

Table 3. REMARK model depicted in Fig. 4b with four oligonucleotides

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ATOM	1165	C4'	C B	19	-24.927	-15.265	4.836	1.00	0.00	C
ATOM	1166	O4'	C B	19	-25.350	-16.633	5.137	1.00	0.00	O
ATOM	1167	C5'	C B	19	-25.561	-14.333	5.843	1.00	0.00	C
ATOM	1168	O5'	C B	19	-26.928	-14.047	5.455	1.00	0.00	O
ATOM	1169	O1P	C B	19	-26.878	-11.590	4.913	1.00	0.00	O
ATOM	1170	O2P	C B	19	-29.008	-12.660	5.695	1.00	0.00	O
ATOM	1171	P	C B	19	-27.528	-12.604	5.767	1.00	0.00	P
ATOM	1172	H5	C B	19	-30.300	-16.498	6.420	1.00	0.00	H
ATOM	1173	H6	C B	19	-28.325	-15.646	5.210	1.00	0.00	H
ATOM	1174	H1'	C B	19	-25.858	-17.896	3.623	1.00	0.00	H
ATOM	1175	H3'	C B	19	-25.508	-14.006	3.163	1.00	0.00	H
ATOM	1176	H4'	C B	19	-23.847	-15.131	4.892	1.00	0.00	H
ATOM	1177	H41	C B	19	-31.399	-18.499	7.247	1.00	0.00	H
ATOM	1178	H42	C B	19	-30.722	-20.134	7.010	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-27.470	-15.328	3.566	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-26.759	-16.209	2.221	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-25.546	-14.804	6.825	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-24.987	-13.408	5.882	1.00	0.00	H
ATOM	1183	C1'	T B	20	-26.128	-20.641	0.758	1.00	0.00	C
ATOM	1184	N1	T B	20	-27.424	-20.260	1.380	1.00	0.00	N
ATOM	1185	C2	T B	20	-28.194	-21.278	1.904	1.00	0.00	C
ATOM	1186	O2	T B	20	-27.852	-22.448	1.873	1.00	0.00	O
ATOM	1187	N3	T B	20	-29.389	-20.880	2.472	1.00	0.00	N
ATOM	1188	C4	T B	20	-29.868	-19.591	2.559	1.00	0.00	C
ATOM	1189	O4	T B	20	-30.960	-19.356	3.092	1.00	0.00	O
ATOM	1190	C5	T B	20	-28.995	-18.597	1.985	1.00	0.00	C
ATOM	1191	C6	T B	20	-27.822	-18.947	1.423	1.00	0.00	C
ATOM	1192	C7	T B	20	-29.477	-17.178	2.058	1.00	0.00	C
ATOM	1193	C2'	T B	20	-25.782	-19.830	-0.485	1.00	0.00	C
ATOM	1194	C3'	T B	20	-24.271	-19.701	-0.369	1.00	0.00	C
ATOM	1195	O3'	T B	20	-23.658	-20.864	-0.921	1.00	0.00	O
ATOM	1196	C4'	T B	20	-24.053	-19.592	1.138	1.00	0.00	C
ATOM	1197	O4'	T B	20	-25.109	-20.425	1.716	1.00	0.00	O
ATOM	1198	C5'	T B	20	-24.150	-18.207	1.733	1.00	0.00	C
ATOM	1199	O5'	T B	20	-25.184	-17.452	1.051	1.00	0.00	O
ATOM	1200	O1P	T B	20	-23.902	-15.627	-0.112	1.00	0.00	O
ATOM	1201	O2P	T B	20	-26.294	-15.256	0.547	1.00	0.00	O
ATOM	1202	P	T B	20	-24.986	-15.883	0.856	1.00	0.00	P
ATOM	1203	H3	T B	20	-29.982	-21.621	2.871	1.00	0.00	H
ATOM	1204	H6	T B	20	-27.179	-18.178	0.996	1.00	0.00	H
ATOM	1205	H1'	T B	20	-26.156	-21.707	0.533	1.00	0.00	H
ATOM	1206	H3'	T B	20	-23.897	-18.818	-0.886	1.00	0.00	H
ATOM	1207	H4'	T B	20	-23.051	-19.972	1.341	1.00	0.00	H
ATOM	1208	H3T	T B	20	-23.932	-21.085	-1.814	1.00	0.00	H
ATOM	1209	H71	T B	20	-29.668	-16.806	1.052	1.00	0.00	H
ATOM	1210	H72	T B	20	-30.397	-17.136	2.643	1.00	0.00	H
ATOM	1211	H73	T B	20	-28.717	-16.559	2.536	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-26.264	-18.854	-0.488	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-26.068	-20.341	-1.404	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-24.390	-18.288	2.793	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-23.192	-17.702	1.620	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-23.475	-82.818	56.909	1.00	0.00	C
ATOM	2	N1	A A	1	-28.362	-81.765	58.066	1.00	0.00	N

ATOM	3	C2	A A	1	-27.702	-81.809	56.913	1.00	0.00	C
ATOM	4	N3	A A	1	-26.436	-82.092	56.684	1.00	0.00	N
ATOM	5	C4	A A	1	-25.801	-82.354	57.840	1.00	0.00	C
ATOM	6	C5	A A	1	-26.331	-82.350	59.100	1.00	0.00	C
ATOM	7	C6	A A	1	-27.702	-82.033	59.203	1.00	0.00	C
ATOM	8	N6	A A	1	-28.359	-81.990	60.375	1.00	0.00	N
ATOM	9	N7	A A	1	-25.373	-82.669	60.046	1.00	0.00	N
ATOM	10	C8	A A	1	-24.294	-82.856	59.345	1.00	0.00	C
ATOM	11	N9	A A	1	-24.477	-82.683	57.999	1.00	0.00	N
ATOM	12	C2'	A A	1	-22.090	-82.307	57.282	1.00	0.00	C
ATOM	13	C3'	A A	1	-21.184	-83.283	56.550	1.00	0.00	C
ATOM	14	O3'	A A	1	-21.016	-82.846	55.203	1.00	0.00	O
ATOM	15	C4'	A A	1	-21.958	-84.598	56.638	1.00	0.00	C
ATOM	16	O4'	A A	1	-23.363	-84.192	56.592	1.00	0.00	O
ATOM	17	C5'	A A	1	-21.734	-85.426	57.881	1.00	0.00	C
ATOM	18	O5'	A A	1	-21.570	-84.554	59.029	1.00	0.00	O
ATOM	19	H2	A A	1	-28.294	-81.579	56.028	1.00	0.00	H
ATOM	20	H8	A A	1	-23.334	-83.125	59.787	1.00	0.00	H
ATOM	21	H1'	A A	1	-23.857	-82.301	56.028	1.00	0.00	H
ATOM	22	H3'	A A	1	-20.206	-83.370	57.026	1.00	0.00	H
ATOM	23	H4'	A A	1	-21.659	-85.198	55.779	1.00	0.00	H
ATOM	24	H61	A A	1	-29.359	-81.754	60.395	1.00	0.00	H
ATOM	25	H62	A A	1	-27.858	-82.194	61.251	1.00	0.00	H
ATOM	26	H5T	A A	1	-20.974	-84.823	59.730	1.00	0.00	H
ATOM	27	H2'1	A A	1	-21.915	-82.334	58.357	1.00	0.00	H
ATOM	28	H2'2	A A	1	-21.922	-81.283	56.947	1.00	0.00	H
ATOM	29	H5'1	A A	1	-22.593	-86.079	58.035	1.00	0.00	H
ATOM	30	H5'2	A A	1	-20.840	-86.033	57.751	1.00	0.00	H
ATOM	31	C1'	G A	2	-25.065	-78.925	54.269	1.00	0.00	C
ATOM	32	N1	G A	2	-28.348	-78.345	58.128	1.00	0.00	N
ATOM	33	C2	G A	2	-28.555	-78.240	56.766	1.00	0.00	C
ATOM	34	N2	G A	2	-29.800	-77.939	56.380	1.00	0.00	N
ATOM	35	N3	G A	2	-27.595	-78.421	55.860	1.00	0.00	N
ATOM	36	C4	G A	2	-26.396	-78.713	56.429	1.00	0.00	C
ATOM	37	C5	G A	2	-26.096	-78.836	57.777	1.00	0.00	C
ATOM	38	C6	G A	2	-27.117	-78.647	58.738	1.00	0.00	C
ATOM	39	O6	G A	2	-27.049	-78.715	59.965	1.00	0.00	O
ATOM	40	N7	G A	2	-24.745	-79.144	57.944	1.00	0.00	N
ATOM	41	C8	G A	2	-24.280	-79.201	56.723	1.00	0.00	C
ATOM	42	N9	G A	2	-25.222	-78.950	55.747	1.00	0.00	N
ATOM	43	C2'	G A	2	-23.743	-78.332	53.801	1.00	0.00	C
ATOM	44	C3'	G A	2	-23.428	-79.178	52.579	1.00	0.00	C
ATOM	45	O3'	G A	2	-24.105	-78.636	51.447	1.00	0.00	O
ATOM	46	C4'	G A	2	-23.968	-80.554	52.970	1.00	0.00	C
ATOM	47	O4'	G A	2	-25.132	-80.260	53.805	1.00	0.00	O
ATOM	48	C5'	G A	2	-23.028	-81.446	53.747	1.00	0.00	C
ATOM	49	O5'	G A	2	-22.234	-80.647	54.658	1.00	0.00	O
ATOM	50	O1P	G A	2	-19.896	-80.891	53.760	1.00	0.00	O
ATOM	51	O2P	G A	2	-20.261	-80.427	56.198	1.00	0.00	O
ATOM	52	P	G A	2	-20.732	-81.092	54.959	1.00	0.00	P
ATOM	53	H1	G A	2	-29.159	-78.189	58.745	1.00	0.00	H
ATOM	54	H8	G A	2	-23.238	-79.427	56.495	1.00	0.00	H
ATOM	55	H1'	G A	2	-25.908	-78.379	53.844	1.00	0.00	H
ATOM	56	H21	G A	2	-30.538	-77.801	57.086	1.00	0.00	H

ATOM	57	H3'	G A	2	-22.358	-79.219	52.374	1.00	0.00	H
ATOM	58	H22	G A	2	-30.018	-77.844	55.378	1.00	0.00	H
ATOM	59	H4'	G A	2	-24.226	-81.067	52.045	1.00	0.00	H
ATOM	60	H2'1	G A	2	-22.961	-78.420	54.557	1.00	0.00	H
ATOM	61	H2'2	G A	2	-23.830	-77.276	53.542	1.00	0.00	H
ATOM	62	H5'1	G A	2	-23.611	-82.176	54.308	1.00	0.00	H
ATOM	63	H5'2	G A	2	-22.375	-81.970	53.049	1.00	0.00	H
ATOM	64	C1'	G A	3	-27.961	-74.996	53.428	1.00	0.00	C
ATOM	65	N1	G A	3	-28.397	-74.941	58.509	1.00	0.00	N
ATOM	66	C2	G A	3	-29.360	-74.758	57.535	1.00	0.00	C
ATOM	67	N2	G A	3	-30.605	-74.527	57.971	1.00	0.00	N
ATOM	68	N3	G A	3	-29.103	-74.801	56.230	1.00	0.00	N
ATOM	69	C4	G A	3	-27.790	-75.039	55.969	1.00	0.00	C
ATOM	70	C5	G A	3	-26.760	-75.231	56.875	1.00	0.00	C
ATOM	71	C6	G A	3	-27.035	-75.189	58.262	1.00	0.00	C
ATOM	72	O6	G A	3	-26.263	-75.336	59.211	1.00	0.00	O
ATOM	73	N7	G A	3	-25.558	-75.445	56.201	1.00	0.00	N
ATOM	74	C8	G A	3	-25.888	-75.381	54.937	1.00	0.00	C
ATOM	75	N9	G A	3	-27.227	-75.136	54.716	1.00	0.00	N
ATOM	76	C2'	G A	3	-27.170	-74.272	52.347	1.00	0.00	C
ATOM	77	C3'	G A	3	-27.607	-75.004	51.089	1.00	0.00	C
ATOM	78	O3'	G A	3	-28.828	-74.439	50.618	1.00	0.00	O
ATOM	79	C4'	G A	3	-27.787	-76.441	51.577	1.00	0.00	C
ATOM	80	O4'	G A	3	-28.255	-76.297	52.956	1.00	0.00	O
ATOM	81	C5'	G A	3	-26.552	-77.310	51.574	1.00	0.00	C
ATOM	82	O5'	G A	3	-25.393	-76.518	51.936	1.00	0.00	O
ATOM	83	O1P	G A	3	-24.009	-76.517	49.833	1.00	0.00	O
ATOM	84	O2P	G A	3	-22.898	-76.253	52.067	1.00	0.00	O
ATOM	85	P	G A	3	-23.987	-76.865	51.267	1.00	0.00	P
ATOM	86	H1	G A	3	-28.702	-74.893	59.494	1.00	0.00	H
ATOM	87	H8	G A	3	-25.169	-75.509	54.128	1.00	0.00	H
ATOM	88	H1'	G A	3	-28.905	-74.489	53.627	1.00	0.00	H
ATOM	89	H21	G A	3	-30.797	-74.497	58.983	1.00	0.00	H
ATOM	90	H3'	G A	3	-26.855	-74.948	50.301	1.00	0.00	H
ATOM	91	H22	G A	3	-31.367	-74.379	57.295	1.00	0.00	H
ATOM	92	H4'	G A	3	-28.524	-76.907	50.924	1.00	0.00	H
ATOM	93	H2'1	G A	3	-26.094	-74.352	52.499	1.00	0.00	H
ATOM	94	H2'2	G A	3	-27.416	-73.211	52.295	1.00	0.00	H
ATOM	95	H5'1	G A	3	-26.683	-78.120	52.291	1.00	0.00	H
ATOM	96	H5'2	G A	3	-26.414	-77.733	50.579	1.00	0.00	H
ATOM	97	C1'	C A	4	-30.893	-71.253	54.817	1.00	0.00	C
ATOM	98	N1	C A	4	-29.546	-71.426	55.429	1.00	0.00	N
ATOM	99	C2	C A	4	-29.459	-71.438	56.819	1.00	0.00	C
ATOM	100	O2	C A	4	-30.494	-71.306	57.484	1.00	0.00	O
ATOM	101	N3	C A	4	-28.242	-71.595	57.395	1.00	0.00	N
ATOM	102	C4	C A	4	-27.140	-71.734	56.648	1.00	0.00	C
ATOM	103	N4	C A	4	-25.977	-71.887	57.264	1.00	0.00	N
ATOM	104	C5	C A	4	-27.201	-71.722	55.217	1.00	0.00	C
ATOM	105	C6	C A	4	-28.435	-71.567	54.658	1.00	0.00	C
ATOM	106	C2'	C A	4	-30.890	-70.394	53.561	1.00	0.00	C
ATOM	107	C3'	C A	4	-31.958	-71.069	52.712	1.00	0.00	C
ATOM	108	O3'	C A	4	-33.239	-70.570	53.088	1.00	0.00	O
ATOM	109	C4'	C A	4	-31.788	-72.545	53.063	1.00	0.00	C
ATOM	110	O4'	C A	4	-31.374	-72.538	54.467	1.00	0.00	O

ATOM	111	C5'	C A	4	-30.761	-73.311	52.262	1.00	0.00	C
ATOM	112	O5'	C A	4	-29.626	-72.456	51.973	1.00	0.00	O
ATOM	113	O1P	C A	4	-29.714	-72.196	49.472	1.00	0.00	O
ATOM	114	O2P	C A	4	-27.521	-72.004	50.676	1.00	0.00	O
ATOM	115	P	C A	4	-28.858	-72.642	50.588	1.00	0.00	P
ATOM	116	H5	C A	4	-26.305	-71.831	54.605	1.00	0.00	H
ATOM	117	H6	C A	4	-28.533	-71.557	53.573	1.00	0.00	H
ATOM	118	H1'	C A	4	-31.559	-70.840	55.572	1.00	0.00	H
ATOM	119	H3'	C A	4	-31.801	-70.896	51.648	1.00	0.00	H
ATOM	120	H4'	C A	4	-32.755	-73.022	52.906	1.00	0.00	H
ATOM	121	H41	C A	4	-25.112	-71.997	56.714	1.00	0.00	H
ATOM	122	H42	C A	4	-25.935	-71.893	58.294	1.00	0.00	H
ATOM	123	H2'1	C A	4	-29.924	-70.398	53.058	1.00	0.00	H
ATOM	124	H2'2	C A	4	-31.147	-69.355	53.770	1.00	0.00	H
ATOM	125	H5'1	C A	4	-30.432	-74.178	52.836	1.00	0.00	H
ATOM	126	H5'2	C A	4	-31.214	-73.649	51.331	1.00	0.00	H
ATOM	127	C1'	C A	5	-32.552	-67.854	58.013	1.00	0.00	C
ATOM	128	N1	C A	5	-31.098	-67.964	57.715	1.00	0.00	N
ATOM	129	C2	C A	5	-30.217	-68.067	58.790	1.00	0.00	C
ATOM	130	O2	C A	5	-30.675	-68.062	59.941	1.00	0.00	O
ATOM	131	N3	C A	5	-28.889	-68.169	58.539	1.00	0.00	N
ATOM	132	C4	C A	5	-28.423	-68.170	57.284	1.00	0.00	C
ATOM	133	N4	C A	5	-27.117	-68.275	57.096	1.00	0.00	N
ATOM	134	C5	C A	5	-29.306	-68.064	56.160	1.00	0.00	C
ATOM	135	C6	C A	5	-30.638	-67.966	56.436	1.00	0.00	C
ATOM	136	C2'	C A	5	-33.300	-66.912	57.081	1.00	0.00	C
ATOM	137	C3'	C A	5	-34.646	-67.607	56.941	1.00	0.00	C
ATOM	138	O3'	C A	5	-35.480	-67.235	58.036	1.00	0.00	O
ATOM	139	C4'	C A	5	-34.270	-69.086	56.978	1.00	0.00	C
ATOM	140	O4'	C A	5	-33.118	-69.145	57.878	1.00	0.00	O
ATOM	141	C5'	C A	5	-33.885	-69.713	55.658	1.00	0.00	C
ATOM	142	O5'	C A	5	-33.148	-68.755	54.856	1.00	0.00	O
ATOM	143	O1P	C A	5	-34.681	-68.329	52.906	1.00	0.00	O
ATOM	144	O2P	C A	5	-32.202	-68.052	52.637	1.00	0.00	O
ATOM	145	P	C A	5	-33.326	-68.784	53.272	1.00	0.00	P
ATOM	146	H5	C A	5	-28.931	-68.059	55.136	1.00	0.00	H
ATOM	147	H6	C A	5	-31.350	-67.887	55.613	1.00	0.00	H
ATOM	148	H1'	C A	5	-32.663	-67.547	59.053	1.00	0.00	H
ATOM	149	H3'	C A	5	-35.143	-67.349	56.006	1.00	0.00	H
ATOM	150	H4'	C A	5	-35.138	-69.624	57.360	1.00	0.00	H
ATOM	151	H41	C A	5	-26.732	-68.280	56.141	1.00	0.00	H
ATOM	152	H42	C A	5	-26.484	-68.350	57.907	1.00	0.00	H
ATOM	153	H2'1	C A	5	-32.807	-66.806	56.116	1.00	0.00	H
ATOM	154	H2'2	C A	5	-33.410	-65.913	57.505	1.00	0.00	H
ATOM	155	H5'1	C A	5	-33.264	-70.590	55.846	1.00	0.00	H
ATOM	156	H5'2	C A	5	-34.787	-70.020	55.131	1.00	0.00	H
ATOM	157	C1'	G A	6	-32.116	-64.825	61.907	1.00	0.00	C
ATOM	158	N1	G A	6	-27.141	-65.038	60.799	1.00	0.00	N
ATOM	159	C2	G A	6	-27.781	-65.090	62.026	1.00	0.00	C
ATOM	160	N2	G A	6	-26.991	-65.213	63.098	1.00	0.00	N
ATOM	161	N3	G A	6	-29.104	-65.025	62.167	1.00	0.00	N
ATOM	162	C4	G A	6	-29.745	-64.894	60.977	1.00	0.00	C
ATOM	163	C5	G A	6	-29.191	-64.829	59.710	1.00	0.00	C
ATOM	164	C6	G A	6	-27.789	-64.902	59.557	1.00	0.00	C

ATOM	165	O6	G A	6	-27.116	-64.862	58.526	1.00	0.00	O
ATOM	166	N7	G A	6	-30.196	-64.693	58.750	1.00	0.00	N
ATOM	167	C8	G A	6	-31.302	-64.683	59.449	1.00	0.00	C
ATOM	168	N9	G A	6	-31.110	-64.800	60.810	1.00	0.00	N
ATOM	169	C2'	G A	6	-33.292	-63.884	61.681	1.00	0.00	C
ATOM	170	C3'	G A	6	-34.447	-64.670	62.280	1.00	0.00	C
ATOM	171	O3'	G A	6	-34.493	-64.439	63.686	1.00	0.00	O
ATOM	172	C4'	G A	6	-34.085	-66.115	61.943	1.00	0.00	C
ATOM	173	O4'	G A	6	-32.624	-66.142	61.997	1.00	0.00	O
ATOM	174	C5'	G A	6	-34.528	-66.621	60.591	1.00	0.00	C
ATOM	175	O5'	G A	6	-34.425	-65.557	59.611	1.00	0.00	O
ATOM	176	O1P	G A	6	-36.819	-65.124	58.966	1.00	0.00	O
ATOM	177	O2P	G A	6	-34.974	-64.637	57.338	1.00	0.00	O
ATOM	178	P	G A	6	-35.495	-65.495	58.430	1.00	0.00	P
ATOM	179	H1	G A	6	-26.111	-65.104	60.798	1.00	0.00	H
ATOM	180	H8	G A	6	-32.290	-64.589	58.997	1.00	0.00	H
ATOM	181	H1'	G A	6	-31.607	-64.596	62.843	1.00	0.00	H
ATOM	182	H21	G A	6	-25.969	-65.267	62.981	1.00	0.00	H
ATOM	183	H3'	G A	6	-35.404	-64.391	61.838	1.00	0.00	H
ATOM	184	H22	G A	6	-27.405	-65.255	64.041	1.00	0.00	H
ATOM	185	H4'	G A	6	-34.550	-66.743	62.702	1.00	0.00	H
ATOM	186	H2'1	G A	6	-33.459	-63.676	60.624	1.00	0.00	H
ATOM	187	H2'2	G A	6	-33.159	-62.926	62.186	1.00	0.00	H
ATOM	188	H5'1	G A	6	-33.896	-67.457	60.295	1.00	0.00	H
ATOM	189	H5'2	G A	6	-35.562	-66.962	60.657	1.00	0.00	H
ATOM	190	C1'	C A	7	-29.567	-62.048	65.119	1.00	0.00	C
ATOM	191	N1	C A	7	-29.380	-61.871	63.653	1.00	0.00	N
ATOM	192	C2	C A	7	-28.080	-61.900	63.153	1.00	0.00	C
ATOM	193	O2	C A	7	-27.141	-62.070	63.939	1.00	0.00	O
ATOM	194	N3	C A	7	-27.889	-61.740	61.820	1.00	0.00	N
ATOM	195	C4	C A	7	-28.926	-61.557	60.993	1.00	0.00	C
ATOM	196	N4	C A	7	-28.682	-61.409	59.699	1.00	0.00	N
ATOM	197	C5	C A	7	-30.274	-61.518	61.480	1.00	0.00	C
ATOM	198	C6	C A	7	-30.444	-61.686	62.825	1.00	0.00	C
ATOM	199	C2'	C A	7	-30.673	-61.184	65.706	1.00	0.00	C
ATOM	200	C3'	C A	7	-31.254	-62.096	66.777	1.00	0.00	C
ATOM	201	O3'	C A	7	-30.481	-61.970	67.969	1.00	0.00	O
ATOM	202	C4'	C A	7	-31.125	-63.481	66.149	1.00	0.00	C
ATOM	203	O4'	C A	7	-29.902	-63.404	65.349	1.00	0.00	O
ATOM	204	C5'	C A	7	-32.260	-63.920	65.252	1.00	0.00	C
ATOM	205	O5'	C A	7	-32.763	-62.784	64.506	1.00	0.00	O
ATOM	206	O1P	C A	7	-35.097	-62.485	65.401	1.00	0.00	O
ATOM	207	O2P	C A	7	-34.542	-61.746	63.068	1.00	0.00	O
ATOM	208	P	C A	7	-34.319	-62.716	64.167	1.00	0.00	P
ATOM	209	H5	C A	7	-31.122	-61.363	60.811	1.00	0.00	H
ATOM	210	H6	C A	7	-31.451	-61.673	63.242	1.00	0.00	H
ATOM	211	H1'	C A	7	-28.614	-61.851	65.610	1.00	0.00	H
ATOM	212	H3'	C A	7	-32.295	-61.856	66.994	1.00	0.00	H
ATOM	213	H4'	C A	7	-31.054	-64.195	66.969	1.00	0.00	H
ATOM	214	H41	C A	7	-29.462	-61.269	59.040	1.00	0.00	H
ATOM	215	H42	C A	7	-27.713	-61.434	59.350	1.00	0.00	H
ATOM	216	H2'1	C A	7	-31.425	-60.914	64.966	1.00	0.00	H
ATOM	217	H2'2	C A	7	-30.290	-60.258	66.138	1.00	0.00	H
ATOM	218	H5'1	C A	7	-31.898	-64.683	64.562	1.00	0.00	H

ATOM	219	H5'2	C A	7	-33.057	-64.340	65.865	1.00	0.00	H
ATOM	220	C1'	A A	8	-25.696	-59.316	66.555	1.00	0.00	C
ATOM	221	N1	A A	8	-25.106	-58.539	61.516	1.00	0.00	N
ATOM	222	C2	A A	8	-24.242	-58.797	62.492	1.00	0.00	C
ATOM	223	N3	A A	8	-24.461	-58.991	63.776	1.00	0.00	N
ATOM	224	C4	A A	8	-25.777	-58.888	64.042	1.00	0.00	C
ATOM	225	C5	A A	8	-26.787	-58.629	63.159	1.00	0.00	C
ATOM	226	C6	A A	8	-26.411	-58.445	61.812	1.00	0.00	C
ATOM	227	N6	A A	8	-27.294	-58.183	60.833	1.00	0.00	N
ATOM	228	N7	A A	8	-28.015	-58.600	63.798	1.00	0.00	N
ATOM	229	C8	A A	8	-27.723	-58.836	65.044	1.00	0.00	C
ATOM	230	N9	A A	8	-26.383	-59.024	65.267	1.00	0.00	N
ATOM	231	C2'	A A	8	-26.293	-58.583	67.749	1.00	0.00	C
ATOM	232	C3'	A A	8	-26.136	-59.608	68.861	1.00	0.00	C
ATOM	233	O3'	A A	8	-24.825	-59.503	69.410	1.00	0.00	O
ATOM	234	C4'	A A	8	-26.352	-60.935	68.134	1.00	0.00	C
ATOM	235	O4'	A A	8	-25.805	-60.706	66.795	1.00	0.00	O
ATOM	236	C5'	A A	8	-27.782	-61.400	68.000	1.00	0.00	C
ATOM	237	O5'	A A	8	-28.652	-60.259	67.785	1.00	0.00	O
ATOM	238	O1P	A A	8	-30.065	-60.206	69.869	1.00	0.00	O
ATOM	239	O2P	A A	8	-30.960	-59.269	67.719	1.00	0.00	O
ATOM	240	P	A A	8	-30.125	-60.292	68.396	1.00	0.00	P
ATOM	241	H2	A A	8	-23.198	-58.858	62.186	1.00	0.00	H
ATOM	242	H8	A A	8	-28.471	-58.881	65.835	1.00	0.00	H
ATOM	243	H1'	A A	8	-24.639	-59.078	66.438	1.00	0.00	H
ATOM	244	H3'	A A	8	-26.872	-59.469	69.652	1.00	0.00	H
ATOM	245	H4'	A A	8	-25.806	-61.694	68.693	1.00	0.00	H
ATOM	246	H61	A A	8	-26.968	-58.060	59.865	1.00	0.00	H
ATOM	247	H62	A A	8	-28.298	-58.107	61.054	1.00	0.00	H
ATOM	248	H2'1	A A	8	-27.340	-58.324	67.594	1.00	0.00	H
ATOM	249	H2'2	A A	8	-25.757	-57.663	67.978	1.00	0.00	H
ATOM	250	H5'1	A A	8	-27.857	-62.083	67.153	1.00	0.00	H
ATOM	251	H5'2	A A	8	-28.077	-61.922	68.909	1.00	0.00	H
ATOM	252	C1'	C A	9	-21.771	-56.393	65.716	1.00	0.00	C
ATOM	253	N1	C A	9	-23.094	-56.067	65.117	1.00	0.00	N
ATOM	254	C2	C A	9	-23.148	-55.821	63.746	1.00	0.00	C
ATOM	255	O2	C A	9	-22.102	-55.882	63.088	1.00	0.00	O
ATOM	256	N3	C A	9	-24.343	-55.523	63.182	1.00	0.00	N
ATOM	257	C4	C A	9	-25.458	-55.463	63.922	1.00	0.00	C
ATOM	258	N4	C A	9	-26.601	-55.170	63.318	1.00	0.00	N
ATOM	259	C5	C A	9	-25.433	-55.707	65.335	1.00	0.00	C
ATOM	260	C6	C A	9	-24.218	-56.010	65.881	1.00	0.00	C
ATOM	261	C2'	C A	9	-21.558	-55.791	67.097	1.00	0.00	C
ATOM	262	C3'	C A	9	-20.750	-56.876	67.795	1.00	0.00	C
ATOM	263	O3'	C A	9	-19.370	-56.710	67.476	1.00	0.00	O
ATOM	264	C4'	C A	9	-21.328	-58.161	67.206	1.00	0.00	C
ATOM	265	O4'	C A	9	-21.687	-57.801	65.834	1.00	0.00	O
ATOM	266	C5'	C A	9	-22.550	-58.723	67.893	1.00	0.00	C
ATOM	267	O5'	C A	9	-23.399	-57.639	68.349	1.00	0.00	O
ATOM	268	O1P	C A	9	-23.303	-57.837	70.855	1.00	0.00	O
ATOM	269	O2P	C A	9	-25.317	-56.825	69.754	1.00	0.00	O
ATOM	270	P	C A	9	-24.223	-57.825	69.702	1.00	0.00	P
ATOM	271	H5	C A	9	-26.337	-55.653	65.942	1.00	0.00	H
ATOM	272	H6	C A	9	-24.149	-56.212	66.950	1.00	0.00	H

ATOM	273	H1'	C A	9	-20.995	-56.067	65.024	1.00	0.00	H
ATOM	274	H3'	C A	9	-20.877	-56.846	68.877	1.00	0.00	H
ATOM	275	H4'	C A	9	-20.542	-58.914	67.257	1.00	0.00	H
ATOM	276	H41	C A	9	-27.474	-55.119	63.863	1.00	0.00	H
ATOM	277	H42	C A	9	-26.616	-54.992	62.303	1.00	0.00	H
ATOM	278	H2'1	C A	9	-22.496	-55.602	67.616	1.00	0.00	H
ATOM	279	H2'2	C A	9	-21.008	-54.849	67.059	1.00	0.00	H
ATOM	280	H5'1	C A	9	-23.100	-59.351	67.191	1.00	0.00	H
ATOM	281	H5'2	C A	9	-22.237	-59.327	68.743	1.00	0.00	H
ATOM	282	C1'	C A	10	-19.128	-53.128	63.092	1.00	0.00	C
ATOM	283	N1	C A	10	-20.559	-52.865	63.404	1.00	0.00	N
ATOM	284	C2	C A	10	-21.405	-52.529	62.349	1.00	0.00	C
ATOM	285	O2	C A	10	-20.938	-52.463	61.204	1.00	0.00	O
ATOM	286	N3	C A	10	-22.713	-52.286	62.611	1.00	0.00	N
ATOM	287	C4	C A	10	-23.191	-52.363	63.860	1.00	0.00	C
ATOM	288	N4	C A	10	-24.478	-52.118	64.060	1.00	0.00	N
ATOM	289	C5	C A	10	-22.343	-52.702	64.965	1.00	0.00	C
ATOM	290	C6	C A	10	-21.030	-52.948	64.676	1.00	0.00	C
ATOM	291	C2'	C A	10	-18.164	-52.610	64.150	1.00	0.00	C
ATOM	292	C3'	C A	10	-17.078	-53.675	64.138	1.00	0.00	C
ATOM	293	O3'	C A	10	-16.146	-53.381	63.101	1.00	0.00	O
ATOM	294	C4'	C A	10	-17.862	-54.956	63.864	1.00	0.00	C
ATOM	295	O4'	C A	10	-18.959	-54.531	62.996	1.00	0.00	O
ATOM	296	C5'	C A	10	-18.444	-55.658	65.070	1.00	0.00	C
ATOM	297	O5'	C A	10	-18.893	-54.676	66.039	1.00	0.00	O
ATOM	298	O1P	C A	10	-17.351	-55.041	67.994	1.00	0.00	O
ATOM	299	O2P	C A	10	-19.652	-54.113	68.366	1.00	0.00	O
ATOM	300	P	C A	10	-18.771	-55.020	67.591	1.00	0.00	P
ATOM	301	H5	C A	10	-22.725	-52.761	65.985	1.00	0.00	H
ATOM	302	H6	C A	10	-20.348	-53.218	65.483	1.00	0.00	H
ATOM	303	H1'	C A	10	-18.906	-52.697	62.116	1.00	0.00	H
ATOM	304	H3'	C A	10	-16.551	-53.730	65.091	1.00	0.00	H
ATOM	305	H4'	C A	10	-17.175	-55.649	63.377	1.00	0.00	H
ATOM	306	H41	C A	10	-24.871	-52.173	65.010	1.00	0.00	H
ATOM	307	H42	C A	10	-25.084	-51.872	63.264	1.00	0.00	H
ATOM	308	H2'1	C A	10	-18.630	-52.530	65.132	1.00	0.00	H
ATOM	309	H2'2	C A	10	-17.761	-51.628	63.897	1.00	0.00	H
ATOM	310	H5'1	C A	10	-19.286	-56.275	64.753	1.00	0.00	H
ATOM	311	H5'2	C A	10	-17.681	-56.294	65.516	1.00	0.00	H
ATOM	312	C1'	T A	11	-18.556	-49.500	59.774	1.00	0.00	C
ATOM	313	N1	T A	11	-19.559	-49.364	60.863	1.00	0.00	N
ATOM	314	C2	T A	11	-20.845	-49.022	60.495	1.00	0.00	C
ATOM	315	O2	T A	11	-21.173	-48.833	59.337	1.00	0.00	O
ATOM	316	N3	T A	11	-21.746	-48.906	61.538	1.00	0.00	N
ATOM	317	C4	T A	11	-21.478	-49.095	62.879	1.00	0.00	C
ATOM	318	O4	T A	11	-22.370	-48.960	63.727	1.00	0.00	O
ATOM	319	C5	T A	11	-20.108	-49.449	63.165	1.00	0.00	C
ATOM	320	C6	T A	11	-19.205	-49.571	62.173	1.00	0.00	C
ATOM	321	C7	T A	11	-19.774	-49.667	64.610	1.00	0.00	C
ATOM	322	C2'	T A	11	-17.171	-48.987	60.147	1.00	0.00	C
ATOM	323	C3'	T A	11	-16.263	-49.966	59.419	1.00	0.00	C
ATOM	324	O3'	T A	11	-16.093	-49.534	58.070	1.00	0.00	O
ATOM	325	C4'	T A	11	-17.036	-51.279	59.512	1.00	0.00	C
ATOM	326	O4'	T A	11	-18.441	-50.875	59.461	1.00	0.00	O

ATOM	327	C5'	T A	11	-16.814	-52.104	60.759	1.00	0.00	C
ATOM	328	O5'	T A	11	-16.652	-51.228	61.902	1.00	0.00	O
ATOM	329	O1P	T A	11	-14.264	-51.612	62.597	1.00	0.00	O
ATOM	330	O2P	T A	11	-15.962	-50.883	64.294	1.00	0.00	O
ATOM	331	P	T A	11	-15.660	-51.666	63.071	1.00	0.00	P
ATOM	332	H3	T A	11	-22.713	-48.656	61.291	1.00	0.00	H
ATOM	333	H6	T A	11	-18.175	-49.840	62.413	1.00	0.00	H
ATOM	334	H1'	T A	11	-18.937	-48.987	58.891	1.00	0.00	H
ATOM	335	H3'	T A	11	-15.287	-50.048	59.896	1.00	0.00	H
ATOM	336	H4'	T A	11	-16.736	-51.885	58.655	1.00	0.00	H
ATOM	337	H71	T A	11	-19.075	-48.898	64.941	1.00	0.00	H
ATOM	338	H72	T A	11	-20.685	-49.609	65.207	1.00	0.00	H
ATOM	339	H73	T A	11	-19.320	-50.649	64.736	1.00	0.00	H
ATOM	340	H2'1	T A	11	-16.998	-49.010	61.221	1.00	0.00	H
ATOM	341	H2'2	T A	11	-17.004	-47.963	59.809	1.00	0.00	H
ATOM	342	H5'1	T A	11	-17.672	-52.757	60.914	1.00	0.00	H
ATOM	343	H5'2	T A	11	-15.918	-52.711	60.630	1.00	0.00	H
ATOM	344	C1'	A A	12	-20.126	-45.611	57.119	1.00	0.00	C
ATOM	345	N1	A A	12	-23.450	-45.023	60.986	1.00	0.00	N
ATOM	346	C2	A A	12	-23.581	-44.936	59.666	1.00	0.00	C
ATOM	347	N3	A A	12	-22.679	-45.103	58.721	1.00	0.00	N
ATOM	348	C4	A A	12	-21.485	-45.395	59.266	1.00	0.00	C
ATOM	349	C5	A A	12	-21.183	-45.520	60.592	1.00	0.00	C
ATOM	350	C6	A A	12	-22.245	-45.317	61.499	1.00	0.00	C
ATOM	351	N6	A A	12	-22.098	-45.407	62.832	1.00	0.00	N
ATOM	352	N7	A A	12	-19.847	-45.830	60.774	1.00	0.00	N
ATOM	353	C8	A A	12	-19.371	-45.882	59.565	1.00	0.00	C
ATOM	354	N9	A A	12	-20.309	-45.631	58.596	1.00	0.00	N
ATOM	355	C2'	A A	12	-18.794	-45.022	56.676	1.00	0.00	C
ATOM	356	C3'	A A	12	-18.460	-45.873	55.460	1.00	0.00	C
ATOM	357	O3'	A A	12	-19.117	-45.332	54.316	1.00	0.00	O
ATOM	358	C4'	A A	12	-19.009	-47.246	55.845	1.00	0.00	C
ATOM	359	O4'	A A	12	-20.187	-46.948	56.660	1.00	0.00	O
ATOM	360	C5'	A A	12	-18.085	-48.139	56.638	1.00	0.00	C
ATOM	361	O5'	A A	12	-17.304	-47.339	57.563	1.00	0.00	O
ATOM	362	O1P	A A	12	-14.951	-47.590	56.705	1.00	0.00	O
ATOM	363	O2P	A A	12	-15.357	-47.119	59.136	1.00	0.00	O
ATOM	364	P	A A	12	-15.809	-47.786	57.890	1.00	0.00	P
ATOM	365	H2	A A	12	-24.583	-44.691	59.314	1.00	0.00	H
ATOM	366	H8	A A	12	-18.328	-46.104	59.341	1.00	0.00	H
ATOM	367	H1'	A A	12	-20.959	-45.066	56.680	1.00	0.00	H
ATOM	368	H3'	A A	12	-17.388	-45.917	55.273	1.00	0.00	H
ATOM	369	H4'	A A	12	-19.252	-47.760	54.915	1.00	0.00	H
ATOM	370	H61	A A	12	-22.907	-45.252	63.450	1.00	0.00	H
ATOM	371	H62	A A	12	-21.176	-45.630	63.234	1.00	0.00	H
ATOM	372	H2'1	A A	12	-18.025	-45.110	57.443	1.00	0.00	H
ATOM	373	H2'2	A A	12	-18.875	-43.968	56.412	1.00	0.00	H
ATOM	374	H5'1	A A	12	-18.679	-48.866	57.192	1.00	0.00	H
ATOM	375	H5'2	A A	12	-17.420	-48.665	55.955	1.00	0.00	H
ATOM	376	C1'	G A	13	-23.041	-41.679	56.293	1.00	0.00	C
ATOM	377	N1	G A	13	-23.478	-41.625	61.375	1.00	0.00	N
ATOM	378	C2	G A	13	-24.441	-41.441	60.400	1.00	0.00	C
ATOM	379	N2	G A	13	-25.687	-41.208	60.835	1.00	0.00	N
ATOM	380	N3	G A	13	-24.183	-41.484	59.094	1.00	0.00	N

ATOM	381	C4	G A	13	-22.871	-41.722	58.834	1.00	0.00	C
ATOM	382	C5	G A	13	-21.841	-41.914	59.741	1.00	0.00	C
ATOM	383	C6	G A	13	-22.115	-41.872	61.127	1.00	0.00	C
ATOM	384	O6	G A	13	-21.343	-42.017	62.075	1.00	0.00	O
ATOM	385	N7	G A	13	-20.638	-42.128	59.066	1.00	0.00	N
ATOM	386	C8	G A	13	-20.968	-42.064	57.802	1.00	0.00	C
ATOM	387	N9	G A	13	-22.308	-41.819	57.581	1.00	0.00	N
ATOM	388	C2'	G A	13	-22.251	-40.955	55.212	1.00	0.00	C
ATOM	389	C3'	G A	13	-22.687	-41.687	53.954	1.00	0.00	C
ATOM	390	O3'	G A	13	-23.908	-41.121	53.483	1.00	0.00	O
ATOM	391	C4'	G A	13	-22.868	-43.124	54.442	1.00	0.00	C
ATOM	392	O4'	G A	13	-23.336	-42.980	55.821	1.00	0.00	O
ATOM	393	C5'	G A	13	-21.632	-43.993	54.440	1.00	0.00	C
ATOM	394	O5'	G A	13	-20.474	-43.201	54.801	1.00	0.00	O
ATOM	395	O1P	G A	13	-19.090	-43.200	52.698	1.00	0.00	O
ATOM	396	O2P	G A	13	-17.979	-42.936	54.932	1.00	0.00	O
ATOM	397	P	G A	13	-19.068	-43.548	54.132	1.00	0.00	P
ATOM	398	H1	G A	13	-23.784	-41.579	62.360	1.00	0.00	H
ATOM	399	H8	G A	13	-20.249	-42.192	56.993	1.00	0.00	H
ATOM	400	H1'	G A	13	-23.986	-41.172	56.492	1.00	0.00	H
ATOM	401	H21	G A	13	-25.879	-41.180	61.848	1.00	0.00	H
ATOM	402	H3'	G A	13	-21.936	-41.631	53.166	1.00	0.00	H
ATOM	403	H22	G A	13	-26.448	-41.060	60.160	1.00	0.00	H
ATOM	404	H4'	G A	13	-23.605	-43.590	53.789	1.00	0.00	H
ATOM	405	H2'1	G A	13	-21.174	-41.035	55.364	1.00	0.00	H
ATOM	406	H2'2	G A	13	-22.496	-39.894	55.160	1.00	0.00	H
ATOM	407	H5'1	G A	13	-21.764	-44.803	55.156	1.00	0.00	H
ATOM	408	H5'2	G A	13	-21.495	-44.416	53.444	1.00	0.00	H
ATOM	409	C1'	G A	14	-25.973	-37.936	57.682	1.00	0.00	C
ATOM	410	N1	G A	14	-23.372	-38.271	62.058	1.00	0.00	N
ATOM	411	C2	G A	14	-24.727	-38.094	61.842	1.00	0.00	C
ATOM	412	N2	G A	14	-25.491	-37.989	62.936	1.00	0.00	N
ATOM	413	N3	G A	14	-25.276	-38.026	60.630	1.00	0.00	N
ATOM	414	C4	G A	14	-24.354	-38.143	59.639	1.00	0.00	C
ATOM	415	C5	G A	14	-22.986	-38.318	59.761	1.00	0.00	C
ATOM	416	C6	G A	14	-22.403	-38.394	61.045	1.00	0.00	C
ATOM	417	O6	G A	14	-21.221	-38.544	61.354	1.00	0.00	O
ATOM	418	N7	G A	14	-22.396	-38.390	58.495	1.00	0.00	N
ATOM	419	C8	G A	14	-23.401	-38.264	57.669	1.00	0.00	C
ATOM	420	N9	G A	14	-24.624	-38.109	58.288	1.00	0.00	N
ATOM	421	C2'	G A	14	-25.974	-37.080	56.423	1.00	0.00	C
ATOM	422	C3'	G A	14	-27.045	-37.755	55.581	1.00	0.00	C
ATOM	423	O3'	G A	14	-28.325	-37.253	55.961	1.00	0.00	O
ATOM	424	C4'	G A	14	-26.875	-39.232	55.936	1.00	0.00	C
ATOM	425	O4'	G A	14	-26.457	-39.220	57.337	1.00	0.00	O
ATOM	426	C5'	G A	14	-25.853	-40.000	55.132	1.00	0.00	C
ATOM	427	O5'	G A	14	-24.719	-39.148	54.837	1.00	0.00	O
ATOM	428	O1P	G A	14	-24.817	-38.894	52.335	1.00	0.00	O
ATOM	429	O2P	G A	14	-22.619	-38.701	53.530	1.00	0.00	O
ATOM	430	P	G A	14	-23.957	-39.338	53.449	1.00	0.00	P
ATOM	431	H1	G A	14	-23.049	-38.316	63.037	1.00	0.00	H
ATOM	432	H8	G A	14	-23.284	-38.280	56.585	1.00	0.00	H
ATOM	433	H1'	G A	14	-26.636	-37.519	58.439	1.00	0.00	H
ATOM	434	H21	G A	14	-25.060	-38.046	63.871	1.00	0.00	H

ATOM	435	H3'	G	A	14	-26.893	-37.586	54.515	1.00	0.00	H
ATOM	436	H22	G	A	14	-26.507	-37.853	62.844	1.00	0.00	H
ATOM	437	H4'	G	A	14	-27.844	-39.707	55.785	1.00	0.00	H
ATOM	438	H2'1	G	A	14	-25.009	-37.087	55.917	1.00	0.00	H
ATOM	439	H2'2	G	A	14	-26.228	-36.040	56.631	1.00	0.00	H
ATOM	440	H5'1	G	A	14	-25.524	-40.866	55.707	1.00	0.00	H
ATOM	441	H5'2	G	A	14	-26.311	-40.341	54.203	1.00	0.00	H
ATOM	442	C1'	A	A	15	-27.650	-34.535	60.863	1.00	0.00	C
ATOM	443	N1	A	A	15	-22.965	-34.973	62.913	1.00	0.00	N
ATOM	444	C2	A	A	15	-24.178	-34.886	63.452	1.00	0.00	C
ATOM	445	N3	A	A	15	-25.351	-34.778	62.863	1.00	0.00	N
ATOM	446	C4	A	A	15	-25.198	-34.755	61.526	1.00	0.00	C
ATOM	447	C5	A	A	15	-24.032	-34.832	60.819	1.00	0.00	C
ATOM	448	C6	A	A	15	-22.846	-34.948	61.576	1.00	0.00	C
ATOM	449	N6	A	A	15	-21.626	-35.033	61.019	1.00	0.00	N
ATOM	450	N7	A	A	15	-24.267	-34.777	59.457	1.00	0.00	N
ATOM	451	C8	A	A	15	-25.560	-34.665	59.369	1.00	0.00	C
ATOM	452	N9	A	A	15	-26.194	-34.646	60.586	1.00	0.00	N
ATOM	453	C2'	A	A	15	-28.386	-33.597	59.915	1.00	0.00	C
ATOM	454	C3'	A	A	15	-29.731	-34.292	59.762	1.00	0.00	C
ATOM	455	O3'	A	A	15	-30.577	-33.914	60.843	1.00	0.00	O
ATOM	456	C4'	A	A	15	-29.356	-35.773	59.811	1.00	0.00	C
ATOM	457	O4'	A	A	15	-28.215	-35.825	60.727	1.00	0.00	O
ATOM	458	C5'	A	A	15	-28.954	-36.407	58.502	1.00	0.00	C
ATOM	459	O5'	A	A	15	-28.207	-35.455	57.703	1.00	0.00	O
ATOM	460	O1P	A	A	15	-29.714	-35.039	55.731	1.00	0.00	O
ATOM	461	O2P	A	A	15	-27.230	-34.765	55.492	1.00	0.00	O
ATOM	462	P	A	A	15	-28.363	-35.493	56.116	1.00	0.00	P
ATOM	463	H2	A	A	15	-24.205	-34.909	64.542	1.00	0.00	H
ATOM	464	H8	A	A	15	-26.091	-34.592	58.420	1.00	0.00	H
ATOM	465	H1'	A	A	15	-27.776	-34.221	61.899	1.00	0.00	H
ATOM	466	H3'	A	A	15	-30.215	-34.041	58.818	1.00	0.00	H
ATOM	467	H4'	A	A	15	-30.228	-36.306	60.187	1.00	0.00	H
ATOM	468	H61	A	A	15	-20.793	-35.120	61.618	1.00	0.00	H
ATOM	469	H62	A	A	15	-21.526	-35.013	59.994	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-27.879	-33.499	58.956	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-28.502	-32.597	60.331	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-28.337	-37.283	58.703	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-29.849	-36.716	57.964	1.00	0.00	H
ATOM	474	C1'	C	A	16	-27.197	-31.507	64.773	1.00	0.00	C
ATOM	475	N1	C	A	16	-26.186	-31.484	63.681	1.00	0.00	N
ATOM	476	C2	C	A	16	-24.842	-31.593	64.032	1.00	0.00	C
ATOM	477	O2	C	A	16	-24.546	-31.703	65.229	1.00	0.00	O
ATOM	478	N3	C	A	16	-23.906	-31.573	63.053	1.00	0.00	N
ATOM	479	C4	C	A	16	-24.258	-31.452	61.767	1.00	0.00	C
ATOM	480	N4	C	A	16	-23.301	-31.442	60.850	1.00	0.00	N
ATOM	481	C5	C	A	16	-25.632	-31.334	61.375	1.00	0.00	C
ATOM	482	C6	C	A	16	-26.559	-31.360	62.378	1.00	0.00	C
ATOM	483	C2'	C	A	16	-28.369	-30.563	64.545	1.00	0.00	C
ATOM	484	C3'	C	A	16	-29.529	-31.349	65.138	1.00	0.00	C
ATOM	485	O3'	C	A	16	-29.580	-31.119	66.544	1.00	0.00	O
ATOM	486	C4'	C	A	16	-29.168	-32.793	64.800	1.00	0.00	C
ATOM	487	O4'	C	A	16	-27.707	-32.825	64.858	1.00	0.00	O
ATOM	488	C5'	C	A	16	-29.609	-33.295	63.444	1.00	0.00	C

ATOM	489	O5'	C	A	16	-29.499	-32.229	62.467	1.00	0.00	O
ATOM	490	O1P	C	A	16	-31.890	-31.789	61.814	1.00	0.00	O
ATOM	491	O2P	C	A	16	-30.037	-31.303	60.194	1.00	0.00	O
ATOM	492	P	C	A	16	-30.564	-32.162	61.282	1.00	0.00	P
ATOM	493	H5	C	A	16	-25.923	-31.227	60.328	1.00	0.00	H
ATOM	494	H6	C	A	16	-27.618	-31.282	62.129	1.00	0.00	H
ATOM	495	H1'	C	A	16	-26.690	-31.283	65.712	1.00	0.00	H
ATOM	496	H3'	C	A	16	-30.483	-31.065	64.691	1.00	0.00	H
ATOM	497	H4'	C	A	16	-29.640	-33.421	65.555	1.00	0.00	H
ATOM	498	H41	C	A	16	-23.545	-31.352	59.852	1.00	0.00	H
ATOM	499	H42	C	A	16	-22.314	-31.524	61.133	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-28.532	-30.353	63.488	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-28.235	-29.607	65.053	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-28.975	-34.133	63.150	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-30.643	-33.633	63.506	1.00	0.00	H
ATOM	504	C1'	G	A	17	-24.647	-28.731	67.983	1.00	0.00	C
ATOM	505	N1	G	A	17	-21.240	-28.482	64.194	1.00	0.00	N
ATOM	506	C2	G	A	17	-21.047	-28.669	65.551	1.00	0.00	C
ATOM	507	N2	G	A	17	-19.777	-28.805	65.952	1.00	0.00	N
ATOM	508	N3	G	A	17	-22.040	-28.716	66.437	1.00	0.00	N
ATOM	509	C4	G	A	17	-23.258	-28.552	65.856	1.00	0.00	C
ATOM	510	C5	G	A	17	-23.547	-28.357	64.516	1.00	0.00	C
ATOM	511	C6	G	A	17	-22.494	-28.311	63.573	1.00	0.00	C
ATOM	512	O6	G	A	17	-22.547	-28.147	62.354	1.00	0.00	O
ATOM	513	N7	G	A	17	-24.926	-28.232	64.331	1.00	0.00	N
ATOM	514	C8	G	A	17	-25.418	-28.356	65.537	1.00	0.00	C
ATOM	515	N9	G	A	17	-24.467	-28.553	66.518	1.00	0.00	N
ATOM	516	C2'	G	A	17	-25.755	-27.871	68.575	1.00	0.00	C
ATOM	517	C3'	G	A	17	-26.329	-28.783	69.646	1.00	0.00	C
ATOM	518	O3'	G	A	17	-25.553	-28.655	70.836	1.00	0.00	O
ATOM	519	C4'	G	A	17	-26.197	-30.170	69.017	1.00	0.00	C
ATOM	520	O4'	G	A	17	-24.977	-30.087	68.216	1.00	0.00	O
ATOM	521	C5'	G	A	17	-27.334	-30.612	68.126	1.00	0.00	C
ATOM	522	O5'	G	A	17	-27.842	-29.479	67.381	1.00	0.00	O
ATOM	523	O1P	G	A	17	-30.174	-29.188	68.284	1.00	0.00	O
ATOM	524	O2P	G	A	17	-29.631	-28.447	65.949	1.00	0.00	O
ATOM	525	P	G	A	17	-29.401	-29.417	67.048	1.00	0.00	P
ATOM	526	H1	G	A	17	-20.403	-28.468	63.592	1.00	0.00	H
ATOM	527	H8	G	A	17	-26.486	-28.308	65.750	1.00	0.00	H
ATOM	528	H1'	G	A	17	-23.693	-28.529	68.472	1.00	0.00	H
ATOM	529	H21	G	A	17	-19.014	-28.771	65.261	1.00	0.00	H
ATOM	530	H3'	G	A	17	-27.371	-28.549	69.868	1.00	0.00	H
ATOM	531	H22	G	A	17	-19.565	-28.944	66.951	1.00	0.00	H
ATOM	532	H4'	G	A	17	-26.120	-30.883	69.838	1.00	0.00	H
ATOM	533	H2'1	G	A	17	-26.510	-27.603	67.835	1.00	0.00	H
ATOM	534	H2'2	G	A	17	-25.374	-26.943	69.005	1.00	0.00	H
ATOM	535	H5'1	G	A	17	-26.971	-31.374	67.437	1.00	0.00	H
ATOM	536	H5'2	G	A	17	-28.127	-31.036	68.742	1.00	0.00	H
ATOM	537	C1'	G	A	18	-20.767	-25.997	69.397	1.00	0.00	C
ATOM	538	N1	G	A	18	-20.208	-25.222	64.386	1.00	0.00	N
ATOM	539	C2	G	A	18	-19.257	-25.487	65.355	1.00	0.00	C
ATOM	540	N2	G	A	18	-17.987	-25.553	64.933	1.00	0.00	N
ATOM	541	N3	G	A	18	-19.549	-25.673	66.640	1.00	0.00	N
ATOM	542	C4	G	A	18	-20.880	-25.563	66.889	1.00	0.00	C

ATOM	543	C5	G A	18	-21.899	-25.298	65.989	1.00	0.00	C
ATOM	544	C6	G A	18	-21.590	-25.105	64.622	1.00	0.00	C
ATOM	545	O6	G A	18	-22.348	-24.862	63.683	1.00	0.00	O
ATOM	546	N7	G A	18	-23.129	-25.267	66.648	1.00	0.00	N
ATOM	547	C8	G A	18	-22.826	-25.513	67.896	1.00	0.00	C
ATOM	548	N9	G A	18	-21.478	-25.703	68.122	1.00	0.00	N
ATOM	549	C2'	G A	18	-21.343	-25.267	70.603	1.00	0.00	C
ATOM	550	C3'	G A	18	-21.166	-26.294	71.709	1.00	0.00	C
ATOM	551	O3'	G A	18	-19.846	-26.189	72.238	1.00	0.00	O
ATOM	552	C4'	G A	18	-21.394	-27.619	70.984	1.00	0.00	C
ATOM	553	O4'	G A	18	-20.870	-27.387	69.638	1.00	0.00	O
ATOM	554	C5'	G A	18	-22.826	-28.085	70.872	1.00	0.00	C
ATOM	555	O5'	G A	18	-23.699	-26.945	70.677	1.00	0.00	O
ATOM	556	O1P	G A	18	-25.077	-26.898	72.783	1.00	0.00	O
ATOM	557	O2P	G A	18	-26.010	-25.957	70.653	1.00	0.00	O
ATOM	558	P	G A	18	-25.162	-26.980	71.313	1.00	0.00	P
ATOM	559	H1	G A	18	-19.878	-25.101	63.416	1.00	0.00	H
ATOM	560	H8	G A	18	-23.571	-25.562	68.690	1.00	0.00	H
ATOM	561	H1'	G A	18	-19.713	-25.756	69.262	1.00	0.00	H
ATOM	562	H21	G A	18	-17.770	-25.411	63.935	1.00	0.00	H
ATOM	563	H3'	G A	18	-21.890	-26.157	72.514	1.00	0.00	H
ATOM	564	H22	G A	18	-17.232	-25.744	65.605	1.00	0.00	H
ATOM	565	H4'	G A	18	-20.838	-28.379	71.531	1.00	0.00	H
ATOM	566	H2'1	G A	18	-22.394	-25.008	70.466	1.00	0.00	H
ATOM	567	H2'2	G A	18	-20.805	-24.346	70.825	1.00	0.00	H
ATOM	568	H5'1	G A	18	-22.915	-28.767	70.027	1.00	0.00	H
ATOM	569	H5'2	G A	18	-23.104	-28.610	71.785	1.00	0.00	H
ATOM	570	C1'	T A	19	-16.848	-23.080	68.604	1.00	0.00	C
ATOM	571	N1	T A	19	-18.159	-22.751	67.985	1.00	0.00	N
ATOM	572	C2	T A	19	-18.173	-22.511	66.627	1.00	0.00	C
ATOM	573	O2	T A	19	-17.168	-22.560	65.938	1.00	0.00	O
ATOM	574	N3	T A	19	-19.413	-22.211	66.093	1.00	0.00	N
ATOM	575	C4	T A	19	-20.605	-22.127	66.781	1.00	0.00	C
ATOM	576	O4	T A	19	-21.656	-21.845	66.194	1.00	0.00	O
ATOM	577	C5	T A	19	-20.491	-22.393	68.196	1.00	0.00	C
ATOM	578	C6	T A	19	-19.299	-22.691	68.750	1.00	0.00	C
ATOM	579	C7	T A	19	-21.765	-22.317	68.984	1.00	0.00	C
ATOM	580	C2'	T A	19	-16.653	-22.478	69.990	1.00	0.00	C
ATOM	581	C3'	T A	19	-15.859	-23.564	70.699	1.00	0.00	C
ATOM	582	O3'	T A	19	-14.474	-23.402	70.401	1.00	0.00	O
ATOM	583	C4'	T A	19	-16.432	-24.847	70.103	1.00	0.00	C
ATOM	584	O4'	T A	19	-16.767	-24.487	68.726	1.00	0.00	O
ATOM	585	C5'	T A	19	-17.666	-25.407	70.772	1.00	0.00	C
ATOM	586	O5'	T A	19	-18.519	-24.321	71.213	1.00	0.00	O
ATOM	587	O1P	T A	19	-18.460	-24.517	73.721	1.00	0.00	O
ATOM	588	O2P	T A	19	-20.455	-23.501	72.588	1.00	0.00	O
ATOM	589	P	T A	19	-19.363	-24.503	72.553	1.00	0.00	P
ATOM	590	H3	T A	19	-19.450	-22.032	65.079	1.00	0.00	H
ATOM	591	H6	T A	19	-19.238	-22.889	69.820	1.00	0.00	H
ATOM	592	H1'	T A	19	-16.059	-22.757	67.924	1.00	0.00	H
ATOM	593	H3'	T A	19	-16.002	-23.533	71.779	1.00	0.00	H
ATOM	594	H4'	T A	19	-15.648	-25.603	70.167	1.00	0.00	H
ATOM	595	H71	T A	19	-21.708	-21.486	69.686	1.00	0.00	H
ATOM	596	H72	T A	19	-22.603	-22.160	68.304	1.00	0.00	H

ATOM	597	H73	T	A	19	-21.912	-23.247	69.533	1.00	0.00	H
ATOM	598	H2'1	T	A	19	-17.600	-22.286	70.492	1.00	0.00	H
ATOM	599	H2'2	T	A	19	-16.102	-21.538	69.960	1.00	0.00	H
ATOM	600	H5'1	T	A	19	-18.205	-26.033	70.062	1.00	0.00	H
ATOM	601	H5'2	T	A	19	-17.367	-26.011	71.627	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-11.911	-21.164	71.910	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-13.254	-21.642	71.799	1.00	0.00	O
ATOM	604	S	LNK	A	20	-9.872	-18.361	73.869	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-11.863	-20.000	72.919	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-10.841	-18.950	72.445	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-15.128	-20.849	70.317	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-12.900	-21.436	69.320	1.00	0.00	O
ATOM	609	P	LNK	A	20	-13.928	-21.708	70.355	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-11.566	-20.814	70.937	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-11.265	-21.971	72.257	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-11.367	-18.110	71.991	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-11.568	-20.380	73.898	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-12.849	-19.541	72.991	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-10.172	-19.400	71.711	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-9.489	-17.825	73.679			
TER											
ATOM	618	C1'	A	B	2	-19.033	-20.902	58.146	1.00	0.00	C
ATOM	619	N1	A	B	2	-19.538	-21.688	63.192	1.00	0.00	N
ATOM	620	C2	A	B	2	-18.489	-21.730	62.378	1.00	0.00	C
ATOM	621	N3	A	B	2	-18.427	-21.513	61.081	1.00	0.00	N
ATOM	622	C4	A	B	2	-19.650	-21.219	60.600	1.00	0.00	C
ATOM	623	C5	A	B	2	-20.820	-21.137	61.298	1.00	0.00	C
ATOM	624	C6	A	B	2	-20.744	-21.391	62.684	1.00	0.00	C
ATOM	625	N6	A	B	2	-21.812	-21.346	63.499	1.00	0.00	N
ATOM	626	N7	A	B	2	-21.877	-20.809	60.466	1.00	0.00	N
ATOM	627	C8	A	B	2	-21.328	-20.706	59.293	1.00	0.00	C
ATOM	628	N9	A	B	2	-19.977	-20.938	59.296	1.00	0.00	N
ATOM	629	C2'	A	B	2	-19.621	-21.451	56.852	1.00	0.00	C
ATOM	630	C3'	A	B	2	-18.981	-20.553	55.807	1.00	0.00	C
ATOM	631	O3'	A	B	2	-17.691	-21.064	55.477	1.00	0.00	O
ATOM	632	C4'	A	B	2	-18.901	-19.204	56.521	1.00	0.00	C
ATOM	633	O4'	A	B	2	-18.676	-19.551	57.925	1.00	0.00	O
ATOM	634	C5'	A	B	2	-20.125	-18.323	56.431	1.00	0.00	C
ATOM	635	O5'	A	B	2	-21.321	-19.141	56.471	1.00	0.00	O
ATOM	636	H2	A	B	2	-17.541	-21.981	62.852	1.00	0.00	H
ATOM	637	H8	A	B	2	-21.889	-20.458	58.391	1.00	0.00	H
ATOM	638	H1'	A	B	2	-18.131	-21.447	58.427	1.00	0.00	H
ATOM	639	H3'	A	B	2	-19.584	-20.483	54.902	1.00	0.00	H
ATOM	640	H4'	A	B	2	-18.067	-18.661	56.078	1.00	0.00	H
ATOM	641	H61	A	B	2	-21.702	-21.537	64.504	1.00	0.00	H
ATOM	642	H62	A	B	2	-22.742	-21.120	63.115	1.00	0.00	H
ATOM	643	H2'1	A	B	2	-20.708	-21.377	56.827	1.00	0.00	H
ATOM	644	H2'2	A	B	2	-19.359	-22.497	56.690	1.00	0.00	H
ATOM	645	H5'1	A	B	2	-20.126	-17.627	57.269	1.00	0.00	H
ATOM	646	H5'2	A	B	2	-20.093	-17.762	55.498	1.00	0.00	H
ATOM	647	C1'	C	B	3	-16.361	-24.848	59.543	1.00	0.00	C
ATOM	648	N1	C	B	3	-17.801	-24.743	59.908	1.00	0.00	N
ATOM	649	C2	C	B	3	-18.150	-24.928	61.244	1.00	0.00	C
ATOM	650	O2	C	B	3	-17.257	-25.169	62.067	1.00	0.00	O

ATOM	651	N3	C B	3	-19.455	-24.837	61.597	1.00	0.00	N
ATOM	652	C4	C B	3	-20.399	-24.575	60.684	1.00	0.00	C
ATOM	653	N4	C B	3	-21.660	-24.494	61.085	1.00	0.00	N
ATOM	654	C5	C B	3	-20.071	-24.385	59.301	1.00	0.00	C
ATOM	655	C6	C B	3	-18.748	-24.477	58.968	1.00	0.00	C
ATOM	656	C2'	C B	3	-16.116	-25.520	58.199	1.00	0.00	C
ATOM	657	C3'	C B	3	-14.916	-24.748	57.672	1.00	0.00	C
ATOM	658	O3'	C B	3	-13.723	-25.316	58.209	1.00	0.00	O
ATOM	659	C4'	C B	3	-15.168	-23.335	58.192	1.00	0.00	C
ATOM	660	O4'	C B	3	-15.838	-23.535	59.477	1.00	0.00	O
ATOM	661	C5'	C B	3	-16.032	-22.446	57.329	1.00	0.00	C
ATOM	662	O5'	C B	3	-17.082	-23.234	56.712	1.00	0.00	O
ATOM	663	O1P	C B	3	-16.521	-23.137	54.260	1.00	0.00	O
ATOM	664	O2P	C B	3	-18.899	-23.464	54.991	1.00	0.00	O
ATOM	665	P	C B	3	-17.577	-22.842	55.249	1.00	0.00	P
ATOM	666	H5	C B	3	-20.836	-24.179	58.552	1.00	0.00	H
ATOM	667	H6	C B	3	-18.448	-24.332	57.931	1.00	0.00	H
ATOM	668	H1'	C B	3	-15.844	-25.376	60.344	1.00	0.00	H
ATOM	669	H3'	C B	3	-14.866	-24.765	56.584	1.00	0.00	H
ATOM	670	H4'	C B	3	-14.194	-22.855	58.289	1.00	0.00	H
ATOM	671	H41	C B	3	-22.406	-24.290	60.403	1.00	0.00	H
ATOM	672	H42	C B	3	-21.895	-24.633	62.079	1.00	0.00	H
ATOM	673	H2'1	C B	3	-16.971	-25.430	57.529	1.00	0.00	H
ATOM	674	H2'2	C B	3	-15.891	-26.582	58.303	1.00	0.00	H
ATOM	675	H5'1	C B	3	-16.474	-21.665	57.948	1.00	0.00	H
ATOM	676	H5'2	C B	3	-15.417	-21.987	56.558	1.00	0.00	H
ATOM	677	C1'	C B	4	-15.290	-28.688	62.480	1.00	0.00	C
ATOM	678	N1	C B	4	-16.662	-28.514	61.933	1.00	0.00	N
ATOM	679	C2	C B	4	-17.732	-28.555	62.824	1.00	0.00	C
ATOM	680	O2	C B	4	-17.500	-28.731	64.028	1.00	0.00	O
ATOM	681	N3	C B	4	-18.990	-28.399	62.346	1.00	0.00	N
ATOM	682	C4	C B	4	-19.210	-28.210	61.038	1.00	0.00	C
ATOM	683	N4	C B	4	-20.460	-28.060	60.624	1.00	0.00	N
ATOM	684	C5	C B	4	-18.130	-28.169	60.096	1.00	0.00	C
ATOM	685	C6	C B	4	-16.870	-28.323	60.602	1.00	0.00	C
ATOM	686	C2'	C B	4	-14.367	-29.499	61.581	1.00	0.00	C
ATOM	687	C3'	C B	4	-13.028	-28.811	61.799	1.00	0.00	C
ATOM	688	O3'	C B	4	-12.411	-29.348	62.966	1.00	0.00	O
ATOM	689	C4'	C B	4	-13.422	-27.347	61.975	1.00	0.00	C
ATOM	690	O4'	C B	4	-14.725	-27.400	62.641	1.00	0.00	O
ATOM	691	C5'	C B	4	-13.561	-26.531	60.710	1.00	0.00	C
ATOM	692	O5'	C B	4	-14.119	-27.354	59.655	1.00	0.00	O
ATOM	693	O1P	C B	4	-12.240	-27.518	57.989	1.00	0.00	O
ATOM	694	O2P	C B	4	-14.620	-27.717	57.220	1.00	0.00	O
ATOM	695	P	C B	4	-13.646	-27.101	58.154	1.00	0.00	P
ATOM	696	H5	C B	4	-18.305	-28.023	59.030	1.00	0.00	H
ATOM	697	H6	C B	4	-16.016	-28.292	59.926	1.00	0.00	H
ATOM	698	H1'	C B	4	-15.372	-29.143	63.468	1.00	0.00	H
ATOM	699	H3'	C B	4	-12.360	-28.939	60.946	1.00	0.00	H
ATOM	700	H4'	C B	4	-12.650	-26.881	62.588	1.00	0.00	H
ATOM	701	H41	C B	4	-20.658	-27.910	59.624	1.00	0.00	H
ATOM	702	H42	C B	4	-21.236	-28.092	61.302	1.00	0.00	H
ATOM	703	H2'1	C B	4	-14.668	-29.457	60.535	1.00	0.00	H
ATOM	704	H2'2	C B	4	-14.326	-30.549	61.870	1.00	0.00	H

ATOM	705	H5'1	C B	4	-14.216	-25.681	60.902	1.00	0.00	H
ATOM	706	H5'2	C B	4	-12.578	-26.166	60.412	1.00	0.00	H
ATOM	707	C1'	G B	5	-16.411	-32.233	65.752	1.00	0.00	C
ATOM	708	N1	G B	5	-21.091	-31.794	63.768	1.00	0.00	N
ATOM	709	C2	G B	5	-20.694	-31.928	65.087	1.00	0.00	C
ATOM	710	N2	G B	5	-21.674	-31.948	65.998	1.00	0.00	N
ATOM	711	N3	G B	5	-19.421	-32.030	65.465	1.00	0.00	N
ATOM	712	C4	G B	5	-18.564	-31.997	64.412	1.00	0.00	C
ATOM	713	C5	G B	5	-18.869	-31.872	63.066	1.00	0.00	C
ATOM	714	C6	G B	5	-20.218	-31.759	62.663	1.00	0.00	C
ATOM	715	O6	G B	5	-20.682	-31.642	61.529	1.00	0.00	O
ATOM	716	N7	G B	5	-17.698	-31.883	62.304	1.00	0.00	N
ATOM	717	C8	G B	5	-16.743	-32.009	63.190	1.00	0.00	C
ATOM	718	N9	G B	5	-17.192	-32.086	64.493	1.00	0.00	N
ATOM	719	C2'	G B	5	-15.201	-33.148	65.620	1.00	0.00	C
ATOM	720	C3'	G B	5	-14.191	-32.471	66.533	1.00	0.00	C
ATOM	721	O3'	G B	5	-14.408	-32.903	67.874	1.00	0.00	O
ATOM	722	C4'	G B	5	-14.502	-30.988	66.345	1.00	0.00	C
ATOM	723	O4'	G B	5	-15.948	-30.949	66.125	1.00	0.00	O
ATOM	724	C5'	G B	5	-13.819	-30.300	65.187	1.00	0.00	C
ATOM	725	O5'	G B	5	-13.720	-31.210	64.064	1.00	0.00	O
ATOM	726	O1P	G B	5	-11.242	-31.578	63.826	1.00	0.00	O
ATOM	727	O2P	G B	5	-12.740	-31.801	61.827	1.00	0.00	O
ATOM	728	P	G B	5	-12.446	-31.117	63.109	1.00	0.00	P
ATOM	729	H1	G B	5	-22.102	-31.715	63.581	1.00	0.00	H
ATOM	730	H8	G B	5	-15.688	-32.051	62.925	1.00	0.00	H
ATOM	731	H1'	G B	5	-17.084	-32.586	66.533	1.00	0.00	H
ATOM	732	H21	G B	5	-22.656	-31.865	65.698	1.00	0.00	H
ATOM	733	H3'	G B	5	-13.163	-32.697	66.243	1.00	0.00	H
ATOM	734	H22	G B	5	-21.446	-32.049	66.998	1.00	0.00	H
ATOM	735	H4'	G B	5	-14.198	-30.482	67.260	1.00	0.00	H
ATOM	736	H2'1	G B	5	-14.835	-33.204	64.594	1.00	0.00	H
ATOM	737	H2'2	G B	5	-15.414	-34.165	65.948	1.00	0.00	H
ATOM	738	H5'1	G B	5	-14.398	-29.421	64.901	1.00	0.00	H
ATOM	739	H5'2	G B	5	-12.821	-29.986	65.496	1.00	0.00	H
ATOM	740	C1'	T B	6	-19.466	-35.403	68.015	1.00	0.00	C
ATOM	741	N1	T B	6	-19.392	-35.366	66.530	1.00	0.00	N
ATOM	742	C2	T B	6	-20.584	-35.251	65.843	1.00	0.00	C
ATOM	743	O2	T B	6	-21.664	-35.183	66.402	1.00	0.00	O
ATOM	744	N3	T B	6	-20.468	-35.219	64.464	1.00	0.00	N
ATOM	745	C4	T B	6	-19.301	-35.292	63.735	1.00	0.00	C
ATOM	746	O4	T B	6	-19.323	-35.256	62.500	1.00	0.00	O
ATOM	747	C5	T B	6	-18.108	-35.408	64.541	1.00	0.00	C
ATOM	748	C6	T B	6	-18.182	-35.442	65.886	1.00	0.00	C
ATOM	749	C7	T B	6	-16.813	-35.488	63.788	1.00	0.00	C
ATOM	750	C2'	T B	6	-18.463	-36.356	68.654	1.00	0.00	C
ATOM	751	C3'	T B	6	-18.092	-35.615	69.930	1.00	0.00	C
ATOM	752	O3'	T B	6	-19.057	-35.905	70.938	1.00	0.00	O
ATOM	753	C4'	T B	6	-18.130	-34.151	69.496	1.00	0.00	C
ATOM	754	O4'	T B	6	-19.195	-34.101	68.494	1.00	0.00	O
ATOM	755	C5'	T B	6	-16.864	-33.598	68.884	1.00	0.00	C
ATOM	756	O5'	T B	6	-16.222	-34.620	68.079	1.00	0.00	O
ATOM	757	O1P	T B	6	-14.076	-35.069	69.314	1.00	0.00	O
ATOM	758	O2P	T B	6	-14.205	-35.456	66.838	1.00	0.00	O

ATOM	759	P	T B	6	-14.629	-34.653	68.010	1.00	0.00	P
ATOM	760	H3	T B	6	-21.344	-35.131	63.929	1.00	0.00	H
ATOM	761	H6	T B	6	-17.267	-35.531	66.472	1.00	0.00	H
ATOM	762	H1'	T B	6	-20.485	-35.661	68.300	1.00	0.00	H
ATOM	763	H3'	T B	6	-17.101	-35.893	70.289	1.00	0.00	H
ATOM	764	H4'	T B	6	-18.354	-33.563	70.386	1.00	0.00	H
ATOM	765	H71	T B	6	-16.361	-36.467	63.945	1.00	0.00	H
ATOM	766	H72	T B	6	-17.001	-35.341	62.724	1.00	0.00	H
ATOM	767	H73	T B	6	-16.135	-34.713	64.147	1.00	0.00	H
ATOM	768	H2'1	T B	6	-17.592	-36.523	68.024	1.00	0.00	H
ATOM	769	H2'2	T B	6	-18.901	-37.330	68.875	1.00	0.00	H
ATOM	770	H5'1	T B	6	-17.113	-32.739	68.260	1.00	0.00	H
ATOM	771	H5'2	T B	6	-16.192	-33.281	69.680	1.00	0.00	H
ATOM	772	C1'	C B	7	-23.524	-38.256	68.253	1.00	0.00	C
ATOM	773	N1	C B	7	-22.584	-38.371	67.102	1.00	0.00	N
ATOM	774	C2	C B	7	-23.117	-38.304	65.817	1.00	0.00	C
ATOM	775	O2	C B	7	-24.339	-38.151	65.683	1.00	0.00	O
ATOM	776	N3	C B	7	-22.279	-38.407	64.756	1.00	0.00	N
ATOM	777	C4	C B	7	-20.962	-38.573	64.932	1.00	0.00	C
ATOM	778	N4	C B	7	-20.190	-38.665	63.861	1.00	0.00	N
ATOM	779	C5	C B	7	-20.387	-38.651	66.244	1.00	0.00	C
ATOM	780	C6	C B	7	-21.250	-38.540	67.297	1.00	0.00	C
ATOM	781	C2'	C B	7	-23.172	-39.160	69.425	1.00	0.00	C
ATOM	782	C3'	C B	7	-23.565	-38.301	70.617	1.00	0.00	C
ATOM	783	O3'	C B	7	-24.958	-38.462	70.871	1.00	0.00	O
ATOM	784	C4'	C B	7	-23.223	-36.889	70.146	1.00	0.00	C
ATOM	785	O4'	C B	7	-23.484	-36.916	68.707	1.00	0.00	O
ATOM	786	C5'	C B	7	-21.799	-36.432	70.370	1.00	0.00	C
ATOM	787	O5'	C B	7	-20.892	-37.546	70.177	1.00	0.00	O
ATOM	788	O1P	C B	7	-19.928	-37.916	72.473	1.00	0.00	O
ATOM	789	O2P	C B	7	-18.605	-38.552	70.440	1.00	0.00	O
ATOM	790	P	C B	7	-19.573	-37.623	71.071	1.00	0.00	P
ATOM	791	H5	C B	7	-19.316	-38.794	66.391	1.00	0.00	H
ATOM	792	H6	C B	7	-20.858	-38.585	68.313	1.00	0.00	H
ATOM	793	H1'	C B	7	-24.532	-38.458	67.891	1.00	0.00	H
ATOM	794	H3'	C B	7	-23.001	-38.563	71.514	1.00	0.00	H
ATOM	795	H4'	C B	7	-23.879	-36.207	70.686	1.00	0.00	H
ATOM	796	H41	C B	7	-19.173	-38.790	63.968	1.00	0.00	H
ATOM	797	H42	C B	7	-20.606	-38.611	62.918	1.00	0.00	H
ATOM	798	H2'1	C B	7	-22.112	-39.412	69.450	1.00	0.00	H
ATOM	799	H2'2	C B	7	-23.731	-40.096	69.408	1.00	0.00	H
ATOM	800	H5'1	C B	7	-21.564	-35.637	69.662	1.00	0.00	H
ATOM	801	H5'2	C B	7	-21.703	-36.049	71.385	1.00	0.00	H
ATOM	802	C1'	C B	8	-27.174	-40.978	66.306	1.00	0.00	C
ATOM	803	N1	C B	8	-25.757	-41.231	65.928	1.00	0.00	N
ATOM	804	C2	C B	8	-25.442	-41.283	64.572	1.00	0.00	C
ATOM	805	O2	C B	8	-26.346	-41.116	63.743	1.00	0.00	O
ATOM	806	N3	C B	8	-24.158	-41.512	64.207	1.00	0.00	N
ATOM	807	C4	C B	8	-23.201	-41.689	65.128	1.00	0.00	C
ATOM	808	N4	C B	8	-21.961	-41.906	64.714	1.00	0.00	N
ATOM	809	C5	C B	8	-23.495	-41.646	66.531	1.00	0.00	C
ATOM	810	C6	C B	8	-24.796	-41.409	66.875	1.00	0.00	C
ATOM	811	C2'	C B	8	-27.635	-41.767	67.525	1.00	0.00	C
ATOM	812	C3'	C B	8	-28.576	-40.782	68.202	1.00	0.00	C

ATOM	813	O3'	C B	8	-29.868	-40.885	67.608	1.00	0.00	O
ATOM	814	C4'	C B	8	-27.916	-39.434	67.920	1.00	0.00	C
ATOM	815	O4'	C B	8	-27.300	-39.600	66.604	1.00	0.00	O
ATOM	816	C5'	C B	8	-26.855	-38.988	68.898	1.00	0.00	C
ATOM	817	O5'	C B	8	-26.090	-40.136	69.348	1.00	0.00	O
ATOM	818	O1P	C B	8	-26.661	-40.292	71.795	1.00	0.00	O
ATOM	819	O2P	C B	8	-24.460	-41.161	70.961	1.00	0.00	O
ATOM	820	P	C B	8	-25.540	-40.152	70.843	1.00	0.00	P
ATOM	821	H5	C B	8	-22.722	-41.797	67.284	1.00	0.00	H
ATOM	822	H6	C B	8	-25.068	-41.360	67.930	1.00	0.00	H
ATOM	823	H1'	C B	8	-27.802	-41.193	65.441	1.00	0.00	H
ATOM	824	H3'	C B	8	-28.655	-40.965	69.273	1.00	0.00	H
ATOM	825	H4'	C B	8	-28.709	-38.686	67.929	1.00	0.00	H
ATOM	826	H41	C B	8	-21.205	-42.042	65.402	1.00	0.00	H
ATOM	827	H42	C B	8	-21.752	-41.939	63.705	1.00	0.00	H
ATOM	828	H2'1	C B	8	-26.807	-42.038	68.179	1.00	0.00	H
ATOM	829	H2'2	C B	8	-28.152	-42.686	67.250	1.00	0.00	H
ATOM	830	H5'1	C B	8	-26.192	-38.275	68.407	1.00	0.00	H
ATOM	831	H5'2	C B	8	-27.331	-38.507	69.750	1.00	0.00	H
ATOM	832	C1'	T B	9	-29.249	-43.798	62.808	1.00	0.00	C
ATOM	833	N1	T B	9	-27.891	-44.122	63.321	1.00	0.00	N
ATOM	834	C2	T B	9	-26.892	-44.310	62.388	1.00	0.00	C
ATOM	835	O2	T B	9	-27.086	-44.221	61.189	1.00	0.00	O
ATOM	836	N3	T B	9	-25.647	-44.607	62.909	1.00	0.00	N
ATOM	837	C4	T B	9	-25.323	-44.733	64.243	1.00	0.00	C
ATOM	838	O4	T B	9	-24.168	-45.008	64.591	1.00	0.00	O
ATOM	839	C5	T B	9	-26.432	-44.518	65.144	1.00	0.00	C
ATOM	840	C6	T B	9	-27.659	-44.225	64.671	1.00	0.00	C
ATOM	841	C7	T B	9	-26.123	-44.643	66.606	1.00	0.00	C
ATOM	842	C2'	T B	9	-30.377	-44.449	63.600	1.00	0.00	C
ATOM	843	C3'	T B	9	-31.457	-43.379	63.550	1.00	0.00	C
ATOM	844	O3'	T B	9	-32.193	-43.512	62.336	1.00	0.00	O
ATOM	845	C4'	T B	9	-30.653	-42.082	63.601	1.00	0.00	C
ATOM	846	O4'	T B	9	-29.418	-42.396	62.883	1.00	0.00	O
ATOM	847	C5'	T B	9	-30.298	-41.565	64.976	1.00	0.00	C
ATOM	848	O5'	T B	9	-30.012	-42.679	65.859	1.00	0.00	O
ATOM	849	O1P	T B	9	-31.873	-42.576	67.548	1.00	0.00	O
ATOM	850	O2P	T B	9	-29.660	-43.576	68.179	1.00	0.00	O
ATOM	851	P	T B	9	-30.404	-42.558	67.399	1.00	0.00	P
ATOM	852	H3	T B	9	-24.883	-44.749	62.233	1.00	0.00	H
ATOM	853	H6	T B	9	-28.481	-44.068	65.370	1.00	0.00	H
ATOM	854	H1'	T B	9	-29.294	-44.084	61.757	1.00	0.00	H
ATOM	855	H3'	T B	9	-32.140	-43.453	64.396	1.00	0.00	H
ATOM	856	H4'	T B	9	-31.254	-41.319	63.103	1.00	0.00	H
ATOM	857	H71	T B	9	-26.658	-45.498	67.019	1.00	0.00	H
ATOM	858	H72	T B	9	-25.051	-44.784	66.741	1.00	0.00	H
ATOM	859	H73	T B	9	-26.438	-43.735	67.122	1.00	0.00	H
ATOM	860	H2'1	T B	9	-30.086	-44.673	64.625	1.00	0.00	H
ATOM	861	H2'2	T B	9	-30.717	-45.379	63.145	1.00	0.00	H
ATOM	862	H5'1	T B	9	-29.423	-40.920	64.901	1.00	0.00	H
ATOM	863	H5'2	T B	9	-31.134	-40.990	65.368	1.00	0.00	H
ATOM	864	C1'	A B	10	-29.116	-46.915	58.948	1.00	0.00	C
ATOM	865	N1	A B	10	-24.520	-48.183	60.848	1.00	0.00	N
ATOM	866	C2	A B	10	-24.953	-47.969	59.608	1.00	0.00	C

ATOM	867	N3	A B	10	-26.155	-47.641	59.187	1.00	0.00	N
ATOM	868	C4	A B	10	-27.001	-47.534	60.228	1.00	0.00	C
ATOM	869	C5	A B	10	-26.717	-47.720	61.553	1.00	0.00	C
ATOM	870	C6	A B	10	-25.387	-48.067	61.866	1.00	0.00	C
ATOM	871	N6	A B	10	-24.962	-48.281	63.124	1.00	0.00	N
ATOM	872	N7	A B	10	-27.840	-47.521	62.337	1.00	0.00	N
ATOM	873	C8	A B	10	-28.771	-47.227	61.478	1.00	0.00	C
ATOM	874	N9	A B	10	-28.335	-47.212	60.179	1.00	0.00	N
ATOM	875	C2'	A B	10	-30.539	-47.454	58.980	1.00	0.00	C
ATOM	876	C3'	A B	10	-31.306	-46.373	58.233	1.00	0.00	C
ATOM	877	O3'	A B	10	-31.211	-46.616	56.832	1.00	0.00	O
ATOM	878	C4'	A B	10	-30.579	-45.094	58.647	1.00	0.00	C
ATOM	879	O4'	A B	10	-29.185	-45.508	58.811	1.00	0.00	O
ATOM	880	C5'	A B	10	-31.044	-44.444	59.929	1.00	0.00	C
ATOM	881	O5'	A B	10	-31.408	-45.464	60.893	1.00	0.00	O
ATOM	882	O1P	A B	10	-33.890	-45.144	61.169	1.00	0.00	O
ATOM	883	O2P	A B	10	-32.534	-46.120	63.042	1.00	0.00	O
ATOM	884	P	A B	10	-32.609	-45.174	61.902	1.00	0.00	P
ATOM	885	H2	A B	10	-24.201	-48.083	58.828	1.00	0.00	H
ATOM	886	H8	A B	10	-29.801	-47.012	61.765	1.00	0.00	H
ATOM	887	H1'	A B	10	-28.568	-47.309	58.093	1.00	0.00	H
ATOM	888	H3'	A B	10	-32.355	-46.341	58.525	1.00	0.00	H
ATOM	889	H4'	A B	10	-30.718	-44.376	57.840	1.00	0.00	H
ATOM	890	H61	A B	10	-23.978	-48.529	63.298	1.00	0.00	H
ATOM	891	H62	A B	10	-25.620	-48.195	63.911	1.00	0.00	H
ATOM	892	H2'1	A B	10	-30.914	-47.574	59.996	1.00	0.00	H
ATOM	893	H2'2	A B	10	-30.628	-48.419	58.480	1.00	0.00	H
ATOM	894	H5'1	A B	10	-30.238	-43.829	60.331	1.00	0.00	H
ATOM	895	H5'2	A B	10	-31.905	-43.813	59.718	1.00	0.00	H
ATOM	896	C1'	G B	11	-27.004	-50.415	56.132	1.00	0.00	C
ATOM	897	N1	G B	11	-24.499	-51.577	60.421	1.00	0.00	N
ATOM	898	C2	G B	11	-24.039	-51.494	59.119	1.00	0.00	C
ATOM	899	N2	G B	11	-22.739	-51.758	58.935	1.00	0.00	N
ATOM	900	N3	G B	11	-24.814	-51.173	58.084	1.00	0.00	N
ATOM	901	C4	G B	11	-26.102	-50.946	58.453	1.00	0.00	C
ATOM	902	C5	G B	11	-26.650	-51.010	59.722	1.00	0.00	C
ATOM	903	C6	G B	11	-25.829	-51.346	60.823	1.00	0.00	C
ATOM	904	O6	G B	11	-26.129	-51.453	62.013	1.00	0.00	O
ATOM	905	N7	G B	11	-28.013	-50.708	59.675	1.00	0.00	N
ATOM	906	C8	G B	11	-28.241	-50.474	58.408	1.00	0.00	C
ATOM	907	N9	G B	11	-27.129	-50.600	57.602	1.00	0.00	N
ATOM	908	C2'	G B	11	-28.208	-50.918	55.346	1.00	0.00	C
ATOM	909	C3'	G B	11	-28.296	-49.904	54.217	1.00	0.00	C
ATOM	910	O3'	G B	11	-27.412	-50.292	53.169	1.00	0.00	O
ATOM	911	C4'	G B	11	-27.857	-48.605	54.891	1.00	0.00	C
ATOM	912	O4'	G B	11	-26.867	-49.030	55.881	1.00	0.00	O
ATOM	913	C5'	G B	11	-28.936	-47.816	55.595	1.00	0.00	C
ATOM	914	O5'	G B	11	-29.879	-48.723	56.219	1.00	0.00	O
ATOM	915	O1P	G B	11	-32.009	-48.322	54.940	1.00	0.00	O
ATOM	916	O2P	G B	11	-32.104	-49.128	57.313	1.00	0.00	O
ATOM	917	P	G B	11	-31.416	-48.303	56.290	1.00	0.00	P
ATOM	918	H1	G B	11	-23.816	-51.827	61.152	1.00	0.00	H
ATOM	919	H8	G B	11	-29.224	-50.204	58.023	1.00	0.00	H
ATOM	920	H1'	G B	11	-26.089	-50.907	55.801	1.00	0.00	H

ATOM	921	H21	G B	11	-22.146	-52.002	59.741	1.00	0.00	H
ATOM	922	H3'	G B	11	-29.309	-49.818	53.822	1.00	0.00	H
ATOM	923	H22	G B	11	-22.335	-51.717	57.989	1.00	0.00	H
ATOM	924	H4'	G B	11	-27.435	-47.970	54.112	1.00	0.00	H
ATOM	925	H2'1	G B	11	-29.118	-50.925	55.945	1.00	0.00	H
ATOM	926	H2'2	G B	11	-28.059	-51.927	54.962	1.00	0.00	H
ATOM	927	H5'1	G B	11	-28.478	-47.181	56.353	1.00	0.00	H
ATOM	928	H5'2	G B	11	-29.453	-47.190	54.867	1.00	0.00	H
ATOM	929	C1'	G B	12	-23.949	-54.224	55.304	1.00	0.00	C
ATOM	930	N1	G B	12	-24.478	-55.000	60.319	1.00	0.00	N
ATOM	931	C2	G B	12	-23.346	-55.061	59.525	1.00	0.00	C
ATOM	932	N2	G B	12	-22.203	-55.371	60.151	1.00	0.00	N
ATOM	933	N3	G B	12	-23.353	-54.829	58.215	1.00	0.00	N
ATOM	934	C4	G B	12	-24.596	-54.538	57.749	1.00	0.00	C
ATOM	935	C5	G B	12	-25.779	-54.459	58.462	1.00	0.00	C
ATOM	936	C6	G B	12	-25.772	-54.700	59.854	1.00	0.00	C
ATOM	937	O6	G B	12	-26.711	-54.679	60.651	1.00	0.00	O
ATOM	938	N7	G B	12	-26.837	-54.133	57.610	1.00	0.00	N
ATOM	939	C8	G B	12	-26.274	-54.024	56.435	1.00	0.00	C
ATOM	940	N9	G B	12	-24.914	-54.256	56.438	1.00	0.00	N
ATOM	941	C2'	G B	12	-24.513	-54.777	54.003	1.00	0.00	C
ATOM	942	C3'	G B	12	-23.855	-53.881	52.965	1.00	0.00	C
ATOM	943	O3'	G B	12	-22.561	-54.393	52.658	1.00	0.00	O
ATOM	944	C4'	G B	12	-23.787	-52.531	53.677	1.00	0.00	C
ATOM	945	O4'	G B	12	-23.586	-52.875	55.085	1.00	0.00	O
ATOM	946	C5'	G B	12	-25.009	-51.651	53.565	1.00	0.00	C
ATOM	947	O5'	G B	12	-26.206	-52.468	53.586	1.00	0.00	O
ATOM	948	O1P	G B	12	-27.168	-52.151	51.282	1.00	0.00	O
ATOM	949	O2P	G B	12	-28.679	-52.709	53.206	1.00	0.00	O
ATOM	950	P	G B	12	-27.465	-52.009	52.720	1.00	0.00	P
ATOM	951	H1	G B	12	-24.363	-55.190	61.327	1.00	0.00	H
ATOM	952	H8	G B	12	-26.828	-53.772	55.531	1.00	0.00	H
ATOM	953	H1'	G B	12	-23.053	-54.768	55.604	1.00	0.00	H
ATOM	954	H21	G B	12	-22.204	-55.545	61.167	1.00	0.00	H
ATOM	955	H3'	G B	12	-24.444	-53.813	52.051	1.00	0.00	H
ATOM	956	H22	G B	12	-21.326	-55.435	59.616	1.00	0.00	H
ATOM	957	H4'	G B	12	-22.946	-51.988	53.248	1.00	0.00	H
ATOM	958	H2'1	G B	12	-25.600	-54.703	53.959	1.00	0.00	H
ATOM	959	H2'2	G B	12	-24.250	-55.823	53.848	1.00	0.00	H
ATOM	960	H5'1	G B	12	-25.026	-50.952	54.401	1.00	0.00	H
ATOM	961	H5'2	G B	12	-24.962	-51.090	52.631	1.00	0.00	H
ATOM	962	C1'	T B	13	-21.272	-58.162	56.655	1.00	0.00	C
ATOM	963	N1	T B	13	-22.704	-58.063	57.042	1.00	0.00	N
ATOM	964	C2	T B	13	-23.013	-58.253	58.375	1.00	0.00	C
ATOM	965	O2	T B	13	-22.167	-58.494	59.219	1.00	0.00	O
ATOM	966	N3	T B	13	-24.355	-58.151	58.690	1.00	0.00	N
ATOM	967	C4	T B	13	-25.387	-57.887	57.814	1.00	0.00	C
ATOM	968	O4	T B	13	-26.556	-57.823	58.214	1.00	0.00	O
ATOM	969	C5	T B	13	-24.968	-57.702	56.445	1.00	0.00	C
ATOM	970	C6	T B	13	-23.667	-57.794	56.101	1.00	0.00	C
ATOM	971	C7	T B	13	-26.058	-57.410	55.457	1.00	0.00	C
ATOM	972	C2'	T B	13	-21.045	-58.830	55.304	1.00	0.00	C
ATOM	973	C3'	T B	13	-19.854	-58.053	54.764	1.00	0.00	C
ATOM	974	O3'	T B	13	-18.653	-58.621	55.279	1.00	0.00	O

ATOM	975	C4'	T B	13	-20.101	-56.642	55.292	1.00	0.00	C
ATOM	976	O4'	T B	13	-20.751	-56.850	56.586	1.00	0.00	O
ATOM	977	C5'	T B	13	-20.981	-55.751	54.446	1.00	0.00	C
ATOM	978	O5'	T B	13	-22.038	-56.539	53.842	1.00	0.00	O
ATOM	979	O1P	T B	13	-21.513	-56.432	51.384	1.00	0.00	O
ATOM	980	O2P	T B	13	-23.880	-56.767	52.147	1.00	0.00	O
ATOM	981	P	T B	13	-22.556	-56.142	52.387	1.00	0.00	P
ATOM	982	H3	T B	13	-24.610	-58.286	59.679	1.00	0.00	H
ATOM	983	H6	T B	13	-23.375	-57.651	55.061	1.00	0.00	H
ATOM	984	H1'	T B	13	-20.740	-58.693	57.446	1.00	0.00	H
ATOM	985	H3'	T B	13	-19.821	-58.066	53.674	1.00	0.00	H
ATOM	986	H4'	T B	13	-19.126	-56.161	55.376	1.00	0.00	H
ATOM	987	H71	T B	13	-26.141	-58.235	54.751	1.00	0.00	H
ATOM	988	H72	T B	13	-27.004	-57.287	55.985	1.00	0.00	H
ATOM	989	H73	T B	13	-25.823	-56.492	54.916	1.00	0.00	H
ATOM	990	H2'1	T B	13	-21.910	-58.738	54.649	1.00	0.00	H
ATOM	991	H2'2	T B	13	-20.817	-59.891	55.399	1.00	0.00	H
ATOM	992	H5'1	T B	13	-21.413	-54.973	55.074	1.00	0.00	H
ATOM	993	H5'2	T B	13	-20.377	-55.288	53.666	1.00	0.00	H
ATOM	994	C1'	G B	14	-20.210	-62.005	59.615	1.00	0.00	C
ATOM	995	N1	G B	14	-25.179	-61.792	60.752	1.00	0.00	N
ATOM	996	C2	G B	14	-24.087	-61.986	61.579	1.00	0.00	C
ATOM	997	N2	G B	14	-24.353	-62.146	62.881	1.00	0.00	N
ATOM	998	N3	G B	14	-22.829	-62.016	61.141	1.00	0.00	N
ATOM	999	C4	G B	14	-22.746	-61.844	59.795	1.00	0.00	C
ATOM	1000	C5	G B	14	-23.778	-61.649	58.893	1.00	0.00	C
ATOM	1001	C6	G B	14	-25.113	-61.613	59.357	1.00	0.00	C
ATOM	1002	O6	G B	14	-26.153	-61.453	58.717	1.00	0.00	O
ATOM	1003	N7	G B	14	-23.270	-61.517	57.599	1.00	0.00	N
ATOM	1004	C8	G B	14	-21.976	-61.630	57.755	1.00	0.00	C
ATOM	1005	N9	G B	14	-21.580	-61.832	59.061	1.00	0.00	N
ATOM	1006	C2'	G B	14	-19.282	-62.812	58.717	1.00	0.00	C
ATOM	1007	C3'	G B	14	-17.945	-62.125	58.942	1.00	0.00	C
ATOM	1008	O3'	G B	14	-17.333	-62.664	60.111	1.00	0.00	O
ATOM	1009	C4'	G B	14	-18.342	-60.661	59.120	1.00	0.00	C
ATOM	1010	O4'	G B	14	-19.646	-60.719	59.781	1.00	0.00	O
ATOM	1011	C5'	G B	14	-18.474	-59.843	57.858	1.00	0.00	C
ATOM	1012	O5'	G B	14	-19.028	-60.662	56.798	1.00	0.00	O
ATOM	1013	O1P	G B	14	-17.143	-60.821	55.138	1.00	0.00	O
ATOM	1014	O2P	G B	14	-19.519	-61.019	54.360	1.00	0.00	O
ATOM	1015	P	G B	14	-18.549	-60.405	55.299	1.00	0.00	P
ATOM	1016	H1	G B	14	-26.112	-61.778	61.193	1.00	0.00	H
ATOM	1017	H8	G B	14	-21.272	-61.570	56.924	1.00	0.00	H
ATOM	1018	H1'	G B	14	-20.295	-62.463	60.601	1.00	0.00	H
ATOM	1019	H21	G B	14	-25.329	-62.117	63.212	1.00	0.00	H
ATOM	1020	H3'	G B	14	-17.274	-62.250	58.092	1.00	0.00	H
ATOM	1021	H22	G B	14	-23.584	-62.298	63.549	1.00	0.00	H
ATOM	1022	H4'	G B	14	-17.572	-60.197	59.738	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-19.580	-62.769	57.670	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-19.242	-63.863	59.002	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-19.131	-58.994	58.048	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-17.491	-59.476	57.565	1.00	0.00	H
ATOM	1027	C1'	C B	15	-21.331	-65.550	62.888	1.00	0.00	C
ATOM	1028	N1	C B	15	-22.116	-65.402	61.633	1.00	0.00	N

ATOM	1029	C2	C B	15	-23.504	-65.328	61.736	1.00	0.00	C
ATOM	1030	O2	C B	15	-24.022	-65.386	62.859	1.00	0.00	O
ATOM	1031	N3	C B	15	-24.238	-65.193	60.605	1.00	0.00	N
ATOM	1032	C4	C B	15	-23.648	-65.133	59.405	1.00	0.00	C
ATOM	1033	N4	C B	15	-24.414	-64.998	58.332	1.00	0.00	N
ATOM	1034	C5	C B	15	-22.222	-65.212	59.267	1.00	0.00	C
ATOM	1035	C6	C B	15	-21.504	-65.342	60.420	1.00	0.00	C
ATOM	1036	C2'	C B	15	-20.124	-66.468	62.752	1.00	0.00	C
ATOM	1037	C3'	C B	15	-19.107	-65.792	63.659	1.00	0.00	C
ATOM	1038	O3'	C B	15	-19.320	-66.221	65.003	1.00	0.00	O
ATOM	1039	C4'	C B	15	-19.417	-64.309	63.471	1.00	0.00	C
ATOM	1040	O4'	C B	15	-20.863	-64.266	63.257	1.00	0.00	O
ATOM	1041	C5'	C B	15	-18.736	-63.623	62.309	1.00	0.00	C
ATOM	1042	O5'	C B	15	-18.644	-64.536	61.188	1.00	0.00	O
ATOM	1043	O1P	C B	15	-16.167	-64.911	60.940	1.00	0.00	O
ATOM	1044	O2P	C B	15	-17.674	-65.133	58.946	1.00	0.00	O
ATOM	1045	P	C B	15	-17.374	-64.447	60.227	1.00	0.00	P
ATOM	1046	H5	C B	15	-21.739	-65.170	58.291	1.00	0.00	H
ATOM	1047	H6	C B	15	-20.416	-65.400	60.367	1.00	0.00	H
ATOM	1048	H1'	C B	15	-22.003	-65.901	63.672	1.00	0.00	H
ATOM	1049	H3'	C B	15	-18.083	-66.021	63.365	1.00	0.00	H
ATOM	1050	H4'	C B	15	-19.106	-63.802	64.385	1.00	0.00	H
ATOM	1051	H41	C B	15	-23.985	-64.946	57.396	1.00	0.00	H
ATOM	1052	H42	C B	15	-25.439	-64.944	58.433	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-19.762	-66.527	61.726	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-20.338	-67.485	63.083	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-19.314	-62.744	62.024	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-17.737	-63.313	62.613	1.00	0.00	H
ATOM	1057	C1'	G B	16	-24.403	-68.718	65.133	1.00	0.00	C
ATOM	1058	N1	G B	16	-27.029	-68.379	60.773	1.00	0.00	N
ATOM	1059	C2	G B	16	-27.478	-68.386	62.082	1.00	0.00	C
ATOM	1060	N2	G B	16	-28.803	-68.293	62.251	1.00	0.00	N
ATOM	1061	N3	G B	16	-26.669	-68.479	63.136	1.00	0.00	N
ATOM	1062	C4	G B	16	-25.362	-68.572	62.778	1.00	0.00	C
ATOM	1063	C5	G B	16	-24.823	-68.577	61.503	1.00	0.00	C
ATOM	1064	C6	G B	16	-25.680	-68.475	60.382	1.00	0.00	C
ATOM	1065	O6	G B	16	-25.393	-68.462	59.185	1.00	0.00	O
ATOM	1066	N7	G B	16	-23.433	-68.692	61.567	1.00	0.00	N
ATOM	1067	C8	G B	16	-23.178	-68.748	62.849	1.00	0.00	C
ATOM	1068	N9	G B	16	-24.300	-68.683	63.650	1.00	0.00	N
ATOM	1069	C2'	G B	16	-23.414	-69.669	65.794	1.00	0.00	C
ATOM	1070	C3'	G B	16	-23.066	-68.926	67.074	1.00	0.00	C
ATOM	1071	O3'	G B	16	-24.050	-69.214	68.064	1.00	0.00	O
ATOM	1072	C4'	G B	16	-23.097	-67.463	66.637	1.00	0.00	C
ATOM	1073	O4'	G B	16	-24.143	-67.414	65.615	1.00	0.00	O
ATOM	1074	C5'	G B	16	-21.820	-66.911	66.049	1.00	0.00	C
ATOM	1075	O5'	G B	16	-21.162	-67.932	65.259	1.00	0.00	O
ATOM	1076	O1P	G B	16	-19.039	-68.379	66.534	1.00	0.00	O
ATOM	1077	O2P	G B	16	-19.121	-68.770	64.058	1.00	0.00	O
ATOM	1078	P	G B	16	-19.568	-67.966	65.221	1.00	0.00	P
ATOM	1079	H1	G B	16	-27.737	-68.296	60.028	1.00	0.00	H
ATOM	1080	H8	G B	16	-22.169	-68.839	63.249	1.00	0.00	H
ATOM	1081	H1'	G B	16	-25.429	-68.975	65.399	1.00	0.00	H
ATOM	1082	H21	G B	16	-29.421	-68.218	61.430	1.00	0.00	H

ATOM	1083	H3'	G B	16	-22.082	-69.203	67.452	1.00	0.00	H
ATOM	1084	H22	G B	16	-29.200	-68.295	63.200	1.00	0.00	H
ATOM	1085	H4'	G B	16	-23.338	-66.873	67.522	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-22.529	-69.837	65.179	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-23.855	-70.643	66.007	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-22.057	-66.054	65.419	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-21.163	-66.591	66.858	1.00	0.00	H
ATOM	1090	C1'	G B	17	-28.442	-71.573	65.387	1.00	0.00	C
ATOM	1091	N1	G B	17	-28.034	-71.619	60.301	1.00	0.00	N
ATOM	1092	C2	G B	17	-29.155	-71.483	61.102	1.00	0.00	C
ATOM	1093	N2	G B	17	-30.322	-71.343	60.462	1.00	0.00	N
ATOM	1094	N3	G B	17	-29.114	-71.486	62.432	1.00	0.00	N
ATOM	1095	C4	G B	17	-27.852	-71.646	62.909	1.00	0.00	C
ATOM	1096	C5	G B	17	-26.678	-71.792	62.190	1.00	0.00	C
ATOM	1097	C6	G B	17	-26.720	-71.785	60.778	1.00	0.00	C
ATOM	1098	O6	G B	17	-25.795	-71.900	59.973	1.00	0.00	O
ATOM	1099	N7	G B	17	-25.593	-71.930	63.059	1.00	0.00	N
ATOM	1100	C8	G B	17	-26.130	-71.862	64.249	1.00	0.00	C
ATOM	1101	N9	G B	17	-27.499	-71.691	64.241	1.00	0.00	N
ATOM	1102	C2'	G B	17	-28.092	-72.473	66.563	1.00	0.00	C
ATOM	1103	C3'	G B	17	-28.491	-71.613	67.752	1.00	0.00	C
ATOM	1104	O3'	G B	17	-29.885	-71.776	68.002	1.00	0.00	O
ATOM	1105	C4'	G B	17	-28.151	-70.201	67.278	1.00	0.00	C
ATOM	1106	O4'	G B	17	-28.408	-70.233	65.838	1.00	0.00	O
ATOM	1107	C5'	G B	17	-26.731	-69.740	67.505	1.00	0.00	C
ATOM	1108	O5'	G B	17	-25.819	-70.851	67.318	1.00	0.00	O
ATOM	1109	O1P	G B	17	-24.863	-71.213	69.619	1.00	0.00	O
ATOM	1110	O2P	G B	17	-23.529	-71.852	67.592	1.00	0.00	O
ATOM	1111	P	G B	17	-24.503	-70.924	68.218	1.00	0.00	P
ATOM	1112	H1	G B	17	-28.174	-71.597	59.279	1.00	0.00	H
ATOM	1113	H8	G B	17	-25.549	-71.934	65.168	1.00	0.00	H
ATOM	1114	H1'	G B	17	-29.448	-71.778	65.023	1.00	0.00	H
ATOM	1115	H21	G B	17	-30.347	-71.338	59.431	1.00	0.00	H
ATOM	1116	H3'	G B	17	-27.930	-71.871	68.650	1.00	0.00	H
ATOM	1117	H22	G B	17	-31.195	-71.240	61.000	1.00	0.00	H
ATOM	1118	H4'	G B	17	-28.811	-69.519	67.813	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-27.031	-72.723	66.593	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-28.648	-73.410	66.547	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-26.494	-68.946	66.798	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-26.638	-69.354	68.521	1.00	0.00	H
ATOM	1123	C1'	C B	18	-32.094	-74.295	63.441	1.00	0.00	C
ATOM	1124	N1	C B	18	-30.675	-74.548	63.063	1.00	0.00	N
ATOM	1125	C2	C B	18	-30.362	-74.599	61.706	1.00	0.00	C
ATOM	1126	O2	C B	18	-31.266	-74.432	60.878	1.00	0.00	O
ATOM	1127	N3	C B	18	-29.077	-74.829	61.343	1.00	0.00	N
ATOM	1128	C4	C B	18	-28.122	-75.005	62.264	1.00	0.00	C
ATOM	1129	N4	C B	18	-26.882	-75.224	61.851	1.00	0.00	N
ATOM	1130	C5	C B	18	-28.417	-74.961	63.664	1.00	0.00	C
ATOM	1131	C6	C B	18	-29.715	-74.726	64.008	1.00	0.00	C
ATOM	1132	C2'	C B	18	-32.555	-75.084	64.659	1.00	0.00	C
ATOM	1133	C3'	C B	18	-33.495	-74.099	65.337	1.00	0.00	C
ATOM	1134	O3'	C B	18	-34.787	-74.202	64.743	1.00	0.00	O
ATOM	1135	C4'	C B	18	-32.836	-72.751	65.055	1.00	0.00	C
ATOM	1136	O4'	C B	18	-32.219	-72.917	63.738	1.00	0.00	O

ATOM	1137	C5'	C B	18	-31.774	-72.305	66.033	1.00	0.00	C
ATOM	1138	O5'	C B	18	-31.010	-73.453	66.483	1.00	0.00	O
ATOM	1139	O1P	C B	18	-31.580	-73.609	68.930	1.00	0.00	O
ATOM	1140	O2P	C B	18	-29.378	-74.479	68.096	1.00	0.00	O
ATOM	1141	P	C B	18	-30.459	-73.469	67.978	1.00	0.00	P
ATOM	1142	H5	C B	18	-27.643	-75.107	64.418	1.00	0.00	H
ATOM	1143	H6	C B	18	-29.987	-74.680	65.062	1.00	0.00	H
ATOM	1144	H1'	C B	18	-32.720	-74.511	62.576	1.00	0.00	H
ATOM	1145	H3'	C B	18	-33.574	-74.282	66.408	1.00	0.00	H
ATOM	1146	H4'	C B	18	-33.628	-72.003	65.063	1.00	0.00	H
ATOM	1147	H41	C B	18	-26.127	-75.362	62.540	1.00	0.00	H
ATOM	1148	H42	C B	18	-26.672	-75.256	60.843	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-31.727	-75.355	65.313	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-33.071	-76.003	64.385	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-31.111	-71.592	65.542	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-32.251	-71.824	66.885	1.00	0.00	H
ATOM	1153	C1'	C B	19	-34.149	-77.119	59.930	1.00	0.00	C
ATOM	1154	N1	C B	19	-32.798	-77.440	60.465	1.00	0.00	N
ATOM	1155	C2	C B	19	-31.763	-77.635	59.552	1.00	0.00	C
ATOM	1156	O2	C B	19	-32.007	-77.533	58.343	1.00	0.00	O
ATOM	1157	N3	C B	19	-30.526	-77.929	60.020	1.00	0.00	N
ATOM	1158	C4	C B	19	-30.295	-78.033	61.336	1.00	0.00	C
ATOM	1159	N4	C B	19	-29.068	-78.321	61.738	1.00	0.00	N
ATOM	1160	C5	C B	19	-31.341	-77.839	62.294	1.00	0.00	C
ATOM	1161	C6	C B	19	-32.576	-77.543	61.802	1.00	0.00	C
ATOM	1162	C2'	C B	19	-35.286	-77.769	60.704	1.00	0.00	C
ATOM	1163	C3'	C B	19	-36.367	-76.700	60.637	1.00	0.00	C
ATOM	1164	O3'	C B	19	-37.083	-76.834	59.412	1.00	0.00	O
ATOM	1165	C4'	C B	19	-35.565	-75.402	60.698	1.00	0.00	C
ATOM	1166	O4'	C B	19	-34.317	-75.715	60.002	1.00	0.00	O
ATOM	1167	C5'	C B	19	-35.230	-74.884	62.078	1.00	0.00	C
ATOM	1168	O5'	C B	19	-34.957	-75.996	62.967	1.00	0.00	O
ATOM	1169	O1P	C B	19	-36.845	-75.891	64.628	1.00	0.00	O
ATOM	1170	O2P	C B	19	-34.642	-76.889	65.294	1.00	0.00	O
ATOM	1171	P	C B	19	-35.375	-75.873	64.500	1.00	0.00	P
ATOM	1172	H5	C B	19	-31.158	-77.925	63.365	1.00	0.00	H
ATOM	1173	H6	C B	19	-33.403	-77.385	62.494	1.00	0.00	H
ATOM	1174	H1'	C B	19	-34.176	-77.407	58.879	1.00	0.00	H
ATOM	1175	H3'	C B	19	-37.063	-76.771	61.473	1.00	0.00	H
ATOM	1176	H4'	C B	19	-36.156	-74.639	60.191	1.00	0.00	H
ATOM	1177	H41	C B	19	-28.861	-78.405	62.744	1.00	0.00	H
ATOM	1178	H42	C B	19	-28.317	-78.460	61.045	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-35.013	-77.991	61.735	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-35.620	-78.700	60.245	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-34.355	-74.238	62.015	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-36.073	-74.308	62.457	1.00	0.00	H
ATOM	1183	C1'	T B	20	-34.035	-80.232	56.084	1.00	0.00	C
ATOM	1184	N1	T B	20	-33.253	-80.532	57.312	1.00	0.00	N
ATOM	1185	C2	T B	20	-31.917	-80.836	57.150	1.00	0.00	C
ATOM	1186	O2	T B	20	-31.374	-80.865	56.059	1.00	0.00	O
ATOM	1187	N3	T B	20	-31.229	-81.108	58.318	1.00	0.00	N
ATOM	1188	C4	T B	20	-31.745	-81.103	59.595	1.00	0.00	C
ATOM	1189	O4	T B	20	-31.027	-81.366	60.568	1.00	0.00	O
ATOM	1190	C5	T B	20	-33.148	-80.774	59.665	1.00	0.00	C

ATOM	1191	C6	T B	20	-33.851	-80.503	58.548	1.00	0.00	C
ATOM	1192	C7	T B	20	-33.752	-80.756	61.037	1.00	0.00	C
ATOM	1193	C2'	T B	20	-35.459	-80.774	56.115	1.00	0.00	C
ATOM	1194	C3'	T B	20	-36.227	-79.691	55.372	1.00	0.00	C
ATOM	1195	O3'	T B	20	-36.135	-79.930	53.969	1.00	0.00	O
ATOM	1196	C4'	T B	20	-35.503	-78.413	55.790	1.00	0.00	C
ATOM	1197	O4'	T B	20	-34.108	-78.826	55.950	1.00	0.00	O
ATOM	1198	C5'	T B	20	-35.966	-77.768	57.075	1.00	0.00	C
ATOM	1199	O5'	T B	20	-36.329	-78.793	58.035	1.00	0.00	O
ATOM	1200	O1P	T B	20	-38.810	-78.477	58.314	1.00	0.00	O
ATOM	1201	O2P	T B	20	-37.451	-79.457	60.182	1.00	0.00	O
ATOM	1202	P	T B	20	-37.528	-78.507	59.046	1.00	0.00	P
ATOM	1203	H3	T B	20	-30.230	-81.337	58.224	1.00	0.00	H
ATOM	1204	H6	T B	20	-34.910	-80.257	58.626	1.00	0.00	H
ATOM	1205	H1'	T B	20	-33.488	-80.622	55.226	1.00	0.00	H
ATOM	1206	H3'	T B	20	-37.276	-79.662	55.664	1.00	0.00	H
ATOM	1207	H4'	T B	20	-35.645	-77.691	54.985	1.00	0.00	H
ATOM	1208	H3T	T B	20	-36.393	-80.810	53.687	1.00	0.00	H
ATOM	1209	H71	T B	20	-34.490	-81.553	61.121	1.00	0.00	H
ATOM	1210	H72	T B	20	-32.968	-80.908	61.781	1.00	0.00	H
ATOM	1211	H73	T B	20	-34.235	-79.794	61.211	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-35.831	-80.899	57.130	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-35.546	-81.737	55.612	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-35.162	-77.153	57.478	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-36.829	-77.137	56.866	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-58.491	-59.945	50.754	1.00	0.00	C
ATOM	2	N1	A A	1	-60.524	-59.680	55.459	1.00	0.00	N
ATOM	3	C2	A A	1	-60.802	-59.046	54.324	1.00	0.00	C
ATOM	4	N3	A A	1	-60.238	-59.165	53.141	1.00	0.00	N
ATOM	5	C4	A A	1	-59.248	-60.074	53.185	1.00	0.00	C
ATOM	6	C5	A A	1	-58.838	-60.806	54.264	1.00	0.00	C
ATOM	7	C6	A A	1	-59.532	-60.582	55.473	1.00	0.00	C
ATOM	8	N6	A A	1	-59.241	-61.228	56.616	1.00	0.00	N
ATOM	9	N7	A A	1	-57.788	-61.643	53.931	1.00	0.00	N
ATOM	10	C8	A A	1	-57.586	-61.401	52.670	1.00	0.00	C
ATOM	11	N9	A A	1	-58.434	-60.460	52.147	1.00	0.00	N
ATOM	12	C2'	A A	1	-57.125	-59.783	50.104	1.00	0.00	C
ATOM	13	C3'	A A	1	-57.417	-60.155	48.658	1.00	0.00	C
ATOM	14	O3'	A A	1	-57.914	-59.009	47.971	1.00	0.00	O
ATOM	15	C4'	A A	1	-58.474	-61.250	48.795	1.00	0.00	C
ATOM	16	O4'	A A	1	-59.238	-60.866	49.983	1.00	0.00	O
ATOM	17	C5'	A A	1	-57.961	-62.658	48.984	1.00	0.00	C
ATOM	18	O5'	A A	1	-56.766	-62.639	49.806	1.00	0.00	O
ATOM	19	H2	A A	1	-61.616	-58.323	54.380	1.00	0.00	H
ATOM	20	H8	A A	1	-56.814	-61.899	52.082	1.00	0.00	H
ATOM	21	H1'	A A	1	-59.034	-58.999	50.763	1.00	0.00	H
ATOM	22	H3'	A A	1	-56.529	-60.527	48.144	1.00	0.00	H
ATOM	23	H4'	A A	1	-59.068	-61.231	47.882	1.00	0.00	H
ATOM	24	H61	A A	1	-59.777	-61.029	57.469	1.00	0.00	H
ATOM	25	H62	A A	1	-58.480	-61.922	56.633	1.00	0.00	H
ATOM	26	H5T	A A	1	-56.076	-63.283	49.632	1.00	0.00	H
ATOM	27	H2'1	A A	1	-56.378	-60.445	50.540	1.00	0.00	H
ATOM	28	H2'2	A A	1	-56.747	-58.764	50.181	1.00	0.00	H

ATOM	29	H5'1	A A	1	-58.731	-63.257	49.469	1.00	0.00	H
ATOM	30	H5'2	A A	1	-57.731	-63.089	48.011	1.00	0.00	H
ATOM	31	C1'	G A	2	-59.336	-55.211	51.997	1.00	0.00	C
ATOM	32	N1	G A	2	-58.911	-56.962	56.769	1.00	0.00	N
ATOM	33	C2	G A	2	-59.814	-56.066	56.231	1.00	0.00	C
ATOM	34	N2	G A	2	-60.725	-55.569	57.075	1.00	0.00	N
ATOM	35	N3	G A	2	-59.811	-55.696	54.951	1.00	0.00	N
ATOM	36	C4	G A	2	-58.817	-56.293	54.243	1.00	0.00	C
ATOM	37	C5	G A	2	-57.868	-57.196	54.696	1.00	0.00	C
ATOM	38	C6	G A	2	-57.876	-57.592	56.055	1.00	0.00	C
ATOM	39	O6	G A	2	-57.125	-58.376	56.638	1.00	0.00	O
ATOM	40	N7	G A	2	-57.021	-57.572	53.651	1.00	0.00	N
ATOM	41	C8	G A	2	-57.475	-56.904	52.622	1.00	0.00	C
ATOM	42	N9	G A	2	-58.563	-56.104	52.902	1.00	0.00	N
ATOM	43	C2'	G A	2	-58.476	-54.485	50.971	1.00	0.00	C
ATOM	44	C3'	G A	2	-59.390	-54.450	49.758	1.00	0.00	C
ATOM	45	O3'	G A	2	-60.265	-53.328	49.863	1.00	0.00	O
ATOM	46	C4'	G A	2	-60.139	-55.778	49.858	1.00	0.00	C
ATOM	47	O4'	G A	2	-60.269	-56.011	51.296	1.00	0.00	O
ATOM	48	C5'	G A	2	-59.466	-56.976	49.231	1.00	0.00	C
ATOM	49	O5'	G A	2	-58.033	-56.890	49.424	1.00	0.00	O
ATOM	50	O1P	G A	2	-57.148	-56.603	47.085	1.00	0.00	O
ATOM	51	O2P	G A	2	-55.713	-57.666	48.847	1.00	0.00	O
ATOM	52	P	G A	2	-57.071	-57.457	48.286	1.00	0.00	P
ATOM	53	H1	G A	2	-59.001	-57.184	57.771	1.00	0.00	H
ATOM	54	H8	G A	2	-57.032	-56.973	51.629	1.00	0.00	H
ATOM	55	H1'	G A	2	-59.893	-54.503	52.610	1.00	0.00	H
ATOM	56	H21	G A	2	-60.723	-55.860	58.063	1.00	0.00	H
ATOM	57	H3'	G A	2	-58.829	-54.384	48.825	1.00	0.00	H
ATOM	58	H22	G A	2	-61.426	-54.894	56.736	1.00	0.00	H
ATOM	59	H4'	G A	2	-61.099	-55.638	49.362	1.00	0.00	H
ATOM	60	H2'1	G A	2	-57.551	-55.020	50.755	1.00	0.00	H
ATOM	61	H2'2	G A	2	-58.206	-53.480	51.295	1.00	0.00	H
ATOM	62	H5'1	G A	2	-59.847	-57.884	49.699	1.00	0.00	H
ATOM	63	H5'2	G A	2	-59.696	-56.999	48.166	1.00	0.00	H
ATOM	64	C1'	G A	3	-59.940	-51.488	55.206	1.00	0.00	C
ATOM	65	N1	G A	3	-57.156	-54.445	58.291	1.00	0.00	N
ATOM	66	C2	G A	3	-58.287	-53.700	58.561	1.00	0.00	C
ATOM	67	N2	G A	3	-58.737	-53.746	59.822	1.00	0.00	N
ATOM	68	N3	G A	3	-58.921	-52.968	57.649	1.00	0.00	N
ATOM	69	C4	G A	3	-58.325	-53.031	56.429	1.00	0.00	C
ATOM	70	C5	G A	3	-57.193	-53.745	56.068	1.00	0.00	C
ATOM	71	C6	G A	3	-56.523	-54.527	57.037	1.00	0.00	C
ATOM	72	O6	G A	3	-55.515	-55.223	56.911	1.00	0.00	O
ATOM	73	N7	G A	3	-56.907	-53.543	54.717	1.00	0.00	N
ATOM	74	C8	G A	3	-57.851	-52.736	54.310	1.00	0.00	C
ATOM	75	N9	G A	3	-58.751	-52.379	55.293	1.00	0.00	N
ATOM	76	C2'	G A	3	-59.737	-50.282	54.300	1.00	0.00	C
ATOM	77	C3'	G A	3	-61.113	-50.117	53.678	1.00	0.00	C
ATOM	78	O3'	G A	3	-61.938	-49.357	54.558	1.00	0.00	O
ATOM	79	C4'	G A	3	-61.598	-51.559	53.536	1.00	0.00	C
ATOM	80	O4'	G A	3	-61.012	-52.250	54.685	1.00	0.00	O
ATOM	81	C5'	G A	3	-61.186	-52.284	52.276	1.00	0.00	C
ATOM	82	O5'	G A	3	-59.847	-51.885	51.894	1.00	0.00	O

ATOM	83	O1P	G A	3	-60.199	-50.668	49.719	1.00	0.00	O
ATOM	84	O2P	G A	3	-58.010	-51.801	50.183	1.00	0.00	O
ATOM	85	P	G A	3	-59.484	-51.797	50.343	1.00	0.00	P
ATOM	86	H1	G A	3	-56.743	-54.982	59.069	1.00	0.00	H
ATOM	87	H8	G A	3	-57.923	-52.376	53.285	1.00	0.00	H
ATOM	88	H1'	G A	3	-60.209	-51.178	56.216	1.00	0.00	H
ATOM	89	H21	G A	3	-58.243	-54.318	60.523	1.00	0.00	H
ATOM	90	H3'	G A	3	-61.067	-49.621	52.708	1.00	0.00	H
ATOM	91	H22	G A	3	-59.574	-53.211	60.089	1.00	0.00	H
ATOM	92	H4'	G A	3	-62.687	-51.533	53.564	1.00	0.00	H
ATOM	93	H2'1	G A	3	-58.977	-50.459	53.540	1.00	0.00	H
ATOM	94	H2'2	G A	3	-59.444	-49.391	54.857	1.00	0.00	H
ATOM	95	H5'1	G A	3	-61.215	-53.358	52.456	1.00	0.00	H
ATOM	96	H5'2	G A	3	-61.887	-52.038	51.478	1.00	0.00	H
ATOM	97	C1'	C A	4	-59.318	-49.235	59.573	1.00	0.00	C
ATOM	98	N1	C A	4	-58.146	-49.765	58.821	1.00	0.00	N
ATOM	99	C2	C A	4	-57.261	-50.600	59.500	1.00	0.00	C
ATOM	100	O2	C A	4	-57.481	-50.866	60.688	1.00	0.00	O
ATOM	101	N3	C A	4	-56.189	-51.093	58.834	1.00	0.00	N
ATOM	102	C4	C A	4	-55.977	-50.786	57.548	1.00	0.00	C
ATOM	103	N4	C A	4	-54.913	-51.299	56.945	1.00	0.00	N
ATOM	104	C5	C A	4	-56.869	-49.927	56.828	1.00	0.00	C
ATOM	105	C6	C A	4	-57.943	-49.446	57.516	1.00	0.00	C
ATOM	106	C2'	C A	4	-59.675	-47.799	59.218	1.00	0.00	C
ATOM	107	C3'	C A	4	-61.194	-47.817	59.312	1.00	0.00	C
ATOM	108	O3'	C A	4	-61.581	-47.611	60.670	1.00	0.00	O
ATOM	109	C4'	C A	4	-61.548	-49.218	58.818	1.00	0.00	C
ATOM	110	O4'	C A	4	-60.432	-50.052	59.265	1.00	0.00	O
ATOM	111	C5'	C A	4	-61.705	-49.383	57.325	1.00	0.00	C
ATOM	112	O5'	C A	4	-60.742	-48.546	56.635	1.00	0.00	O
ATOM	113	O1P	C A	4	-62.181	-46.854	55.452	1.00	0.00	O
ATOM	114	O2P	C A	4	-59.931	-47.458	54.520	1.00	0.00	O
ATOM	115	P	C A	4	-61.154	-47.892	55.240	1.00	0.00	P
ATOM	116	H5	C A	4	-56.697	-49.671	55.781	1.00	0.00	H
ATOM	117	H6	C A	4	-58.653	-48.792	57.010	1.00	0.00	H
ATOM	118	H1'	C A	4	-59.112	-49.335	60.638	1.00	0.00	H
ATOM	119	H3'	C A	4	-61.650	-47.051	58.687	1.00	0.00	H
ATOM	120	H4'	C A	4	-62.496	-49.488	59.284	1.00	0.00	H
ATOM	121	H41	C A	4	-54.728	-51.080	55.955	1.00	0.00	H
ATOM	122	H42	C A	4	-54.272	-51.914	57.465	1.00	0.00	H
ATOM	123	H2'1	C A	4	-59.345	-47.525	58.217	1.00	0.00	H
ATOM	124	H2'2	C A	4	-59.242	-47.080	59.915	1.00	0.00	H
ATOM	125	H5'1	C A	4	-61.543	-50.427	57.059	1.00	0.00	H
ATOM	126	H5'2	C A	4	-62.716	-49.093	57.037	1.00	0.00	H
ATOM	127	C1'	C A	5	-56.933	-48.356	63.824	1.00	0.00	C
ATOM	128	N1	C A	5	-56.208	-48.298	62.524	1.00	0.00	N
ATOM	129	C2	C A	5	-55.034	-49.036	62.401	1.00	0.00	C
ATOM	130	O2	C A	5	-54.641	-49.704	63.367	1.00	0.00	O
ATOM	131	N3	C A	5	-54.358	-48.997	61.225	1.00	0.00	N
ATOM	132	C4	C A	5	-54.805	-48.265	60.199	1.00	0.00	C
ATOM	133	N4	C A	5	-54.109	-48.266	59.073	1.00	0.00	N
ATOM	134	C5	C A	5	-56.010	-47.495	60.299	1.00	0.00	C
ATOM	135	C6	C A	5	-56.674	-47.552	61.489	1.00	0.00	C
ATOM	136	C2'	C A	5	-57.552	-47.029	64.240	1.00	0.00	C

ATOM	137	C3'	C A	5	-58.836	-47.478	64.918	1.00	0.00	C
ATOM	138	O3'	C A	5	-58.558	-47.809	66.277	1.00	0.00	O
ATOM	139	C4'	C A	5	-59.246	-48.698	64.098	1.00	0.00	C
ATOM	140	O4'	C A	5	-57.978	-49.303	63.692	1.00	0.00	O
ATOM	141	C5'	C A	5	-60.071	-48.430	62.861	1.00	0.00	C
ATOM	142	O5'	C A	5	-59.630	-47.198	62.235	1.00	0.00	O
ATOM	143	O1P	C A	5	-61.610	-45.669	62.501	1.00	0.00	O
ATOM	144	O2P	C A	5	-60.018	-45.339	60.591	1.00	0.00	O
ATOM	145	P	C A	5	-60.710	-46.280	61.505	1.00	0.00	P
ATOM	146	H5	C A	5	-56.377	-46.893	59.467	1.00	0.00	H
ATOM	147	H6	C A	5	-57.598	-46.986	61.612	1.00	0.00	H
ATOM	148	H1'	C A	5	-56.242	-48.722	64.583	1.00	0.00	H
ATOM	149	H3'	C A	5	-59.606	-46.705	64.887	1.00	0.00	H
ATOM	150	H4'	C A	5	-59.833	-49.340	64.756	1.00	0.00	H
ATOM	151	H41	C A	5	-54.431	-47.712	58.266	1.00	0.00	H
ATOM	152	H42	C A	5	-53.241	-48.819	59.003	1.00	0.00	H
ATOM	153	H2'1	C A	5	-57.758	-46.382	63.388	1.00	0.00	H
ATOM	154	H2'2	C A	5	-56.912	-46.472	64.928	1.00	0.00	H
ATOM	155	H5'1	C A	5	-59.953	-49.260	62.164	1.00	0.00	H
ATOM	156	H5'2	C A	5	-61.120	-48.346	63.144	1.00	0.00	H
ATOM	157	C1'	G A	6	-52.925	-48.231	66.730	1.00	0.00	C
ATOM	158	N1	G A	6	-50.421	-47.851	62.302	1.00	0.00	N
ATOM	159	C2	G A	6	-50.131	-48.607	63.424	1.00	0.00	C
ATOM	160	N2	G A	6	-49.025	-49.358	63.359	1.00	0.00	N
ATOM	161	N3	G A	6	-50.883	-48.610	64.523	1.00	0.00	N
ATOM	162	C4	G A	6	-51.958	-47.786	64.415	1.00	0.00	C
ATOM	163	C5	G A	6	-52.325	-46.995	63.340	1.00	0.00	C
ATOM	164	C6	G A	6	-51.529	-46.993	62.172	1.00	0.00	C
ATOM	165	O6	G A	6	-51.688	-46.364	61.125	1.00	0.00	O
ATOM	166	N7	G A	6	-53.497	-46.295	63.633	1.00	0.00	N
ATOM	167	C8	G A	6	-53.800	-46.677	64.845	1.00	0.00	C
ATOM	168	N9	G A	6	-52.911	-47.583	65.390	1.00	0.00	N
ATOM	169	C2'	G A	6	-53.401	-47.315	67.849	1.00	0.00	C
ATOM	170	C3'	G A	6	-54.160	-48.279	68.747	1.00	0.00	C
ATOM	171	O3'	G A	6	-53.242	-48.924	69.625	1.00	0.00	O
ATOM	172	C4'	G A	6	-54.787	-49.251	67.749	1.00	0.00	C
ATOM	173	O4'	G A	6	-53.808	-49.335	66.666	1.00	0.00	O
ATOM	174	C5'	G A	6	-56.120	-48.847	67.165	1.00	0.00	C
ATOM	175	O5'	G A	6	-56.153	-47.413	66.959	1.00	0.00	O
ATOM	176	O1P	G A	6	-57.911	-46.632	68.581	1.00	0.00	O
ATOM	177	O2P	G A	6	-57.454	-45.313	66.496	1.00	0.00	O
ATOM	178	P	G A	6	-57.534	-46.640	67.156	1.00	0.00	P
ATOM	179	H1	G A	6	-49.777	-47.925	61.499	1.00	0.00	H
ATOM	180	H8	G A	6	-54.675	-46.314	65.383	1.00	0.00	H
ATOM	181	H1'	G A	6	-51.924	-48.612	66.935	1.00	0.00	H
ATOM	182	H21	G A	6	-48.449	-49.353	62.505	1.00	0.00	H
ATOM	183	H3'	G A	6	-54.927	-47.772	69.336	1.00	0.00	H
ATOM	184	H22	G A	6	-48.751	-49.941	64.164	1.00	0.00	H
ATOM	185	H4'	G A	6	-54.925	-50.196	68.272	1.00	0.00	H
ATOM	186	H2'1	G A	6	-54.050	-46.517	67.484	1.00	0.00	H
ATOM	187	H2'2	G A	6	-52.573	-46.845	68.380	1.00	0.00	H
ATOM	188	H5'1	G A	6	-56.265	-49.359	66.214	1.00	0.00	H
ATOM	189	H5'2	G A	6	-56.915	-49.139	67.852	1.00	0.00	H
ATOM	190	C1'	C A	7	-48.054	-47.951	67.580	1.00	0.00	C

ATOM	191	N1	C A	7	-48.730	-46.944	66.718	1.00	0.00	N
ATOM	192	C2	C A	7	-48.190	-46.698	65.457	1.00	0.00	C
ATOM	193	O2	C A	7	-47.179	-47.321	65.108	1.00	0.00	O
ATOM	194	N3	C A	7	-48.790	-45.785	64.655	1.00	0.00	N
ATOM	195	C4	C A	7	-49.883	-45.125	65.061	1.00	0.00	C
ATOM	196	N4	C A	7	-50.430	-44.244	64.236	1.00	0.00	N
ATOM	197	C5	C A	7	-50.458	-45.354	66.354	1.00	0.00	C
ATOM	198	C6	C A	7	-49.839	-46.282	67.143	1.00	0.00	C
ATOM	199	C2'	C A	7	-48.032	-47.580	69.056	1.00	0.00	C
ATOM	200	C3'	C A	7	-48.189	-48.936	69.727	1.00	0.00	C
ATOM	201	O3'	C A	7	-46.909	-49.556	69.833	1.00	0.00	O
ATOM	202	C4'	C A	7	-49.116	-49.683	68.771	1.00	0.00	C
ATOM	203	O4'	C A	7	-48.758	-49.172	67.447	1.00	0.00	O
ATOM	204	C5'	C A	7	-50.600	-49.481	68.980	1.00	0.00	C
ATOM	205	O5'	C A	7	-50.857	-48.113	69.385	1.00	0.00	O
ATOM	206	O1P	C A	7	-51.715	-48.353	71.739	1.00	0.00	O
ATOM	207	O2P	C A	7	-52.411	-46.388	70.343	1.00	0.00	O
ATOM	208	P	C A	7	-52.051	-47.825	70.401	1.00	0.00	P
ATOM	209	H5	C A	7	-51.344	-44.815	66.693	1.00	0.00	H
ATOM	210	H6	C A	7	-50.244	-46.497	68.133	1.00	0.00	H
ATOM	211	H1'	C A	7	-47.044	-48.103	67.200	1.00	0.00	H
ATOM	212	H3'	C A	7	-48.633	-48.851	70.720	1.00	0.00	H
ATOM	213	H4'	C A	7	-48.905	-50.745	68.890	1.00	0.00	H
ATOM	214	H41	C A	7	-51.273	-43.726	64.522	1.00	0.00	H
ATOM	215	H42	C A	7	-50.015	-44.079	63.308	1.00	0.00	H
ATOM	216	H2'1	C A	7	-48.846	-46.908	69.327	1.00	0.00	H
ATOM	217	H2'2	C A	7	-47.099	-47.097	69.348	1.00	0.00	H
ATOM	218	H5'1	C A	7	-51.125	-49.695	68.048	1.00	0.00	H
ATOM	219	H5'2	C A	7	-50.948	-50.165	69.752	1.00	0.00	H
ATOM	220	C1'	A A	8	-43.402	-46.683	66.462	1.00	0.00	C
ATOM	221	N1	A A	8	-45.680	-43.084	63.597	1.00	0.00	N
ATOM	222	C2	A A	8	-44.645	-43.889	63.373	1.00	0.00	C
ATOM	223	N3	A A	8	-44.108	-44.800	64.157	1.00	0.00	N
ATOM	224	C4	A A	8	-44.765	-44.847	65.331	1.00	0.00	C
ATOM	225	C5	A A	8	-45.839	-44.095	65.716	1.00	0.00	C
ATOM	226	C6	A A	8	-46.316	-43.157	64.777	1.00	0.00	C
ATOM	227	N6	A A	8	-47.362	-42.348	65.013	1.00	0.00	N
ATOM	228	N7	A A	8	-46.248	-44.424	66.996	1.00	0.00	N
ATOM	229	C8	A A	8	-45.418	-45.359	67.358	1.00	0.00	C
ATOM	230	N9	A A	8	-44.490	-45.671	66.397	1.00	0.00	N
ATOM	231	C2'	A A	8	-42.742	-46.786	67.831	1.00	0.00	C
ATOM	232	C3'	A A	8	-42.442	-48.274	67.925	1.00	0.00	C
ATOM	233	O3'	A A	8	-41.203	-48.542	67.272	1.00	0.00	O
ATOM	234	C4'	A A	8	-43.627	-48.908	67.198	1.00	0.00	C
ATOM	235	O4'	A A	8	-43.965	-47.941	66.150	1.00	0.00	O
ATOM	236	C5'	A A	8	-44.859	-49.173	68.030	1.00	0.00	C
ATOM	237	O5'	A A	8	-45.035	-48.109	68.999	1.00	0.00	O
ATOM	238	O1P	A A	8	-44.690	-49.270	71.205	1.00	0.00	O
ATOM	239	O2P	A A	8	-46.137	-47.224	71.076	1.00	0.00	O
ATOM	240	P	A A	8	-45.651	-48.466	70.426	1.00	0.00	P
ATOM	241	H2	A A	8	-44.172	-43.778	62.399	1.00	0.00	H
ATOM	242	H8	A A	8	-45.455	-45.848	68.330	1.00	0.00	H
ATOM	243	H1'	A A	8	-42.669	-46.444	65.692	1.00	0.00	H
ATOM	244	H3'	A A	8	-42.386	-48.615	68.958	1.00	0.00	H

ATOM	245	H4'	A A	8	-43.281	-49.862	66.801	1.00	0.00	H
ATOM	246	H61	A A	8	-47.672	-41.682	64.292	1.00	0.00	H
ATOM	247	H62	A A	8	-47.854	-42.396	65.918	1.00	0.00	H
ATOM	248	H2'1	A A	8	-43.403	-46.464	68.634	1.00	0.00	H
ATOM	249	H2'2	A A	8	-41.830	-46.192	67.895	1.00	0.00	H
ATOM	250	H5'1	A A	8	-45.729	-49.220	67.373	1.00	0.00	H
ATOM	251	H5'2	A A	8	-44.746	-50.125	68.545	1.00	0.00	H
ATOM	252	C1'	C A	9	-39.990	-43.913	64.149	1.00	0.00	C
ATOM	253	N1	C A	9	-41.068	-43.268	64.947	1.00	0.00	N
ATOM	254	C2	C A	9	-41.813	-42.257	64.344	1.00	0.00	C
ATOM	255	O2	C A	9	-41.549	-41.939	63.176	1.00	0.00	O
ATOM	256	N3	C A	9	-42.799	-41.658	65.053	1.00	0.00	N
ATOM	257	C4	C A	9	-43.059	-42.024	66.315	1.00	0.00	C
ATOM	258	N4	C A	9	-44.037	-41.406	66.961	1.00	0.00	N
ATOM	259	C5	C A	9	-42.307	-43.058	66.964	1.00	0.00	C
ATOM	260	C6	C A	9	-41.321	-43.652	66.228	1.00	0.00	C
ATOM	261	C2'	C A	9	-38.746	-44.251	64.958	1.00	0.00	C
ATOM	262	C3'	C A	9	-38.294	-45.556	64.316	1.00	0.00	C
ATOM	263	O3'	C A	9	-37.505	-45.262	63.166	1.00	0.00	O
ATOM	264	C4'	C A	9	-39.615	-46.230	63.952	1.00	0.00	C
ATOM	265	O4'	C A	9	-40.509	-45.120	63.620	1.00	0.00	O
ATOM	266	C5'	C A	9	-40.264	-47.063	65.033	1.00	0.00	C
ATOM	267	O5'	C A	9	-40.051	-46.442	66.326	1.00	0.00	O
ATOM	268	O1P	C A	9	-38.576	-48.089	67.528	1.00	0.00	O
ATOM	269	O2P	C A	9	-40.094	-46.579	68.835	1.00	0.00	O
ATOM	270	P	C A	9	-39.865	-47.376	67.605	1.00	0.00	P
ATOM	271	H5	C A	9	-42.512	-43.356	67.994	1.00	0.00	H
ATOM	272	H6	C A	9	-40.728	-44.448	66.676	1.00	0.00	H
ATOM	273	H1'	C A	9	-39.746	-43.258	63.313	1.00	0.00	H
ATOM	274	H3'	C A	9	-37.716	-46.170	65.006	1.00	0.00	H
ATOM	275	H4'	C A	9	-39.414	-46.884	63.104	1.00	0.00	H
ATOM	276	H41	C A	9	-44.261	-41.671	67.932	1.00	0.00	H
ATOM	277	H42	C A	9	-44.575	-40.662	66.493	1.00	0.00	H
ATOM	278	H2'1	C A	9	-38.964	-44.387	66.017	1.00	0.00	H
ATOM	279	H2'2	C A	9	-37.978	-43.481	64.878	1.00	0.00	H
ATOM	280	H5'1	C A	9	-41.333	-47.142	64.833	1.00	0.00	H
ATOM	281	H5'2	C A	9	-39.825	-48.061	65.026	1.00	0.00	H
ATOM	282	C1'	C A	10	-38.333	-39.785	61.972	1.00	0.00	C
ATOM	283	N1	C A	10	-38.964	-39.728	63.319	1.00	0.00	N
ATOM	284	C2	C A	10	-39.998	-38.815	63.515	1.00	0.00	C
ATOM	285	O2	C A	10	-40.348	-38.094	62.570	1.00	0.00	O
ATOM	286	N3	C A	10	-40.588	-38.747	64.733	1.00	0.00	N
ATOM	287	C4	C A	10	-40.188	-39.539	65.737	1.00	0.00	C
ATOM	288	N4	C A	10	-40.801	-39.433	66.907	1.00	0.00	N
ATOM	289	C5	C A	10	-39.124	-40.484	65.565	1.00	0.00	C
ATOM	290	C6	C A	10	-38.549	-40.540	64.327	1.00	0.00	C
ATOM	291	C2'	C A	10	-36.828	-40.015	62.010	1.00	0.00	C
ATOM	292	C3'	C A	10	-36.610	-40.889	60.783	1.00	0.00	C
ATOM	293	O3'	C A	10	-36.486	-40.057	59.633	1.00	0.00	O
ATOM	294	C4'	C A	10	-37.876	-41.742	60.745	1.00	0.00	C
ATOM	295	O4'	C A	10	-38.922	-40.862	61.265	1.00	0.00	O
ATOM	296	C5'	C A	10	-37.857	-43.009	61.569	1.00	0.00	C
ATOM	297	O5'	C A	10	-37.121	-42.783	62.798	1.00	0.00	O
ATOM	298	O1P	C A	10	-35.104	-44.267	62.551	1.00	0.00	O

ATOM	299	O2P	C	A	10	-35.966	-43.692	64.835	1.00	0.00	O
ATOM	300	P	C	A	10	-36.268	-43.981	63.412	1.00	0.00	P
ATOM	301	H5	C	A	10	-38.791	-41.128	66.380	1.00	0.00	H
ATOM	302	H6	C	A	10	-37.741	-41.248	64.145	1.00	0.00	H
ATOM	303	H1'	C	A	10	-38.575	-38.864	61.442	1.00	0.00	H
ATOM	304	H3'	C	A	10	-35.719	-41.509	60.878	1.00	0.00	H
ATOM	305	H4'	C	A	10	-38.035	-42.026	59.704	1.00	0.00	H
ATOM	306	H41	C	A	10	-40.515	-40.032	67.695	1.00	0.00	H
ATOM	307	H42	C	A	10	-41.564	-38.750	67.029	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-36.509	-40.523	62.918	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-36.266	-39.083	61.938	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-38.882	-43.300	61.802	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-37.380	-43.802	60.994	1.00	0.00	H
ATOM	312	C1'	T	A	11	-38.286	-34.910	61.119	1.00	0.00	C
ATOM	313	N1	T	A	11	-38.228	-35.424	62.513	1.00	0.00	N
ATOM	314	C2	T	A	11	-39.136	-34.904	63.414	1.00	0.00	C
ATOM	315	O2	T	A	11	-39.959	-34.058	63.108	1.00	0.00	O
ATOM	316	N3	T	A	11	-39.049	-35.410	64.698	1.00	0.00	N
ATOM	317	C4	T	A	11	-38.156	-36.362	65.147	1.00	0.00	C
ATOM	318	O4	T	A	11	-38.170	-36.736	66.327	1.00	0.00	O
ATOM	319	C5	T	A	11	-37.247	-36.845	64.134	1.00	0.00	C
ATOM	320	C6	T	A	11	-37.305	-36.375	62.873	1.00	0.00	C
ATOM	321	C7	T	A	11	-36.260	-37.883	64.578	1.00	0.00	C
ATOM	322	C2'	T	A	11	-36.918	-34.747	60.468	1.00	0.00	C
ATOM	323	C3'	T	A	11	-37.206	-35.123	59.024	1.00	0.00	C
ATOM	324	O3'	T	A	11	-37.706	-33.980	58.332	1.00	0.00	O
ATOM	325	C4'	T	A	11	-38.259	-36.219	59.162	1.00	0.00	C
ATOM	326	O4'	T	A	11	-39.027	-35.835	60.347	1.00	0.00	O
ATOM	327	C5'	T	A	11	-37.744	-37.627	59.356	1.00	0.00	C
ATOM	328	O5'	T	A	11	-36.550	-37.602	60.178	1.00	0.00	O
ATOM	329	O1P	T	A	11	-34.743	-38.373	58.607	1.00	0.00	O
ATOM	330	O2P	T	A	11	-34.506	-38.756	61.076	1.00	0.00	O
ATOM	331	P	T	A	11	-35.400	-38.668	59.895	1.00	0.00	P
ATOM	332	H3	T	A	11	-39.717	-35.041	65.388	1.00	0.00	H
ATOM	333	H6	T	A	11	-36.608	-36.755	62.124	1.00	0.00	H
ATOM	334	H1'	T	A	11	-38.829	-33.965	61.124	1.00	0.00	H
ATOM	335	H3'	T	A	11	-36.317	-35.492	58.513	1.00	0.00	H
ATOM	336	H4'	T	A	11	-38.854	-36.206	58.247	1.00	0.00	H
ATOM	337	H71	T	A	11	-35.252	-37.475	64.518	1.00	0.00	H
ATOM	338	H72	T	A	11	-36.475	-38.171	65.608	1.00	0.00	H
ATOM	339	H73	T	A	11	-36.338	-38.759	63.934	1.00	0.00	H
ATOM	340	H2'1	T	A	11	-36.170	-35.405	60.907	1.00	0.00	H
ATOM	341	H2'2	T	A	11	-36.542	-33.726	60.545	1.00	0.00	H
ATOM	342	H5'1	T	A	11	-38.514	-38.227	59.840	1.00	0.00	H
ATOM	343	H5'2	T	A	11	-37.511	-38.059	58.383	1.00	0.00	H
ATOM	344	C1'	A	A	12	-39.125	-30.173	62.337	1.00	0.00	C
ATOM	345	N1	A	A	12	-38.720	-31.918	67.146	1.00	0.00	N
ATOM	346	C2	A	A	12	-39.557	-31.064	66.567	1.00	0.00	C
ATOM	347	N3	A	A	12	-39.609	-30.658	65.316	1.00	0.00	N
ATOM	348	C4	A	A	12	-38.632	-31.242	64.599	1.00	0.00	C
ATOM	349	C5	A	A	12	-37.695	-32.133	65.038	1.00	0.00	C
ATOM	350	C6	A	A	12	-37.756	-32.485	66.403	1.00	0.00	C
ATOM	351	N6	A	A	12	-36.901	-33.350	66.977	1.00	0.00	N
ATOM	352	N7	A	A	12	-36.852	-32.519	64.012	1.00	0.00	N

ATOM	353	C8	A	A	12	-37.288	-31.855	62.982	1.00	0.00	C
ATOM	354	N9	A	A	12	-38.370	-31.059	63.262	1.00	0.00	N
ATOM	355	C2'	A	A	12	-38.247	-29.464	61.315	1.00	0.00	C
ATOM	356	C3'	A	A	12	-39.147	-29.436	60.089	1.00	0.00	C
ATOM	357	O3'	A	A	12	-40.016	-28.308	60.172	1.00	0.00	O
ATOM	358	C4'	A	A	12	-39.906	-30.758	60.193	1.00	0.00	C
ATOM	359	O4'	A	A	12	-40.053	-30.976	61.634	1.00	0.00	O
ATOM	360	C5'	A	A	12	-39.232	-31.966	59.588	1.00	0.00	C
ATOM	361	O5'	A	A	12	-37.799	-31.887	59.798	1.00	0.00	O
ATOM	362	O1P	A	A	12	-36.883	-31.629	57.467	1.00	0.00	O
ATOM	363	O2P	A	A	12	-35.477	-32.682	59.259	1.00	0.00	O
ATOM	364	P	A	A	12	-36.826	-32.471	58.678	1.00	0.00	P
ATOM	365	H2	A	A	12	-40.313	-30.637	67.226	1.00	0.00	H
ATOM	366	H8	A	A	12	-36.839	-31.923	61.991	1.00	0.00	H
ATOM	367	H1'	A	A	12	-39.687	-29.455	62.934	1.00	0.00	H
ATOM	368	H3'	A	A	12	-38.576	-29.382	59.163	1.00	0.00	H
ATOM	369	H4'	A	A	12	-40.858	-30.616	59.683	1.00	0.00	H
ATOM	370	H61	A	A	12	-36.990	-33.575	67.977	1.00	0.00	H
ATOM	371	H62	A	A	12	-36.157	-33.788	66.413	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-37.323	-30.005	61.116	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-37.976	-28.457	61.631	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-39.623	-32.867	60.061	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-39.447	-32.000	58.521	1.00	0.00	H
ATOM	376	C1'	G	A	13	-39.733	-26.454	65.570	1.00	0.00	C
ATOM	377	N1	G	A	13	-36.948	-29.412	68.655	1.00	0.00	N
ATOM	378	C2	G	A	13	-38.081	-28.666	68.926	1.00	0.00	C
ATOM	379	N2	G	A	13	-38.531	-28.710	70.188	1.00	0.00	N
ATOM	380	N3	G	A	13	-38.714	-27.933	68.012	1.00	0.00	N
ATOM	381	C4	G	A	13	-38.117	-27.997	66.793	1.00	0.00	C
ATOM	382	C5	G	A	13	-36.987	-28.711	66.432	1.00	0.00	C
ATOM	383	C6	G	A	13	-36.315	-29.493	67.402	1.00	0.00	C
ATOM	384	O6	G	A	13	-35.306	-30.187	67.274	1.00	0.00	O
ATOM	385	N7	G	A	13	-36.699	-28.509	65.081	1.00	0.00	N
ATOM	386	C8	G	A	13	-37.644	-27.702	64.674	1.00	0.00	C
ATOM	387	N9	G	A	13	-38.543	-27.346	65.658	1.00	0.00	N
ATOM	388	C2'	G	A	13	-39.531	-25.248	64.664	1.00	0.00	C
ATOM	389	C3'	G	A	13	-40.907	-25.083	64.041	1.00	0.00	C
ATOM	390	O3'	G	A	13	-41.731	-24.323	64.921	1.00	0.00	O
ATOM	391	C4'	G	A	13	-41.391	-26.525	63.899	1.00	0.00	C
ATOM	392	O4'	G	A	13	-40.805	-27.216	65.049	1.00	0.00	O
ATOM	393	C5'	G	A	13	-40.979	-27.250	62.640	1.00	0.00	C
ATOM	394	O5'	G	A	13	-39.640	-26.851	62.259	1.00	0.00	O
ATOM	395	O1P	G	A	13	-39.992	-25.634	60.083	1.00	0.00	O
ATOM	396	O2P	G	A	13	-37.802	-26.767	60.546	1.00	0.00	O
ATOM	397	P	G	A	13	-39.277	-26.763	60.707	1.00	0.00	P
ATOM	398	H1	G	A	13	-36.537	-29.952	69.433	1.00	0.00	H
ATOM	399	H8	G	A	13	-37.716	-27.341	63.648	1.00	0.00	H
ATOM	400	H1'	G	A	13	-40.002	-26.144	66.580	1.00	0.00	H
ATOM	401	H21	G	A	13	-38.036	-29.283	70.888	1.00	0.00	H
ATOM	402	H3'	G	A	13	-40.860	-24.587	63.071	1.00	0.00	H
ATOM	403	H22	G	A	13	-39.367	-28.175	70.453	1.00	0.00	H
ATOM	404	H4'	G	A	13	-42.479	-26.499	63.929	1.00	0.00	H
ATOM	405	H2'1	G	A	13	-38.770	-25.425	63.904	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-39.237	-24.357	65.221	1.00	0.00	H

ATOM	407	H5'1	G A	13	-41.007	-28.324	62.820	1.00	0.00	H
ATOM	408	H5'2	G A	13	-41.679	-27.004	61.841	1.00	0.00	H
ATOM	409	C1'	G A	14	-39.110	-24.201	69.937	1.00	0.00	C
ATOM	410	N1	G A	14	-34.932	-27.117	70.205	1.00	0.00	N
ATOM	411	C2	G A	14	-35.871	-26.818	71.176	1.00	0.00	C
ATOM	412	N2	G A	14	-35.668	-27.365	72.381	1.00	0.00	N
ATOM	413	N3	G A	14	-36.927	-26.034	70.964	1.00	0.00	N
ATOM	414	C4	G A	14	-36.969	-25.561	69.691	1.00	0.00	C
ATOM	415	C5	G A	14	-36.079	-25.803	68.659	1.00	0.00	C
ATOM	416	C6	G A	14	-34.960	-26.636	68.882	1.00	0.00	C
ATOM	417	O6	G A	14	-34.068	-26.966	68.100	1.00	0.00	O
ATOM	418	N7	G A	14	-36.483	-25.124	67.506	1.00	0.00	N
ATOM	419	C8	G A	14	-37.580	-24.512	67.867	1.00	0.00	C
ATOM	420	N9	G A	14	-37.940	-24.728	69.181	1.00	0.00	N
ATOM	421	C2'	G A	14	-39.474	-22.766	69.582	1.00	0.00	C
ATOM	422	C3'	G A	14	-40.991	-22.788	69.683	1.00	0.00	C
ATOM	423	O3'	G A	14	-41.373	-22.582	71.041	1.00	0.00	O
ATOM	424	C4'	G A	14	-41.343	-24.190	69.190	1.00	0.00	C
ATOM	425	O4'	G A	14	-40.222	-25.021	69.633	1.00	0.00	O
ATOM	426	C5'	G A	14	-41.505	-24.356	67.697	1.00	0.00	C
ATOM	427	O5'	G A	14	-40.548	-23.518	67.004	1.00	0.00	O
ATOM	428	O1P	G A	14	-41.995	-21.830	65.826	1.00	0.00	O
ATOM	429	O2P	G A	14	-39.749	-22.428	64.884	1.00	0.00	O
ATOM	430	P	G A	14	-40.967	-22.865	65.611	1.00	0.00	P
ATOM	431	H1	G A	14	-34.155	-27.741	70.471	1.00	0.00	H
ATOM	432	H8	G A	14	-38.160	-23.885	67.189	1.00	0.00	H
ATOM	433	H1'	G A	14	-38.900	-24.300	71.001	1.00	0.00	H
ATOM	434	H21	G A	14	-34.850	-27.974	72.538	1.00	0.00	H
ATOM	435	H3'	G A	14	-41.452	-22.024	69.058	1.00	0.00	H
ATOM	436	H22	G A	14	-36.328	-27.181	73.149	1.00	0.00	H
ATOM	437	H4'	G A	14	-42.287	-24.464	69.661	1.00	0.00	H
ATOM	438	H2'1	G A	14	-39.147	-22.492	68.579	1.00	0.00	H
ATOM	439	H2'2	G A	14	-39.040	-22.046	70.276	1.00	0.00	H
ATOM	440	H5'1	G A	14	-41.342	-25.400	67.433	1.00	0.00	H
ATOM	441	H5'2	G A	14	-42.519	-24.070	67.414	1.00	0.00	H
ATOM	442	C1'	A A	15	-36.746	-23.311	74.193	1.00	0.00	C
ATOM	443	N1	A A	15	-32.643	-24.976	71.598	1.00	0.00	N
ATOM	444	C2	A A	15	-33.076	-25.200	72.836	1.00	0.00	C
ATOM	445	N3	A A	15	-34.148	-24.739	73.445	1.00	0.00	N
ATOM	446	C4	A A	15	-34.840	-23.932	72.619	1.00	0.00	C
ATOM	447	C5	A A	15	-34.533	-23.600	71.329	1.00	0.00	C
ATOM	448	C6	A A	15	-33.355	-24.166	70.798	1.00	0.00	C
ATOM	449	N6	A A	15	-32.927	-23.931	69.547	1.00	0.00	N
ATOM	450	N7	A A	15	-35.480	-22.744	70.794	1.00	0.00	N
ATOM	451	C8	A A	15	-36.329	-22.574	71.763	1.00	0.00	C
ATOM	452	N9	A A	15	-36.007	-23.267	72.903	1.00	0.00	N
ATOM	453	C2'	A A	15	-37.368	-21.978	74.591	1.00	0.00	C
ATOM	454	C3'	A A	15	-38.660	-22.418	75.261	1.00	0.00	C
ATOM	455	O3'	A A	15	-38.394	-22.737	76.623	1.00	0.00	O
ATOM	456	C4'	A A	15	-39.063	-23.648	74.448	1.00	0.00	C
ATOM	457	O4'	A A	15	-37.789	-24.258	74.061	1.00	0.00	O
ATOM	458	C5'	A A	15	-39.875	-23.393	73.201	1.00	0.00	C
ATOM	459	O5'	A A	15	-39.427	-22.168	72.566	1.00	0.00	O
ATOM	460	O1P	A A	15	-41.409	-20.633	72.797	1.00	0.00	O

ATOM	461	O2P	A	A	15	-39.796	-20.324	70.899	1.00	0.00	O
ATOM	462	P	A	A	15	-40.498	-21.255	71.815	1.00	0.00	P
ATOM	463	H2	A	A	15	-32.450	-25.863	73.435	1.00	0.00	H
ATOM	464	H8	A	A	15	-37.213	-21.943	71.680	1.00	0.00	H
ATOM	465	H1'	A	A	15	-36.064	-23.669	74.964	1.00	0.00	H
ATOM	466	H3'	A	A	15	-39.429	-21.647	75.213	1.00	0.00	H
ATOM	467	H4'	A	A	15	-39.655	-24.282	75.108	1.00	0.00	H
ATOM	468	H61	A	A	15	-32.060	-24.374	69.208	1.00	0.00	H
ATOM	469	H62	A	A	15	-33.467	-23.309	68.926	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-37.565	-21.341	73.728	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-36.737	-21.416	75.278	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-39.750	-24.230	72.515	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-40.926	-23.303	73.470	1.00	0.00	H
ATOM	474	C1'	C	A	16	-32.718	-23.198	77.094	1.00	0.00	C
ATOM	475	N1	C	A	16	-32.698	-22.553	75.753	1.00	0.00	N
ATOM	476	C2	C	A	16	-31.656	-22.877	74.888	1.00	0.00	C
ATOM	477	O2	C	A	16	-30.794	-23.681	75.268	1.00	0.00	O
ATOM	478	N3	C	A	16	-31.619	-22.300	73.662	1.00	0.00	N
ATOM	479	C4	C	A	16	-32.565	-21.433	73.281	1.00	0.00	C
ATOM	480	N4	C	A	16	-32.482	-20.903	72.069	1.00	0.00	N
ATOM	481	C5	C	A	16	-33.648	-21.077	74.150	1.00	0.00	C
ATOM	482	C6	C	A	16	-33.668	-21.673	75.380	1.00	0.00	C
ATOM	483	C2'	C	A	16	-33.190	-22.277	78.211	1.00	0.00	C
ATOM	484	C3'	C	A	16	-33.956	-23.237	79.109	1.00	0.00	C
ATOM	485	O3'	C	A	16	-33.042	-23.884	79.990	1.00	0.00	O
ATOM	486	C4'	C	A	16	-34.584	-24.208	78.112	1.00	0.00	C
ATOM	487	O4'	C	A	16	-33.605	-24.299	77.029	1.00	0.00	O
ATOM	488	C5'	C	A	16	-35.916	-23.799	77.526	1.00	0.00	C
ATOM	489	O5'	C	A	16	-35.941	-22.365	77.318	1.00	0.00	O
ATOM	490	O1P	C	A	16	-37.701	-21.572	78.935	1.00	0.00	O
ATOM	491	O2P	C	A	16	-37.233	-20.261	76.848	1.00	0.00	O
ATOM	492	P	C	A	16	-37.320	-21.586	77.509	1.00	0.00	P
ATOM	493	H5	C	A	16	-34.418	-20.366	73.847	1.00	0.00	H
ATOM	494	H6	C	A	16	-34.475	-21.441	76.073	1.00	0.00	H
ATOM	495	H1'	C	A	16	-31.719	-23.583	77.302	1.00	0.00	H
ATOM	496	H3'	C	A	16	-34.721	-22.723	79.694	1.00	0.00	H
ATOM	497	H4'	C	A	16	-34.730	-25.151	78.638	1.00	0.00	H
ATOM	498	H41	C	A	16	-33.200	-20.234	71.750	1.00	0.00	H
ATOM	499	H42	C	A	16	-31.702	-21.158	71.446	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-33.836	-21.478	77.844	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-32.361	-21.811	78.743	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-36.060	-24.313	76.574	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-36.713	-24.087	78.212	1.00	0.00	H
ATOM	504	C1'	G	A	17	-27.848	-22.916	77.943	1.00	0.00	C
ATOM	505	N1	G	A	17	-27.770	-20.543	73.428	1.00	0.00	N
ATOM	506	C2	G	A	17	-26.915	-21.502	73.943	1.00	0.00	C
ATOM	507	N2	G	A	17	-25.902	-21.875	73.150	1.00	0.00	N
ATOM	508	N3	G	A	17	-27.057	-22.043	75.151	1.00	0.00	N
ATOM	509	C4	G	A	17	-28.130	-21.542	75.819	1.00	0.00	C
ATOM	510	C5	G	A	17	-29.034	-20.584	75.389	1.00	0.00	C
ATOM	511	C6	G	A	17	-28.886	-20.011	74.104	1.00	0.00	C
ATOM	512	O6	G	A	17	-29.577	-19.157	73.549	1.00	0.00	O
ATOM	513	N7	G	A	17	-29.991	-20.345	76.376	1.00	0.00	N
ATOM	514	C8	G	A	17	-29.649	-21.150	77.349	1.00	0.00	C

ATOM	515	N9	G A	17	-28.526	-21.909	77.086	1.00	0.00	N
ATOM	516	C2'	G A	17	-27.825	-22.551	79.421	1.00	0.00	C
ATOM	517	C3'	G A	17	-27.978	-23.908	80.087	1.00	0.00	C
ATOM	518	O3'	G A	17	-26.697	-24.525	80.191	1.00	0.00	O
ATOM	519	C4'	G A	17	-28.904	-24.655	79.128	1.00	0.00	C
ATOM	520	O4'	G A	17	-28.546	-24.140	77.808	1.00	0.00	O
ATOM	521	C5'	G A	17	-30.387	-24.459	79.340	1.00	0.00	C
ATOM	522	O5'	G A	17	-30.648	-23.094	79.748	1.00	0.00	O
ATOM	523	O1P	G A	17	-31.504	-23.346	82.102	1.00	0.00	O
ATOM	524	O2P	G A	17	-32.209	-21.378	80.714	1.00	0.00	O
ATOM	525	P	G A	17	-31.843	-22.815	80.768	1.00	0.00	P
ATOM	526	H1	G A	17	-27.574	-20.193	72.479	1.00	0.00	H
ATOM	527	H8	G A	17	-30.200	-21.214	78.288	1.00	0.00	H
ATOM	528	H1'	G A	17	-26.837	-23.064	77.563	1.00	0.00	H
ATOM	529	H21	G A	17	-25.801	-21.455	72.215	1.00	0.00	H
ATOM	530	H3'	G A	17	-28.423	-23.829	81.081	1.00	0.00	H
ATOM	531	H22	G A	17	-25.229	-22.583	73.474	1.00	0.00	H
ATOM	532	H4'	G A	17	-28.689	-25.716	79.244	1.00	0.00	H
ATOM	533	H2'1	G A	17	-28.642	-21.881	79.693	1.00	0.00	H
ATOM	534	H2'2	G A	17	-26.894	-22.066	79.714	1.00	0.00	H
ATOM	535	H5'1	G A	17	-30.912	-24.673	78.408	1.00	0.00	H
ATOM	536	H5'2	G A	17	-30.732	-25.149	80.109	1.00	0.00	H
ATOM	537	C1'	G A	18	-23.201	-21.633	76.807	1.00	0.00	C
ATOM	538	N1	G A	18	-25.484	-18.053	73.980	1.00	0.00	N
ATOM	539	C2	G A	18	-24.400	-18.860	73.684	1.00	0.00	C
ATOM	540	N2	G A	18	-23.849	-18.690	72.474	1.00	0.00	N
ATOM	541	N3	G A	18	-23.906	-19.765	74.526	1.00	0.00	N
ATOM	542	C4	G A	18	-24.580	-19.797	75.706	1.00	0.00	C
ATOM	543	C5	G A	18	-25.667	-19.028	76.089	1.00	0.00	C
ATOM	544	C6	G A	18	-26.195	-18.070	75.193	1.00	0.00	C
ATOM	545	O6	G A	18	-27.145	-17.302	75.350	1.00	0.00	O
ATOM	546	N7	G A	18	-26.065	-19.368	77.383	1.00	0.00	N
ATOM	547	C8	G A	18	-25.230	-20.311	77.733	1.00	0.00	C
ATOM	548	N9	G A	18	-24.298	-20.627	76.768	1.00	0.00	N
ATOM	549	C2'	G A	18	-22.522	-21.748	78.164	1.00	0.00	C
ATOM	550	C3'	G A	18	-22.213	-23.233	78.240	1.00	0.00	C
ATOM	551	O3'	G A	18	-20.982	-23.490	77.569	1.00	0.00	O
ATOM	552	C4'	G A	18	-23.404	-23.866	77.523	1.00	0.00	C
ATOM	553	O4'	G A	18	-23.761	-22.893	76.491	1.00	0.00	O
ATOM	554	C5'	G A	18	-24.625	-24.145	78.368	1.00	0.00	C
ATOM	555	O5'	G A	18	-24.793	-23.093	79.350	1.00	0.00	O
ATOM	556	O1P	G A	18	-24.413	-24.274	81.540	1.00	0.00	O
ATOM	557	O2P	G A	18	-25.870	-22.235	81.452	1.00	0.00	O
ATOM	558	P	G A	18	-25.387	-23.467	80.783	1.00	0.00	P
ATOM	559	H1	G A	18	-25.794	-17.388	73.254	1.00	0.00	H
ATOM	560	H8	G A	18	-25.266	-20.806	78.705	1.00	0.00	H
ATOM	561	H1'	G A	18	-22.480	-21.382	76.029	1.00	0.00	H
ATOM	562	H21	G A	18	-24.240	-17.990	71.826	1.00	0.00	H
ATOM	563	H3'	G A	18	-22.143	-23.585	79.271	1.00	0.00	H
ATOM	564	H22	G A	18	-23.039	-19.258	72.195	1.00	0.00	H
ATOM	565	H4'	G A	18	-23.059	-24.815	77.113	1.00	0.00	H
ATOM	566	H2'1	G A	18	-23.175	-21.436	78.980	1.00	0.00	H
ATOM	567	H2'2	G A	18	-21.613	-21.149	78.225	1.00	0.00	H
ATOM	568	H5'1	G A	18	-25.503	-24.192	77.724	1.00	0.00	H

ATOM	569	H5'2	G	A	18	-24.500	-25.104	78.872	1.00	0.00	H
ATOM	570	C1'	T	A	19	-19.769	-18.897	74.521	1.00	0.00	C
ATOM	571	N1	T	A	19	-20.849	-18.238	75.301	1.00	0.00	N
ATOM	572	C2	T	A	19	-21.564	-17.240	74.670	1.00	0.00	C
ATOM	573	O2	T	A	19	-21.339	-16.892	73.524	1.00	0.00	O
ATOM	574	N3	T	A	19	-22.559	-16.655	75.432	1.00	0.00	N
ATOM	575	C4	T	A	19	-22.891	-16.970	76.732	1.00	0.00	C
ATOM	576	O4	T	A	19	-23.803	-16.373	77.314	1.00	0.00	O
ATOM	577	C5	T	A	19	-22.090	-18.025	77.308	1.00	0.00	C
ATOM	578	C6	T	A	19	-21.112	-18.618	76.595	1.00	0.00	C
ATOM	579	C7	T	A	19	-22.418	-18.403	78.721	1.00	0.00	C
ATOM	580	C2'	T	A	19	-18.534	-19.237	75.347	1.00	0.00	C
ATOM	581	C3'	T	A	19	-18.085	-20.547	74.721	1.00	0.00	C
ATOM	582	O3'	T	A	19	-17.280	-20.270	73.578	1.00	0.00	O
ATOM	583	C4'	T	A	19	-19.406	-21.216	74.350	1.00	0.00	C
ATOM	584	O4'	T	A	19	-20.287	-20.104	73.997	1.00	0.00	O
ATOM	585	C5'	T	A	19	-20.071	-22.038	75.429	1.00	0.00	C
ATOM	586	O5'	T	A	19	-19.869	-21.406	76.719	1.00	0.00	O
ATOM	587	O1P	T	A	19	-18.416	-23.051	77.951	1.00	0.00	O
ATOM	588	O2P	T	A	19	-19.940	-21.519	79.228	1.00	0.00	O
ATOM	589	P	T	A	19	-19.703	-22.329	78.009	1.00	0.00	P
ATOM	590	H3	T	A	19	-23.109	-15.910	74.981	1.00	0.00	H
ATOM	591	H6	T	A	19	-20.521	-19.412	77.050	1.00	0.00	H
ATOM	592	H1'	T	A	19	-19.510	-18.250	73.682	1.00	0.00	H
ATOM	593	H3'	T	A	19	-17.517	-21.160	75.423	1.00	0.00	H
ATOM	594	H4'	T	A	19	-19.199	-21.880	73.508	1.00	0.00	H
ATOM	595	H71	T	A	19	-21.579	-18.152	79.368	1.00	0.00	H
ATOM	596	H72	T	A	19	-23.304	-17.857	79.047	1.00	0.00	H
ATOM	597	H73	T	A	19	-22.611	-19.475	78.778	1.00	0.00	H
ATOM	598	H2'1	T	A	19	-18.766	-19.360	76.403	1.00	0.00	H
ATOM	599	H2'2	T	A	19	-17.760	-18.473	75.268	1.00	0.00	H
ATOM	600	H5'1	T	A	19	-21.138	-22.111	75.218	1.00	0.00	H
ATOM	601	H5'2	T	A	19	-19.639	-23.037	75.437	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-13.668	-19.415	73.298	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-14.835	-19.706	74.071	1.00	0.00	O
ATOM	604	S	LNK	A	20	-9.872	-18.361	73.869	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-12.499	-19.077	74.243	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-11.632	-17.972	73.612	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-16.590	-18.150	74.985	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-15.995	-18.079	72.548	1.00	0.00	O
ATOM	609	P	LNK	A	20	-16.174	-18.890	73.778	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-13.865	-18.564	72.645	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-13.406	-20.284	72.694	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-11.864	-17.015	74.080	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-11.893	-19.969	74.405	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-12.893	-18.729	75.198	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-11.838	-17.913	72.544	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-9.489	-17.825	73.679			
TER											
ATOM	618	C1'	A	B	2	-26.475	-10.902	71.358	1.00	0.00	C
ATOM	619	N1	A	B	2	-24.142	-14.513	74.161	1.00	0.00	N
ATOM	620	C2	A	B	2	-23.960	-14.087	72.915	1.00	0.00	C
ATOM	621	N3	A	B	2	-24.597	-13.146	72.252	1.00	0.00	N
ATOM	622	C4	A	B	2	-25.553	-12.598	73.026	1.00	0.00	C

ATOM	623	C5	A B	2	-25.866	-12.921	74.315	1.00	0.00	C
ATOM	624	C6	A B	2	-25.101	-13.948	74.909	1.00	0.00	C
ATOM	625	N6	A B	2	-25.293	-14.372	76.169	1.00	0.00	N
ATOM	626	N7	A B	2	-26.907	-12.142	74.788	1.00	0.00	N
ATOM	627	C8	A B	2	-27.204	-11.375	73.782	1.00	0.00	C
ATOM	628	N9	A B	2	-26.421	-11.593	72.678	1.00	0.00	N
ATOM	629	C2'	A B	2	-27.888	-10.566	70.900	1.00	0.00	C
ATOM	630	C3'	A B	2	-27.683	-9.236	70.192	1.00	0.00	C
ATOM	631	O3'	A B	2	-27.269	-9.479	68.850	1.00	0.00	O
ATOM	632	C4'	A B	2	-26.584	-8.574	71.024	1.00	0.00	C
ATOM	633	O4'	A B	2	-25.754	-9.691	71.479	1.00	0.00	O
ATOM	634	C5'	A B	2	-27.038	-7.786	72.229	1.00	0.00	C
ATOM	635	O5'	A B	2	-28.174	-8.443	72.846	1.00	0.00	O
ATOM	636	H2	A B	2	-23.169	-14.589	72.362	1.00	0.00	H
ATOM	637	H8	A B	2	-27.999	-10.630	73.811	1.00	0.00	H
ATOM	638	H1'	A B	2	-25.964	-11.527	70.626	1.00	0.00	H
ATOM	639	H3'	A B	2	-28.590	-8.632	70.186	1.00	0.00	H
ATOM	640	H4'	A B	2	-26.054	-7.892	70.360	1.00	0.00	H
ATOM	641	H61	A B	2	-24.706	-15.123	76.555	1.00	0.00	H
ATOM	642	H62	A B	2	-26.030	-13.943	76.749	1.00	0.00	H
ATOM	643	H2'1	A B	2	-28.582	-10.468	71.734	1.00	0.00	H
ATOM	644	H2'2	A B	2	-28.292	-11.317	70.221	1.00	0.00	H
ATOM	645	H5'1	A B	2	-26.219	-7.722	72.944	1.00	0.00	H
ATOM	646	H5'2	A B	2	-27.319	-6.782	71.915	1.00	0.00	H
ATOM	647	C1'	C B	3	-25.692	-14.964	68.612	1.00	0.00	C
ATOM	648	N1	C B	3	-26.369	-15.066	69.933	1.00	0.00	N
ATOM	649	C2	C B	3	-25.883	-15.998	70.847	1.00	0.00	C
ATOM	650	O2	C B	3	-24.913	-16.699	70.525	1.00	0.00	O
ATOM	651	N3	C B	3	-26.485	-16.106	72.055	1.00	0.00	N
ATOM	652	C4	C B	3	-27.533	-15.335	72.374	1.00	0.00	C
ATOM	653	N4	C B	3	-28.082	-15.481	73.572	1.00	0.00	N
ATOM	654	C5	C B	3	-28.059	-14.369	71.453	1.00	0.00	C
ATOM	655	C6	C B	3	-27.432	-14.275	70.243	1.00	0.00	C
ATOM	656	C2'	C B	3	-26.644	-14.714	67.451	1.00	0.00	C
ATOM	657	C3'	C B	3	-25.818	-13.806	66.553	1.00	0.00	C
ATOM	658	O3'	C B	3	-24.974	-14.606	65.729	1.00	0.00	O
ATOM	659	C4'	C B	3	-25.025	-12.969	67.554	1.00	0.00	C
ATOM	660	O4'	C B	3	-24.787	-13.878	68.676	1.00	0.00	O
ATOM	661	C5'	C B	3	-25.703	-11.724	68.076	1.00	0.00	C
ATOM	662	O5'	C B	3	-27.122	-11.972	68.239	1.00	0.00	O
ATOM	663	O1P	C B	3	-28.179	-10.453	66.532	1.00	0.00	O
ATOM	664	O2P	C B	3	-29.452	-11.100	68.596	1.00	0.00	O
ATOM	665	P	C B	3	-28.144	-10.779	67.973	1.00	0.00	P
ATOM	666	H5	C B	3	-28.915	-13.744	71.705	1.00	0.00	H
ATOM	667	H6	C B	3	-27.791	-13.550	69.512	1.00	0.00	H
ATOM	668	H1'	C B	3	-25.113	-15.875	68.454	1.00	0.00	H
ATOM	669	H3'	C B	3	-26.446	-13.175	65.923	1.00	0.00	H
ATOM	670	H4'	C B	3	-24.107	-12.661	67.052	1.00	0.00	H
ATOM	671	H41	C B	3	-28.887	-14.897	73.844	1.00	0.00	H
ATOM	672	H42	C B	3	-27.704	-16.177	74.232	1.00	0.00	H
ATOM	673	H2'1	C B	3	-27.566	-14.227	67.769	1.00	0.00	H
ATOM	674	H2'2	C B	3	-26.921	-15.636	66.938	1.00	0.00	H
ATOM	675	H5'1	C B	3	-25.264	-11.453	69.036	1.00	0.00	H
ATOM	676	H5'2	C B	3	-25.551	-10.911	67.369	1.00	0.00	H

ATOM	677	C1'	C B	4	-24.986	-19.819	67.940	1.00	0.00	C
ATOM	678	N1	C B	4	-26.135	-19.326	68.746	1.00	0.00	N
ATOM	679	C2	C B	4	-26.321	-19.864	70.018	1.00	0.00	C
ATOM	680	O2	C B	4	-25.528	-20.724	70.424	1.00	0.00	O
ATOM	681	N3	C B	4	-27.362	-19.429	70.767	1.00	0.00	N
ATOM	682	C4	C B	4	-28.205	-18.498	70.301	1.00	0.00	C
ATOM	683	N4	C B	4	-29.205	-18.105	71.077	1.00	0.00	N
ATOM	684	C5	C B	4	-28.042	-17.928	68.994	1.00	0.00	C
ATOM	685	C6	C B	4	-26.982	-18.380	68.259	1.00	0.00	C
ATOM	686	C2'	C B	4	-25.291	-19.959	66.456	1.00	0.00	C
ATOM	687	C3'	C B	4	-23.967	-19.562	65.822	1.00	0.00	C
ATOM	688	O3'	C B	4	-23.107	-20.699	65.783	1.00	0.00	O
ATOM	689	C4'	C B	4	-23.449	-18.479	66.765	1.00	0.00	C
ATOM	690	O4'	C B	4	-23.929	-18.889	68.085	1.00	0.00	O
ATOM	691	C5'	C B	4	-23.924	-17.070	66.495	1.00	0.00	C
ATOM	692	O5'	C B	4	-25.300	-17.096	66.038	1.00	0.00	O
ATOM	693	O1P	C B	4	-25.141	-16.281	63.663	1.00	0.00	O
ATOM	694	O2P	C B	4	-27.255	-15.935	64.970	1.00	0.00	O
ATOM	695	P	C B	4	-25.774	-16.013	64.969	1.00	0.00	P
ATOM	696	H5	C B	4	-28.728	-17.177	68.607	1.00	0.00	H
ATOM	697	H6	C B	4	-26.813	-17.972	67.263	1.00	0.00	H
ATOM	698	H1'	C B	4	-24.656	-20.769	68.363	1.00	0.00	H
ATOM	699	H3'	C B	4	-24.098	-19.174	64.812	1.00	0.00	H
ATOM	700	H4'	C B	4	-22.361	-18.484	66.687	1.00	0.00	H
ATOM	701	H41	C B	4	-29.866	-17.388	70.744	1.00	0.00	H
ATOM	702	H42	C B	4	-29.322	-18.517	72.015	1.00	0.00	H
ATOM	703	H2'1	C B	4	-26.097	-19.300	66.135	1.00	0.00	H
ATOM	704	H2'2	C B	4	-25.571	-20.976	66.185	1.00	0.00	H
ATOM	705	H5'1	C B	4	-23.850	-16.485	67.413	1.00	0.00	H
ATOM	706	H5'2	C B	4	-23.291	-16.621	65.731	1.00	0.00	H
ATOM	707	C1'	G B	5	-25.384	-24.588	69.214	1.00	0.00	C
ATOM	708	N1	G B	5	-29.444	-22.961	71.840	1.00	0.00	N
ATOM	709	C2	G B	5	-28.454	-23.859	72.201	1.00	0.00	C
ATOM	710	N2	G B	5	-28.560	-24.395	73.423	1.00	0.00	N
ATOM	711	N3	G B	5	-27.438	-24.192	71.406	1.00	0.00	N
ATOM	712	C4	G B	5	-27.492	-23.559	70.205	1.00	0.00	C
ATOM	713	C5	G B	5	-28.442	-22.655	69.757	1.00	0.00	C
ATOM	714	C6	G B	5	-29.518	-22.297	70.601	1.00	0.00	C
ATOM	715	O6	G B	5	-30.448	-21.521	70.385	1.00	0.00	O
ATOM	716	N7	G B	5	-28.135	-22.238	68.460	1.00	0.00	N
ATOM	717	C8	G B	5	-27.036	-22.884	68.170	1.00	0.00	C
ATOM	718	N9	G B	5	-26.584	-23.709	69.181	1.00	0.00	N
ATOM	719	C2'	G B	5	-25.088	-25.272	67.886	1.00	0.00	C
ATOM	720	C3'	G B	5	-23.568	-25.289	67.869	1.00	0.00	C
ATOM	721	O3'	G B	5	-23.105	-26.426	68.593	1.00	0.00	O
ATOM	722	C4'	G B	5	-23.206	-23.977	68.561	1.00	0.00	C
ATOM	723	O4'	G B	5	-24.268	-23.785	69.549	1.00	0.00	O
ATOM	724	C5'	G B	5	-23.136	-22.751	67.682	1.00	0.00	C
ATOM	725	O5'	G B	5	-24.162	-22.821	66.660	1.00	0.00	O
ATOM	726	O1P	G B	5	-22.846	-23.030	64.526	1.00	0.00	O
ATOM	727	O2P	G B	5	-25.130	-21.993	64.495	1.00	0.00	O
ATOM	728	P	G B	5	-23.855	-22.207	65.221	1.00	0.00	P
ATOM	729	H1	G B	5	-30.183	-22.766	72.532	1.00	0.00	H
ATOM	730	H8	G B	5	-26.521	-22.782	67.215	1.00	0.00	H

ATOM	731	H1'	G B	5	-25.520	-25.321	70.009	1.00	0.00	H
ATOM	732	H21	G B	5	-29.346	-24.129	74.034	1.00	0.00	H
ATOM	733	H3'	G B	5	-23.170	-25.322	66.855	1.00	0.00	H
ATOM	734	H22	G B	5	-27.858	-25.072	73.751	1.00	0.00	H
ATOM	735	H4'	G B	5	-22.225	-24.118	69.015	1.00	0.00	H
ATOM	736	H2'1	G B	5	-25.488	-24.718	67.037	1.00	0.00	H
ATOM	737	H2'2	G B	5	-25.496	-26.282	67.841	1.00	0.00	H
ATOM	738	H5'1	G B	5	-23.285	-21.863	68.295	1.00	0.00	H
ATOM	739	H5'2	G B	5	-22.152	-22.703	67.214	1.00	0.00	H
ATOM	740	C1'	T B	6	-27.484	-28.418	71.543	1.00	0.00	C
ATOM	741	N1	T B	6	-28.309	-27.509	70.702	1.00	0.00	N
ATOM	742	C2	T B	6	-29.451	-26.986	71.274	1.00	0.00	C
ATOM	743	O2	T B	6	-29.794	-27.239	72.416	1.00	0.00	O
ATOM	744	N3	T B	6	-30.186	-26.146	70.458	1.00	0.00	N
ATOM	745	C4	T B	6	-29.891	-25.796	69.157	1.00	0.00	C
ATOM	746	O4	T B	6	-30.630	-25.036	68.522	1.00	0.00	O
ATOM	747	C5	T B	6	-28.679	-26.393	68.647	1.00	0.00	C
ATOM	748	C6	T B	6	-27.936	-27.215	69.414	1.00	0.00	C
ATOM	749	C7	T B	6	-28.317	-26.038	67.235	1.00	0.00	C
ATOM	750	C2'	T B	6	-26.879	-29.586	70.773	1.00	0.00	C
ATOM	751	C3'	T B	6	-25.532	-29.751	71.458	1.00	0.00	C
ATOM	752	O3'	T B	6	-25.692	-30.562	72.620	1.00	0.00	O
ATOM	753	C4'	T B	6	-25.145	-28.316	71.804	1.00	0.00	C
ATOM	754	O4'	T B	6	-26.423	-27.658	72.087	1.00	0.00	O
ATOM	755	C5'	T B	6	-24.429	-27.533	70.728	1.00	0.00	C
ATOM	756	O5'	T B	6	-24.958	-27.893	69.426	1.00	0.00	O
ATOM	757	O1P	T B	6	-23.015	-29.032	68.303	1.00	0.00	O
ATOM	758	O2P	T B	6	-24.762	-27.874	66.922	1.00	0.00	O
ATOM	759	P	T B	6	-23.970	-27.912	68.175	1.00	0.00	P
ATOM	760	H3	T B	6	-31.043	-25.739	70.863	1.00	0.00	H
ATOM	761	H6	T B	6	-27.025	-27.653	69.006	1.00	0.00	H
ATOM	762	H1'	T B	6	-28.100	-28.773	72.369	1.00	0.00	H
ATOM	763	H3'	T B	6	-24.793	-30.210	70.800	1.00	0.00	H
ATOM	764	H4'	T B	6	-24.489	-28.364	72.673	1.00	0.00	H
ATOM	765	H71	T B	6	-28.374	-26.930	66.611	1.00	0.00	H
ATOM	766	H72	T B	6	-29.010	-25.286	66.860	1.00	0.00	H
ATOM	767	H73	T B	6	-27.301	-25.642	67.209	1.00	0.00	H
ATOM	768	H2'1	T B	6	-26.762	-29.365	69.714	1.00	0.00	H
ATOM	769	H2'2	T B	6	-27.480	-30.491	70.856	1.00	0.00	H
ATOM	770	H5'1	T B	6	-24.573	-26.467	70.902	1.00	0.00	H
ATOM	771	H5'2	T B	6	-23.365	-27.764	70.769	1.00	0.00	H
ATOM	772	C1'	C B	7	-31.312	-30.771	73.659	1.00	0.00	C
ATOM	773	N1	C B	7	-31.437	-30.203	72.287	1.00	0.00	N
ATOM	774	C2	C B	7	-32.527	-29.376	72.023	1.00	0.00	C
ATOM	775	O2	C B	7	-33.339	-29.147	72.930	1.00	0.00	O
ATOM	776	N3	C B	7	-32.661	-28.849	70.781	1.00	0.00	N
ATOM	777	C4	C B	7	-31.767	-29.114	69.820	1.00	0.00	C
ATOM	778	N4	C B	7	-31.945	-28.569	68.627	1.00	0.00	N
ATOM	779	C5	C B	7	-30.639	-29.966	70.063	1.00	0.00	C
ATOM	780	C6	C B	7	-30.522	-30.481	71.322	1.00	0.00	C
ATOM	781	C2'	C B	7	-30.792	-32.202	73.685	1.00	0.00	C
ATOM	782	C3'	C B	7	-29.942	-32.206	74.945	1.00	0.00	C
ATOM	783	O3'	C B	7	-30.778	-32.458	76.072	1.00	0.00	O
ATOM	784	C4'	C B	7	-29.354	-30.798	74.965	1.00	0.00	C

ATOM	785	O4'	C B	7	-30.400	-29.961	74.378	1.00	0.00	O
ATOM	786	C5'	C B	7	-28.075	-30.592	74.184	1.00	0.00	C
ATOM	787	O5'	C B	7	-28.105	-31.394	72.978	1.00	0.00	O
ATOM	788	O1P	C B	7	-26.266	-33.072	73.346	1.00	0.00	O
ATOM	789	O2P	C B	7	-26.908	-32.409	71.015	1.00	0.00	O
ATOM	790	P	C B	7	-26.739	-32.014	72.433	1.00	0.00	P
ATOM	791	H5	C B	7	-29.913	-30.191	69.282	1.00	0.00	H
ATOM	792	H6	C B	7	-29.677	-31.128	71.557	1.00	0.00	H
ATOM	793	H1'	C B	7	-32.282	-30.699	74.149	1.00	0.00	H
ATOM	794	H3'	C B	7	-29.155	-32.961	74.905	1.00	0.00	H
ATOM	795	H4'	C B	7	-29.147	-30.554	76.007	1.00	0.00	H
ATOM	796	H41	C B	7	-31.270	-28.755	67.870	1.00	0.00	H
ATOM	797	H42	C B	7	-32.758	-27.959	68.454	1.00	0.00	H
ATOM	798	H2'1	C B	7	-30.197	-32.441	72.804	1.00	0.00	H
ATOM	799	H2'2	C B	7	-31.597	-32.933	73.745	1.00	0.00	H
ATOM	800	H5'1	C B	7	-27.981	-29.538	73.924	1.00	0.00	H
ATOM	801	H5'2	C B	7	-27.228	-30.887	74.801	1.00	0.00	H
ATOM	802	C1'	C B	8	-36.121	-31.734	74.340	1.00	0.00	C
ATOM	803	N1	C B	8	-35.534	-31.744	72.973	1.00	0.00	N
ATOM	804	C2	C B	8	-36.164	-30.988	71.986	1.00	0.00	C
ATOM	805	O2	C B	8	-37.178	-30.345	72.284	1.00	0.00	O
ATOM	806	N3	C B	8	-35.645	-30.984	70.734	1.00	0.00	N
ATOM	807	C4	C B	8	-34.546	-31.692	70.442	1.00	0.00	C
ATOM	808	N4	C B	8	-34.079	-31.648	69.202	1.00	0.00	N
ATOM	809	C5	C B	8	-33.878	-32.483	71.434	1.00	0.00	C
ATOM	810	C6	C B	8	-34.417	-32.468	72.691	1.00	0.00	C
ATOM	811	C2'	C B	8	-36.055	-33.081	75.048	1.00	0.00	C
ATOM	812	C3'	C B	8	-35.815	-32.670	76.492	1.00	0.00	C
ATOM	813	O3'	C B	8	-37.066	-32.374	77.107	1.00	0.00	O
ATOM	814	C4'	C B	8	-34.933	-31.431	76.350	1.00	0.00	C
ATOM	815	O4'	C B	8	-35.395	-30.798	75.114	1.00	0.00	O
ATOM	816	C5'	C B	8	-33.446	-31.673	76.243	1.00	0.00	C
ATOM	817	O5'	C B	8	-33.200	-32.880	75.476	1.00	0.00	O
ATOM	818	O1P	C B	8	-32.180	-34.444	77.166	1.00	0.00	O
ATOM	819	O2P	C B	8	-31.633	-34.695	74.729	1.00	0.00	O
ATOM	820	P	C B	8	-31.950	-33.790	75.861	1.00	0.00	P
ATOM	821	H5	C B	8	-32.988	-33.066	71.201	1.00	0.00	H
ATOM	822	H6	C B	8	-33.940	-33.047	73.482	1.00	0.00	H
ATOM	823	H1'	C B	8	-37.150	-31.382	74.267	1.00	0.00	H
ATOM	824	H3'	C B	8	-35.308	-33.450	77.059	1.00	0.00	H
ATOM	825	H4'	C B	8	-35.106	-30.817	77.234	1.00	0.00	H
ATOM	826	H41	C B	8	-33.234	-32.182	68.952	1.00	0.00	H
ATOM	827	H42	C B	8	-34.562	-31.082	68.490	1.00	0.00	H
ATOM	828	H2'1	C B	8	-35.243	-33.705	74.672	1.00	0.00	H
ATOM	829	H2'2	C B	8	-36.980	-33.648	74.943	1.00	0.00	H
ATOM	830	H5'1	C B	8	-32.978	-30.821	75.747	1.00	0.00	H
ATOM	831	H5'2	C B	8	-33.028	-31.780	77.243	1.00	0.00	H
ATOM	832	C1'	T B	9	-40.872	-31.890	72.961	1.00	0.00	C
ATOM	833	N1	T B	9	-39.822	-32.483	72.092	1.00	0.00	N
ATOM	834	C2	T B	9	-39.811	-32.103	70.766	1.00	0.00	C
ATOM	835	O2	T B	9	-40.618	-31.317	70.300	1.00	0.00	O
ATOM	836	N3	T B	9	-38.818	-32.677	69.995	1.00	0.00	N
ATOM	837	C4	T B	9	-37.863	-33.575	70.422	1.00	0.00	C
ATOM	838	O4	T B	9	-37.023	-34.026	69.635	1.00	0.00	O

ATOM	839	C5	T B	9	-37.953	-33.912	71.824	1.00	0.00	C
ATOM	840	C6	T B	9	-38.908	-33.370	72.604	1.00	0.00	C
ATOM	841	C7	T B	9	-36.931	-34.885	72.330	1.00	0.00	C
ATOM	842	C2'	T B	9	-41.436	-32.859	73.993	1.00	0.00	C
ATOM	843	C3'	T B	9	-41.685	-31.946	75.184	1.00	0.00	C
ATOM	844	O3'	T B	9	-42.956	-31.318	75.035	1.00	0.00	O
ATOM	845	C4'	T B	9	-40.532	-30.948	75.093	1.00	0.00	C
ATOM	846	O4'	T B	9	-40.295	-30.801	73.656	1.00	0.00	O
ATOM	847	C5'	T B	9	-39.238	-31.353	75.759	1.00	0.00	C
ATOM	848	O5'	T B	9	-39.031	-32.780	75.600	1.00	0.00	O
ATOM	849	O1P	T B	9	-39.193	-33.658	77.952	1.00	0.00	O
ATOM	850	O2P	T B	9	-37.819	-34.883	76.246	1.00	0.00	O
ATOM	851	P	T B	9	-38.310	-33.586	76.769	1.00	0.00	P
ATOM	852	H3	T B	9	-38.787	-32.407	69.002	1.00	0.00	H
ATOM	853	H6	T B	9	-38.956	-33.641	73.659	1.00	0.00	H
ATOM	854	H1'	T B	9	-41.663	-31.497	72.322	1.00	0.00	H
ATOM	855	H3'	T B	9	-41.659	-32.491	76.127	1.00	0.00	H
ATOM	856	H4'	T B	9	-40.875	-30.025	75.565	1.00	0.00	H
ATOM	857	H71	T B	9	-37.426	-35.808	72.635	1.00	0.00	H
ATOM	858	H72	T B	9	-36.210	-35.102	71.542	1.00	0.00	H
ATOM	859	H73	T B	9	-36.412	-34.454	73.187	1.00	0.00	H
ATOM	860	H2'1	T B	9	-40.733	-33.653	74.242	1.00	0.00	H
ATOM	861	H2'2	T B	9	-42.358	-33.332	73.656	1.00	0.00	H
ATOM	862	H5'1	T B	9	-38.413	-30.808	75.301	1.00	0.00	H
ATOM	863	H5'2	T B	9	-39.289	-31.105	76.818	1.00	0.00	H
ATOM	864	C1'	A B	10	-44.527	-32.116	69.611	1.00	0.00	C
ATOM	865	N1	A B	10	-40.952	-34.360	66.691	1.00	0.00	N
ATOM	866	C2	A B	10	-41.882	-33.444	66.430	1.00	0.00	C
ATOM	867	N3	A B	10	-42.772	-32.905	67.234	1.00	0.00	N
ATOM	868	C4	A B	10	-42.655	-33.417	68.472	1.00	0.00	C
ATOM	869	C5	A B	10	-41.760	-34.359	68.901	1.00	0.00	C
ATOM	870	C6	A B	10	-40.858	-34.851	67.935	1.00	0.00	C
ATOM	871	N6	A B	10	-39.923	-35.777	68.212	1.00	0.00	N
ATOM	872	N7	A B	10	-41.935	-34.639	70.244	1.00	0.00	N
ATOM	873	C8	A B	10	-42.925	-33.874	70.595	1.00	0.00	C
ATOM	874	N9	A B	10	-43.412	-33.101	69.573	1.00	0.00	N
ATOM	875	C2'	A B	10	-45.688	-32.539	70.499	1.00	0.00	C
ATOM	876	C3'	A B	10	-46.145	-31.211	71.082	1.00	0.00	C
ATOM	877	O3'	A B	10	-47.033	-30.578	70.164	1.00	0.00	O
ATOM	878	C4'	A B	10	-44.833	-30.441	71.237	1.00	0.00	C
ATOM	879	O4'	A B	10	-44.009	-30.900	70.118	1.00	0.00	O
ATOM	880	C5'	A B	10	-44.072	-30.666	72.523	1.00	0.00	C
ATOM	881	O5'	A B	10	-44.201	-32.052	72.933	1.00	0.00	O
ATOM	882	O1P	A B	10	-45.517	-31.905	75.073	1.00	0.00	O
ATOM	883	O2P	A B	10	-43.952	-33.829	74.692	1.00	0.00	O
ATOM	884	P	A B	10	-44.251	-32.390	74.491	1.00	0.00	P
ATOM	885	H2	A B	10	-41.909	-33.090	65.400	1.00	0.00	H
ATOM	886	H8	A B	10	-43.332	-33.849	71.607	1.00	0.00	H
ATOM	887	H1'	A B	10	-44.861	-31.939	68.589	1.00	0.00	H
ATOM	888	H3'	A B	10	-46.643	-31.336	72.042	1.00	0.00	H
ATOM	889	H4'	A B	10	-45.079	-29.381	71.178	1.00	0.00	H
ATOM	890	H61	A B	10	-39.287	-36.101	67.470	1.00	0.00	H
ATOM	891	H62	A B	10	-39.843	-36.161	69.164	1.00	0.00	H
ATOM	892	H2'1	A B	10	-45.380	-33.231	71.284	1.00	0.00	H

ATOM	893	H2'2	A B	10	-46.488	-33.020	69.934	1.00	0.00	H
ATOM	894	H5'1	A B	10	-43.020	-30.427	72.363	1.00	0.00	H
ATOM	895	H5'2	A B	10	-44.474	-30.015	73.297	1.00	0.00	H
ATOM	896	C1'	G B	11	-46.432	-33.312	65.186	1.00	0.00	C
ATOM	897	N1	G B	11	-42.749	-36.842	65.169	1.00	0.00	N
ATOM	898	C2	G B	11	-43.190	-36.012	64.152	1.00	0.00	C
ATOM	899	N2	G B	11	-42.567	-36.144	62.973	1.00	0.00	N
ATOM	900	N3	G B	11	-44.172	-35.124	64.300	1.00	0.00	N
ATOM	901	C4	G B	11	-44.692	-35.133	65.555	1.00	0.00	C
ATOM	902	C5	G B	11	-44.319	-35.925	66.628	1.00	0.00	C
ATOM	903	C6	G B	11	-43.275	-36.865	66.474	1.00	0.00	C
ATOM	904	O6	G B	11	-42.807	-37.649	67.301	1.00	0.00	O
ATOM	905	N7	G B	11	-45.104	-35.626	67.744	1.00	0.00	N
ATOM	906	C8	G B	11	-45.906	-34.682	67.322	1.00	0.00	C
ATOM	907	N9	G B	11	-45.717	-34.329	66.002	1.00	0.00	N
ATOM	908	C2'	G B	11	-47.924	-33.226	65.481	1.00	0.00	C
ATOM	909	C3'	G B	11	-48.194	-31.738	65.323	1.00	0.00	C
ATOM	910	O3'	G B	11	-48.419	-31.450	63.945	1.00	0.00	O
ATOM	911	C4'	G B	11	-46.907	-31.102	65.843	1.00	0.00	C
ATOM	912	O4'	G B	11	-45.858	-32.051	65.468	1.00	0.00	O
ATOM	913	C5'	G B	11	-46.832	-30.860	67.332	1.00	0.00	C
ATOM	914	O5'	G B	11	-47.492	-31.941	68.037	1.00	0.00	O
ATOM	915	O1P	G B	11	-49.472	-30.815	69.106	1.00	0.00	O
ATOM	916	O2P	G B	11	-48.481	-32.868	70.152	1.00	0.00	O
ATOM	917	P	G B	11	-48.266	-31.612	69.393	1.00	0.00	P
ATOM	918	H1	G B	11	-41.977	-37.490	64.952	1.00	0.00	H
ATOM	919	H8	G B	11	-46.659	-34.216	67.957	1.00	0.00	H
ATOM	920	H1'	G B	11	-46.255	-33.532	64.132	1.00	0.00	H
ATOM	921	H21	G B	11	-41.807	-36.830	62.868	1.00	0.00	H
ATOM	922	H3'	G B	11	-49.056	-31.415	65.905	1.00	0.00	H
ATOM	923	H22	G B	11	-42.851	-35.559	62.175	1.00	0.00	H
ATOM	924	H4'	G B	11	-46.806	-30.137	65.344	1.00	0.00	H
ATOM	925	H2'1	G B	11	-48.165	-33.567	66.488	1.00	0.00	H
ATOM	926	H2'2	G B	11	-48.519	-33.815	64.784	1.00	0.00	H
ATOM	927	H5'1	G B	11	-45.786	-30.807	67.633	1.00	0.00	H
ATOM	928	H5'2	G B	11	-47.321	-29.914	67.565	1.00	0.00	H
ATOM	929	C1'	G B	12	-46.668	-35.955	61.003	1.00	0.00	C
ATOM	930	N1	G B	12	-44.364	-39.539	63.810	1.00	0.00	N
ATOM	931	C2	G B	12	-44.124	-39.141	62.506	1.00	0.00	C
ATOM	932	N2	G B	12	-43.141	-39.785	61.864	1.00	0.00	N
ATOM	933	N3	G B	12	-44.809	-38.177	61.894	1.00	0.00	N
ATOM	934	C4	G B	12	-45.771	-37.641	62.690	1.00	0.00	C
ATOM	935	C5	G B	12	-46.084	-37.975	63.996	1.00	0.00	C
ATOM	936	C6	G B	12	-45.354	-38.994	64.649	1.00	0.00	C
ATOM	937	O6	G B	12	-45.483	-39.430	65.794	1.00	0.00	O
ATOM	938	N7	G B	12	-47.140	-37.185	64.457	1.00	0.00	N
ATOM	939	C8	G B	12	-47.424	-36.414	63.441	1.00	0.00	C
ATOM	940	N9	G B	12	-46.636	-36.631	62.329	1.00	0.00	N
ATOM	941	C2'	G B	12	-48.072	-35.617	60.521	1.00	0.00	C
ATOM	942	C3'	G B	12	-47.851	-34.294	59.803	1.00	0.00	C
ATOM	943	O3'	G B	12	-47.421	-34.552	58.469	1.00	0.00	O
ATOM	944	C4'	G B	12	-46.761	-33.629	60.643	1.00	0.00	C
ATOM	945	O4'	G B	12	-45.943	-34.745	61.119	1.00	0.00	O
ATOM	946	C5'	G B	12	-47.228	-32.829	61.835	1.00	0.00	C

ATOM	947	O5'	G B	12	-48.375	-33.475	62.442	1.00	0.00	O
ATOM	948	O1P	G B	12	-50.243	-31.834	62.047	1.00	0.00	O
ATOM	949	O2P	G B	12	-50.336	-33.392	64.012	1.00	0.00	O
ATOM	950	P	G B	12	-49.510	-32.565	63.098	1.00	0.00	P
ATOM	951	H1	G B	12	-43.771	-40.291	64.195	1.00	0.00	H
ATOM	952	H8	G B	12	-48.215	-35.663	63.467	1.00	0.00	H
ATOM	953	H1'	G B	12	-46.149	-36.588	60.285	1.00	0.00	H
ATOM	954	H21	G B	12	-42.613	-40.527	62.346	1.00	0.00	H
ATOM	955	H3'	G B	12	-48.755	-33.686	59.780	1.00	0.00	H
ATOM	956	H22	G B	12	-42.916	-39.538	60.890	1.00	0.00	H
ATOM	957	H4'	G B	12	-46.218	-32.956	59.982	1.00	0.00	H
ATOM	958	H2'1	G B	12	-48.777	-35.508	61.345	1.00	0.00	H
ATOM	959	H2'2	G B	12	-48.471	-36.373	59.846	1.00	0.00	H
ATOM	960	H5'1	G B	12	-46.418	-32.761	62.560	1.00	0.00	H
ATOM	961	H5'2	G B	12	-47.500	-31.825	61.507	1.00	0.00	H
ATOM	962	C1'	T B	13	-45.905	-39.983	58.231	1.00	0.00	C
ATOM	963	N1	T B	13	-46.568	-40.102	59.557	1.00	0.00	N
ATOM	964	C2	T B	13	-46.058	-41.038	60.435	1.00	0.00	C
ATOM	965	O2	T B	13	-45.107	-41.749	60.161	1.00	0.00	O
ATOM	966	N3	T B	13	-46.704	-41.113	61.655	1.00	0.00	N
ATOM	967	C4	T B	13	-47.785	-40.361	62.062	1.00	0.00	C
ATOM	968	O4	T B	13	-48.283	-40.520	63.182	1.00	0.00	O
ATOM	969	C5	T B	13	-48.246	-39.409	61.077	1.00	0.00	C
ATOM	970	C6	T B	13	-47.640	-39.306	59.878	1.00	0.00	C
ATOM	971	C7	T B	13	-49.420	-38.566	61.478	1.00	0.00	C
ATOM	972	C2'	T B	13	-46.871	-39.724	57.081	1.00	0.00	C
ATOM	973	C3'	T B	13	-46.059	-38.803	56.185	1.00	0.00	C
ATOM	974	O3'	T B	13	-45.221	-39.591	55.342	1.00	0.00	O
ATOM	975	C4'	T B	13	-45.258	-37.975	57.185	1.00	0.00	C
ATOM	976	O4'	T B	13	-45.004	-38.895	58.294	1.00	0.00	O
ATOM	977	C5'	T B	13	-45.934	-36.738	57.729	1.00	0.00	C
ATOM	978	O5'	T B	13	-47.351	-36.992	57.904	1.00	0.00	O
ATOM	979	O1P	T B	13	-48.430	-35.461	56.226	1.00	0.00	O
ATOM	980	O2P	T B	13	-49.679	-36.133	58.296	1.00	0.00	O
ATOM	981	P	T B	13	-48.381	-35.801	57.662	1.00	0.00	P
ATOM	982	H3	T B	13	-46.340	-41.802	62.330	1.00	0.00	H
ATOM	983	H6	T B	13	-48.007	-38.582	59.151	1.00	0.00	H
ATOM	984	H1'	T B	13	-45.325	-40.889	58.056	1.00	0.00	H
ATOM	985	H3'	T B	13	-46.695	-38.169	55.568	1.00	0.00	H
ATOM	986	H4'	T B	13	-44.346	-37.658	56.677	1.00	0.00	H
ATOM	987	H71	T B	13	-50.276	-38.811	60.850	1.00	0.00	H
ATOM	988	H72	T B	13	-49.668	-38.760	62.523	1.00	0.00	H
ATOM	989	H73	T B	13	-49.170	-37.511	61.355	1.00	0.00	H
ATOM	990	H2'1	T B	13	-47.790	-39.244	57.415	1.00	0.00	H
ATOM	991	H2'2	T B	13	-47.151	-40.641	56.561	1.00	0.00	H
ATOM	992	H5'1	T B	13	-45.485	-36.475	58.686	1.00	0.00	H
ATOM	993	H5'2	T B	13	-45.794	-35.916	57.028	1.00	0.00	H
ATOM	994	C1'	G B	14	-45.194	-44.853	57.577	1.00	0.00	C
ATOM	995	N1	G B	14	-47.675	-45.251	62.017	1.00	0.00	N
ATOM	996	C2	G B	14	-46.551	-45.920	61.565	1.00	0.00	C
ATOM	997	N2	G B	14	-46.019	-46.813	62.406	1.00	0.00	N
ATOM	998	N3	G B	14	-46.003	-45.711	60.370	1.00	0.00	N
ATOM	999	C4	G B	14	-46.676	-44.776	59.647	1.00	0.00	C
ATOM	1000	C5	G B	14	-47.805	-44.064	60.013	1.00	0.00	C

ATOM	1001	C6	G B	14	-48.387	-44.281	61.285	1.00	0.00	C
ATOM	1002	O6	G B	14	-49.380	-43.751	61.785	1.00	0.00	O
ATOM	1003	N7	G B	14	-48.187	-43.201	58.983	1.00	0.00	N
ATOM	1004	C8	G B	14	-47.296	-43.412	58.049	1.00	0.00	C
ATOM	1005	N9	G B	14	-46.345	-44.357	58.378	1.00	0.00	N
ATOM	1006	C2'	G B	14	-45.493	-44.991	56.091	1.00	0.00	C
ATOM	1007	C3'	G B	14	-44.165	-44.599	55.462	1.00	0.00	C
ATOM	1008	O3'	G B	14	-43.310	-45.738	55.427	1.00	0.00	O
ATOM	1009	C4'	G B	14	-43.649	-43.516	56.408	1.00	0.00	C
ATOM	1010	O4'	G B	14	-44.135	-43.927	57.725	1.00	0.00	O
ATOM	1011	C5'	G B	14	-44.117	-42.107	56.136	1.00	0.00	C
ATOM	1012	O5'	G B	14	-45.492	-42.127	55.676	1.00	0.00	O
ATOM	1013	O1P	G B	14	-45.322	-41.312	53.300	1.00	0.00	O
ATOM	1014	O2P	G B	14	-47.439	-40.961	54.599	1.00	0.00	O
ATOM	1015	P	G B	14	-45.958	-41.042	54.603	1.00	0.00	P
ATOM	1016	H1	G B	14	-48.017	-45.480	62.963	1.00	0.00	H
ATOM	1017	H8	G B	14	-47.304	-42.886	57.093	1.00	0.00	H
ATOM	1018	H1'	G B	14	-44.868	-45.804	58.000	1.00	0.00	H
ATOM	1019	H21	G B	14	-46.448	-46.966	63.332	1.00	0.00	H
ATOM	1020	H3'	G B	14	-44.291	-44.210	54.452	1.00	0.00	H
ATOM	1021	H22	G B	14	-45.183	-47.348	62.129	1.00	0.00	H
ATOM	1022	H4'	G B	14	-42.561	-43.526	56.334	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-46.296	-44.330	55.768	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-45.776	-46.007	55.818	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-44.045	-41.523	57.053	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-43.480	-41.659	55.374	1.00	0.00	H
ATOM	1027	C1'	C B	15	-45.591	-49.623	58.851	1.00	0.00	C
ATOM	1028	N1	C B	15	-46.791	-48.745	58.823	1.00	0.00	N
ATOM	1029	C2	C B	15	-47.606	-48.716	59.953	1.00	0.00	C
ATOM	1030	O2	C B	15	-47.299	-49.418	60.927	1.00	0.00	O
ATOM	1031	N3	C B	15	-48.704	-47.922	59.949	1.00	0.00	N
ATOM	1032	C4	C B	15	-49.009	-47.176	58.881	1.00	0.00	C
ATOM	1033	N4	C B	15	-50.092	-46.415	58.932	1.00	0.00	N
ATOM	1034	C5	C B	15	-48.192	-47.187	57.700	1.00	0.00	C
ATOM	1035	C6	C B	15	-47.089	-47.991	57.731	1.00	0.00	C
ATOM	1036	C2'	C B	15	-45.301	-50.307	57.522	1.00	0.00	C
ATOM	1037	C3'	C B	15	-43.780	-50.322	57.498	1.00	0.00	C
ATOM	1038	O3'	C B	15	-43.310	-51.459	58.220	1.00	0.00	O
ATOM	1039	C4'	C B	15	-43.416	-49.010	58.188	1.00	0.00	C
ATOM	1040	O4'	C B	15	-44.474	-48.817	59.180	1.00	0.00	O
ATOM	1041	C5'	C B	15	-43.352	-47.783	57.307	1.00	0.00	C
ATOM	1042	O5'	C B	15	-44.382	-47.856	56.291	1.00	0.00	O
ATOM	1043	O1P	C B	15	-43.077	-48.064	54.149	1.00	0.00	O
ATOM	1044	O2P	C B	15	-45.363	-47.030	54.128	1.00	0.00	O
ATOM	1045	P	C B	15	-44.084	-47.242	54.850	1.00	0.00	P
ATOM	1046	H5	C B	15	-48.441	-46.585	56.827	1.00	0.00	H
ATOM	1047	H6	C B	15	-46.433	-48.028	56.861	1.00	0.00	H
ATOM	1048	H1'	C B	15	-45.722	-50.356	59.648	1.00	0.00	H
ATOM	1049	H3'	C B	15	-43.388	-50.353	56.481	1.00	0.00	H
ATOM	1050	H4'	C B	15	-42.432	-49.149	58.635	1.00	0.00	H
ATOM	1051	H41	C B	15	-50.349	-45.828	58.124	1.00	0.00	H
ATOM	1052	H42	C B	15	-50.679	-46.410	59.779	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-45.705	-49.755	56.675	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-45.709	-51.318	57.479	1.00	0.00	H

ATOM	1055	H5'1	C B	15	-43.500	-46.894	57.920	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-42.371	-47.734	56.833	1.00	0.00	H
ATOM	1057	C1'	G B	16	-47.712	-53.440	61.185	1.00	0.00	C
ATOM	1058	N1	G B	16	-51.894	-50.528	60.946	1.00	0.00	N
ATOM	1059	C2	G B	16	-51.407	-51.301	61.986	1.00	0.00	C
ATOM	1060	N2	G B	16	-52.133	-51.297	63.112	1.00	0.00	N
ATOM	1061	N3	G B	16	-50.287	-52.017	61.909	1.00	0.00	N
ATOM	1062	C4	G B	16	-49.686	-51.908	60.696	1.00	0.00	C
ATOM	1063	C5	G B	16	-50.099	-51.168	59.601	1.00	0.00	C
ATOM	1064	C6	G B	16	-51.288	-50.404	59.683	1.00	0.00	C
ATOM	1065	O6	G B	16	-51.811	-49.690	58.826	1.00	0.00	O
ATOM	1066	N7	G B	16	-49.202	-51.327	58.543	1.00	0.00	N
ATOM	1067	C8	G B	16	-48.291	-52.137	59.020	1.00	0.00	C
ATOM	1068	N9	G B	16	-48.518	-52.535	60.322	1.00	0.00	N
ATOM	1069	C2'	G B	16	-47.102	-54.618	60.436	1.00	0.00	C
ATOM	1070	C3'	G B	16	-45.766	-54.786	61.142	1.00	0.00	C
ATOM	1071	O3'	G B	16	-45.950	-55.583	62.309	1.00	0.00	O
ATOM	1072	C4'	G B	16	-45.378	-53.347	61.481	1.00	0.00	C
ATOM	1073	O4'	G B	16	-46.655	-52.681	61.738	1.00	0.00	O
ATOM	1074	C5'	G B	16	-44.640	-52.581	60.409	1.00	0.00	C
ATOM	1075	O5'	G B	16	-45.150	-52.950	59.103	1.00	0.00	O
ATOM	1076	O1P	G B	16	-43.196	-54.109	58.021	1.00	0.00	O
ATOM	1077	O2P	G B	16	-44.913	-52.956	56.603	1.00	0.00	O
ATOM	1078	P	G B	16	-44.141	-52.988	57.868	1.00	0.00	P
ATOM	1079	H1	G B	16	-52.768	-50.007	61.110	1.00	0.00	H
ATOM	1080	H8	G B	16	-47.431	-52.469	58.440	1.00	0.00	H
ATOM	1081	H1'	G B	16	-48.344	-53.783	62.005	1.00	0.00	H
ATOM	1082	H21	G B	16	-52.997	-50.739	63.165	1.00	0.00	H
ATOM	1083	H3'	G B	16	-45.020	-55.253	60.500	1.00	0.00	H
ATOM	1084	H22	G B	16	-51.825	-51.853	63.921	1.00	0.00	H
ATOM	1085	H4'	G B	16	-44.736	-53.392	62.361	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-46.966	-54.408	59.376	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-47.710	-55.519	60.518	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-44.781	-51.513	60.571	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-43.577	-52.816	60.470	1.00	0.00	H
ATOM	1090	C1'	G B	17	-51.518	-55.804	63.294	1.00	0.00	C
ATOM	1091	N1	G B	17	-54.320	-52.839	60.232	1.00	0.00	N
ATOM	1092	C2	G B	17	-54.515	-53.180	61.559	1.00	0.00	C
ATOM	1093	N2	G B	17	-55.600	-52.663	62.147	1.00	0.00	N
ATOM	1094	N3	G B	17	-53.691	-53.971	62.243	1.00	0.00	N
ATOM	1095	C4	G B	17	-52.650	-54.409	61.487	1.00	0.00	C
ATOM	1096	C5	G B	17	-52.377	-54.125	60.161	1.00	0.00	C
ATOM	1097	C6	G B	17	-53.248	-53.281	59.434	1.00	0.00	C
ATOM	1098	O6	G B	17	-53.177	-52.917	58.261	1.00	0.00	O
ATOM	1099	N7	G B	17	-51.208	-54.773	59.758	1.00	0.00	N
ATOM	1100	C8	G B	17	-50.815	-55.412	60.829	1.00	0.00	C
ATOM	1101	N9	G B	17	-51.641	-55.241	61.922	1.00	0.00	N
ATOM	1102	C2'	G B	17	-50.996	-57.234	63.324	1.00	0.00	C
ATOM	1103	C3'	G B	17	-50.151	-57.237	64.589	1.00	0.00	C
ATOM	1104	O3'	G B	17	-50.990	-57.487	65.713	1.00	0.00	O
ATOM	1105	C4'	G B	17	-49.565	-55.826	64.608	1.00	0.00	C
ATOM	1106	O4'	G B	17	-50.612	-54.994	64.014	1.00	0.00	O
ATOM	1107	C5'	G B	17	-48.286	-55.620	63.833	1.00	0.00	C
ATOM	1108	O5'	G B	17	-48.308	-56.423	62.626	1.00	0.00	O

ATOM	1109	O1P	G B	17	-46.467	-58.097	63.007	1.00	0.00	O
ATOM	1110	O2P	G B	17	-47.100	-57.438	60.671	1.00	0.00	O
ATOM	1111	P	G B	17	-46.939	-57.042	62.090	1.00	0.00	P
ATOM	1112	H1	G B	17	-55.015	-52.213	59.795	1.00	0.00	H
ATOM	1113	H8	G B	17	-49.917	-56.027	60.858	1.00	0.00	H
ATOM	1114	H1'	G B	17	-52.491	-55.734	63.780	1.00	0.00	H
ATOM	1115	H21	G B	17	-56.232	-52.048	61.613	1.00	0.00	H
ATOM	1116	H3'	G B	17	-49.362	-57.989	64.552	1.00	0.00	H
ATOM	1117	H22	G B	17	-55.803	-52.880	63.133	1.00	0.00	H
ATOM	1118	H4'	G B	17	-49.365	-55.580	65.650	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-50.396	-57.475	62.446	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-51.800	-57.968	63.383	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-48.191	-54.566	63.572	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-47.439	-55.912	64.454	1.00	0.00	H
ATOM	1123	C1'	C B	18	-56.328	-56.768	63.977	1.00	0.00	C
ATOM	1124	N1	C B	18	-55.740	-56.778	62.608	1.00	0.00	N
ATOM	1125	C2	C B	18	-56.371	-56.021	61.622	1.00	0.00	C
ATOM	1126	O2	C B	18	-57.385	-55.378	61.920	1.00	0.00	O
ATOM	1127	N3	C B	18	-55.851	-56.018	60.371	1.00	0.00	N
ATOM	1128	C4	C B	18	-54.752	-56.726	60.080	1.00	0.00	C
ATOM	1129	N4	C B	18	-54.287	-56.685	58.841	1.00	0.00	N
ATOM	1130	C5	C B	18	-54.086	-57.514	61.073	1.00	0.00	C
ATOM	1131	C6	C B	18	-54.624	-57.500	62.326	1.00	0.00	C
ATOM	1132	C2'	C B	18	-56.262	-58.115	64.683	1.00	0.00	C
ATOM	1133	C3'	C B	18	-56.022	-57.704	66.128	1.00	0.00	C
ATOM	1134	O3'	C B	18	-57.274	-57.408	66.743	1.00	0.00	O
ATOM	1135	C4'	C B	18	-55.141	-56.465	65.986	1.00	0.00	C
ATOM	1136	O4'	C B	18	-55.602	-55.832	64.749	1.00	0.00	O
ATOM	1137	C5'	C B	18	-53.654	-56.707	65.879	1.00	0.00	C
ATOM	1138	O5'	C B	18	-53.408	-57.914	65.113	1.00	0.00	O
ATOM	1139	O1P	C B	18	-52.387	-59.478	66.801	1.00	0.00	O
ATOM	1140	O2P	C B	18	-51.839	-59.731	64.365	1.00	0.00	O
ATOM	1141	P	C B	18	-52.157	-58.824	65.496	1.00	0.00	P
ATOM	1142	H5	C B	18	-53.194	-58.094	60.840	1.00	0.00	H
ATOM	1143	H6	C B	18	-54.151	-58.083	63.116	1.00	0.00	H
ATOM	1144	H1'	C B	18	-57.357	-56.416	63.902	1.00	0.00	H
ATOM	1145	H3'	C B	18	-55.515	-58.484	66.695	1.00	0.00	H
ATOM	1146	H4'	C B	18	-55.314	-55.850	66.869	1.00	0.00	H
ATOM	1147	H41	C B	18	-53.441	-57.219	58.590	1.00	0.00	H
ATOM	1148	H42	C B	18	-54.768	-56.117	58.128	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-55.451	-58.739	64.309	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-57.187	-58.682	64.579	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-53.186	-55.855	65.384	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-53.235	-56.814	66.878	1.00	0.00	H
ATOM	1153	C1'	C B	19	-61.076	-56.919	62.575	1.00	0.00	C
ATOM	1154	N1	C B	19	-60.016	-57.524	61.724	1.00	0.00	N
ATOM	1155	C2	C B	19	-59.973	-57.162	60.378	1.00	0.00	C
ATOM	1156	O2	C B	19	-60.811	-56.358	59.949	1.00	0.00	O
ATOM	1157	N3	C B	19	-59.015	-57.702	59.587	1.00	0.00	N
ATOM	1158	C4	C B	19	-58.122	-58.569	60.081	1.00	0.00	C
ATOM	1159	N4	C B	19	-57.208	-59.065	59.264	1.00	0.00	N
ATOM	1160	C5	C B	19	-58.145	-58.959	61.458	1.00	0.00	C
ATOM	1161	C6	C B	19	-59.116	-58.403	62.236	1.00	0.00	C
ATOM	1162	C2'	C B	19	-61.656	-57.878	63.605	1.00	0.00	C

ATOM	1	C1'	A A	1	-74.687	-37.140	82.455	1.00	0.00	C
ATOM	2	N1	A A	1	-73.079	-39.671	86.619	1.00	0.00	N
ATOM	3	C2	A A	1	-73.652	-38.482	86.457	1.00	0.00	C
ATOM	4	N3	A A	1	-74.046	-37.888	85.350	1.00	0.00	N
ATOM	5	C4	A A	1	-73.786	-38.668	84.284	1.00	0.00	C
ATOM	6	C5	A A	1	-73.205	-39.905	84.282	1.00	0.00	C
ATOM	7	C6	A A	1	-72.832	-40.426	85.539	1.00	0.00	C
ATOM	8	N6	A A	1	-72.252	-41.630	85.692	1.00	0.00	N
ATOM	9	N7	A A	1	-73.099	-40.404	82.995	1.00	0.00	N
ATOM	10	C8	A A	1	-73.611	-39.467	82.254	1.00	0.00	C
ATOM	11	N9	A A	1	-74.051	-38.382	82.968	1.00	0.00	N
ATOM	12	C2'	A A	1	-74.106	-36.653	81.134	1.00	0.00	C
ATOM	13	C3'	A A	1	-75.335	-36.090	80.437	1.00	0.00	C
ATOM	14	O3'	A A	1	-75.548	-34.750	80.872	1.00	0.00	O
ATOM	15	C4'	A A	1	-76.448	-37.031	80.896	1.00	0.00	C
ATOM	16	O4'	A A	1	-76.061	-37.410	82.256	1.00	0.00	O
ATOM	17	C5'	A A	1	-76.642	-38.287	80.081	1.00	0.00	C
ATOM	18	O5'	A A	1	-75.357	-38.784	79.630	1.00	0.00	O
ATOM	19	H2	A A	1	-73.820	-37.917	87.372	1.00	0.00	H
ATOM	20	H8	A A	1	-73.686	-39.537	81.170	1.00	0.00	H
ATOM	21	H1'	A A	1	-74.604	-36.372	83.225	1.00	0.00	H
ATOM	22	H3'	A A	1	-75.231	-36.105	79.351	1.00	0.00	H
ATOM	23	H4'	A A	1	-77.376	-36.463	80.859	1.00	0.00	H
ATOM	24	H61	A A	1	-72.001	-41.964	86.630	1.00	0.00	H
ATOM	25	H62	A A	1	-72.060	-42.215	84.865	1.00	0.00	H
ATOM	26	H5T	A A	1	-75.304	-39.216	78.774	1.00	0.00	H
ATOM	27	H2'1	A A	1	-73.657	-37.460	80.557	1.00	0.00	H
ATOM	28	H2'2	A A	1	-73.344	-35.886	81.274	1.00	0.00	H
ATOM	29	H5'1	A A	1	-77.132	-39.041	80.698	1.00	0.00	H
ATOM	30	H5'2	A A	1	-77.272	-38.064	79.222	1.00	0.00	H
ATOM	31	C1'	G A	2	-72.327	-34.047	85.540	1.00	0.00	C
ATOM	32	N1	G A	2	-69.990	-38.291	87.130	1.00	0.00	N
ATOM	33	C2	G A	2	-70.495	-37.232	87.859	1.00	0.00	C
ATOM	34	N2	G A	2	-70.358	-37.312	89.187	1.00	0.00	N
ATOM	35	N3	G A	2	-71.091	-36.176	87.308	1.00	0.00	N
ATOM	36	C4	G A	2	-71.136	-36.258	85.951	1.00	0.00	C
ATOM	37	C5	G A	2	-70.655	-37.274	85.140	1.00	0.00	C
ATOM	38	C6	G A	2	-70.027	-38.398	85.728	1.00	0.00	C
ATOM	39	O6	G A	2	-69.544	-39.390	85.182	1.00	0.00	O
ATOM	40	N7	G A	2	-70.899	-36.977	83.798	1.00	0.00	N
ATOM	41	C8	G A	2	-71.507	-35.819	83.837	1.00	0.00	C
ATOM	42	N9	G A	2	-71.687	-35.318	85.110	1.00	0.00	N
ATOM	43	C2'	G A	2	-72.047	-32.871	84.613	1.00	0.00	C
ATOM	44	C3'	G A	2	-73.357	-32.105	84.663	1.00	0.00	C
ATOM	45	O3'	G A	2	-73.355	-31.246	85.801	1.00	0.00	O
ATOM	46	C4'	G A	2	-74.397	-33.218	84.782	1.00	0.00	C
ATOM	47	O4'	G A	2	-73.727	-34.255	85.567	1.00	0.00	O
ATOM	48	C5'	G A	2	-74.880	-33.827	83.487	1.00	0.00	C
ATOM	49	O5'	G A	2	-73.784	-33.901	82.542	1.00	0.00	O
ATOM	50	O1P	G A	2	-74.475	-32.303	80.724	1.00	0.00	O
ATOM	51	O2P	G A	2	-72.963	-34.233	80.191	1.00	0.00	O
ATOM	52	P	G A	2	-74.095	-33.704	80.990	1.00	0.00	P
ATOM	53	H1	G A	2	-69.550	-39.062	87.655	1.00	0.00	H
ATOM	54	H8	G A	2	-71.843	-35.296	82.942	1.00	0.00	H

ATOM	55	H1'	G A	2	-72.002	-33.827	86.557	1.00	0.00	H
ATOM	56	H21	G A	2	-69.899	-38.132	89.609	1.00	0.00	H
ATOM	57	H3'	G A	2	-73.519	-31.511	83.763	1.00	0.00	H
ATOM	58	H22	G A	2	-70.713	-36.553	89.787	1.00	0.00	H
ATOM	59	H4'	G A	2	-75.261	-32.791	85.291	1.00	0.00	H
ATOM	60	H2'1	G A	2	-71.814	-33.194	83.597	1.00	0.00	H
ATOM	61	H2'2	G A	2	-71.214	-32.259	84.962	1.00	0.00	H
ATOM	62	H5'1	G A	2	-75.265	-34.827	83.683	1.00	0.00	H
ATOM	63	H5'2	G A	2	-75.680	-33.209	83.078	1.00	0.00	H
ATOM	64	C1'	G A	3	-69.095	-32.935	89.124	1.00	0.00	C
ATOM	65	N1	G A	3	-66.773	-37.202	87.573	1.00	0.00	N
ATOM	66	C2	G A	3	-67.012	-36.739	88.852	1.00	0.00	C
ATOM	67	N2	G A	3	-66.572	-37.513	89.852	1.00	0.00	N
ATOM	68	N3	G A	3	-67.639	-35.595	89.114	1.00	0.00	N
ATOM	69	C4	G A	3	-68.008	-34.937	87.984	1.00	0.00	C
ATOM	70	C5	G A	3	-67.809	-35.322	86.668	1.00	0.00	C
ATOM	71	C6	G A	3	-67.147	-36.539	86.389	1.00	0.00	C
ATOM	72	O6	G A	3	-66.880	-37.047	85.299	1.00	0.00	O
ATOM	73	N7	G A	3	-68.339	-34.365	85.800	1.00	0.00	N
ATOM	74	C8	G A	3	-68.833	-33.453	86.597	1.00	0.00	C
ATOM	75	N9	G A	3	-68.670	-33.730	87.939	1.00	0.00	N
ATOM	76	C2'	G A	3	-68.953	-31.431	88.938	1.00	0.00	C
ATOM	77	C3'	G A	3	-70.154	-30.901	89.702	1.00	0.00	C
ATOM	78	O3'	G A	3	-69.820	-30.793	91.084	1.00	0.00	O
ATOM	79	C4'	G A	3	-71.217	-31.969	89.449	1.00	0.00	C
ATOM	80	O4'	G A	3	-70.460	-33.218	89.366	1.00	0.00	O
ATOM	81	C5'	G A	3	-72.035	-31.815	88.187	1.00	0.00	C
ATOM	82	O5'	G A	3	-71.201	-31.294	87.122	1.00	0.00	O
ATOM	83	O1P	G A	3	-72.178	-29.019	86.674	1.00	0.00	O
ATOM	84	O2P	G A	3	-70.983	-30.252	84.846	1.00	0.00	O
ATOM	85	P	G A	3	-71.853	-30.313	86.047	1.00	0.00	P
ATOM	86	H1	G A	3	-66.281	-38.105	87.478	1.00	0.00	H
ATOM	87	H8	G A	3	-69.330	-32.554	86.235	1.00	0.00	H
ATOM	88	H1'	G A	3	-68.524	-33.278	89.987	1.00	0.00	H
ATOM	89	H21	G A	3	-66.089	-38.399	89.642	1.00	0.00	H
ATOM	90	H3'	G A	3	-70.478	-29.927	89.332	1.00	0.00	H
ATOM	91	H22	G A	3	-66.717	-37.223	90.829	1.00	0.00	H
ATOM	92	H4'	G A	3	-71.902	-31.942	90.296	1.00	0.00	H
ATOM	93	H2'1	G A	3	-68.990	-31.139	87.889	1.00	0.00	H
ATOM	94	H2'2	G A	3	-68.018	-31.050	89.351	1.00	0.00	H
ATOM	95	H5'1	G A	3	-72.437	-32.786	87.902	1.00	0.00	H
ATOM	96	H5'2	G A	3	-72.860	-31.128	88.378	1.00	0.00	H
ATOM	97	C1'	C A	4	-65.036	-33.720	91.852	1.00	0.00	C
ATOM	98	N1	C A	4	-64.960	-33.726	90.365	1.00	0.00	N
ATOM	99	C2	C A	4	-64.356	-34.820	89.749	1.00	0.00	C
ATOM	100	O2	C A	4	-63.910	-35.732	90.454	1.00	0.00	O
ATOM	101	N3	C A	4	-64.277	-34.844	88.396	1.00	0.00	N
ATOM	102	C4	C A	4	-64.768	-33.840	87.660	1.00	0.00	C
ATOM	103	N4	C A	4	-64.667	-33.918	86.340	1.00	0.00	N
ATOM	104	C5	C A	4	-65.393	-32.703	88.268	1.00	0.00	C
ATOM	105	C6	C A	4	-65.464	-32.700	89.630	1.00	0.00	C
ATOM	106	C2'	C A	4	-64.826	-32.346	92.472	1.00	0.00	C
ATOM	107	C3'	C A	4	-65.776	-32.385	93.661	1.00	0.00	C
ATOM	108	O3'	C A	4	-65.120	-33.014	94.760	1.00	0.00	O

ATOM	109	C4'	C A	4	-66.945	-33.213	93.134	1.00	0.00	C
ATOM	110	O4'	C A	4	-66.328	-34.173	92.219	1.00	0.00	O
ATOM	111	C5'	C A	4	-68.019	-32.458	92.388	1.00	0.00	C
ATOM	112	O5'	C A	4	-67.417	-31.395	91.604	1.00	0.00	O
ATOM	113	O1P	C A	4	-68.295	-29.301	92.689	1.00	0.00	O
ATOM	114	O2P	C A	4	-67.655	-29.283	90.264	1.00	0.00	O
ATOM	115	P	C A	4	-68.223	-30.033	91.409	1.00	0.00	P
ATOM	116	H5	C A	4	-65.790	-31.881	87.671	1.00	0.00	H
ATOM	117	H6	C A	4	-65.935	-31.859	90.139	1.00	0.00	H
ATOM	118	H1'	C A	4	-64.309	-34.437	92.233	1.00	0.00	H
ATOM	119	H3'	C A	4	-66.099	-31.388	93.957	1.00	0.00	H
ATOM	120	H4'	C A	4	-67.411	-33.686	93.998	1.00	0.00	H
ATOM	121	H41	C A	4	-65.037	-33.159	85.749	1.00	0.00	H
ATOM	122	H42	C A	4	-64.216	-34.736	85.905	1.00	0.00	H
ATOM	123	H2'1	C A	4	-65.084	-31.539	91.787	1.00	0.00	H
ATOM	124	H2'2	C A	4	-63.795	-32.189	92.790	1.00	0.00	H
ATOM	125	H5'1	C A	4	-68.550	-33.145	91.730	1.00	0.00	H
ATOM	126	H5'2	C A	4	-68.722	-32.033	93.104	1.00	0.00	H
ATOM	127	C1'	C A	5	-60.521	-35.580	92.673	1.00	0.00	C
ATOM	128	N1	C A	5	-60.797	-34.779	91.449	1.00	0.00	N
ATOM	129	C2	C A	5	-60.438	-35.325	90.218	1.00	0.00	C
ATOM	130	O2	C A	5	-59.907	-36.444	90.191	1.00	0.00	O
ATOM	131	N3	C A	5	-60.682	-34.612	89.091	1.00	0.00	N
ATOM	132	C4	C A	5	-61.256	-33.404	89.151	1.00	0.00	C
ATOM	133	N4	C A	5	-61.473	-32.753	88.019	1.00	0.00	N
ATOM	134	C5	C A	5	-61.633	-32.818	90.403	1.00	0.00	C
ATOM	135	C6	C A	5	-61.381	-33.555	91.523	1.00	0.00	C
ATOM	136	C2'	C A	5	-60.069	-34.745	93.863	1.00	0.00	C
ATOM	137	C3'	C A	5	-60.712	-35.481	95.028	1.00	0.00	C
ATOM	138	O3'	C A	5	-59.865	-36.559	95.424	1.00	0.00	O
ATOM	139	C4'	C A	5	-62.030	-35.970	94.436	1.00	0.00	C
ATOM	140	O4'	C A	5	-61.718	-36.243	93.033	1.00	0.00	O
ATOM	141	C5'	C A	5	-63.191	-35.004	94.494	1.00	0.00	C
ATOM	142	O5'	C A	5	-62.713	-33.650	94.288	1.00	0.00	O
ATOM	143	O1P	C A	5	-63.152	-32.534	96.500	1.00	0.00	O
ATOM	144	O2P	C A	5	-63.101	-31.170	94.394	1.00	0.00	O
ATOM	145	P	C A	5	-63.438	-32.455	95.054	1.00	0.00	P
ATOM	146	H5	C A	5	-62.096	-31.832	90.458	1.00	0.00	H
ATOM	147	H6	C A	5	-61.655	-33.153	92.500	1.00	0.00	H
ATOM	148	H1'	C A	5	-59.779	-36.339	92.422	1.00	0.00	H
ATOM	149	H3'	C A	5	-60.881	-34.824	95.882	1.00	0.00	H
ATOM	150	H4'	C A	5	-62.315	-36.863	94.992	1.00	0.00	H
ATOM	151	H41	C A	5	-61.915	-31.822	88.036	1.00	0.00	H
ATOM	152	H42	C A	5	-61.200	-33.176	87.120	1.00	0.00	H
ATOM	153	H2'1	C A	5	-60.419	-33.716	93.803	1.00	0.00	H
ATOM	154	H2'2	C A	5	-58.982	-34.717	93.960	1.00	0.00	H
ATOM	155	H5'1	C A	5	-63.911	-35.263	93.717	1.00	0.00	H
ATOM	156	H5'2	C A	5	-63.671	-35.081	95.469	1.00	0.00	H
ATOM	157	C1'	G A	6	-56.090	-37.285	91.262	1.00	0.00	C
ATOM	158	N1	G A	6	-56.928	-34.409	87.132	1.00	0.00	N
ATOM	159	C2	G A	6	-56.410	-35.688	87.233	1.00	0.00	C
ATOM	160	N2	G A	6	-56.067	-36.278	86.082	1.00	0.00	N
ATOM	161	N3	G A	6	-56.247	-36.326	88.391	1.00	0.00	N
ATOM	162	C4	G A	6	-56.639	-35.577	89.454	1.00	0.00	C

ATOM	163	C5	G A	6	-57.163	-34.294	89.449	1.00	0.00	C
ATOM	164	C6	G A	6	-57.340	-33.617	88.222	1.00	0.00	C
ATOM	165	O6	G A	6	-57.783	-32.488	88.014	1.00	0.00	O
ATOM	166	N7	G A	6	-57.436	-33.880	90.754	1.00	0.00	N
ATOM	167	C8	G A	6	-57.082	-34.900	91.491	1.00	0.00	C
ATOM	168	N9	G A	6	-56.587	-35.970	90.773	1.00	0.00	N
ATOM	169	C2'	G A	6	-55.312	-37.200	92.567	1.00	0.00	C
ATOM	170	C3'	G A	6	-55.714	-38.492	93.261	1.00	0.00	C
ATOM	171	O3'	G A	6	-54.880	-39.552	92.798	1.00	0.00	O
ATOM	172	C4'	G A	6	-57.168	-38.671	92.831	1.00	0.00	C
ATOM	173	O4'	G A	6	-57.214	-38.118	91.477	1.00	0.00	O
ATOM	174	C5'	G A	6	-58.208	-37.972	93.674	1.00	0.00	C
ATOM	175	O5'	G A	6	-57.696	-36.694	94.127	1.00	0.00	O
ATOM	176	O1P	G A	6	-57.521	-36.989	96.620	1.00	0.00	O
ATOM	177	O2P	G A	6	-57.866	-34.702	95.649	1.00	0.00	O
ATOM	178	P	G A	6	-58.132	-36.159	95.565	1.00	0.00	P
ATOM	179	H1	G A	6	-57.020	-34.007	86.187	1.00	0.00	H
ATOM	180	H8	G A	6	-57.169	-34.907	92.578	1.00	0.00	H
ATOM	181	H1'	G A	6	-55.485	-37.735	90.474	1.00	0.00	H
ATOM	182	H21	G A	6	-56.199	-35.780	85.190	1.00	0.00	H
ATOM	183	H3'	G A	6	-55.630	-38.417	94.346	1.00	0.00	H
ATOM	184	H22	G A	6	-55.672	-37.230	86.089	1.00	0.00	H
ATOM	185	H4'	G A	6	-57.378	-39.739	92.861	1.00	0.00	H
ATOM	186	H2'1	G A	6	-55.591	-36.328	93.159	1.00	0.00	H
ATOM	187	H2'2	G A	6	-54.235	-37.154	92.405	1.00	0.00	H
ATOM	188	H5'1	G A	6	-59.107	-37.818	93.078	1.00	0.00	H
ATOM	189	H5'2	G A	6	-58.452	-38.597	94.532	1.00	0.00	H
ATOM	190	C1'	C A	7	-52.255	-37.666	88.150	1.00	0.00	C
ATOM	191	N1	C A	7	-52.755	-36.329	88.575	1.00	0.00	N
ATOM	192	C2	C A	7	-53.044	-35.396	87.581	1.00	0.00	C
ATOM	193	O2	C A	7	-52.875	-35.712	86.397	1.00	0.00	O
ATOM	194	N3	C A	7	-53.499	-34.173	87.947	1.00	0.00	N
ATOM	195	C4	C A	7	-53.672	-33.859	89.237	1.00	0.00	C
ATOM	196	N4	C A	7	-54.122	-32.650	89.538	1.00	0.00	N
ATOM	197	C5	C A	7	-53.378	-34.797	90.280	1.00	0.00	C
ATOM	198	C6	C A	7	-52.924	-36.026	89.889	1.00	0.00	C
ATOM	199	C2'	C A	7	-51.185	-38.242	89.069	1.00	0.00	C
ATOM	200	C3'	C A	7	-51.508	-39.727	89.038	1.00	0.00	C
ATOM	201	O3'	C A	7	-50.889	-40.317	87.896	1.00	0.00	O
ATOM	202	C4'	C A	7	-53.032	-39.743	88.941	1.00	0.00	C
ATOM	203	O4'	C A	7	-53.357	-38.555	88.150	1.00	0.00	O
ATOM	204	C5'	C A	7	-53.788	-39.673	90.248	1.00	0.00	C
ATOM	205	O5'	C A	7	-53.087	-38.807	91.174	1.00	0.00	O
ATOM	206	O1P	C A	7	-52.349	-40.376	92.998	1.00	0.00	O
ATOM	207	O2P	C A	7	-52.743	-37.952	93.512	1.00	0.00	O
ATOM	208	P	C A	7	-53.130	-39.151	92.731	1.00	0.00	P
ATOM	209	H5	C A	7	-53.510	-34.545	91.333	1.00	0.00	H
ATOM	210	H6	C A	7	-52.695	-36.776	90.646	1.00	0.00	H
ATOM	211	H1'	C A	7	-51.890	-37.584	87.128	1.00	0.00	H
ATOM	212	H3'	C A	7	-51.165	-40.237	89.939	1.00	0.00	H
ATOM	213	H4'	C A	7	-53.308	-40.674	88.447	1.00	0.00	H
ATOM	214	H41	C A	7	-54.266	-32.383	90.522	1.00	0.00	H
ATOM	215	H42	C A	7	-54.330	-31.975	88.787	1.00	0.00	H
ATOM	216	H2'1	C A	7	-51.250	-37.842	90.080	1.00	0.00	H

ATOM	217	H2'2	C A	7	-50.177	-38.046	88.703	1.00	0.00	H
ATOM	218	H5'1	C A	7	-54.789	-39.282	90.063	1.00	0.00	H
ATOM	219	H5'2	C A	7	-53.867	-40.675	90.669	1.00	0.00	H
ATOM	220	C1'	A A	8	-49.292	-36.080	84.518	1.00	0.00	C
ATOM	221	N1	A A	8	-50.856	-31.436	86.046	1.00	0.00	N
ATOM	222	C2	A A	8	-50.679	-31.974	84.843	1.00	0.00	C
ATOM	223	N3	A A	8	-50.275	-33.183	84.518	1.00	0.00	N
ATOM	224	C4	A A	8	-50.024	-33.903	85.627	1.00	0.00	C
ATOM	225	C5	A A	8	-50.153	-33.502	86.927	1.00	0.00	C
ATOM	226	C6	A A	8	-50.599	-32.179	87.133	1.00	0.00	C
ATOM	227	N6	A A	8	-50.774	-31.647	88.355	1.00	0.00	N
ATOM	228	N7	A A	8	-49.805	-34.517	87.801	1.00	0.00	N
ATOM	229	C8	A A	8	-49.471	-35.501	87.018	1.00	0.00	C
ATOM	230	N9	A A	8	-49.581	-35.203	85.684	1.00	0.00	N
ATOM	231	C2'	A A	8	-48.086	-36.988	84.717	1.00	0.00	C
ATOM	232	C3'	A A	8	-48.513	-38.248	83.982	1.00	0.00	C
ATOM	233	O3'	A A	8	-48.215	-38.103	82.596	1.00	0.00	O
ATOM	234	C4'	A A	8	-50.017	-38.303	84.246	1.00	0.00	C
ATOM	235	O4'	A A	8	-50.425	-36.897	84.301	1.00	0.00	O
ATOM	236	C5'	A A	8	-50.449	-38.983	85.523	1.00	0.00	C
ATOM	237	O5'	A A	8	-49.496	-38.696	86.578	1.00	0.00	O
ATOM	238	O1P	A A	8	-48.478	-40.946	87.069	1.00	0.00	O
ATOM	239	O2P	A A	8	-48.568	-39.191	88.860	1.00	0.00	O
ATOM	240	P	A A	8	-49.208	-39.816	87.677	1.00	0.00	P
ATOM	241	H2	A A	8	-50.903	-31.318	84.004	1.00	0.00	H
ATOM	242	H8	A A	8	-49.136	-36.471	87.386	1.00	0.00	H
ATOM	243	H1'	A A	8	-49.163	-35.446	83.640	1.00	0.00	H
ATOM	244	H3'	A A	8	-48.014	-39.136	84.368	1.00	0.00	H
ATOM	245	H4'	A A	8	-50.465	-38.843	83.413	1.00	0.00	H
ATOM	246	H61	A A	8	-51.104	-30.677	88.451	1.00	0.00	H
ATOM	247	H62	A A	8	-50.576	-32.211	89.195	1.00	0.00	H
ATOM	248	H2'1	A A	8	-47.890	-37.190	85.769	1.00	0.00	H
ATOM	249	H2'2	A A	8	-47.177	-36.567	84.288	1.00	0.00	H
ATOM	250	H5'1	A A	8	-51.434	-38.613	85.808	1.00	0.00	H
ATOM	251	H5'2	A A	8	-50.502	-40.058	85.358	1.00	0.00	H
ATOM	252	C1'	C A	9	-47.170	-32.551	81.740	1.00	0.00	C
ATOM	253	N1	C A	9	-47.104	-32.481	83.226	1.00	0.00	N
ATOM	254	C2	C A	9	-47.492	-31.294	83.842	1.00	0.00	C
ATOM	255	O2	C A	9	-47.872	-30.351	83.135	1.00	0.00	O
ATOM	256	N3	C A	9	-47.439	-31.211	85.194	1.00	0.00	N
ATOM	257	C4	C A	9	-47.021	-32.247	85.932	1.00	0.00	C
ATOM	258	N4	C A	9	-46.992	-32.112	87.250	1.00	0.00	N
ATOM	259	C5	C A	9	-46.612	-33.481	85.325	1.00	0.00	C
ATOM	260	C6	C A	9	-46.678	-33.544	83.962	1.00	0.00	C
ATOM	261	C2'	C A	9	-46.024	-33.329	81.111	1.00	0.00	C
ATOM	262	C3'	C A	9	-46.710	-34.008	79.934	1.00	0.00	C
ATOM	263	O3'	C A	9	-46.746	-33.108	78.830	1.00	0.00	O
ATOM	264	C4'	C A	9	-48.103	-34.308	80.481	1.00	0.00	C
ATOM	265	O4'	C A	9	-48.381	-33.198	81.394	1.00	0.00	O
ATOM	266	C5'	C A	9	-48.263	-35.606	81.238	1.00	0.00	C
ATOM	267	O5'	C A	9	-47.063	-35.875	82.007	1.00	0.00	O
ATOM	268	O1P	C A	9	-46.129	-37.945	80.922	1.00	0.00	O
ATOM	269	O2P	C A	9	-45.650	-37.472	83.339	1.00	0.00	O
ATOM	270	P	C A	9	-46.603	-37.390	82.204	1.00	0.00	P

ATOM	271	H5	C A	9	-46.265	-34.325	85.922	1.00	0.00	H
ATOM	272	H6	C A	9	-46.385	-34.463	83.456	1.00	0.00	H
ATOM	273	H1'	C A	9	-47.211	-31.533	81.353	1.00	0.00	H
ATOM	274	H3'	C A	9	-46.198	-34.924	79.637	1.00	0.00	H
ATOM	275	H4'	C A	9	-48.779	-34.336	79.627	1.00	0.00	H
ATOM	276	H41	C A	9	-46.677	-32.896	87.841	1.00	0.00	H
ATOM	277	H42	C A	9	-47.284	-31.224	87.683	1.00	0.00	H
ATOM	278	H2'1	C A	9	-45.594	-34.060	81.794	1.00	0.00	H
ATOM	279	H2'2	C A	9	-45.215	-32.677	80.777	1.00	0.00	H
ATOM	280	H5'1	C A	9	-49.120	-35.528	81.908	1.00	0.00	H
ATOM	281	H5'2	C A	9	-48.435	-36.414	80.528	1.00	0.00	H
ATOM	282	C1'	C A	10	-45.497	-27.971	80.872	1.00	0.00	C
ATOM	283	N1	C A	10	-45.078	-28.709	82.095	1.00	0.00	N
ATOM	284	C2	C A	10	-45.221	-28.069	83.324	1.00	0.00	C
ATOM	285	O2	C A	10	-45.686	-26.921	83.349	1.00	0.00	O
ATOM	286	N3	C A	10	-44.846	-28.723	84.450	1.00	0.00	N
ATOM	287	C4	C A	10	-44.345	-29.964	84.390	1.00	0.00	C
ATOM	288	N4	C A	10	-43.996	-30.559	85.523	1.00	0.00	N
ATOM	289	C5	C A	10	-44.183	-30.646	83.140	1.00	0.00	C
ATOM	290	C6	C A	10	-44.572	-29.968	82.018	1.00	0.00	C
ATOM	291	C2'	C A	10	-44.593	-28.210	79.671	1.00	0.00	C
ATOM	292	C3'	C A	10	-45.585	-28.192	78.518	1.00	0.00	C
ATOM	293	O3'	C A	10	-45.812	-26.843	78.117	1.00	0.00	O
ATOM	294	C4'	C A	10	-46.829	-28.830	79.131	1.00	0.00	C
ATOM	295	O4'	C A	10	-46.800	-28.408	80.531	1.00	0.00	O
ATOM	296	C5'	C A	10	-46.903	-30.339	79.084	1.00	0.00	C
ATOM	297	O5'	C A	10	-45.579	-30.901	79.275	1.00	0.00	O
ATOM	298	O1P	C A	10	-45.084	-31.992	77.062	1.00	0.00	O
ATOM	299	O2P	C A	10	-44.016	-32.864	79.158	1.00	0.00	O
ATOM	300	P	C A	10	-45.200	-32.247	78.511	1.00	0.00	P
ATOM	301	H5	C A	10	-43.770	-31.654	83.085	1.00	0.00	H
ATOM	302	H6	C A	10	-44.476	-30.449	81.045	1.00	0.00	H
ATOM	303	H1'	C A	10	-45.552	-26.911	81.115	1.00	0.00	H
ATOM	304	H3'	C A	10	-45.227	-28.767	77.663	1.00	0.00	H
ATOM	305	H4'	C A	10	-47.687	-28.439	78.584	1.00	0.00	H
ATOM	306	H41	C A	10	-43.611	-31.514	85.505	1.00	0.00	H
ATOM	307	H42	C A	10	-44.112	-30.065	86.420	1.00	0.00	H
ATOM	308	H2'1	C A	10	-44.070	-29.164	79.728	1.00	0.00	H
ATOM	309	H2'2	C A	10	-43.839	-27.429	79.559	1.00	0.00	H
ATOM	310	H5'1	C A	10	-47.570	-30.690	79.872	1.00	0.00	H
ATOM	311	H5'2	C A	10	-47.297	-30.647	78.116	1.00	0.00	H
ATOM	312	C1'	T A	11	-43.744	-23.540	82.210	1.00	0.00	C
ATOM	313	N1	T A	11	-43.106	-24.782	82.725	1.00	0.00	N
ATOM	314	C2	T A	11	-42.924	-24.877	84.089	1.00	0.00	C
ATOM	315	O2	T A	11	-43.260	-23.997	84.863	1.00	0.00	O
ATOM	316	N3	T A	11	-42.329	-26.047	84.525	1.00	0.00	N
ATOM	317	C4	T A	11	-41.909	-27.098	83.735	1.00	0.00	C
ATOM	318	O4	T A	11	-41.383	-28.098	84.241	1.00	0.00	O
ATOM	319	C5	T A	11	-42.141	-26.906	82.323	1.00	0.00	C
ATOM	320	C6	T A	11	-42.720	-25.780	81.864	1.00	0.00	C
ATOM	321	C7	T A	11	-41.703	-28.027	81.427	1.00	0.00	C
ATOM	322	C2'	T A	11	-43.163	-23.052	80.890	1.00	0.00	C
ATOM	323	C3'	T A	11	-44.389	-22.493	80.188	1.00	0.00	C
ATOM	324	O3'	T A	11	-44.608	-21.153	80.622	1.00	0.00	O

ATOM	325	C4'	T A	11	-45.500	-23.437	80.645	1.00	0.00	C
ATOM	326	O4'	T A	11	-45.117	-23.812	82.007	1.00	0.00	O
ATOM	327	C5'	T A	11	-45.691	-24.696	79.831	1.00	0.00	C
ATOM	328	O5'	T A	11	-44.403	-25.188	79.384	1.00	0.00	O
ATOM	329	O1P	T A	11	-44.511	-24.917	76.884	1.00	0.00	O
ATOM	330	O2P	T A	11	-43.051	-26.691	77.891	1.00	0.00	O
ATOM	331	P	T A	11	-44.306	-25.903	77.962	1.00	0.00	P
ATOM	332	H3	T A	11	-42.185	-26.145	85.539	1.00	0.00	H
ATOM	333	H6	T A	11	-42.886	-25.657	80.793	1.00	0.00	H
ATOM	334	H1'	T A	11	-43.665	-22.771	82.979	1.00	0.00	H
ATOM	335	H3'	T A	11	-44.282	-22.508	79.105	1.00	0.00	H
ATOM	336	H4'	T A	11	-46.433	-22.872	80.606	1.00	0.00	H
ATOM	337	H71	T A	11	-40.891	-27.683	80.788	1.00	0.00	H
ATOM	338	H72	T A	11	-41.358	-28.864	82.035	1.00	0.00	H
ATOM	339	H73	T A	11	-42.541	-28.348	80.808	1.00	0.00	H
ATOM	340	H2'1	T A	11	-42.710	-23.859	80.315	1.00	0.00	H
ATOM	341	H2'2	T A	11	-42.401	-22.284	81.032	1.00	0.00	H
ATOM	342	H5'1	T A	11	-46.179	-25.450	80.447	1.00	0.00	H
ATOM	343	H5'2	T A	11	-46.318	-24.472	78.969	1.00	0.00	H
ATOM	344	C1'	A A	12	-41.396	-20.428	85.281	1.00	0.00	C
ATOM	345	N1	A A	12	-39.045	-24.692	86.907	1.00	0.00	N
ATOM	346	C2	A A	12	-39.551	-23.644	87.549	1.00	0.00	C
ATOM	347	N3	A A	12	-40.149	-22.574	87.066	1.00	0.00	N
ATOM	348	C4	A A	12	-40.205	-22.640	85.725	1.00	0.00	C
ATOM	349	C5	A A	12	-39.735	-23.638	84.919	1.00	0.00	C
ATOM	350	C6	A A	12	-39.118	-24.728	85.568	1.00	0.00	C
ATOM	351	N6	A A	12	-38.609	-25.782	84.906	1.00	0.00	N
ATOM	352	N7	A A	12	-39.974	-23.358	83.585	1.00	0.00	N
ATOM	353	C8	A A	12	-40.573	-22.205	83.611	1.00	0.00	C
ATOM	354	N9	A A	12	-40.751	-21.707	84.876	1.00	0.00	N
ATOM	355	C2'	A A	12	-41.107	-19.270	84.336	1.00	0.00	C
ATOM	356	C3'	A A	12	-42.420	-18.503	84.365	1.00	0.00	C
ATOM	357	O3'	A A	12	-42.424	-17.626	85.490	1.00	0.00	O
ATOM	358	C4'	A A	12	-43.461	-19.614	84.496	1.00	0.00	C
ATOM	359	O4'	A A	12	-42.794	-20.639	85.300	1.00	0.00	O
ATOM	360	C5'	A A	12	-43.935	-20.243	83.208	1.00	0.00	C
ATOM	361	O5'	A A	12	-42.833	-20.333	82.270	1.00	0.00	O
ATOM	362	O1P	A A	12	-43.512	-18.764	80.422	1.00	0.00	O
ATOM	363	O2P	A A	12	-41.995	-20.703	79.930	1.00	0.00	O
ATOM	364	P	A A	12	-43.133	-20.161	80.714	1.00	0.00	P
ATOM	365	H2	A A	12	-39.457	-23.674	88.635	1.00	0.00	H
ATOM	366	H8	A A	12	-40.905	-21.682	82.712	1.00	0.00	H
ATOM	367	H1'	A A	12	-41.077	-20.193	86.295	1.00	0.00	H
ATOM	368	H3'	A A	12	-42.576	-17.924	83.456	1.00	0.00	H
ATOM	369	H4'	A A	12	-44.327	-19.177	84.993	1.00	0.00	H
ATOM	370	H61	A A	12	-38.171	-26.554	85.428	1.00	0.00	H
ATOM	371	H62	A A	12	-38.660	-25.817	83.877	1.00	0.00	H
ATOM	372	H2'1	A A	12	-40.868	-19.608	83.328	1.00	0.00	H
ATOM	373	H2'2	A A	12	-40.278	-18.652	84.680	1.00	0.00	H
ATOM	374	H5'1	A A	12	-44.321	-21.240	83.418	1.00	0.00	H
ATOM	375	H5'2	A A	12	-44.731	-19.634	82.783	1.00	0.00	H
ATOM	376	C1'	G A	13	-38.153	-19.336	88.879	1.00	0.00	C
ATOM	377	N1	G A	13	-35.830	-23.605	87.326	1.00	0.00	N
ATOM	378	C2	G A	13	-36.069	-23.140	88.608	1.00	0.00	C

ATOM	379	N2	G A	13	-35.628	-23.913	89.608	1.00	0.00	N
ATOM	380	N3	G A	13	-36.697	-21.994	88.868	1.00	0.00	N
ATOM	381	C4	G A	13	-37.066	-21.338	87.738	1.00	0.00	C
ATOM	382	C5	G A	13	-36.867	-21.723	86.422	1.00	0.00	C
ATOM	383	C6	G A	13	-36.204	-22.940	86.144	1.00	0.00	C
ATOM	384	O6	G A	13	-35.936	-23.445	85.053	1.00	0.00	O
ATOM	385	N7	G A	13	-37.396	-20.765	85.554	1.00	0.00	N
ATOM	386	C8	G A	13	-37.890	-19.854	86.352	1.00	0.00	C
ATOM	387	N9	G A	13	-37.728	-20.130	87.693	1.00	0.00	N
ATOM	388	C2'	G A	13	-38.011	-17.832	88.692	1.00	0.00	C
ATOM	389	C3'	G A	13	-39.212	-17.301	89.457	1.00	0.00	C
ATOM	390	O3'	G A	13	-38.877	-17.194	90.839	1.00	0.00	O
ATOM	391	C4'	G A	13	-40.275	-18.369	89.203	1.00	0.00	C
ATOM	392	O4'	G A	13	-39.518	-19.618	89.121	1.00	0.00	O
ATOM	393	C5'	G A	13	-41.092	-18.215	87.942	1.00	0.00	C
ATOM	394	O5'	G A	13	-40.259	-17.695	86.877	1.00	0.00	O
ATOM	395	O1P	G A	13	-41.236	-15.419	86.429	1.00	0.00	O
ATOM	396	O2P	G A	13	-40.041	-16.653	84.601	1.00	0.00	O
ATOM	397	P	G A	13	-40.910	-16.714	85.801	1.00	0.00	P
ATOM	398	H1	G A	13	-35.341	-24.508	87.232	1.00	0.00	H
ATOM	399	H8	G A	13	-38.387	-18.954	85.989	1.00	0.00	H
ATOM	400	H1'	G A	13	-37.581	-19.679	89.742	1.00	0.00	H
ATOM	401	H21	G A	13	-35.147	-24.800	89.397	1.00	0.00	H
ATOM	402	H3'	G A	13	-39.535	-16.328	89.087	1.00	0.00	H
ATOM	403	H22	G A	13	-35.773	-23.622	90.584	1.00	0.00	H
ATOM	404	H4'	G A	13	-40.959	-18.342	90.049	1.00	0.00	H
ATOM	405	H2'1	G A	13	-38.047	-17.540	87.643	1.00	0.00	H
ATOM	406	H2'2	G A	13	-37.076	-17.451	89.105	1.00	0.00	H
ATOM	407	H5'1	G A	13	-41.495	-19.186	87.656	1.00	0.00	H
ATOM	408	H5'2	G A	13	-41.917	-17.529	88.133	1.00	0.00	H
ATOM	409	C1'	G A	14	-34.094	-20.121	91.606	1.00	0.00	C
ATOM	410	N1	G A	14	-32.527	-22.716	87.504	1.00	0.00	N
ATOM	411	C2	G A	14	-32.423	-23.032	88.847	1.00	0.00	C
ATOM	412	N2	G A	14	-31.818	-24.191	89.136	1.00	0.00	N
ATOM	413	N3	G A	14	-32.885	-22.251	89.823	1.00	0.00	N
ATOM	414	C4	G A	14	-33.459	-21.116	89.348	1.00	0.00	C
ATOM	415	C5	G A	14	-33.604	-20.717	88.031	1.00	0.00	C
ATOM	416	C6	G A	14	-33.118	-21.545	86.993	1.00	0.00	C
ATOM	417	O6	G A	14	-33.152	-21.366	85.775	1.00	0.00	O
ATOM	418	N7	G A	14	-34.250	-19.480	87.970	1.00	0.00	N
ATOM	419	C8	G A	14	-34.473	-19.177	89.222	1.00	0.00	C
ATOM	420	N9	G A	14	-34.021	-20.121	90.119	1.00	0.00	N
ATOM	421	C2'	G A	14	-33.888	-18.747	92.230	1.00	0.00	C
ATOM	422	C3'	G A	14	-34.833	-18.793	93.419	1.00	0.00	C
ATOM	423	O3'	G A	14	-34.175	-19.424	94.517	1.00	0.00	O
ATOM	424	C4'	G A	14	-36.002	-19.623	92.892	1.00	0.00	C
ATOM	425	O4'	G A	14	-35.382	-20.578	91.975	1.00	0.00	O
ATOM	426	C5'	G A	14	-37.080	-18.868	92.150	1.00	0.00	C
ATOM	427	O5'	G A	14	-36.483	-17.803	91.370	1.00	0.00	O
ATOM	428	O1P	G A	14	-37.366	-15.715	92.462	1.00	0.00	O
ATOM	429	O2P	G A	14	-36.731	-15.687	90.036	1.00	0.00	O
ATOM	430	P	G A	14	-37.295	-16.443	91.181	1.00	0.00	P
ATOM	431	H1	G A	14	-32.143	-23.392	86.826	1.00	0.00	H
ATOM	432	H8	G A	14	-34.973	-18.258	89.530	1.00	0.00	H

ATOM	433	H1'	G A	14	-33.363	-20.835	91.984	1.00	0.00	H
ATOM	434	H21	G A	14	-31.467	-24.790	88.376	1.00	0.00	H
ATOM	435	H3'	G A	14	-35.161	-17.797	93.719	1.00	0.00	H
ATOM	436	H22	G A	14	-31.707	-24.481	90.117	1.00	0.00	H
ATOM	437	H4'	G A	14	-36.465	-20.101	93.755	1.00	0.00	H
ATOM	438	H2'1	G A	14	-34.149	-17.939	91.547	1.00	0.00	H
ATOM	439	H2'2	G A	14	-32.857	-18.588	92.548	1.00	0.00	H
ATOM	440	H5'1	G A	14	-37.609	-19.556	91.491	1.00	0.00	H
ATOM	441	H5'2	G A	14	-37.783	-18.449	92.870	1.00	0.00	H
ATOM	442	C1'	A A	15	-29.583	-21.974	92.449	1.00	0.00	C
ATOM	443	N1	A A	15	-29.209	-21.865	87.333	1.00	0.00	N
ATOM	444	C2	A A	15	-28.853	-22.770	88.241	1.00	0.00	C
ATOM	445	N3	A A	15	-28.982	-22.736	89.551	1.00	0.00	N
ATOM	446	C4	A A	15	-29.560	-21.581	89.931	1.00	0.00	C
ATOM	447	C5	A A	15	-29.980	-20.557	89.130	1.00	0.00	C
ATOM	448	C6	A A	15	-29.784	-20.724	87.743	1.00	0.00	C
ATOM	449	N6	A A	15	-30.147	-19.802	86.835	1.00	0.00	N
ATOM	450	N7	A A	15	-30.530	-19.532	89.879	1.00	0.00	N
ATOM	451	C8	A A	15	-30.428	-19.950	91.105	1.00	0.00	C
ATOM	452	N9	A A	15	-29.851	-21.190	91.215	1.00	0.00	N
ATOM	453	C2'	A A	15	-29.142	-21.123	93.633	1.00	0.00	C
ATOM	454	C3'	A A	15	-29.790	-21.848	94.804	1.00	0.00	C
ATOM	455	O3'	A A	15	-28.945	-22.917	95.217	1.00	0.00	O
ATOM	456	C4'	A A	15	-31.105	-22.349	94.208	1.00	0.00	C
ATOM	457	O4'	A A	15	-30.781	-22.637	92.809	1.00	0.00	O
ATOM	458	C5'	A A	15	-32.268	-21.387	94.245	1.00	0.00	C
ATOM	459	O5'	A A	15	-31.794	-20.034	94.026	1.00	0.00	O
ATOM	460	O1P	A A	15	-32.253	-18.893	96.222	1.00	0.00	O
ATOM	461	O2P	A A	15	-32.191	-17.553	94.101	1.00	0.00	O
ATOM	462	P	A A	15	-32.529	-18.831	94.773	1.00	0.00	P
ATOM	463	H2	A A	15	-28.387	-23.671	87.841	1.00	0.00	H
ATOM	464	H8	A A	15	-30.769	-19.374	91.965	1.00	0.00	H
ATOM	465	H1'	A A	15	-28.837	-22.734	92.215	1.00	0.00	H
ATOM	466	H3'	A A	15	-29.970	-21.182	95.648	1.00	0.00	H
ATOM	467	H4'	A A	15	-31.389	-23.237	94.770	1.00	0.00	H
ATOM	468	H61	A A	15	-29.983	-19.975	85.833	1.00	0.00	H
ATOM	469	H62	A A	15	-30.587	-18.923	87.142	1.00	0.00	H
ATOM	470	H2'1	A A	15	-29.497	-20.096	93.558	1.00	0.00	H
ATOM	471	H2'2	A A	15	-28.058	-21.091	93.740	1.00	0.00	H
ATOM	472	H5'1	A A	15	-32.981	-21.657	93.466	1.00	0.00	H
ATOM	473	H5'2	A A	15	-32.756	-21.452	95.216	1.00	0.00	H
ATOM	474	C1'	C A	16	-25.148	-23.687	91.016	1.00	0.00	C
ATOM	475	N1	C A	16	-25.644	-22.373	90.522	1.00	0.00	N
ATOM	476	C2	C A	16	-25.626	-22.144	89.148	1.00	0.00	C
ATOM	477	O2	C A	16	-25.202	-23.034	88.400	1.00	0.00	O
ATOM	478	N3	C A	16	-26.073	-20.954	88.677	1.00	0.00	N
ATOM	479	C4	C A	16	-26.526	-20.010	89.512	1.00	0.00	C
ATOM	480	N4	C A	16	-26.955	-18.866	88.996	1.00	0.00	N
ATOM	481	C5	C A	16	-26.552	-20.215	90.930	1.00	0.00	C
ATOM	482	C6	C A	16	-26.101	-21.424	91.382	1.00	0.00	C
ATOM	483	C2'	C A	16	-24.368	-23.596	92.319	1.00	0.00	C
ATOM	484	C3'	C A	16	-24.771	-24.886	93.020	1.00	0.00	C
ATOM	485	O3'	C A	16	-23.938	-25.948	92.561	1.00	0.00	O
ATOM	486	C4'	C A	16	-26.225	-25.064	92.591	1.00	0.00	C

ATOM	487	O4'	C	A	16	-26.274	-24.516	91.236	1.00	0.00	O
ATOM	488	C5'	C	A	16	-27.264	-24.359	93.434	1.00	0.00	C
ATOM	489	O5'	C	A	16	-26.748	-23.080	93.881	1.00	0.00	O
ATOM	490	O1P	C	A	16	-26.569	-23.363	96.376	1.00	0.00	O
ATOM	491	O2P	C	A	16	-26.914	-21.081	95.394	1.00	0.00	O
ATOM	492	P	C	A	16	-27.181	-22.538	95.316	1.00	0.00	P
ATOM	493	H5	C	A	16	-26.913	-19.447	91.615	1.00	0.00	H
ATOM	494	H6	C	A	16	-26.108	-21.630	92.453	1.00	0.00	H
ATOM	495	H1'	C	A	16	-24.544	-24.141	90.230	1.00	0.00	H
ATOM	496	H3'	C	A	16	-24.686	-24.803	94.105	1.00	0.00	H
ATOM	497	H4'	C	A	16	-26.437	-26.132	92.629	1.00	0.00	H
ATOM	498	H41	C	A	16	-27.310	-18.124	89.617	1.00	0.00	H
ATOM	499	H42	C	A	16	-26.933	-18.719	87.978	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-24.644	-22.723	92.909	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-23.290	-23.554	92.156	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-28.164	-24.207	92.838	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-27.506	-24.980	94.296	1.00	0.00	H
ATOM	504	C1'	G	A	17	-21.314	-24.065	87.906	1.00	0.00	C
ATOM	505	N1	G	A	17	-22.882	-19.481	86.310	1.00	0.00	N
ATOM	506	C2	G	A	17	-22.451	-20.576	85.580	1.00	0.00	C
ATOM	507	N2	G	A	17	-22.435	-20.428	84.250	1.00	0.00	N
ATOM	508	N3	G	A	17	-22.069	-21.725	86.135	1.00	0.00	N
ATOM	509	C4	G	A	17	-22.143	-21.694	87.491	1.00	0.00	C
ATOM	510	C5	G	A	17	-22.555	-20.648	88.302	1.00	0.00	C
ATOM	511	C6	G	A	17	-22.966	-19.430	87.714	1.00	0.00	C
ATOM	512	O6	G	A	17	-23.360	-18.399	88.259	1.00	0.00	O
ATOM	513	N7	G	A	17	-22.482	-21.021	89.645	1.00	0.00	N
ATOM	514	C8	G	A	17	-22.042	-22.253	89.608	1.00	0.00	C
ATOM	515	N9	G	A	17	-21.812	-22.731	88.335	1.00	0.00	N
ATOM	516	C2'	G	A	17	-20.246	-24.647	88.822	1.00	0.00	C
ATOM	517	C3'	G	A	17	-20.568	-26.131	88.786	1.00	0.00	C
ATOM	518	O3'	G	A	17	-19.948	-26.717	87.642	1.00	0.00	O
ATOM	519	C4'	G	A	17	-22.093	-26.145	88.686	1.00	0.00	C
ATOM	520	O4'	G	A	17	-22.414	-24.955	87.900	1.00	0.00	O
ATOM	521	C5'	G	A	17	-22.850	-26.083	89.992	1.00	0.00	C
ATOM	522	O5'	G	A	17	-22.151	-25.219	90.922	1.00	0.00	O
ATOM	523	O1P	G	A	17	-21.416	-26.798	92.739	1.00	0.00	O
ATOM	524	O2P	G	A	17	-21.809	-24.376	93.265	1.00	0.00	O
ATOM	525	P	G	A	17	-22.196	-25.572	92.477	1.00	0.00	P
ATOM	526	H1	G	A	17	-23.163	-18.641	85.782	1.00	0.00	H
ATOM	527	H8	G	A	17	-21.871	-22.848	90.505	1.00	0.00	H
ATOM	528	H1'	G	A	17	-20.945	-23.980	86.883	1.00	0.00	H
ATOM	529	H21	G	A	17	-22.735	-19.538	83.828	1.00	0.00	H
ATOM	530	H3'	G	A	17	-20.227	-26.646	89.685	1.00	0.00	H
ATOM	531	H22	G	A	17	-22.121	-21.205	83.651	1.00	0.00	H
ATOM	532	H4'	G	A	17	-22.368	-27.074	88.186	1.00	0.00	H
ATOM	533	H2'1	G	A	17	-20.312	-24.252	89.837	1.00	0.00	H
ATOM	534	H2'2	G	A	17	-19.236	-24.450	88.459	1.00	0.00	H
ATOM	535	H5'1	G	A	17	-23.850	-25.691	89.805	1.00	0.00	H
ATOM	536	H5'2	G	A	17	-22.931	-27.086	90.407	1.00	0.00	H
ATOM	537	C1'	G	A	18	-18.358	-22.457	84.273	1.00	0.00	C
ATOM	538	N1	G	A	18	-19.910	-17.850	85.819	1.00	0.00	N
ATOM	539	C2	G	A	18	-19.746	-18.348	84.538	1.00	0.00	C
ATOM	540	N2	G	A	18	-20.033	-17.506	83.536	1.00	0.00	N

ATOM	541	N3	G A	18	-19.331	-19.586	84.279	1.00	0.00	N
ATOM	542	C4	G A	18	-19.082	-20.296	85.410	1.00	0.00	C
ATOM	543	C5	G A	18	-19.213	-19.881	86.726	1.00	0.00	C
ATOM	544	C6	G A	18	-19.659	-18.567	87.002	1.00	0.00	C
ATOM	545	O6	G A	18	-19.835	-18.022	88.092	1.00	0.00	O
ATOM	546	N7	G A	18	-18.855	-20.913	87.594	1.00	0.00	N
ATOM	547	C8	G A	18	-18.529	-21.898	86.798	1.00	0.00	C
ATOM	548	N9	G A	18	-18.640	-21.599	85.457	1.00	0.00	N
ATOM	549	C2'	G A	18	-17.150	-23.367	84.448	1.00	0.00	C
ATOM	550	C3'	G A	18	-17.582	-24.616	83.697	1.00	0.00	C
ATOM	551	O3'	G A	18	-17.294	-24.451	82.310	1.00	0.00	O
ATOM	552	C4'	G A	18	-19.084	-24.675	83.970	1.00	0.00	C
ATOM	553	O4'	G A	18	-19.491	-23.273	84.050	1.00	0.00	O
ATOM	554	C5'	G A	18	-19.506	-25.374	85.241	1.00	0.00	C
ATOM	555	O5'	G A	18	-18.546	-25.105	86.292	1.00	0.00	O
ATOM	556	O1P	G A	18	-17.524	-27.362	86.741	1.00	0.00	O
ATOM	557	O2P	G A	18	-17.601	-25.637	88.559	1.00	0.00	O
ATOM	558	P	G A	18	-18.249	-26.243	87.371	1.00	0.00	P
ATOM	559	H1	G A	18	-20.244	-16.878	85.911	1.00	0.00	H
ATOM	560	H8	G A	18	-18.196	-22.871	87.162	1.00	0.00	H
ATOM	561	H1'	G A	18	-18.235	-21.809	83.404	1.00	0.00	H
ATOM	562	H21	G A	18	-20.357	-16.550	83.746	1.00	0.00	H
ATOM	563	H3'	G A	18	-17.079	-25.510	84.066	1.00	0.00	H
ATOM	564	H22	G A	18	-19.928	-17.815	82.561	1.00	0.00	H
ATOM	565	H4'	G A	18	-19.538	-25.204	83.133	1.00	0.00	H
ATOM	566	H2'1	G A	18	-16.947	-23.586	85.496	1.00	0.00	H
ATOM	567	H2'2	G A	18	-16.243	-22.939	84.021	1.00	0.00	H
ATOM	568	H5'1	G A	18	-20.490	-25.012	85.539	1.00	0.00	H
ATOM	569	H5'2	G A	18	-19.561	-26.447	85.057	1.00	0.00	H
ATOM	570	C1'	T A	19	-16.222	-18.970	81.482	1.00	0.00	C
ATOM	571	N1	T A	19	-16.162	-18.879	82.965	1.00	0.00	N
ATOM	572	C2	T A	19	-16.551	-17.686	83.540	1.00	0.00	C
ATOM	573	O2	T A	19	-16.932	-16.732	82.884	1.00	0.00	O
ATOM	574	N3	T A	19	-16.480	-17.646	84.920	1.00	0.00	N
ATOM	575	C4	T A	19	-16.063	-18.663	85.751	1.00	0.00	C
ATOM	576	O4	T A	19	-16.039	-18.508	86.978	1.00	0.00	O
ATOM	577	C5	T A	19	-15.675	-19.870	85.061	1.00	0.00	C
ATOM	578	C6	T A	19	-15.732	-19.946	83.716	1.00	0.00	C
ATOM	579	C7	T A	19	-15.216	-21.005	85.927	1.00	0.00	C
ATOM	580	C2'	T A	19	-15.072	-19.760	80.868	1.00	0.00	C
ATOM	581	C3'	T A	19	-15.753	-20.455	79.699	1.00	0.00	C
ATOM	582	O3'	T A	19	-15.783	-19.571	78.581	1.00	0.00	O
ATOM	583	C4'	T A	19	-17.149	-20.745	80.244	1.00	0.00	C
ATOM	584	O4'	T A	19	-17.429	-19.622	81.137	1.00	0.00	O
ATOM	585	C5'	T A	19	-17.314	-22.032	81.018	1.00	0.00	C
ATOM	586	O5'	T A	19	-16.119	-22.291	81.797	1.00	0.00	O
ATOM	587	O1P	T A	19	-15.181	-24.377	80.746	1.00	0.00	O
ATOM	588	O2P	T A	19	-14.714	-23.868	83.158	1.00	0.00	O
ATOM	589	P	T A	19	-15.660	-23.802	82.019	1.00	0.00	P
ATOM	590	H3	T A	19	-16.770	-16.767	85.373	1.00	0.00	H
ATOM	591	H6	T A	19	-15.435	-20.869	83.217	1.00	0.00	H
ATOM	592	H1'	T A	19	-16.258	-17.958	81.079	1.00	0.00	H
ATOM	593	H3'	T A	19	-15.240	-21.375	79.418	1.00	0.00	H
ATOM	594	H4'	T A	19	-17.822	-20.786	79.386	1.00	0.00	H

ATOM	595	H71	T A	19	-14.162	-21.204	85.738	1.00	0.00	H
ATOM	596	H72	T A	19	-15.352	-20.740	86.975	1.00	0.00	H
ATOM	597	H73	T A	19	-15.801	-21.898	85.700	1.00	0.00	H
ATOM	598	H2'1	T A	19	-14.647	-20.480	81.565	1.00	0.00	H
ATOM	599	H2'2	T A	19	-14.261	-19.114	80.529	1.00	0.00	H
ATOM	600	H5'1	T A	19	-18.174	-21.943	81.682	1.00	0.00	H
ATOM	601	H5'2	T A	19	-17.483	-22.851	80.320	1.00	0.00	H
ATOM	602	C01	LNK A	20	-13.188	-18.793	76.028	0.00	0.00	C
ATOM	603	O1	LNK A	20	-13.624	-19.460	77.215	1.00	0.00	O
ATOM	604	S	LNK A	20	-9.872	-18.361	73.869	0.00	0.00	S
ATOM	605	C02	LNK A	20	-11.700	-19.104	75.783	0.00	0.00	C
ATOM	606	C03	LNK A	20	-11.003	-17.858	75.204	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-13.516	-18.711	79.616	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-14.554	-17.223	77.882	1.00	0.00	O
ATOM	609	P	LNK A	20	-14.305	-18.600	78.373	1.00	0.00	P
ATOM	610	H01	LNK A	20	-13.319	-17.716	76.146	0.00	0.00	H
ATOM	611	H02	LNK A	20	-13.776	-19.139	75.179	0.00	0.00	H
ATOM	612	H03	LNK A	20	-10.436	-17.361	75.991	0.00	0.00	H
ATOM	613	H04	LNK A	20	-11.614	-19.931	75.076	0.00	0.00	H
ATOM	614	H05	LNK A	20	-11.227	-19.381	76.725	0.00	0.00	H
ATOM	615	H06	LNK A	20	-11.752	-17.173	74.807	0.00	0.00	H
ATOM	616	AU	LNK A	20	-9.489	-17.825	73.679			
TER										
ATOM	618	C1'	A B	2	-18.857	-10.517	87.845	1.00	0.00	C
ATOM	619	N1	A B	2	-17.299	-15.135	86.235	1.00	0.00	N
ATOM	620	C2	A B	2	-17.733	-14.058	85.588	1.00	0.00	C
ATOM	621	N3	A B	2	-18.116	-12.893	86.066	1.00	0.00	N
ATOM	622	C4	A B	2	-18.030	-12.890	87.410	1.00	0.00	C
ATOM	623	C5	A B	2	-17.609	-13.908	88.218	1.00	0.00	C
ATOM	624	C6	A B	2	-17.222	-15.102	87.574	1.00	0.00	C
ATOM	625	N6	A B	2	-16.787	-16.186	88.239	1.00	0.00	N
ATOM	626	N7	A B	2	-17.653	-13.538	89.551	1.00	0.00	N
ATOM	627	C8	A B	2	-18.100	-12.317	89.521	1.00	0.00	C
ATOM	628	N9	A B	2	-18.348	-11.855	88.255	1.00	0.00	N
ATOM	629	C2'	A B	2	-19.906	-9.945	88.790	1.00	0.00	C
ATOM	630	C3'	A B	2	-19.586	-8.459	88.755	1.00	0.00	C
ATOM	631	O3'	A B	2	-20.230	-7.869	87.629	1.00	0.00	O
ATOM	632	C4'	A B	2	-18.064	-8.442	88.624	1.00	0.00	C
ATOM	633	O4'	A B	2	-17.757	-9.629	87.822	1.00	0.00	O
ATOM	634	C5'	A B	2	-17.278	-8.512	89.912	1.00	0.00	C
ATOM	635	O5'	A B	2	-17.955	-9.382	90.852	1.00	0.00	O
ATOM	636	H2	A B	2	-17.775	-14.151	84.505	1.00	0.00	H
ATOM	637	H8	A B	2	-18.262	-11.718	90.418	1.00	0.00	H
ATOM	638	H1'	A B	2	-19.248	-10.598	86.831	1.00	0.00	H
ATOM	639	H3'	A B	2	-19.908	-7.950	89.663	1.00	0.00	H
ATOM	640	H4'	A B	2	-17.801	-7.511	88.123	1.00	0.00	H
ATOM	641	H61	A B	2	-16.513	-17.032	87.720	1.00	0.00	H
ATOM	642	H62	A B	2	-16.726	-16.169	89.267	1.00	0.00	H
ATOM	643	H2'1	A B	2	-19.817	-10.346	89.800	1.00	0.00	H
ATOM	644	H2'2	A B	2	-20.922	-10.140	88.447	1.00	0.00	H
ATOM	645	H5'1	A B	2	-16.282	-8.900	89.701	1.00	0.00	H
ATOM	646	H5'2	A B	2	-17.191	-7.511	90.331	1.00	0.00	H
ATOM	647	C1'	C B	3	-21.850	-12.179	84.248	1.00	0.00	C
ATOM	648	N1	C B	3	-21.549	-13.029	85.433	1.00	0.00	N

ATOM	649	C2	C B	3	-21.110	-14.331	85.206	1.00	0.00	C
ATOM	650	O2	C B	3	-20.987	-14.725	84.038	1.00	0.00	O
ATOM	651	N3	C B	3	-20.830	-15.121	86.270	1.00	0.00	N
ATOM	652	C4	C B	3	-20.973	-14.667	87.522	1.00	0.00	C
ATOM	653	N4	C B	3	-20.683	-15.482	88.527	1.00	0.00	N
ATOM	654	C5	C B	3	-21.428	-13.333	87.787	1.00	0.00	C
ATOM	655	C6	C B	3	-21.700	-12.552	86.698	1.00	0.00	C
ATOM	656	C2'	C B	3	-23.057	-11.270	84.436	1.00	0.00	C
ATOM	657	C3'	C B	3	-22.638	-10.023	83.671	1.00	0.00	C
ATOM	658	O3'	C B	3	-22.944	-10.197	82.290	1.00	0.00	O
ATOM	659	C4'	C B	3	-21.133	-9.960	83.925	1.00	0.00	C
ATOM	660	O4'	C B	3	-20.720	-11.361	84.008	1.00	0.00	O
ATOM	661	C5'	C B	3	-20.696	-9.251	85.187	1.00	0.00	C
ATOM	662	O5'	C B	3	-21.643	-9.518	86.252	1.00	0.00	O
ATOM	663	O1P	C B	3	-22.663	-7.262	86.701	1.00	0.00	O
ATOM	664	O2P	C B	3	-22.558	-8.978	88.529	1.00	0.00	O
ATOM	665	P	C B	3	-21.927	-8.377	87.328	1.00	0.00	P
ATOM	666	H5	C B	3	-21.553	-12.960	88.803	1.00	0.00	H
ATOM	667	H6	C B	3	-22.041	-11.529	86.848	1.00	0.00	H
ATOM	668	H1'	C B	3	-21.982	-12.830	83.384	1.00	0.00	H
ATOM	669	H3'	C B	3	-23.138	-9.129	84.043	1.00	0.00	H
ATOM	670	H4'	C B	3	-20.691	-9.433	83.080	1.00	0.00	H
ATOM	671	H41	C B	3	-20.780	-15.156	89.500	1.00	0.00	H
ATOM	672	H42	C B	3	-20.357	-16.441	88.335	1.00	0.00	H
ATOM	673	H2'1	C B	3	-23.248	-11.046	85.484	1.00	0.00	H
ATOM	674	H2'2	C B	3	-23.968	-11.702	84.021	1.00	0.00	H
ATOM	675	H5'1	C B	3	-19.708	-9.611	85.475	1.00	0.00	H
ATOM	676	H5'2	C B	3	-20.646	-8.181	84.997	1.00	0.00	H
ATOM	677	C1'	C B	4	-24.013	-15.706	81.528	1.00	0.00	C
ATOM	678	N1	C B	4	-24.059	-15.762	83.015	1.00	0.00	N
ATOM	679	C2	C B	4	-23.666	-16.944	83.636	1.00	0.00	C
ATOM	680	O2	C B	4	-23.294	-17.895	82.934	1.00	0.00	O
ATOM	681	N3	C B	4	-23.700	-17.016	84.989	1.00	0.00	N
ATOM	682	C4	C B	4	-24.106	-15.971	85.724	1.00	0.00	C
ATOM	683	N4	C B	4	-24.117	-16.094	87.042	1.00	0.00	N
ATOM	684	C5	C B	4	-24.522	-14.743	85.111	1.00	0.00	C
ATOM	685	C6	C B	4	-24.474	-14.693	83.747	1.00	0.00	C
ATOM	686	C2'	C B	4	-25.168	-14.933	80.907	1.00	0.00	C
ATOM	687	C3'	C B	4	-24.497	-14.266	79.716	1.00	0.00	C
ATOM	688	O3'	C B	4	-24.477	-15.176	78.619	1.00	0.00	O
ATOM	689	C4'	C B	4	-23.096	-13.963	80.240	1.00	0.00	C
ATOM	690	O4'	C B	4	-22.807	-15.065	81.158	1.00	0.00	O
ATOM	691	C5'	C B	4	-22.923	-12.657	80.984	1.00	0.00	C
ATOM	692	O5'	C B	4	-24.113	-12.380	81.766	1.00	0.00	O
ATOM	693	O1P	C B	4	-25.059	-10.319	80.674	1.00	0.00	O
ATOM	694	O2P	C B	4	-25.505	-10.770	83.101	1.00	0.00	O
ATOM	695	P	C B	4	-24.569	-10.864	81.954	1.00	0.00	P
ATOM	696	H5	C B	4	-24.860	-13.893	85.704	1.00	0.00	H
ATOM	697	H6	C B	4	-24.773	-13.778	83.236	1.00	0.00	H
ATOM	698	H1'	C B	4	-23.979	-16.728	81.149	1.00	0.00	H
ATOM	699	H3'	C B	4	-25.011	-13.352	79.417	1.00	0.00	H
ATOM	700	H4'	C B	4	-22.431	-13.943	79.377	1.00	0.00	H
ATOM	701	H41	C B	4	-24.422	-15.306	87.632	1.00	0.00	H
ATOM	702	H42	C B	4	-23.820	-16.979	87.481	1.00	0.00	H

ATOM	703	H2'1	C B	4	-25.587	-14.195	81.590	1.00	0.00	H
ATOM	704	H2'2	C B	4	-25.981	-15.587	80.590	1.00	0.00	H
ATOM	705	H5'1	C B	4	-22.058	-12.732	81.641	1.00	0.00	H
ATOM	706	H5'2	C B	4	-22.761	-11.857	80.263	1.00	0.00	H
ATOM	707	C1'	G B	5	-25.696	-20.294	80.720	1.00	0.00	C
ATOM	708	N1	G B	5	-26.041	-20.453	85.808	1.00	0.00	N
ATOM	709	C2	G B	5	-25.586	-21.410	84.917	1.00	0.00	C
ATOM	710	N2	G B	5	-25.168	-22.563	85.454	1.00	0.00	N
ATOM	711	N3	G B	5	-25.549	-21.229	83.598	1.00	0.00	N
ATOM	712	C4	G B	5	-26.015	-20.007	83.231	1.00	0.00	C
ATOM	713	C5	G B	5	-26.492	-18.994	84.046	1.00	0.00	C
ATOM	714	C6	G B	5	-26.527	-19.182	85.446	1.00	0.00	C
ATOM	715	O6	G B	5	-26.912	-18.410	86.323	1.00	0.00	O
ATOM	716	N7	G B	5	-26.876	-17.896	83.274	1.00	0.00	N
ATOM	717	C8	G B	5	-26.625	-18.268	82.044	1.00	0.00	C
ATOM	718	N9	G B	5	-26.100	-19.539	81.938	1.00	0.00	N
ATOM	719	C2'	G B	5	-26.611	-20.064	79.525	1.00	0.00	C
ATOM	720	C3'	G B	5	-25.631	-20.100	78.363	1.00	0.00	C
ATOM	721	O3'	G B	5	-25.414	-21.455	77.975	1.00	0.00	O
ATOM	722	C4'	G B	5	-24.377	-19.460	78.956	1.00	0.00	C
ATOM	723	O4'	G B	5	-24.395	-19.868	80.361	1.00	0.00	O
ATOM	724	C5'	G B	5	-24.297	-17.954	78.891	1.00	0.00	C
ATOM	725	O5'	G B	5	-25.614	-17.384	79.089	1.00	0.00	O
ATOM	726	O1P	G B	5	-26.127	-16.314	76.868	1.00	0.00	O
ATOM	727	O2P	G B	5	-27.169	-15.414	78.964	1.00	0.00	O
ATOM	728	P	G B	5	-25.996	-16.042	78.313	1.00	0.00	P
ATOM	729	H1	G B	5	-26.021	-20.689	86.812	1.00	0.00	H
ATOM	730	H8	G B	5	-26.813	-17.631	81.181	1.00	0.00	H
ATOM	731	H1'	G B	5	-25.644	-21.352	80.975	1.00	0.00	H
ATOM	732	H21	G B	5	-25.197	-22.694	86.476	1.00	0.00	H
ATOM	733	H3'	G B	5	-25.993	-19.533	77.505	1.00	0.00	H
ATOM	734	H22	G B	5	-24.820	-23.318	84.846	1.00	0.00	H
ATOM	735	H4'	G B	5	-23.526	-19.863	78.407	1.00	0.00	H
ATOM	736	H2'1	G B	5	-27.129	-19.106	79.578	1.00	0.00	H
ATOM	737	H2'2	G B	5	-27.369	-20.841	79.429	1.00	0.00	H
ATOM	738	H5'1	G B	5	-23.621	-17.598	79.668	1.00	0.00	H
ATOM	739	H5'2	G B	5	-23.911	-17.658	77.916	1.00	0.00	H
ATOM	740	C1'	T B	6	-27.432	-24.714	82.117	1.00	0.00	C
ATOM	741	N1	T B	6	-28.062	-23.466	82.629	1.00	0.00	N
ATOM	742	C2	T B	6	-28.228	-23.359	83.994	1.00	0.00	C
ATOM	743	O2	T B	6	-27.884	-24.233	84.772	1.00	0.00	O
ATOM	744	N3	T B	6	-28.815	-22.183	84.426	1.00	0.00	N
ATOM	745	C4	T B	6	-29.241	-21.138	83.634	1.00	0.00	C
ATOM	746	O4	T B	6	-29.759	-20.134	84.135	1.00	0.00	O
ATOM	747	C5	T B	6	-29.024	-21.342	82.221	1.00	0.00	C
ATOM	748	C6	T B	6	-28.454	-22.474	81.764	1.00	0.00	C
ATOM	749	C7	T B	6	-29.471	-20.228	81.322	1.00	0.00	C
ATOM	750	C2'	T B	6	-28.032	-25.210	80.807	1.00	0.00	C
ATOM	751	C3'	T B	6	-26.812	-25.778	80.097	1.00	0.00	C
ATOM	752	O3'	T B	6	-26.593	-27.116	80.539	1.00	0.00	O
ATOM	753	C4'	T B	6	-25.694	-24.834	80.533	1.00	0.00	C
ATOM	754	O4'	T B	6	-26.061	-24.445	81.895	1.00	0.00	O
ATOM	755	C5'	T B	6	-25.510	-23.582	79.707	1.00	0.00	C
ATOM	756	O5'	T B	6	-26.802	-23.090	79.270	1.00	0.00	O

ATOM	757	O1P	T B	6	-26.723	-23.383	76.772	1.00	0.00	O
ATOM	758	O2P	T B	6	-28.166	-21.595	77.781	1.00	0.00	O
ATOM	759	P	T B	6	-26.913	-22.386	77.843	1.00	0.00	P
ATOM	760	H3	T B	6	-28.948	-22.077	85.443	1.00	0.00	H
ATOM	761	H6	T B	6	-28.302	-22.604	80.693	1.00	0.00	H
ATOM	762	H1'	T B	6	-27.504	-25.476	82.892	1.00	0.00	H
ATOM	763	H3'	T B	6	-26.932	-25.772	79.014	1.00	0.00	H
ATOM	764	H4'	T B	6	-24.764	-25.402	80.487	1.00	0.00	H
ATOM	765	H71	T B	6	-30.291	-20.574	80.693	1.00	0.00	H
ATOM	766	H72	T B	6	-29.807	-19.384	81.925	1.00	0.00	H
ATOM	767	H73	T B	6	-28.639	-19.913	80.690	1.00	0.00	H
ATOM	768	H2'1	T B	6	-28.488	-24.408	80.231	1.00	0.00	H
ATOM	769	H2'2	T B	6	-28.791	-25.976	80.964	1.00	0.00	H
ATOM	770	H5'1	T B	6	-25.012	-22.824	80.310	1.00	0.00	H
ATOM	771	H5'2	T B	6	-24.893	-23.814	78.839	1.00	0.00	H
ATOM	772	C1'	C B	7	-29.753	-27.782	85.257	1.00	0.00	C
ATOM	773	N1	C B	7	-30.399	-26.508	84.828	1.00	0.00	N
ATOM	774	C2	C B	7	-30.893	-25.663	85.818	1.00	0.00	C
ATOM	775	O2	C B	7	-30.777	-25.998	87.005	1.00	0.00	O
ATOM	776	N3	C B	7	-31.483	-24.499	85.449	1.00	0.00	N
ATOM	777	C4	C B	7	-31.594	-24.164	84.158	1.00	0.00	C
ATOM	778	N4	C B	7	-32.177	-23.014	83.855	1.00	0.00	N
ATOM	779	C5	C B	7	-31.099	-25.017	83.117	1.00	0.00	C
ATOM	780	C6	C B	7	-30.503	-26.181	83.514	1.00	0.00	C
ATOM	781	C2'	C B	7	-30.052	-28.959	84.341	1.00	0.00	C
ATOM	782	C3'	C B	7	-28.741	-29.728	84.377	1.00	0.00	C
ATOM	783	O3'	C B	7	-28.729	-30.580	85.519	1.00	0.00	O
ATOM	784	C4'	C B	7	-27.698	-28.617	84.474	1.00	0.00	C
ATOM	785	O4'	C B	7	-28.353	-27.574	85.261	1.00	0.00	O
ATOM	786	C5'	C B	7	-27.232	-28.017	83.166	1.00	0.00	C
ATOM	787	O5'	C B	7	-28.343	-27.947	82.238	1.00	0.00	O
ATOM	788	O1P	C B	7	-27.683	-29.556	80.419	1.00	0.00	O
ATOM	789	O2P	C B	7	-29.198	-27.627	79.897	1.00	0.00	O
ATOM	790	P	C B	7	-28.057	-28.153	80.682	1.00	0.00	P
ATOM	791	H5	C B	7	-31.193	-24.750	82.065	1.00	0.00	H
ATOM	792	H6	C B	7	-30.104	-26.859	82.759	1.00	0.00	H
ATOM	793	H1'	C B	7	-30.064	-27.992	86.281	1.00	0.00	H
ATOM	794	H3'	C B	7	-28.594	-30.329	83.477	1.00	0.00	H
ATOM	795	H4'	C B	7	-26.826	-29.043	84.971	1.00	0.00	H
ATOM	796	H41	C B	7	-32.273	-22.729	82.868	1.00	0.00	H
ATOM	797	H42	C B	7	-32.535	-22.403	84.604	1.00	0.00	H
ATOM	798	H2'1	C B	7	-30.299	-28.644	83.328	1.00	0.00	H
ATOM	799	H2'2	C B	7	-30.880	-29.568	84.707	1.00	0.00	H
ATOM	800	H5'1	C B	7	-26.843	-27.015	83.352	1.00	0.00	H
ATOM	801	H5'2	C B	7	-26.442	-28.637	82.749	1.00	0.00	H
ATOM	802	C1'	C B	8	-32.942	-28.859	88.890	1.00	0.00	C
ATOM	803	N1	C B	8	-33.381	-28.069	87.707	1.00	0.00	N
ATOM	804	C2	C B	8	-34.041	-26.863	87.935	1.00	0.00	C
ATOM	805	O2	C B	8	-34.233	-26.499	89.103	1.00	0.00	O
ATOM	806	N3	C B	8	-34.448	-26.130	86.872	1.00	0.00	N
ATOM	807	C4	C B	8	-34.226	-26.550	85.619	1.00	0.00	C
ATOM	808	N4	C B	8	-34.644	-25.790	84.617	1.00	0.00	N
ATOM	809	C5	C B	8	-33.555	-27.789	85.353	1.00	0.00	C
ATOM	810	C6	C B	8	-33.149	-28.509	86.441	1.00	0.00	C

ATOM	811	C2'	C B	8	-33.093	-30.364	88.713	1.00	0.00	C
ATOM	812	C3'	C B	8	-31.880	-30.893	89.465	1.00	0.00	C
ATOM	813	O3'	C B	8	-32.197	-30.993	90.851	1.00	0.00	O
ATOM	814	C4'	C B	8	-30.819	-29.830	89.189	1.00	0.00	C
ATOM	815	O4'	C B	8	-31.573	-28.579	89.109	1.00	0.00	O
ATOM	816	C5'	C B	8	-30.018	-29.993	87.919	1.00	0.00	C
ATOM	817	O5'	C B	8	-30.869	-30.517	86.867	1.00	0.00	O
ATOM	818	O1P	C B	8	-29.903	-32.798	86.419	1.00	0.00	O
ATOM	819	O2P	C B	8	-31.120	-31.570	84.600	1.00	0.00	O
ATOM	820	P	C B	8	-30.235	-31.504	85.789	1.00	0.00	P
ATOM	821	H5	C B	8	-33.379	-28.138	84.335	1.00	0.00	H
ATOM	822	H6	C B	8	-32.628	-29.455	86.289	1.00	0.00	H
ATOM	823	H1'	C B	8	-33.501	-28.510	89.759	1.00	0.00	H
ATOM	824	H3'	C B	8	-31.565	-31.869	89.094	1.00	0.00	H
ATOM	825	H4'	C B	8	-30.121	-29.856	90.026	1.00	0.00	H
ATOM	826	H41	C B	8	-34.483	-26.088	83.643	1.00	0.00	H
ATOM	827	H42	C B	8	-35.128	-24.900	84.810	1.00	0.00	H
ATOM	828	H2'1	C B	8	-33.070	-30.662	87.665	1.00	0.00	H
ATOM	829	H2'2	C B	8	-34.022	-30.740	89.142	1.00	0.00	H
ATOM	830	H5'1	C B	8	-29.619	-29.024	87.620	1.00	0.00	H
ATOM	831	H5'2	C B	8	-29.193	-30.681	88.101	1.00	0.00	H
ATOM	832	C1'	T B	9	-36.958	-28.068	91.671	1.00	0.00	C
ATOM	833	N1	T B	9	-37.062	-28.053	90.188	1.00	0.00	N
ATOM	834	C2	T B	9	-37.677	-26.961	89.609	1.00	0.00	C
ATOM	835	O2	T B	9	-38.125	-26.036	90.262	1.00	0.00	O
ATOM	836	N3	T B	9	-37.750	-26.988	88.230	1.00	0.00	N
ATOM	837	C4	T B	9	-37.279	-27.985	87.401	1.00	0.00	C
ATOM	838	O4	T B	9	-37.406	-27.899	86.174	1.00	0.00	O
ATOM	839	C5	T B	9	-36.651	-29.084	88.097	1.00	0.00	C
ATOM	840	C6	T B	9	-36.562	-29.090	89.441	1.00	0.00	C
ATOM	841	C7	T B	9	-36.122	-30.190	87.233	1.00	0.00	C
ATOM	842	C2'	T B	9	-37.154	-29.448	92.288	1.00	0.00	C
ATOM	843	C3'	T B	9	-36.185	-29.412	93.460	1.00	0.00	C
ATOM	844	O3'	T B	9	-36.822	-28.792	94.575	1.00	0.00	O
ATOM	845	C4'	T B	9	-35.026	-28.579	92.917	1.00	0.00	C
ATOM	846	O4'	T B	9	-35.665	-27.615	92.020	1.00	0.00	O
ATOM	847	C5'	T B	9	-33.963	-29.327	92.147	1.00	0.00	C
ATOM	848	O5'	T B	9	-34.577	-30.386	91.369	1.00	0.00	O
ATOM	849	O1P	T B	9	-33.675	-32.484	92.426	1.00	0.00	O
ATOM	850	O2P	T B	9	-34.358	-32.489	90.011	1.00	0.00	O
ATOM	851	P	T B	9	-33.770	-31.744	91.151	1.00	0.00	P
ATOM	852	H3	T B	9	-38.201	-26.183	87.774	1.00	0.00	H
ATOM	853	H6	T B	9	-36.085	-29.932	89.943	1.00	0.00	H
ATOM	854	H1'	T B	9	-37.681	-27.356	92.072	1.00	0.00	H
ATOM	855	H3'	T B	9	-35.854	-30.411	93.743	1.00	0.00	H
ATOM	856	H4'	T B	9	-34.546	-28.108	93.776	1.00	0.00	H
ATOM	857	H71	T B	9	-36.687	-31.102	87.423	1.00	0.00	H
ATOM	858	H72	T B	9	-36.221	-29.912	86.184	1.00	0.00	H
ATOM	859	H73	T B	9	-35.070	-30.360	87.465	1.00	0.00	H
ATOM	860	H2'1	T B	9	-36.907	-30.249	91.593	1.00	0.00	H
ATOM	861	H2'2	T B	9	-38.179	-29.609	92.624	1.00	0.00	H
ATOM	862	H5'1	T B	9	-33.446	-28.634	91.484	1.00	0.00	H
ATOM	863	H5'2	T B	9	-33.248	-29.754	92.848	1.00	0.00	H
ATOM	864	C1'	A B	10	-41.470	-26.189	92.540	1.00	0.00	C

ATOM	865	N1	A B	10	-41.902	-26.341	87.428	1.00	0.00	N
ATOM	866	C2	A B	10	-42.249	-25.430	88.333	1.00	0.00	C
ATOM	867	N3	A B	10	-42.106	-25.453	89.640	1.00	0.00	N
ATOM	868	C4	A B	10	-41.520	-26.601	90.025	1.00	0.00	C
ATOM	869	C5	A B	10	-41.106	-27.633	89.227	1.00	0.00	C
ATOM	870	C6	A B	10	-41.319	-27.477	87.842	1.00	0.00	C
ATOM	871	N6	A B	10	-40.964	-28.405	86.937	1.00	0.00	N
ATOM	872	N7	A B	10	-40.544	-28.651	89.978	1.00	0.00	N
ATOM	873	C8	A B	10	-40.634	-28.221	91.202	1.00	0.00	C
ATOM	874	N9	A B	10	-41.212	-26.982	91.308	1.00	0.00	N
ATOM	875	C2'	A B	10	-41.893	-27.032	93.735	1.00	0.00	C
ATOM	876	C3'	A B	10	-41.235	-26.297	94.892	1.00	0.00	C
ATOM	877	O3'	A B	10	-42.078	-25.225	95.306	1.00	0.00	O
ATOM	878	C4'	A B	10	-39.928	-25.797	94.276	1.00	0.00	C
ATOM	879	O4'	A B	10	-40.269	-25.521	92.880	1.00	0.00	O
ATOM	880	C5'	A B	10	-38.761	-26.755	94.309	1.00	0.00	C
ATOM	881	O5'	A B	10	-39.235	-28.111	94.106	1.00	0.00	O
ATOM	882	O1P	A B	10	-38.748	-29.234	96.306	1.00	0.00	O
ATOM	883	O2P	A B	10	-38.831	-30.590	94.196	1.00	0.00	O
ATOM	884	P	A B	10	-38.489	-29.306	94.855	1.00	0.00	P
ATOM	885	H2	A B	10	-42.721	-24.534	87.932	1.00	0.00	H
ATOM	886	H8	A B	10	-40.282	-28.791	92.061	1.00	0.00	H
ATOM	887	H1'	A B	10	-42.221	-25.434	92.308	1.00	0.00	H
ATOM	888	H3'	A B	10	-41.044	-26.956	95.738	1.00	0.00	H
ATOM	889	H4'	A B	10	-39.640	-24.903	94.828	1.00	0.00	H
ATOM	890	H61	A B	10	-41.139	-28.241	85.936	1.00	0.00	H
ATOM	891	H62	A B	10	-40.516	-29.281	87.246	1.00	0.00	H
ATOM	892	H2'1	A B	10	-41.538	-28.059	93.665	1.00	0.00	H
ATOM	893	H2'2	A B	10	-42.977	-27.066	93.853	1.00	0.00	H
ATOM	894	H5'1	A B	10	-38.057	-26.490	93.520	1.00	0.00	H
ATOM	895	H5'2	A B	10	-38.264	-26.681	95.274	1.00	0.00	H
ATOM	896	C1'	G B	11	-45.921	-24.491	91.145	1.00	0.00	C
ATOM	897	N1	G B	11	-45.130	-27.400	87.030	1.00	0.00	N
ATOM	898	C2	G B	11	-45.650	-26.122	87.128	1.00	0.00	C
ATOM	899	N2	G B	11	-46.008	-25.543	85.975	1.00	0.00	N
ATOM	900	N3	G B	11	-45.799	-25.474	88.281	1.00	0.00	N
ATOM	901	C4	G B	11	-45.391	-26.214	89.345	1.00	0.00	C
ATOM	902	C5	G B	11	-44.867	-27.494	89.345	1.00	0.00	C
ATOM	903	C6	G B	11	-44.704	-28.183	88.121	1.00	0.00	C
ATOM	904	O6	G B	11	-44.261	-29.314	87.919	1.00	0.00	O
ATOM	905	N7	G B	11	-44.575	-27.897	90.650	1.00	0.00	N
ATOM	906	C8	G B	11	-44.922	-26.870	91.384	1.00	0.00	C
ATOM	907	N9	G B	11	-45.429	-25.809	90.662	1.00	0.00	N
ATOM	908	C2'	G B	11	-46.683	-24.565	92.461	1.00	0.00	C
ATOM	909	C3'	G B	11	-46.275	-23.268	93.139	1.00	0.00	C
ATOM	910	O3'	G B	11	-47.117	-22.214	92.676	1.00	0.00	O
ATOM	911	C4'	G B	11	-44.826	-23.090	92.688	1.00	0.00	C
ATOM	912	O4'	G B	11	-44.798	-23.655	91.339	1.00	0.00	O
ATOM	913	C5'	G B	11	-43.774	-23.779	93.524	1.00	0.00	C
ATOM	914	O5'	G B	11	-44.279	-25.053	93.995	1.00	0.00	O
ATOM	915	O1P	G B	11	-44.422	-24.738	96.487	1.00	0.00	O
ATOM	916	O2P	G B	11	-44.084	-27.032	95.530	1.00	0.00	O
ATOM	917	P	G B	11	-43.823	-25.576	95.432	1.00	0.00	P
ATOM	918	H1	G B	11	-45.050	-27.811	86.088	1.00	0.00	H

ATOM	919	H8	G B	11	-44.822	-26.857	92.468	1.00	0.00	H
ATOM	920	H1'	G B	11	-46.537	-24.048	90.361	1.00	0.00	H
ATOM	921	H21	G B	11	-45.887	-26.048	85.085	1.00	0.00	H
ATOM	922	H3'	G B	11	-46.343	-23.334	94.225	1.00	0.00	H
ATOM	923	H22	G B	11	-46.405	-24.592	85.978	1.00	0.00	H
ATOM	924	H4'	G B	11	-44.618	-22.019	92.706	1.00	0.00	H
ATOM	925	H2'1	G B	11	-46.394	-25.432	93.057	1.00	0.00	H
ATOM	926	H2'2	G B	11	-47.761	-24.613	92.312	1.00	0.00	H
ATOM	927	H5'1	G B	11	-42.882	-23.937	92.917	1.00	0.00	H
ATOM	928	H5'2	G B	11	-43.521	-23.145	94.374	1.00	0.00	H
ATOM	929	C1'	G B	12	-49.793	-24.137	88.077	1.00	0.00	C
ATOM	930	N1	G B	12	-48.240	-28.735	86.503	1.00	0.00	N
ATOM	931	C2	G B	12	-48.683	-27.647	85.770	1.00	0.00	C
ATOM	932	N2	G B	12	-48.717	-27.807	84.440	1.00	0.00	N
ATOM	933	N3	G B	12	-49.059	-26.493	86.318	1.00	0.00	N
ATOM	934	C4	G B	12	-48.966	-26.513	87.674	1.00	0.00	C
ATOM	935	C5	G B	12	-48.541	-27.549	88.488	1.00	0.00	C
ATOM	936	C6	G B	12	-48.138	-28.772	87.906	1.00	0.00	C
ATOM	937	O6	G B	12	-47.736	-29.798	88.456	1.00	0.00	O
ATOM	938	N7	G B	12	-48.596	-27.164	89.828	1.00	0.00	N
ATOM	939	C8	G B	12	-49.039	-25.934	89.787	1.00	0.00	C
ATOM	940	N9	G B	12	-49.288	-25.467	88.513	1.00	0.00	N
ATOM	941	C2'	G B	12	-50.849	-23.549	89.003	1.00	0.00	C
ATOM	942	C3'	G B	12	-50.529	-22.064	88.948	1.00	0.00	C
ATOM	943	O3'	G B	12	-51.165	-21.490	87.809	1.00	0.00	O
ATOM	944	C4'	G B	12	-49.007	-22.049	88.828	1.00	0.00	C
ATOM	945	O4'	G B	12	-48.695	-23.247	88.049	1.00	0.00	O
ATOM	946	C5'	G B	12	-48.231	-22.101	90.124	1.00	0.00	C
ATOM	947	O5'	G B	12	-48.916	-22.956	91.072	1.00	0.00	O
ATOM	948	O1P	G B	12	-49.627	-21.361	92.885	1.00	0.00	O
ATOM	949	O2P	G B	12	-49.224	-23.777	93.427	1.00	0.00	O
ATOM	950	P	G B	12	-48.851	-22.587	92.624	1.00	0.00	P
ATOM	951	H1	G B	12	-47.966	-29.581	85.980	1.00	0.00	H
ATOM	952	H8	G B	12	-49.198	-25.329	90.680	1.00	0.00	H
ATOM	953	H1'	G B	12	-50.174	-24.233	87.061	1.00	0.00	H
ATOM	954	H21	G B	12	-48.421	-28.700	84.022	1.00	0.00	H
ATOM	955	H3'	G B	12	-50.858	-21.541	89.847	1.00	0.00	H
ATOM	956	H22	G B	12	-49.040	-27.036	83.839	1.00	0.00	H
ATOM	957	H4'	G B	12	-48.738	-21.126	88.316	1.00	0.00	H
ATOM	958	H2'1	G B	12	-50.769	-23.935	90.020	1.00	0.00	H
ATOM	959	H2'2	G B	12	-51.862	-23.750	88.656	1.00	0.00	H
ATOM	960	H5'1	G B	12	-47.233	-22.493	89.928	1.00	0.00	H
ATOM	961	H5'2	G B	12	-48.146	-21.092	90.530	1.00	0.00	H
ATOM	962	C1'	T B	13	-52.800	-25.756	84.495	1.00	0.00	C
ATOM	963	N1	T B	13	-52.495	-26.623	85.663	1.00	0.00	N
ATOM	964	C2	T B	13	-52.062	-27.907	85.400	1.00	0.00	C
ATOM	965	O2	T B	13	-51.929	-28.338	84.268	1.00	0.00	O
ATOM	966	N3	T B	13	-51.790	-28.678	86.514	1.00	0.00	N
ATOM	967	C4	T B	13	-51.910	-28.289	87.833	1.00	0.00	C
ATOM	968	O4	T B	13	-51.639	-29.072	88.750	1.00	0.00	O
ATOM	969	C5	T B	13	-52.367	-26.930	88.009	1.00	0.00	C
ATOM	970	C6	T B	13	-52.643	-26.150	86.944	1.00	0.00	C
ATOM	971	C7	T B	13	-52.511	-26.463	89.426	1.00	0.00	C
ATOM	972	C2'	T B	13	-54.006	-24.846	84.702	1.00	0.00	C

ATOM	973	C3'	T B	13	-53.587	-23.590	83.952	1.00	0.00	C
ATOM	974	O3'	T B	13	-53.904	-23.743	82.571	1.00	0.00	O
ATOM	975	C4'	T B	13	-52.082	-23.532	84.198	1.00	0.00	C
ATOM	976	O4'	T B	13	-51.672	-24.936	84.258	1.00	0.00	O
ATOM	977	C5'	T B	13	-51.634	-22.843	85.467	1.00	0.00	C
ATOM	978	O5'	T B	13	-52.576	-23.123	86.534	1.00	0.00	O
ATOM	979	O1P	T B	13	-53.589	-20.872	87.021	1.00	0.00	O
ATOM	980	O2P	T B	13	-53.476	-22.614	88.824	1.00	0.00	O
ATOM	981	P	T B	13	-52.850	-21.997	87.629	1.00	0.00	P
ATOM	982	H3	T B	13	-51.462	-29.640	86.344	1.00	0.00	H
ATOM	983	H6	T B	13	-52.986	-25.128	87.102	1.00	0.00	H
ATOM	984	H1'	T B	13	-52.940	-26.393	83.622	1.00	0.00	H
ATOM	985	H3'	T B	13	-54.085	-22.701	84.340	1.00	0.00	H
ATOM	986	H4'	T B	13	-51.644	-22.995	83.357	1.00	0.00	H
ATOM	987	H71	T B	13	-53.562	-26.271	89.642	1.00	0.00	H
ATOM	988	H72	T B	13	-52.137	-27.234	90.102	1.00	0.00	H
ATOM	989	H73	T B	13	-51.938	-25.546	89.567	1.00	0.00	H
ATOM	990	H2'1	T B	13	-54.189	-24.637	85.755	1.00	0.00	H
ATOM	991	H2'2	T B	13	-54.920	-25.270	84.288	1.00	0.00	H
ATOM	992	H5'1	T B	13	-50.644	-23.208	85.742	1.00	0.00	H
ATOM	993	H5'2	T B	13	-51.585	-21.770	85.292	1.00	0.00	H
ATOM	994	C1'	G B	14	-54.956	-29.306	81.774	1.00	0.00	C
ATOM	995	N1	G B	14	-54.105	-32.204	85.886	1.00	0.00	N
ATOM	996	C2	G B	14	-53.944	-32.499	84.544	1.00	0.00	C
ATOM	997	N2	G B	14	-53.500	-33.728	84.259	1.00	0.00	N
ATOM	998	N3	G B	14	-54.206	-31.634	83.565	1.00	0.00	N
ATOM	999	C4	G B	14	-54.653	-30.439	84.036	1.00	0.00	C
ATOM	1000	C5	G B	14	-54.848	-30.059	85.352	1.00	0.00	C
ATOM	1001	C6	G B	14	-54.567	-30.974	86.393	1.00	0.00	C
ATOM	1002	O6	G B	14	-54.676	-30.822	87.611	1.00	0.00	O
ATOM	1003	N7	G B	14	-55.321	-28.745	85.410	1.00	0.00	N
ATOM	1004	C8	G B	14	-55.393	-28.380	84.156	1.00	0.00	C
ATOM	1005	N9	G B	14	-55.005	-29.357	83.261	1.00	0.00	N
ATOM	1006	C2'	G B	14	-56.107	-28.530	81.148	1.00	0.00	C
ATOM	1007	C3'	G B	14	-55.434	-27.870	79.955	1.00	0.00	C
ATOM	1008	O3'	G B	14	-55.415	-28.784	78.863	1.00	0.00	O
ATOM	1009	C4'	G B	14	-54.030	-27.569	80.483	1.00	0.00	C
ATOM	1010	O4'	G B	14	-53.749	-28.669	81.404	1.00	0.00	O
ATOM	1011	C5'	G B	14	-53.856	-26.263	81.220	1.00	0.00	C
ATOM	1012	O5'	G B	14	-55.043	-25.978	82.001	1.00	0.00	O
ATOM	1013	O1P	G B	14	-55.983	-23.918	80.901	1.00	0.00	O
ATOM	1014	O2P	G B	14	-56.432	-24.359	83.329	1.00	0.00	O
ATOM	1015	P	G B	14	-55.496	-24.459	82.184	1.00	0.00	P
ATOM	1016	H1	G B	14	-53.868	-32.942	86.567	1.00	0.00	H
ATOM	1017	H8	G B	14	-55.731	-27.390	83.846	1.00	0.00	H
ATOM	1018	H1'	G B	14	-54.924	-30.329	81.398	1.00	0.00	H
ATOM	1019	H21	G B	14	-53.297	-34.390	85.023	1.00	0.00	H
ATOM	1020	H3'	G B	14	-55.944	-26.955	79.654	1.00	0.00	H
ATOM	1021	H22	G B	14	-53.363	-34.012	83.278	1.00	0.00	H
ATOM	1022	H4'	G B	14	-53.365	-27.555	79.619	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-56.524	-27.789	81.829	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-56.921	-29.181	80.833	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-52.992	-26.337	81.878	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-53.689	-25.464	80.498	1.00	0.00	H

ATOM	1027	C1'	C B	15	-56.638	-33.894	80.965	1.00	0.00	C
ATOM	1028	N1	C B	15	-57.040	-33.144	82.186	1.00	0.00	N
ATOM	1029	C2	C B	15	-56.884	-33.774	83.420	1.00	0.00	C
ATOM	1030	O2	C B	15	-56.421	-34.922	83.449	1.00	0.00	O
ATOM	1031	N3	C B	15	-57.244	-33.109	84.544	1.00	0.00	N
ATOM	1032	C4	C B	15	-57.743	-31.868	84.480	1.00	0.00	C
ATOM	1033	N4	C B	15	-58.075	-31.263	85.610	1.00	0.00	N
ATOM	1034	C5	C B	15	-57.919	-31.197	83.224	1.00	0.00	C
ATOM	1035	C6	C B	15	-57.545	-31.884	82.106	1.00	0.00	C
ATOM	1036	C2'	C B	15	-57.558	-33.664	79.774	1.00	0.00	C
ATOM	1037	C3'	C B	15	-56.580	-33.694	78.608	1.00	0.00	C
ATOM	1038	O3'	C B	15	-56.361	-35.047	78.215	1.00	0.00	O
ATOM	1039	C4'	C B	15	-55.327	-33.053	79.199	1.00	0.00	C
ATOM	1040	O4'	C B	15	-55.339	-33.462	80.604	1.00	0.00	O
ATOM	1041	C5'	C B	15	-55.251	-31.544	79.138	1.00	0.00	C
ATOM	1042	O5'	C B	15	-56.570	-30.980	79.341	1.00	0.00	O
ATOM	1043	O1P	C B	15	-57.093	-29.905	77.125	1.00	0.00	O
ATOM	1044	O2P	C B	15	-58.132	-29.013	79.227	1.00	0.00	O
ATOM	1045	P	C B	15	-56.958	-29.638	78.571	1.00	0.00	P
ATOM	1046	H5	C B	15	-58.331	-30.189	83.168	1.00	0.00	H
ATOM	1047	H6	C B	15	-57.654	-31.413	81.129	1.00	0.00	H
ATOM	1048	H1'	C B	15	-56.582	-34.953	81.218	1.00	0.00	H
ATOM	1049	H3'	C B	15	-56.948	-33.125	77.754	1.00	0.00	H
ATOM	1050	H4'	C B	15	-54.476	-33.451	78.646	1.00	0.00	H
ATOM	1051	H41	C B	15	-58.459	-30.306	85.590	1.00	0.00	H
ATOM	1052	H42	C B	15	-57.950	-31.749	86.512	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-58.078	-32.709	79.831	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-58.313	-34.444	79.678	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-54.573	-31.188	79.914	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-54.870	-31.245	78.162	1.00	0.00	H
ATOM	1057	C1'	G B	16	-58.380	-38.306	82.386	1.00	0.00	C
ATOM	1058	N1	G B	16	-59.934	-35.731	86.506	1.00	0.00	N
ATOM	1059	C2	G B	16	-59.345	-36.980	86.409	1.00	0.00	C
ATOM	1060	N2	G B	16	-59.145	-37.628	87.563	1.00	0.00	N
ATOM	1061	N3	G B	16	-58.983	-37.534	85.253	1.00	0.00	N
ATOM	1062	C4	G B	16	-59.267	-36.740	84.188	1.00	0.00	C
ATOM	1063	C5	G B	16	-59.856	-35.487	84.188	1.00	0.00	C
ATOM	1064	C6	G B	16	-60.236	-34.895	85.416	1.00	0.00	C
ATOM	1065	O6	G B	16	-60.766	-33.803	85.618	1.00	0.00	O
ATOM	1066	N7	G B	16	-59.973	-35.008	82.882	1.00	0.00	N
ATOM	1067	C8	G B	16	-59.460	-35.962	82.148	1.00	0.00	C
ATOM	1068	N9	G B	16	-59.011	-37.049	82.870	1.00	0.00	N
ATOM	1069	C2'	G B	16	-58.967	-38.824	81.080	1.00	0.00	C
ATOM	1070	C3'	G B	16	-57.744	-39.405	80.390	1.00	0.00	C
ATOM	1071	O3'	G B	16	-57.530	-40.735	80.856	1.00	0.00	O
ATOM	1072	C4'	G B	16	-56.628	-38.455	80.820	1.00	0.00	C
ATOM	1073	O4'	G B	16	-57.007	-38.044	82.172	1.00	0.00	O
ATOM	1074	C5'	G B	16	-56.435	-37.219	79.974	1.00	0.00	C
ATOM	1075	O5'	G B	16	-57.721	-36.732	79.517	1.00	0.00	O
ATOM	1076	O1P	G B	16	-57.619	-37.066	77.026	1.00	0.00	O
ATOM	1077	O2P	G B	16	-59.068	-35.261	77.991	1.00	0.00	O
ATOM	1078	P	G B	16	-57.817	-36.052	78.078	1.00	0.00	P
ATOM	1079	H1	G B	16	-60.169	-35.389	87.450	1.00	0.00	H
ATOM	1080	H8	G B	16	-59.396	-35.904	81.062	1.00	0.00	H

ATOM	1081	H1'	G B	16	-58.459	-39.054	83.174	1.00	0.00	H
ATOM	1082	H21	G B	16	-59.423	-37.192	88.453	1.00	0.00	H
ATOM	1083	H3'	G B	16	-57.853	-39.417	79.305	1.00	0.00	H
ATOM	1084	H22	G B	16	-58.712	-38.563	87.558	1.00	0.00	H
ATOM	1085	H4'	G B	16	-55.698	-39.026	80.793	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-59.419	-38.030	80.485	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-59.731	-39.585	81.243	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-55.941	-36.452	80.570	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-55.809	-37.467	79.117	1.00	0.00	H
ATOM	1090	C1'	G B	17	-60.696	-41.380	85.502	1.00	0.00	C
ATOM	1091	N1	G B	17	-63.013	-37.117	87.084	1.00	0.00	N
ATOM	1092	C2	G B	17	-62.500	-38.175	87.815	1.00	0.00	C
ATOM	1093	N2	G B	17	-62.623	-38.084	89.145	1.00	0.00	N
ATOM	1094	N3	G B	17	-61.912	-39.235	87.264	1.00	0.00	N
ATOM	1095	C4	G B	17	-61.882	-39.161	85.908	1.00	0.00	C
ATOM	1096	C5	G B	17	-62.369	-38.153	85.096	1.00	0.00	C
ATOM	1097	C6	G B	17	-62.989	-37.025	85.678	1.00	0.00	C
ATOM	1098	O6	G B	17	-63.479	-36.037	85.130	1.00	0.00	O
ATOM	1099	N7	G B	17	-62.140	-38.461	83.753	1.00	0.00	N
ATOM	1100	C8	G B	17	-61.533	-39.618	83.793	1.00	0.00	C
ATOM	1101	N9	G B	17	-61.341	-40.110	85.068	1.00	0.00	N
ATOM	1102	C2'	G B	17	-60.989	-42.560	84.587	1.00	0.00	C
ATOM	1103	C3'	G B	17	-59.678	-43.329	84.629	1.00	0.00	C
ATOM	1104	O3'	G B	17	-59.670	-44.178	85.773	1.00	0.00	O
ATOM	1105	C4'	G B	17	-58.636	-42.216	84.728	1.00	0.00	C
ATOM	1106	O4'	G B	17	-59.297	-41.173	85.511	1.00	0.00	O
ATOM	1107	C5'	G B	17	-58.167	-41.617	83.424	1.00	0.00	C
ATOM	1108	O5'	G B	17	-59.272	-41.549	82.489	1.00	0.00	O
ATOM	1109	O1P	G B	17	-58.603	-43.163	80.677	1.00	0.00	O
ATOM	1110	O2P	G B	17	-60.118	-41.235	80.143	1.00	0.00	O
ATOM	1111	P	G B	17	-58.978	-41.759	80.935	1.00	0.00	P
ATOM	1112	H1	G B	17	-63.443	-36.341	87.608	1.00	0.00	H
ATOM	1113	H8	G B	17	-61.207	-40.149	82.899	1.00	0.00	H
ATOM	1114	H1'	G B	17	-61.011	-41.590	86.524	1.00	0.00	H
ATOM	1115	H21	G B	17	-63.077	-37.259	89.565	1.00	0.00	H
ATOM	1116	H3'	G B	17	-59.527	-43.930	83.732	1.00	0.00	H
ATOM	1117	H22	G B	17	-62.265	-38.839	89.747	1.00	0.00	H
ATOM	1118	H4'	G B	17	-57.767	-42.639	85.232	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-61.233	-42.247	83.572	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-61.818	-43.168	84.948	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-57.778	-40.616	83.609	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-57.372	-42.240	83.010	1.00	0.00	H
ATOM	1123	C1'	C B	18	-63.885	-42.458	89.135	1.00	0.00	C
ATOM	1124	N1	C B	18	-64.324	-41.669	87.951	1.00	0.00	N
ATOM	1125	C2	C B	18	-64.982	-40.462	88.181	1.00	0.00	C
ATOM	1126	O2	C B	18	-65.174	-40.099	89.348	1.00	0.00	O
ATOM	1127	N3	C B	18	-65.390	-39.729	87.116	1.00	0.00	N
ATOM	1128	C4	C B	18	-65.167	-40.151	85.865	1.00	0.00	C
ATOM	1129	N4	C B	18	-65.586	-39.392	84.862	1.00	0.00	N
ATOM	1130	C5	C B	18	-64.495	-41.387	85.602	1.00	0.00	C
ATOM	1131	C6	C B	18	-64.092	-42.108	86.686	1.00	0.00	C
ATOM	1132	C2'	C B	18	-64.035	-43.964	88.958	1.00	0.00	C
ATOM	1133	C3'	C B	18	-62.823	-44.493	89.710	1.00	0.00	C
ATOM	1134	O3'	C B	18	-63.139	-44.593	91.097	1.00	0.00	O

ATOM	1135	C4'	C B	18	-61.762	-43.430	89.435	1.00	0.00	C
ATOM	1136	O4'	C B	18	-62.515	-42.178	89.355	1.00	0.00	O
ATOM	1137	C5'	C B	18	-60.960	-43.593	88.164	1.00	0.00	C
ATOM	1138	O5'	C B	18	-61.812	-44.116	87.114	1.00	0.00	O
ATOM	1139	O1P	C B	18	-60.845	-46.396	86.663	1.00	0.00	O
ATOM	1140	O2P	C B	18	-62.063	-45.168	84.844	1.00	0.00	O
ATOM	1141	P	C B	18	-61.178	-45.103	86.034	1.00	0.00	P
ATOM	1142	H5	C B	18	-64.316	-41.736	84.584	1.00	0.00	H
ATOM	1143	H6	C B	18	-63.573	-43.054	86.535	1.00	0.00	H
ATOM	1144	H1'	C B	18	-64.443	-42.110	90.003	1.00	0.00	H
ATOM	1145	H3'	C B	18	-62.507	-45.468	89.340	1.00	0.00	H
ATOM	1146	H4'	C B	18	-61.063	-43.455	90.272	1.00	0.00	H
ATOM	1147	H41	C B	18	-65.426	-39.692	83.889	1.00	0.00	H
ATOM	1148	H42	C B	18	-66.069	-38.503	85.055	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-64.013	-44.262	87.911	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-64.964	-44.339	89.386	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-60.561	-42.623	87.865	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-60.136	-44.279	88.347	1.00	0.00	H
ATOM	1153	C1'	C B	19	-67.910	-41.651	91.905	1.00	0.00	C
ATOM	1154	N1	C B	19	-68.002	-41.655	90.419	1.00	0.00	N
ATOM	1155	C2	C B	19	-68.615	-40.568	89.799	1.00	0.00	C
ATOM	1156	O2	C B	19	-69.054	-39.649	90.502	1.00	0.00	O
ATOM	1157	N3	C B	19	-68.708	-40.554	88.448	1.00	0.00	N
ATOM	1158	C4	C B	19	-68.223	-41.565	87.713	1.00	0.00	C
ATOM	1159	N4	C B	19	-68.340	-41.499	86.398	1.00	0.00	N
ATOM	1160	C5	C B	19	-67.591	-42.694	88.325	1.00	0.00	C
ATOM	1161	C6	C B	19	-67.506	-42.686	89.686	1.00	0.00	C
ATOM	1162	C2'	C B	19	-68.113	-43.020	92.535	1.00	0.00	C
ATOM	1163	C3'	C B	19	-67.152	-42.970	93.715	1.00	0.00	C
ATOM	1164	O3'	C B	19	-67.794	-42.333	94.816	1.00	0.00	O
ATOM	1165	C4'	C B	19	-65.988	-42.147	93.169	1.00	0.00	C
ATOM	1166	O4'	C B	19	-66.617	-41.194	92.254	1.00	0.00	O
ATOM	1167	C5'	C B	19	-64.921	-42.906	92.416	1.00	0.00	C
ATOM	1168	O5'	C B	19	-65.529	-43.975	91.648	1.00	0.00	O
ATOM	1169	O1P	C B	19	-64.638	-46.059	92.741	1.00	0.00	O
ATOM	1170	O2P	C B	19	-65.304	-46.096	90.322	1.00	0.00	O
ATOM	1171	P	C B	19	-64.724	-45.336	91.456	1.00	0.00	P
ATOM	1172	H5	C B	19	-67.196	-43.520	87.734	1.00	0.00	H
ATOM	1173	H6	C B	19	-67.032	-43.524	90.195	1.00	0.00	H
ATOM	1174	H1'	C B	19	-68.636	-40.931	92.288	1.00	0.00	H
ATOM	1175	H3'	C B	19	-66.823	-43.966	94.014	1.00	0.00	H
ATOM	1176	H4'	C B	19	-65.513	-41.665	94.025	1.00	0.00	H
ATOM	1177	H41	C B	19	-67.975	-42.261	85.808	1.00	0.00	H
ATOM	1178	H42	C B	19	-68.796	-40.684	85.959	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-67.862	-43.832	91.854	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-69.140	-43.175	92.867	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-64.398	-42.223	91.749	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-64.210	-43.324	93.129	1.00	0.00	H
ATOM	1183	C1'	T B	20	-72.411	-39.790	92.784	1.00	0.00	C
ATOM	1184	N1	T B	20	-72.158	-40.582	91.553	1.00	0.00	N
ATOM	1185	C2	T B	20	-72.543	-40.022	90.352	1.00	0.00	C
ATOM	1186	O2	T B	20	-73.072	-38.926	90.274	1.00	0.00	O
ATOM	1187	N3	T B	20	-72.289	-40.793	89.234	1.00	0.00	N
ATOM	1188	C4	T B	20	-71.701	-42.038	89.211	1.00	0.00	C

ATOM	1189	O4	T B	20	-71.525	-42.636	88.141	1.00	0.00	O
ATOM	1190	C5	T B	20	-71.331	-42.541	90.511	1.00	0.00	C
ATOM	1191	C6	T B	20	-71.564	-41.818	91.625	1.00	0.00	C
ATOM	1192	C7	T B	20	-70.686	-43.895	90.534	1.00	0.00	C
ATOM	1193	C2'	T B	20	-72.839	-40.633	93.980	1.00	0.00	C
ATOM	1194	C3'	T B	20	-72.176	-39.900	95.137	1.00	0.00	C
ATOM	1195	O3'	T B	20	-73.016	-38.827	95.556	1.00	0.00	O
ATOM	1196	C4'	T B	20	-70.869	-39.405	94.522	1.00	0.00	C
ATOM	1197	O4'	T B	20	-71.210	-39.126	93.127	1.00	0.00	O
ATOM	1198	C5'	T B	20	-69.705	-40.369	94.551	1.00	0.00	C
ATOM	1199	O5'	T B	20	-70.184	-41.722	94.348	1.00	0.00	O
ATOM	1200	O1P	T B	20	-69.700	-42.848	96.545	1.00	0.00	O
ATOM	1201	O2P	T B	20	-69.789	-44.201	94.434	1.00	0.00	O
ATOM	1202	P	T B	20	-69.442	-42.919	95.093	1.00	0.00	P
ATOM	1203	H3	T B	20	-72.567	-40.397	88.325	1.00	0.00	H
ATOM	1204	H6	T B	20	-71.276	-42.219	92.596	1.00	0.00	H
ATOM	1205	H1'	T B	20	-73.160	-39.030	92.555	1.00	0.00	H
ATOM	1206	H3'	T B	20	-71.988	-40.561	95.982	1.00	0.00	H
ATOM	1207	H4'	T B	20	-70.577	-38.513	95.077	1.00	0.00	H
ATOM	1208	H3T	T B	20	-73.922	-39.074	95.758	1.00	0.00	H
ATOM	1209	H71	T B	20	-71.339	-44.601	91.046	1.00	0.00	H
ATOM	1210	H72	T B	20	-70.515	-44.233	89.511	1.00	0.00	H
ATOM	1211	H73	T B	20	-69.732	-43.836	91.061	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-72.487	-41.659	93.907	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-73.922	-40.664	94.098	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-69.001	-40.103	93.764	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-69.206	-40.296	95.517	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-55.864	-37.208	120.310	1.00	0.00	C
ATOM	2	N1	A A	1	-53.472	-41.748	120.386	1.00	0.00	N
ATOM	3	C2	A A	1	-53.401	-40.681	121.177	1.00	0.00	C
ATOM	4	N3	A A	1	-54.052	-39.540	121.103	1.00	0.00	N
ATOM	5	C4	A A	1	-54.876	-39.542	120.041	1.00	0.00	C
ATOM	6	C5	A A	1	-55.063	-40.549	119.135	1.00	0.00	C
ATOM	7	C6	A A	1	-54.304	-41.721	119.334	1.00	0.00	C
ATOM	8	N6	A A	1	-54.382	-42.793	118.527	1.00	0.00	N
ATOM	9	N7	A A	1	-55.994	-40.191	118.176	1.00	0.00	N
ATOM	10	C8	A A	1	-56.345	-38.987	118.516	1.00	0.00	C
ATOM	11	N9	A A	1	-55.709	-38.526	119.639	1.00	0.00	N
ATOM	12	C2'	A A	1	-56.053	-36.046	119.344	1.00	0.00	C
ATOM	13	C3'	A A	1	-57.019	-35.155	120.106	1.00	0.00	C
ATOM	14	O3'	A A	1	-56.284	-34.328	121.007	1.00	0.00	O
ATOM	15	C4'	A A	1	-57.906	-36.160	120.840	1.00	0.00	C
ATOM	16	O4'	A A	1	-57.010	-37.279	121.138	1.00	0.00	O
ATOM	17	C5'	A A	1	-59.097	-36.685	120.075	1.00	0.00	C
ATOM	18	O5'	A A	1	-58.752	-36.845	118.676	1.00	0.00	O
ATOM	19	H2	A A	1	-52.704	-40.765	122.011	1.00	0.00	H
ATOM	20	H8	A A	1	-57.076	-38.399	117.960	1.00	0.00	H
ATOM	21	H1'	A A	1	-54.997	-37.048	120.950	1.00	0.00	H
ATOM	22	H3'	A A	1	-57.609	-34.525	119.438	1.00	0.00	H
ATOM	23	H4'	A A	1	-58.277	-35.661	121.734	1.00	0.00	H
ATOM	24	H61	A A	1	-53.808	-43.623	118.717	1.00	0.00	H
ATOM	25	H62	A A	1	-55.021	-42.779	117.717	1.00	0.00	H
ATOM	26	H5T	A A	1	-59.427	-36.687	118.013	1.00	0.00	H

ATOM	27	H2'1	A	A	1	-56.474	-36.364	118.392	1.00	0.00	H
ATOM	28	H2'2	A	A	1	-55.117	-35.527	119.134	1.00	0.00	H
ATOM	29	H5'1	A	A	1	-59.395	-37.647	120.493	1.00	0.00	H
ATOM	30	H5'2	A	A	1	-59.923	-35.984	120.173	1.00	0.00	H
ATOM	31	C1'	G	A	2	-51.049	-36.594	121.355	1.00	0.00	C
ATOM	32	N1	G	A	2	-50.506	-41.004	118.850	1.00	0.00	N
ATOM	33	C2	G	A	2	-49.916	-40.572	120.022	1.00	0.00	C
ATOM	34	N2	G	A	2	-49.067	-41.426	120.604	1.00	0.00	N
ATOM	35	N3	G	A	2	-50.154	-39.382	120.572	1.00	0.00	N
ATOM	36	C4	G	A	2	-51.034	-38.644	119.844	1.00	0.00	C
ATOM	37	C5	G	A	2	-51.671	-38.993	118.664	1.00	0.00	C
ATOM	38	C6	G	A	2	-51.421	-40.258	118.084	1.00	0.00	C
ATOM	39	O6	G	A	2	-51.885	-40.744	117.053	1.00	0.00	O
ATOM	40	N7	G	A	2	-52.499	-37.952	118.237	1.00	0.00	N
ATOM	41	C8	G	A	2	-52.345	-37.030	119.153	1.00	0.00	C
ATOM	42	N9	G	A	2	-51.470	-37.377	120.162	1.00	0.00	N
ATOM	43	C2'	G	A	2	-50.883	-35.105	121.085	1.00	0.00	C
ATOM	44	C3'	G	A	2	-51.362	-34.489	122.389	1.00	0.00	C
ATOM	45	O3'	G	A	2	-50.285	-34.472	123.323	1.00	0.00	O
ATOM	46	C4'	G	A	2	-52.483	-35.435	122.819	1.00	0.00	C
ATOM	47	O4'	G	A	2	-52.048	-36.748	122.346	1.00	0.00	O
ATOM	48	C5'	G	A	2	-53.856	-35.147	122.257	1.00	0.00	C
ATOM	49	O5'	G	A	2	-53.736	-34.670	120.893	1.00	0.00	O
ATOM	50	O1P	G	A	2	-54.548	-32.292	121.037	1.00	0.00	O
ATOM	51	O2P	G	A	2	-54.760	-33.562	118.884	1.00	0.00	O
ATOM	52	P	G	A	2	-54.781	-33.586	120.367	1.00	0.00	P
ATOM	53	H1	G	A	2	-50.257	-41.944	118.511	1.00	0.00	H
ATOM	54	H8	G	A	2	-52.861	-36.071	119.121	1.00	0.00	H
ATOM	55	H1'	G	A	2	-50.125	-37.026	121.740	1.00	0.00	H
ATOM	56	H21	G	A	2	-48.888	-42.346	120.176	1.00	0.00	H
ATOM	57	H3'	G	A	2	-51.736	-33.474	122.250	1.00	0.00	H
ATOM	58	H22	G	A	2	-48.593	-41.163	121.480	1.00	0.00	H
ATOM	59	H4'	G	A	2	-52.549	-35.374	123.906	1.00	0.00	H
ATOM	60	H2'1	G	A	2	-51.487	-34.768	120.242	1.00	0.00	H
ATOM	61	H2'2	G	A	2	-49.847	-34.835	120.875	1.00	0.00	H
ATOM	62	H5'1	G	A	2	-54.449	-36.061	122.277	1.00	0.00	H
ATOM	63	H5'2	G	A	2	-54.343	-34.391	122.873	1.00	0.00	H
ATOM	64	C1'	G	A	3	-46.271	-37.890	121.264	1.00	0.00	C
ATOM	65	N1	G	A	3	-47.631	-40.457	117.072	1.00	0.00	N
ATOM	66	C2	G	A	3	-46.809	-40.836	118.115	1.00	0.00	C
ATOM	67	N2	G	A	3	-46.275	-42.061	118.031	1.00	0.00	N
ATOM	68	N3	G	A	3	-46.539	-40.057	119.160	1.00	0.00	N
ATOM	69	C4	G	A	3	-47.158	-38.850	119.078	1.00	0.00	C
ATOM	70	C5	G	A	3	-47.993	-38.384	118.074	1.00	0.00	C
ATOM	71	C6	G	A	3	-48.283	-39.214	116.967	1.00	0.00	C
ATOM	72	O6	G	A	3	-48.993	-38.983	115.988	1.00	0.00	O
ATOM	73	N7	G	A	3	-48.422	-37.088	118.366	1.00	0.00	N
ATOM	74	C8	G	A	3	-47.851	-36.816	119.511	1.00	0.00	C
ATOM	75	N9	G	A	3	-47.066	-37.837	120.007	1.00	0.00	N
ATOM	76	C2'	G	A	3	-45.600	-36.571	121.622	1.00	0.00	C
ATOM	77	C3'	G	A	3	-45.687	-36.571	123.139	1.00	0.00	C
ATOM	78	O3'	G	A	3	-44.590	-37.310	123.671	1.00	0.00	O
ATOM	79	C4'	G	A	3	-47.026	-37.259	123.402	1.00	0.00	C
ATOM	80	O4'	G	A	3	-47.151	-38.231	122.317	1.00	0.00	O

ATOM	81	C5'	G A	3	-48.248	-36.371	123.399	1.00	0.00	C
ATOM	82	O5'	G A	3	-48.102	-35.339	122.392	1.00	0.00	O
ATOM	83	O1P	G A	3	-47.970	-33.220	123.744	1.00	0.00	O
ATOM	84	O2P	G A	3	-48.846	-33.156	121.395	1.00	0.00	O
ATOM	85	P	G A	3	-48.725	-33.898	122.674	1.00	0.00	P
ATOM	86	H1	G A	3	-47.779	-41.138	116.311	1.00	0.00	H
ATOM	87	H8	G A	3	-47.982	-35.867	120.029	1.00	0.00	H
ATOM	88	H1'	G A	3	-45.536	-38.690	121.168	1.00	0.00	H
ATOM	89	H21	G A	3	-46.490	-42.661	117.220	1.00	0.00	H
ATOM	90	H3'	G A	3	-45.676	-35.561	123.550	1.00	0.00	H
ATOM	91	H22	G A	3	-45.652	-42.403	118.775	1.00	0.00	H
ATOM	92	H4'	G A	3	-46.956	-37.724	124.385	1.00	0.00	H
ATOM	93	H2'1	G A	3	-46.120	-35.713	121.195	1.00	0.00	H
ATOM	94	H2'2	G A	3	-44.565	-36.528	121.283	1.00	0.00	H
ATOM	95	H5'1	G A	3	-49.129	-36.975	123.182	1.00	0.00	H
ATOM	96	H5'2	G A	3	-48.361	-35.914	124.381	1.00	0.00	H
ATOM	97	C1'	C A	4	-42.331	-40.224	119.376	1.00	0.00	C
ATOM	98	N1	C A	4	-43.176	-39.350	118.515	1.00	0.00	N
ATOM	99	C2	C A	4	-43.649	-39.878	117.316	1.00	0.00	C
ATOM	100	O2	C A	4	-43.351	-41.040	117.017	1.00	0.00	O
ATOM	101	N3	C A	4	-44.420	-39.098	116.520	1.00	0.00	N
ATOM	102	C4	C A	4	-44.723	-37.842	116.871	1.00	0.00	C
ATOM	103	N4	C A	4	-45.483	-37.126	116.056	1.00	0.00	N
ATOM	104	C5	C A	4	-44.248	-37.273	118.098	1.00	0.00	C
ATOM	105	C6	C A	4	-43.477	-38.076	118.886	1.00	0.00	C
ATOM	106	C2'	C A	4	-41.192	-39.488	120.068	1.00	0.00	C
ATOM	107	C3'	C A	4	-41.119	-40.203	121.408	1.00	0.00	C
ATOM	108	O3'	C A	4	-40.319	-41.376	121.270	1.00	0.00	O
ATOM	109	C4'	C A	4	-42.582	-40.534	121.697	1.00	0.00	C
ATOM	110	O4'	C A	4	-43.165	-40.778	120.377	1.00	0.00	O
ATOM	111	C5'	C A	4	-43.388	-39.461	122.389	1.00	0.00	C
ATOM	112	O5'	C A	4	-42.977	-38.153	121.913	1.00	0.00	O
ATOM	113	O1P	C A	4	-41.944	-37.091	123.946	1.00	0.00	O
ATOM	114	O2P	C A	4	-42.969	-35.653	122.165	1.00	0.00	O
ATOM	115	P	C A	4	-42.999	-36.925	122.929	1.00	0.00	P
ATOM	116	H5	C A	4	-44.489	-36.250	118.386	1.00	0.00	H
ATOM	117	H6	C A	4	-43.096	-37.690	119.831	1.00	0.00	H
ATOM	118	H1'	C A	4	-41.954	-41.041	118.764	1.00	0.00	H
ATOM	119	H3'	C A	4	-40.698	-39.569	122.187	1.00	0.00	H
ATOM	120	H4'	C A	4	-42.587	-41.418	122.335	1.00	0.00	H
ATOM	121	H41	C A	4	-45.734	-36.156	116.304	1.00	0.00	H
ATOM	122	H42	C A	4	-45.824	-37.535	115.174	1.00	0.00	H
ATOM	123	H2'1	C A	4	-41.402	-38.427	120.197	1.00	0.00	H
ATOM	124	H2'2	C A	4	-40.252	-39.573	119.521	1.00	0.00	H
ATOM	125	H5'1	C A	4	-44.447	-39.613	122.176	1.00	0.00	H
ATOM	126	H5'2	C A	4	-43.226	-39.528	123.464	1.00	0.00	H
ATOM	127	C1'	C A	5	-39.727	-42.302	115.713	1.00	0.00	C
ATOM	128	N1	C A	5	-40.276	-40.926	115.563	1.00	0.00	N
ATOM	129	C2	C A	5	-41.028	-40.645	114.424	1.00	0.00	C
ATOM	130	O2	C A	5	-41.209	-41.541	113.589	1.00	0.00	O
ATOM	131	N3	C A	5	-41.536	-39.397	114.270	1.00	0.00	N
ATOM	132	C4	C A	5	-41.324	-38.448	115.189	1.00	0.00	C
ATOM	133	N4	C A	5	-41.847	-37.249	114.990	1.00	0.00	N
ATOM	134	C5	C A	5	-40.553	-38.710	116.369	1.00	0.00	C

ATOM	135	C6	C A	5	-40.054	-39.972	116.505	1.00	0.00	C
ATOM	136	C2'	C A	5	-38.334	-42.343	116.326	1.00	0.00	C
ATOM	137	C3'	C A	5	-38.394	-43.614	117.161	1.00	0.00	C
ATOM	138	O3'	C A	5	-38.096	-44.734	116.331	1.00	0.00	O
ATOM	139	C4'	C A	5	-39.840	-43.629	117.653	1.00	0.00	C
ATOM	140	O4'	C A	5	-40.601	-43.024	116.560	1.00	0.00	O
ATOM	141	C5'	C A	5	-40.124	-42.861	118.923	1.00	0.00	C
ATOM	142	O5'	C A	5	-39.314	-41.658	118.960	1.00	0.00	O
ATOM	143	O1P	C A	5	-37.765	-42.060	120.902	1.00	0.00	O
ATOM	144	O2P	C A	5	-38.368	-39.716	120.243	1.00	0.00	O
ATOM	145	P	C A	5	-38.783	-41.135	120.370	1.00	0.00	P
ATOM	146	H5	C A	5	-40.372	-37.939	117.119	1.00	0.00	H
ATOM	147	H6	C A	5	-39.464	-40.221	117.387	1.00	0.00	H
ATOM	148	H1'	C A	5	-39.738	-42.781	114.734	1.00	0.00	H
ATOM	149	H3'	C A	5	-37.693	-43.587	117.995	1.00	0.00	H
ATOM	150	H4'	C A	5	-40.103	-44.672	117.831	1.00	0.00	H
ATOM	151	H41	C A	5	-41.700	-36.500	115.682	1.00	0.00	H
ATOM	152	H42	C A	5	-42.400	-37.063	114.139	1.00	0.00	H
ATOM	153	H2'1	C A	5	-38.129	-41.472	116.946	1.00	0.00	H
ATOM	154	H2'2	C A	5	-37.551	-42.402	115.569	1.00	0.00	H
ATOM	155	H5'1	C A	5	-41.181	-42.594	118.951	1.00	0.00	H
ATOM	156	H5'2	C A	5	-39.891	-43.489	119.781	1.00	0.00	H
ATOM	157	C1'	G A	6	-38.447	-42.932	110.970	1.00	0.00	C
ATOM	158	N1	G A	6	-40.155	-38.152	110.461	1.00	0.00	N
ATOM	159	C2	G A	6	-40.340	-39.254	109.643	1.00	0.00	C
ATOM	160	N2	G A	6	-41.075	-39.055	108.543	1.00	0.00	N
ATOM	161	N3	G A	6	-39.831	-40.457	109.904	1.00	0.00	N
ATOM	162	C4	G A	6	-39.108	-40.474	111.054	1.00	0.00	C
ATOM	163	C5	G A	6	-38.867	-39.427	111.928	1.00	0.00	C
ATOM	164	C6	G A	6	-39.409	-38.151	111.655	1.00	0.00	C
ATOM	165	O6	G A	6	-39.307	-37.110	112.303	1.00	0.00	O
ATOM	166	N7	G A	6	-38.074	-39.860	112.993	1.00	0.00	N
ATOM	167	C8	G A	6	-37.868	-41.127	112.738	1.00	0.00	C
ATOM	168	N9	G A	6	-38.462	-41.574	111.577	1.00	0.00	N
ATOM	169	C2'	G A	6	-37.114	-43.654	111.118	1.00	0.00	C
ATOM	170	C3'	G A	6	-37.552	-45.097	111.308	1.00	0.00	C
ATOM	171	O3'	G A	6	-37.769	-45.694	110.031	1.00	0.00	O
ATOM	172	C4'	G A	6	-38.848	-44.955	112.106	1.00	0.00	C
ATOM	173	O4'	G A	6	-39.436	-43.708	111.620	1.00	0.00	O
ATOM	174	C5'	G A	6	-38.705	-44.870	113.607	1.00	0.00	C
ATOM	175	O5'	G A	6	-37.512	-44.121	113.946	1.00	0.00	O
ATOM	176	O1P	G A	6	-36.037	-45.838	115.044	1.00	0.00	O
ATOM	177	O2P	G A	6	-35.798	-43.413	115.642	1.00	0.00	O
ATOM	178	P	G A	6	-36.690	-44.532	115.250	1.00	0.00	P
ATOM	179	H1	G A	6	-40.598	-37.267	110.173	1.00	0.00	H
ATOM	180	H8	G A	6	-37.275	-41.774	113.386	1.00	0.00	H
ATOM	181	H1'	G A	6	-38.727	-42.841	109.920	1.00	0.00	H
ATOM	182	H21	G A	6	-41.469	-38.123	108.350	1.00	0.00	H
ATOM	183	H3'	G A	6	-36.814	-45.681	111.858	1.00	0.00	H
ATOM	184	H22	G A	6	-41.248	-39.834	107.892	1.00	0.00	H
ATOM	185	H4'	G A	6	-39.457	-45.830	111.878	1.00	0.00	H
ATOM	186	H2'1	G A	6	-36.543	-43.297	111.975	1.00	0.00	H
ATOM	187	H2'2	G A	6	-36.483	-43.544	110.236	1.00	0.00	H
ATOM	188	H5'1	G A	6	-39.581	-44.375	114.024	1.00	0.00	H

ATOM	189	H5'2	G A	6	-38.637	-45.877	114.018	1.00	0.00	H
ATOM	190	C1'	C A	7	-37.969	-41.478	106.261	1.00	0.00	C
ATOM	191	N1	C A	7	-37.429	-40.641	107.367	1.00	0.00	N
ATOM	192	C2	C A	7	-37.788	-39.296	107.402	1.00	0.00	C
ATOM	193	O2	C A	7	-38.532	-38.852	106.518	1.00	0.00	O
ATOM	194	N3	C A	7	-37.308	-38.517	108.403	1.00	0.00	N
ATOM	195	C4	C A	7	-36.502	-39.025	109.345	1.00	0.00	C
ATOM	196	N4	C A	7	-36.066	-38.220	110.301	1.00	0.00	N
ATOM	197	C5	C A	7	-36.114	-40.405	109.332	1.00	0.00	C
ATOM	198	C6	C A	7	-36.614	-41.172	108.318	1.00	0.00	C
ATOM	199	C2'	C A	7	-36.980	-42.508	105.731	1.00	0.00	C
ATOM	200	C3'	C A	7	-37.891	-43.680	105.399	1.00	0.00	C
ATOM	201	O3'	C A	7	-38.439	-43.492	104.095	1.00	0.00	O
ATOM	202	C4'	C A	7	-38.956	-43.602	106.490	1.00	0.00	C
ATOM	203	O4'	C A	7	-39.099	-42.170	106.755	1.00	0.00	O
ATOM	204	C5'	C A	7	-38.637	-44.305	107.790	1.00	0.00	C
ATOM	205	O5'	C A	7	-37.224	-44.170	108.086	1.00	0.00	O
ATOM	206	O1P	C A	7	-36.365	-46.530	107.920	1.00	0.00	O
ATOM	207	O2P	C A	7	-35.206	-44.872	109.405	1.00	0.00	O
ATOM	208	P	C A	7	-36.477	-45.368	108.826	1.00	0.00	P
ATOM	209	H5	C A	7	-35.454	-40.823	110.094	1.00	0.00	H
ATOM	210	H6	C A	7	-36.354	-42.230	108.270	1.00	0.00	H
ATOM	211	H1'	C A	7	-38.305	-40.813	105.464	1.00	0.00	H
ATOM	212	H3'	C A	7	-37.359	-44.631	105.433	1.00	0.00	H
ATOM	213	H4'	C A	7	-39.860	-44.053	106.082	1.00	0.00	H
ATOM	214	H41	C A	7	-35.446	-38.585	111.040	1.00	0.00	H
ATOM	215	H42	C A	7	-36.342	-37.227	110.308	1.00	0.00	H
ATOM	216	H2'1	C A	7	-36.234	-42.784	106.474	1.00	0.00	H
ATOM	217	H2'2	C A	7	-36.448	-42.154	104.847	1.00	0.00	H
ATOM	218	H5'1	C A	7	-39.227	-43.859	108.592	1.00	0.00	H
ATOM	219	H5'2	C A	7	-38.894	-45.360	107.699	1.00	0.00	H
ATOM	220	C1'	A A	8	-37.475	-38.110	102.665	1.00	0.00	C
ATOM	221	N1	A A	8	-35.459	-35.243	106.415	1.00	0.00	N
ATOM	222	C2	A A	8	-36.310	-34.967	105.432	1.00	0.00	C
ATOM	223	N3	A A	8	-36.794	-35.757	104.497	1.00	0.00	N
ATOM	224	C4	A A	8	-36.294	-36.999	104.634	1.00	0.00	C
ATOM	225	C5	A A	8	-35.415	-37.443	105.582	1.00	0.00	C
ATOM	226	C6	A A	8	-34.979	-36.491	106.526	1.00	0.00	C
ATOM	227	N6	A A	8	-34.117	-36.782	107.517	1.00	0.00	N
ATOM	228	N7	A A	8	-35.128	-38.786	105.408	1.00	0.00	N
ATOM	229	C8	A A	8	-35.829	-39.122	104.365	1.00	0.00	C
ATOM	230	N9	A A	8	-36.564	-38.089	103.843	1.00	0.00	N
ATOM	231	C2'	A A	8	-36.980	-38.986	101.522	1.00	0.00	C
ATOM	232	C3'	A A	8	-38.279	-39.555	100.975	1.00	0.00	C
ATOM	233	O3'	A A	8	-38.848	-38.625	100.059	1.00	0.00	O
ATOM	234	C4'	A A	8	-39.133	-39.725	102.231	1.00	0.00	C
ATOM	235	O4'	A A	8	-38.724	-38.617	103.097	1.00	0.00	O
ATOM	236	C5'	A A	8	-38.962	-41.021	102.988	1.00	0.00	C
ATOM	237	O5'	A A	8	-37.572	-41.434	102.945	1.00	0.00	O
ATOM	238	O1P	A A	8	-37.641	-43.558	101.595	1.00	0.00	O
ATOM	239	O2P	A A	8	-35.822	-43.204	103.287	1.00	0.00	O
ATOM	240	P	A A	8	-37.238	-42.993	102.897	1.00	0.00	P
ATOM	241	H2	A A	8	-36.659	-33.936	105.395	1.00	0.00	H
ATOM	242	H8	A A	8	-35.833	-40.127	103.946	1.00	0.00	H

ATOM	243	H1'	A A	8	-37.627	-37.083	102.334	1.00	0.00	H
ATOM	244	H3'	A A	8	-38.127	-40.511	100.472	1.00	0.00	H
ATOM	245	H4'	A A	8	-40.173	-39.657	101.916	1.00	0.00	H
ATOM	246	H61	A A	8	-33.832	-36.050	108.182	1.00	0.00	H
ATOM	247	H62	A A	8	-33.742	-37.738	107.607	1.00	0.00	H
ATOM	248	H2'1	A A	8	-36.314	-39.776	101.865	1.00	0.00	H
ATOM	249	H2'2	A A	8	-36.447	-38.412	100.764	1.00	0.00	H
ATOM	250	H5'1	A A	8	-39.269	-40.871	104.024	1.00	0.00	H
ATOM	251	H5'2	A A	8	-39.589	-41.787	102.534	1.00	0.00	H
ATOM	252	C1'	C A	9	-36.132	-33.668	100.898	1.00	0.00	C
ATOM	253	N1	C A	9	-35.166	-34.493	101.674	1.00	0.00	N
ATOM	254	C2	C A	9	-34.506	-33.894	102.745	1.00	0.00	C
ATOM	255	O2	C A	9	-34.749	-32.708	103.005	1.00	0.00	O
ATOM	256	N3	C A	9	-33.624	-34.628	103.463	1.00	0.00	N
ATOM	257	C4	C A	9	-33.382	-35.909	103.156	1.00	0.00	C
ATOM	258	N4	C A	9	-32.511	-36.582	103.895	1.00	0.00	N
ATOM	259	C5	C A	9	-34.042	-36.552	102.057	1.00	0.00	C
ATOM	260	C6	C A	9	-34.932	-35.795	101.349	1.00	0.00	C
ATOM	261	C2'	C A	9	-36.113	-33.946	99.402	1.00	0.00	C
ATOM	262	C3'	C A	9	-37.580	-33.782	99.031	1.00	0.00	C
ATOM	263	O3'	C A	9	-37.853	-32.401	98.802	1.00	0.00	O
ATOM	264	C4'	C A	9	-38.304	-34.318	100.263	1.00	0.00	C
ATOM	265	O4'	C A	9	-37.430	-33.958	101.381	1.00	0.00	O
ATOM	266	C5'	C A	9	-38.550	-35.807	100.303	1.00	0.00	C
ATOM	267	O5'	C A	9	-37.425	-36.506	99.711	1.00	0.00	O
ATOM	268	O1P	C A	9	-38.410	-37.549	97.643	1.00	0.00	O
ATOM	269	O2P	C A	9	-36.429	-38.609	98.761	1.00	0.00	O
ATOM	270	P	C A	9	-37.698	-37.852	98.900	1.00	0.00	P
ATOM	271	H5	C A	9	-33.844	-37.593	101.799	1.00	0.00	H
ATOM	272	H6	C A	9	-35.464	-36.240	100.510	1.00	0.00	H
ATOM	273	H1'	C A	9	-35.924	-32.618	101.104	1.00	0.00	H
ATOM	274	H3'	C A	9	-37.841	-34.354	98.141	1.00	0.00	H
ATOM	275	H4'	C A	9	-39.272	-33.820	100.303	1.00	0.00	H
ATOM	276	H41	C A	9	-32.309	-37.569	103.681	1.00	0.00	H
ATOM	277	H42	C A	9	-32.036	-36.117	104.682	1.00	0.00	H
ATOM	278	H2'1	C A	9	-35.757	-34.949	99.171	1.00	0.00	H
ATOM	279	H2'2	C A	9	-35.484	-33.241	98.858	1.00	0.00	H
ATOM	280	H5'1	C A	9	-38.675	-36.124	101.339	1.00	0.00	H
ATOM	281	H5'2	C A	9	-39.459	-36.035	99.747	1.00	0.00	H
ATOM	282	C1'	C A	10	-33.458	-29.500	100.892	1.00	0.00	C
ATOM	283	N1	C A	10	-32.787	-30.827	100.956	1.00	0.00	N
ATOM	284	C2	C A	10	-31.850	-31.036	101.967	1.00	0.00	C
ATOM	285	O2	C A	10	-31.614	-30.118	102.763	1.00	0.00	O
ATOM	286	N3	C A	10	-31.229	-32.239	102.044	1.00	0.00	N
ATOM	287	C4	C A	10	-31.503	-33.213	101.167	1.00	0.00	C
ATOM	288	N4	C A	10	-30.869	-34.371	101.290	1.00	0.00	N
ATOM	289	C5	C A	10	-32.460	-33.025	100.115	1.00	0.00	C
ATOM	290	C6	C A	10	-33.077	-31.808	100.061	1.00	0.00	C
ATOM	291	C2'	C A	10	-33.693	-29.001	99.473	1.00	0.00	C
ATOM	292	C3'	C A	10	-35.027	-28.282	99.608	1.00	0.00	C
ATOM	293	O3'	C A	10	-34.798	-26.953	100.072	1.00	0.00	O
ATOM	294	C4'	C A	10	-35.769	-29.133	100.636	1.00	0.00	C
ATOM	295	O4'	C A	10	-34.717	-29.623	101.527	1.00	0.00	O
ATOM	296	C5'	C A	10	-36.536	-30.318	100.098	1.00	0.00	C

ATOM	297	O5'	C A	10	-35.810	-30.912	98.992	1.00	0.00	O
ATOM	298	O1P	C A	10	-37.311	-30.490	97.017	1.00	0.00	O
ATOM	299	O2P	C A	10	-35.753	-32.458	97.012	1.00	0.00	O
ATOM	300	P	C A	10	-36.636	-31.552	97.789	1.00	0.00	P
ATOM	301	H5	C A	10	-32.682	-33.814	99.395	1.00	0.00	H
ATOM	302	H6	C A	10	-33.818	-31.620	99.283	1.00	0.00	H
ATOM	303	H1'	C A	10	-32.862	-28.788	101.463	1.00	0.00	H
ATOM	304	H3'	C A	10	-35.568	-28.245	98.661	1.00	0.00	H
ATOM	305	H4'	C A	10	-36.480	-28.476	101.137	1.00	0.00	H
ATOM	306	H41	C A	10	-31.064	-35.137	100.630	1.00	0.00	H
ATOM	307	H42	C A	10	-30.180	-34.502	102.045	1.00	0.00	H
ATOM	308	H2'1	C A	10	-33.752	-29.814	98.752	1.00	0.00	H
ATOM	309	H2'2	C A	10	-32.907	-28.321	99.139	1.00	0.00	H
ATOM	310	H5'1	C A	10	-36.663	-31.054	100.893	1.00	0.00	H
ATOM	311	H5'2	C A	10	-37.516	-29.985	99.760	1.00	0.00	H
ATOM	312	C1'	T A	11	-29.474	-26.761	101.957	1.00	0.00	C
ATOM	313	N1	T A	11	-29.316	-28.078	101.286	1.00	0.00	N
ATOM	314	C2	T A	11	-28.421	-28.968	101.846	1.00	0.00	C
ATOM	315	O2	T A	11	-27.775	-28.711	102.848	1.00	0.00	O
ATOM	316	N3	T A	11	-28.305	-30.181	101.192	1.00	0.00	N
ATOM	317	C4	T A	11	-28.985	-30.568	100.055	1.00	0.00	C
ATOM	318	O4	T A	11	-28.796	-31.684	99.555	1.00	0.00	O
ATOM	319	C5	T A	11	-29.897	-29.573	99.543	1.00	0.00	C
ATOM	320	C6	T A	11	-30.036	-28.381	100.156	1.00	0.00	C
ATOM	321	C7	T A	11	-30.659	-29.953	98.308	1.00	0.00	C
ATOM	322	C2'	T A	11	-29.661	-25.598	100.991	1.00	0.00	C
ATOM	323	C3'	T A	11	-30.631	-24.707	101.749	1.00	0.00	C
ATOM	324	O3'	T A	11	-29.900	-23.879	102.652	1.00	0.00	O
ATOM	325	C4'	T A	11	-31.518	-25.713	102.478	1.00	0.00	C
ATOM	326	O4'	T A	11	-30.623	-26.831	102.780	1.00	0.00	O
ATOM	327	C5'	T A	11	-32.707	-26.241	101.710	1.00	0.00	C
ATOM	328	O5'	T A	11	-32.356	-26.400	100.312	1.00	0.00	O
ATOM	329	O1P	T A	11	-33.801	-24.699	99.151	1.00	0.00	O
ATOM	330	O2P	T A	11	-33.052	-26.755	97.923	1.00	0.00	O
ATOM	331	P	T A	11	-33.472	-26.136	99.205	1.00	0.00	P
ATOM	332	H3	T A	11	-27.648	-30.863	101.593	1.00	0.00	H
ATOM	333	H6	T A	11	-30.731	-27.645	99.750	1.00	0.00	H
ATOM	334	H1'	T A	11	-28.609	-26.598	102.600	1.00	0.00	H
ATOM	335	H3'	T A	11	-31.216	-24.079	101.079	1.00	0.00	H
ATOM	336	H4'	T A	11	-31.894	-25.215	103.372	1.00	0.00	H
ATOM	337	H71	T A	11	-30.352	-29.316	97.480	1.00	0.00	H
ATOM	338	H72	T A	11	-30.452	-30.995	98.060	1.00	0.00	H
ATOM	339	H73	T A	11	-31.727	-29.829	98.486	1.00	0.00	H
ATOM	340	H2'1	T A	11	-30.077	-25.917	100.037	1.00	0.00	H
ATOM	341	H2'2	T A	11	-28.724	-25.079	100.782	1.00	0.00	H
ATOM	342	H5'1	T A	11	-33.005	-27.203	102.126	1.00	0.00	H
ATOM	343	H5'2	T A	11	-33.534	-25.538	101.803	1.00	0.00	H
ATOM	344	C1'	A A	12	-24.666	-26.123	103.010	1.00	0.00	C
ATOM	345	N1	A A	12	-24.103	-30.570	100.508	1.00	0.00	N
ATOM	346	C2	A A	12	-23.568	-30.095	101.629	1.00	0.00	C
ATOM	347	N3	A A	12	-23.761	-28.935	102.222	1.00	0.00	N
ATOM	348	C4	A A	12	-24.632	-28.191	101.519	1.00	0.00	C
ATOM	349	C5	A A	12	-25.264	-28.529	100.355	1.00	0.00	C
ATOM	350	C6	A A	12	-24.969	-29.804	99.828	1.00	0.00	C

ATOM	351	N6	A	A	12	-25.515	-30.272	98.692	1.00	0.00	N
ATOM	352	N7	A	A	12	-26.092	-27.509	99.922	1.00	0.00	N
ATOM	353	C8	A	A	12	-25.942	-26.582	100.821	1.00	0.00	C
ATOM	354	N9	A	A	12	-25.071	-26.926	101.823	1.00	0.00	N
ATOM	355	C2'	A	A	12	-24.514	-24.636	102.718	1.00	0.00	C
ATOM	356	C3'	A	A	12	-25.006	-24.008	104.012	1.00	0.00	C
ATOM	357	O3'	A	A	12	-23.933	-23.968	104.950	1.00	0.00	O
ATOM	358	C4'	A	A	12	-26.119	-24.958	104.450	1.00	0.00	C
ATOM	359	O4'	A	A	12	-25.668	-26.274	103.996	1.00	0.00	O
ATOM	360	C5'	A	A	12	-27.491	-24.692	103.878	1.00	0.00	C
ATOM	361	O5'	A	A	12	-27.371	-24.232	102.508	1.00	0.00	O
ATOM	362	O1P	A	A	12	-28.206	-21.860	102.615	1.00	0.00	O
ATOM	363	O2P	A	A	12	-28.394	-23.162	100.478	1.00	0.00	O
ATOM	364	P	A	A	12	-28.423	-23.165	101.961	1.00	0.00	P
ATOM	365	H2	A	A	12	-22.870	-30.764	102.131	1.00	0.00	H
ATOM	366	H8	A	A	12	-26.458	-25.622	100.784	1.00	0.00	H
ATOM	367	H1'	A	A	12	-23.741	-26.541	103.403	1.00	0.00	H
ATOM	368	H3'	A	A	12	-25.388	-22.999	103.858	1.00	0.00	H
ATOM	369	H4'	A	A	12	-26.190	-24.883	105.535	1.00	0.00	H
ATOM	370	H61	A	A	12	-25.269	-31.211	98.351	1.00	0.00	H
ATOM	371	H62	A	A	12	-26.180	-29.689	98.163	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-25.115	-24.316	101.869	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-23.480	-24.360	102.511	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-28.075	-25.612	103.907	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-27.989	-23.933	104.478	1.00	0.00	H
ATOM	376	C1'	G	A	13	-19.881	-27.442	102.911	1.00	0.00	C
ATOM	377	N1	G	A	13	-21.242	-30.009	98.718	1.00	0.00	N
ATOM	378	C2	G	A	13	-20.419	-30.389	99.762	1.00	0.00	C
ATOM	379	N2	G	A	13	-19.883	-31.614	99.678	1.00	0.00	N
ATOM	380	N3	G	A	13	-20.149	-29.608	100.807	1.00	0.00	N
ATOM	381	C4	G	A	13	-20.768	-28.401	100.724	1.00	0.00	C
ATOM	382	C5	G	A	13	-21.603	-27.936	99.721	1.00	0.00	C
ATOM	383	C6	G	A	13	-21.892	-28.766	98.613	1.00	0.00	C
ATOM	384	O6	G	A	13	-22.601	-28.532	97.634	1.00	0.00	O
ATOM	385	N7	G	A	13	-22.031	-26.640	100.013	1.00	0.00	N
ATOM	386	C8	G	A	13	-21.461	-26.368	101.158	1.00	0.00	C
ATOM	387	N9	G	A	13	-20.676	-27.389	101.653	1.00	0.00	N
ATOM	388	C2'	G	A	13	-19.210	-26.123	103.269	1.00	0.00	C
ATOM	389	C3'	G	A	13	-19.297	-26.123	104.785	1.00	0.00	C
ATOM	390	O3'	G	A	13	-18.200	-26.862	105.318	1.00	0.00	O
ATOM	391	C4'	G	A	13	-20.636	-26.810	105.049	1.00	0.00	C
ATOM	392	O4'	G	A	13	-20.762	-27.784	103.964	1.00	0.00	O
ATOM	393	C5'	G	A	13	-21.858	-25.923	105.045	1.00	0.00	C
ATOM	394	O5'	G	A	13	-21.712	-24.891	104.039	1.00	0.00	O
ATOM	395	O1P	G	A	13	-21.579	-22.771	105.390	1.00	0.00	O
ATOM	396	O2P	G	A	13	-22.456	-22.708	103.042	1.00	0.00	O
ATOM	397	P	G	A	13	-22.335	-23.449	104.320	1.00	0.00	P
ATOM	398	H1	G	A	13	-21.391	-30.692	97.958	1.00	0.00	H
ATOM	399	H8	G	A	13	-21.592	-25.419	101.676	1.00	0.00	H
ATOM	400	H1'	G	A	13	-19.145	-28.242	102.815	1.00	0.00	H
ATOM	401	H21	G	A	13	-20.100	-32.214	98.867	1.00	0.00	H
ATOM	402	H3'	G	A	13	-19.286	-25.113	105.196	1.00	0.00	H
ATOM	403	H22	G	A	13	-19.260	-31.954	100.421	1.00	0.00	H
ATOM	404	H4'	G	A	13	-20.565	-27.276	106.032	1.00	0.00	H

ATOM	405	H2'1	G A	13	-19.730	-25.265	102.842	1.00	0.00	H
ATOM	406	H2'2	G A	13	-18.174	-26.080	102.930	1.00	0.00	H
ATOM	407	H5'1	G A	13	-22.739	-26.527	104.829	1.00	0.00	H
ATOM	408	H5'2	G A	13	-21.971	-25.466	106.028	1.00	0.00	H
ATOM	409	C1'	G A	14	-15.941	-29.775	101.022	1.00	0.00	C
ATOM	410	N1	G A	14	-18.561	-29.469	96.656	1.00	0.00	N
ATOM	411	C2	G A	14	-17.831	-30.520	97.182	1.00	0.00	C
ATOM	412	N2	G A	14	-17.793	-31.637	96.446	1.00	0.00	N
ATOM	413	N3	G A	14	-17.192	-30.461	98.349	1.00	0.00	N
ATOM	414	C4	G A	14	-17.333	-29.252	98.954	1.00	0.00	C
ATOM	415	C5	G A	14	-18.037	-28.148	98.503	1.00	0.00	C
ATOM	416	C6	G A	14	-18.719	-28.210	97.268	1.00	0.00	C
ATOM	417	O6	G A	14	-19.389	-27.344	96.705	1.00	0.00	O
ATOM	418	N7	G A	14	-17.930	-27.102	99.424	1.00	0.00	N
ATOM	419	C8	G A	14	-17.187	-27.595	100.380	1.00	0.00	C
ATOM	420	N9	G A	14	-16.784	-28.896	100.167	1.00	0.00	N
ATOM	421	C2'	G A	14	-14.803	-29.042	101.720	1.00	0.00	C
ATOM	422	C3'	G A	14	-14.730	-29.764	103.055	1.00	0.00	C
ATOM	423	O3'	G A	14	-13.931	-30.935	102.913	1.00	0.00	O
ATOM	424	C4'	G A	14	-16.195	-30.096	103.341	1.00	0.00	C
ATOM	425	O4'	G A	14	-16.775	-30.334	102.019	1.00	0.00	O
ATOM	426	C5'	G A	14	-17.001	-29.025	104.037	1.00	0.00	C
ATOM	427	O5'	G A	14	-16.590	-27.718	103.568	1.00	0.00	O
ATOM	428	O1P	G A	14	-15.558	-26.665	105.608	1.00	0.00	O
ATOM	429	O2P	G A	14	-16.582	-25.219	103.833	1.00	0.00	O
ATOM	430	P	G A	14	-16.612	-26.494	104.591	1.00	0.00	P
ATOM	431	H1	G A	14	-19.025	-29.620	95.747	1.00	0.00	H
ATOM	432	H8	G A	14	-16.910	-27.026	101.268	1.00	0.00	H
ATOM	433	H1'	G A	14	-15.562	-30.589	100.406	1.00	0.00	H
ATOM	434	H21	G A	14	-18.293	-31.677	95.545	1.00	0.00	H
ATOM	435	H3'	G A	14	-14.311	-29.133	103.838	1.00	0.00	H
ATOM	436	H22	G A	14	-17.265	-32.455	96.780	1.00	0.00	H
ATOM	437	H4'	G A	14	-16.200	-30.983	103.974	1.00	0.00	H
ATOM	438	H2'1	G A	14	-15.013	-27.982	101.852	1.00	0.00	H
ATOM	439	H2'2	G A	14	-13.862	-29.124	101.172	1.00	0.00	H
ATOM	440	H5'1	G A	14	-18.058	-29.179	103.823	1.00	0.00	H
ATOM	441	H5'2	G A	14	-16.839	-29.099	105.114	1.00	0.00	H
ATOM	442	C1'	A A	15	-13.324	-31.863	97.377	1.00	0.00	C
ATOM	443	N1	A A	15	-16.096	-28.751	94.381	1.00	0.00	N
ATOM	444	C2	A A	15	-15.732	-30.026	94.261	1.00	0.00	C
ATOM	445	N3	A A	15	-15.016	-30.772	95.076	1.00	0.00	N
ATOM	446	C4	A A	15	-14.639	-30.054	96.151	1.00	0.00	C
ATOM	447	C5	A A	15	-14.925	-28.747	96.422	1.00	0.00	C
ATOM	448	C6	A A	15	-15.705	-28.064	95.465	1.00	0.00	C
ATOM	449	N6	A A	15	-16.064	-26.775	95.597	1.00	0.00	N
ATOM	450	N7	A A	15	-14.368	-28.352	97.625	1.00	0.00	N
ATOM	451	C8	A A	15	-13.758	-29.418	98.052	1.00	0.00	C
ATOM	452	N9	A A	15	-13.881	-30.494	97.210	1.00	0.00	N
ATOM	453	C2'	A A	15	-11.935	-31.888	98.002	1.00	0.00	C
ATOM	454	C3'	A A	15	-11.991	-33.151	98.847	1.00	0.00	C
ATOM	455	O3'	A A	15	-11.677	-34.274	98.030	1.00	0.00	O
ATOM	456	C4'	A A	15	-13.440	-33.173	99.330	1.00	0.00	C
ATOM	457	O4'	A A	15	-14.198	-32.583	98.224	1.00	0.00	O
ATOM	458	C5'	A A	15	-13.741	-32.396	100.589	1.00	0.00	C

ATOM	459	O5'	A	A	15	-12.941	-31.187	100.623	1.00	0.00	O
ATOM	460	O1P	A	A	15	-11.403	-31.559	102.580	1.00	0.00	O
ATOM	461	O2P	A	A	15	-12.021	-29.225	101.895	1.00	0.00	O
ATOM	462	P	A	A	15	-12.425	-30.646	102.031	1.00	0.00	P
ATOM	463	H2	A	A	15	-16.079	-30.525	93.357	1.00	0.00	H
ATOM	464	H8	A	A	15	-13.202	-29.456	98.988	1.00	0.00	H
ATOM	465	H1'	A	A	15	-13.322	-32.351	96.403	1.00	0.00	H
ATOM	466	H3'	A	A	15	-11.298	-33.110	99.688	1.00	0.00	H
ATOM	467	H4'	A	A	15	-13.697	-34.216	99.513	1.00	0.00	H
ATOM	468	H61	A	A	15	-16.638	-26.326	94.868	1.00	0.00	H
ATOM	469	H62	A	A	15	-15.767	-26.240	96.425	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-11.742	-31.007	98.614	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-11.145	-31.947	97.253	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-14.799	-32.139	100.606	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-13.509	-33.014	101.455	1.00	0.00	H
ATOM	474	C1'	C	A	16	-12.057	-32.485	92.615	1.00	0.00	C
ATOM	475	N1	C	A	16	-12.077	-31.124	93.218	1.00	0.00	N
ATOM	476	C2	C	A	16	-12.784	-30.126	92.552	1.00	0.00	C
ATOM	477	O2	C	A	16	-13.362	-30.410	91.494	1.00	0.00	O
ATOM	478	N3	C	A	16	-12.815	-28.879	93.083	1.00	0.00	N
ATOM	479	C4	C	A	16	-12.179	-28.605	94.229	1.00	0.00	C
ATOM	480	N4	C	A	16	-12.246	-27.370	94.705	1.00	0.00	N
ATOM	481	C5	C	A	16	-11.440	-29.610	94.935	1.00	0.00	C
ATOM	482	C6	C	A	16	-11.426	-30.860	94.384	1.00	0.00	C
ATOM	483	C2'	C	A	16	-10.721	-33.202	92.763	1.00	0.00	C
ATOM	484	C3'	C	A	16	-11.157	-34.646	92.959	1.00	0.00	C
ATOM	485	O3'	C	A	16	-11.372	-35.247	91.685	1.00	0.00	O
ATOM	486	C4'	C	A	16	-12.450	-34.505	93.759	1.00	0.00	C
ATOM	487	O4'	C	A	16	-13.044	-33.260	93.271	1.00	0.00	O
ATOM	488	C5'	C	A	16	-12.305	-34.415	95.261	1.00	0.00	C
ATOM	489	O5'	C	A	16	-11.112	-33.661	95.592	1.00	0.00	O
ATOM	490	O1P	C	A	16	-9.628	-35.370	96.695	1.00	0.00	O
ATOM	491	O2P	C	A	16	-9.397	-32.943	97.284	1.00	0.00	O
ATOM	492	P	C	A	16	-10.287	-34.064	96.897	1.00	0.00	P
ATOM	493	H5	C	A	16	-10.915	-29.388	95.865	1.00	0.00	H
ATOM	494	H6	C	A	16	-10.884	-31.660	94.888	1.00	0.00	H
ATOM	495	H1'	C	A	16	-12.341	-32.399	91.567	1.00	0.00	H
ATOM	496	H3'	C	A	16	-10.413	-35.223	93.511	1.00	0.00	H
ATOM	497	H4'	C	A	16	-13.056	-35.383	93.537	1.00	0.00	H
ATOM	498	H41	C	A	16	-11.767	-27.131	95.587	1.00	0.00	H
ATOM	499	H42	C	A	16	-12.775	-26.647	94.196	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-10.150	-32.841	93.617	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-10.093	-33.092	91.878	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-13.183	-33.920	95.676	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-12.231	-35.421	95.674	1.00	0.00	H
ATOM	504	C1'	G	A	17	-11.578	-31.029	87.907	1.00	0.00	C
ATOM	505	N1	G	A	17	-11.466	-26.358	89.956	1.00	0.00	N
ATOM	506	C2	G	A	17	-12.121	-26.818	88.827	1.00	0.00	C
ATOM	507	N2	G	A	17	-12.840	-25.911	88.153	1.00	0.00	N
ATOM	508	N3	G	A	17	-12.064	-28.079	88.404	1.00	0.00	N
ATOM	509	C4	G	A	17	-11.284	-28.856	89.203	1.00	0.00	C
ATOM	510	C5	G	A	17	-10.591	-28.486	90.343	1.00	0.00	C
ATOM	511	C6	G	A	17	-10.654	-27.148	90.795	1.00	0.00	C
ATOM	512	O6	G	A	17	-10.114	-26.631	91.773	1.00	0.00	O

ATOM	513	N7	G A	17	-9.908	-29.584	90.871	1.00	0.00	N
ATOM	514	C8	G A	17	-10.205	-30.562	90.055	1.00	0.00	C
ATOM	515	N9	G A	17	-11.037	-30.198	89.016	1.00	0.00	N
ATOM	516	C2'	G A	17	-10.595	-32.063	87.376	1.00	0.00	C
ATOM	517	C3'	G A	17	-11.508	-33.230	87.042	1.00	0.00	C
ATOM	518	O3'	G A	17	-12.054	-33.038	85.738	1.00	0.00	O
ATOM	519	C4'	G A	17	-12.575	-33.150	88.133	1.00	0.00	C
ATOM	520	O4'	G A	17	-12.712	-31.719	88.399	1.00	0.00	O
ATOM	521	C5'	G A	17	-12.260	-33.856	89.431	1.00	0.00	C
ATOM	522	O5'	G A	17	-10.848	-33.727	89.729	1.00	0.00	O
ATOM	523	O1P	G A	17	-9.999	-36.091	89.560	1.00	0.00	O
ATOM	524	O2P	G A	17	-8.833	-34.443	91.049	1.00	0.00	O
ATOM	525	P	G A	17	-10.107	-34.932	90.467	1.00	0.00	P
ATOM	526	H1	G A	17	-11.580	-25.363	90.201	1.00	0.00	H
ATOM	527	H8	G A	17	-9.828	-31.578	90.186	1.00	0.00	H
ATOM	528	H1'	G A	17	-11.910	-30.362	87.112	1.00	0.00	H
ATOM	529	H21	G A	17	-12.882	-24.937	88.487	1.00	0.00	H
ATOM	530	H3'	G A	17	-10.981	-34.184	87.075	1.00	0.00	H
ATOM	531	H22	G A	17	-13.349	-26.189	87.302	1.00	0.00	H
ATOM	532	H4'	G A	17	-13.480	-33.595	87.723	1.00	0.00	H
ATOM	533	H2'1	G A	17	-9.849	-32.344	88.121	1.00	0.00	H
ATOM	534	H2'2	G A	17	-10.059	-31.710	86.494	1.00	0.00	H
ATOM	535	H5'1	G A	17	-12.849	-33.410	90.232	1.00	0.00	H
ATOM	536	H5'2	G A	17	-12.524	-34.910	89.338	1.00	0.00	H
ATOM	537	C1'	G A	18	-11.079	-27.644	84.328	1.00	0.00	C
ATOM	538	N1	G A	18	-9.062	-24.817	88.065	1.00	0.00	N
ATOM	539	C2	G A	18	-9.950	-24.463	87.064	1.00	0.00	C
ATOM	540	N2	G A	18	-10.353	-23.184	87.057	1.00	0.00	N
ATOM	541	N3	G A	18	-10.401	-25.314	86.146	1.00	0.00	N
ATOM	542	C4	G A	18	-9.883	-26.562	86.299	1.00	0.00	C
ATOM	543	C5	G A	18	-8.991	-27.004	87.262	1.00	0.00	C
ATOM	544	C6	G A	18	-8.515	-26.101	88.241	1.00	0.00	C
ATOM	545	O6	G A	18	-7.728	-26.304	89.165	1.00	0.00	O
ATOM	546	N7	G A	18	-8.707	-28.357	87.071	1.00	0.00	N
ATOM	547	C8	G A	18	-9.421	-28.686	86.026	1.00	0.00	C
ATOM	548	N9	G A	18	-10.162	-27.649	85.500	1.00	0.00	N
ATOM	549	C2'	G A	18	-10.600	-28.507	83.170	1.00	0.00	C
ATOM	550	C3'	G A	18	-11.905	-29.057	82.622	1.00	0.00	C
ATOM	551	O3'	G A	18	-12.472	-28.110	81.720	1.00	0.00	O
ATOM	552	C4'	G A	18	-12.754	-29.237	83.879	1.00	0.00	C
ATOM	553	O4'	G A	18	-12.330	-28.145	84.757	1.00	0.00	O
ATOM	554	C5'	G A	18	-12.590	-30.543	84.619	1.00	0.00	C
ATOM	555	O5'	G A	18	-11.206	-30.970	84.560	1.00	0.00	O
ATOM	556	O1P	G A	18	-11.300	-33.073	83.182	1.00	0.00	O
ATOM	557	O2P	G A	18	-9.469	-32.760	84.869	1.00	0.00	O
ATOM	558	P	G A	18	-10.885	-32.531	84.490	1.00	0.00	P
ATOM	559	H1	G A	18	-8.780	-24.082	88.732	1.00	0.00	H
ATOM	560	H8	G A	18	-9.431	-29.692	85.606	1.00	0.00	H
ATOM	561	H1'	G A	18	-11.223	-26.610	84.012	1.00	0.00	H
ATOM	562	H21	G A	18	-10.002	-22.532	87.774	1.00	0.00	H
ATOM	563	H3'	G A	18	-11.763	-30.008	82.105	1.00	0.00	H
ATOM	564	H22	G A	18	-11.010	-22.858	86.337	1.00	0.00	H
ATOM	565	H4'	G A	18	-13.796	-29.156	83.572	1.00	0.00	H
ATOM	566	H2'1	G A	18	-9.937	-29.307	83.498	1.00	0.00	H

ATOM	567	H2'2	G A	18	-10.065	-27.927	82.416	1.00	0.00	H
ATOM	568	H5'1	G A	18	-12.891	-30.407	85.657	1.00	0.00	H
ATOM	569	H5'2	G A	18	-13.227	-31.297	84.158	1.00	0.00	H
ATOM	570	C1'	T A	19	-9.754	-23.228	82.526	1.00	0.00	C
ATOM	571	N1	T A	19	-8.784	-24.033	83.314	1.00	0.00	N
ATOM	572	C2	T A	19	-8.149	-23.406	84.365	1.00	0.00	C
ATOM	573	O2	T A	19	-8.355	-22.240	84.659	1.00	0.00	O
ATOM	574	N3	T A	19	-7.256	-24.192	85.070	1.00	0.00	N
ATOM	575	C4	T A	19	-6.949	-25.512	84.820	1.00	0.00	C
ATOM	576	O4	T A	19	-6.128	-26.115	85.521	1.00	0.00	O
ATOM	577	C5	T A	19	-7.662	-26.084	83.702	1.00	0.00	C
ATOM	578	C6	T A	19	-8.541	-25.347	82.993	1.00	0.00	C
ATOM	579	C7	T A	19	-7.362	-27.520	83.396	1.00	0.00	C
ATOM	580	C2'	T A	19	-9.729	-23.524	81.032	1.00	0.00	C
ATOM	581	C3'	T A	19	-11.195	-23.377	80.654	1.00	0.00	C
ATOM	582	O3'	T A	19	-11.480	-22.002	80.409	1.00	0.00	O
ATOM	583	C4'	T A	19	-11.917	-23.905	81.892	1.00	0.00	C
ATOM	584	O4'	T A	19	-11.052	-23.523	83.006	1.00	0.00	O
ATOM	585	C5'	T A	19	-12.151	-25.396	81.950	1.00	0.00	C
ATOM	586	O5'	T A	19	-11.019	-26.092	81.370	1.00	0.00	O
ATOM	587	O1P	T A	19	-11.989	-27.169	79.312	1.00	0.00	O
ATOM	588	O2P	T A	19	-10.003	-28.197	80.449	1.00	0.00	O
ATOM	589	P	T A	19	-11.277	-27.449	80.575	1.00	0.00	P
ATOM	590	H3	T A	19	-6.773	-23.746	85.863	1.00	0.00	H
ATOM	591	H6	T A	19	-9.067	-25.801	82.152	1.00	0.00	H
ATOM	592	H1'	T A	19	-9.557	-22.173	82.718	1.00	0.00	H
ATOM	593	H3'	T A	19	-11.448	-23.962	79.771	1.00	0.00	H
ATOM	594	H4'	T A	19	-12.893	-23.415	81.922	1.00	0.00	H
ATOM	595	H71	T A	19	-6.874	-27.591	82.423	1.00	0.00	H
ATOM	596	H72	T A	19	-6.700	-27.925	84.162	1.00	0.00	H
ATOM	597	H73	T A	19	-8.290	-28.093	83.377	1.00	0.00	H
ATOM	598	H2'1	T A	19	-9.363	-24.526	80.817	1.00	0.00	H
ATOM	599	H2'2	T A	19	-9.105	-22.820	80.481	1.00	0.00	H
ATOM	600	H5'1	T A	19	-12.277	-25.699	82.988	1.00	0.00	H
ATOM	601	H5'2	T A	19	-13.056	-25.639	81.393	1.00	0.00	H
ATOM	602	C01	LNK A	20	-10.952	-19.917	77.370	0.00	0.00	C
ATOM	603	O1	LNK A	20	-10.831	-21.149	78.087	1.00	0.00	O
ATOM	604	S	LNK A	20	-9.872	-18.361	73.869	0.00	0.00	S
ATOM	605	C02	LNK A	20	-10.265	-20.055	75.998	0.00	0.00	C
ATOM	606	C03	LNK A	20	-9.583	-18.723	75.629	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-8.978	-21.971	79.579	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-10.018	-19.722	79.988	1.00	0.00	O
ATOM	609	P	LNK A	20	-10.190	-21.129	79.546	1.00	0.00	P
ATOM	610	H01	LNK A	20	-10.475	-19.118	77.937	0.00	0.00	H
ATOM	611	H02	LNK A	20	-12.006	-19.681	77.226	0.00	0.00	H
ATOM	612	H03	LNK A	20	-8.511	-18.800	75.813	0.00	0.00	H
ATOM	613	H04	LNK A	20	-11.009	-20.304	75.242	0.00	0.00	H
ATOM	614	H05	LNK A	20	-9.516	-20.845	76.044	0.00	0.00	H
ATOM	615	H06	LNK A	20	-9.999	-17.921	76.238	0.00	0.00	H
ATOM	616	AU	LNK A	20	-9.489	-17.825	73.679			
TER										
ATOM	618	C1'	A B	2	-3.797	-20.133	91.118	1.00	0.00	C
ATOM	619	N1	A B	2	-5.855	-22.931	87.340	1.00	0.00	N
ATOM	620	C2	A B	2	-6.034	-21.672	87.724	1.00	0.00	C

ATOM	621	N3	A B	2	-5.466	-21.008	88.709	1.00	0.00	N
ATOM	622	C4	A B	2	-4.602	-21.803	89.368	1.00	0.00	C
ATOM	623	C5	A B	2	-4.307	-23.111	89.103	1.00	0.00	C
ATOM	624	C6	A B	2	-4.987	-23.700	88.015	1.00	0.00	C
ATOM	625	N6	A B	2	-4.799	-24.975	87.636	1.00	0.00	N
ATOM	626	N7	A B	2	-3.368	-23.602	89.993	1.00	0.00	N
ATOM	627	C8	A B	2	-3.120	-22.591	90.772	1.00	0.00	C
ATOM	628	N9	A B	2	-3.830	-21.464	90.451	1.00	0.00	N
ATOM	629	C2'	A B	2	-3.656	-20.209	92.633	1.00	0.00	C
ATOM	630	C3'	A B	2	-2.787	-18.999	92.932	1.00	0.00	C
ATOM	631	O3'	A B	2	-3.615	-17.842	93.035	1.00	0.00	O
ATOM	632	C4'	A B	2	-1.859	-18.939	91.720	1.00	0.00	C
ATOM	633	O4'	A B	2	-2.682	-19.426	90.611	1.00	0.00	O
ATOM	634	C5'	A B	2	-0.603	-19.774	91.794	1.00	0.00	C
ATOM	635	O5'	A B	2	-0.882	-21.019	92.484	1.00	0.00	O
ATOM	636	H2	A B	2	-6.754	-21.103	87.138	1.00	0.00	H
ATOM	637	H8	A B	2	-2.414	-22.637	91.602	1.00	0.00	H
ATOM	638	H1'	A B	2	-4.698	-19.588	90.836	1.00	0.00	H
ATOM	639	H3'	A B	2	-2.221	-19.119	93.855	1.00	0.00	H
ATOM	640	H4'	A B	2	-1.560	-17.898	91.602	1.00	0.00	H
ATOM	641	H61	A B	2	-5.318	-25.355	86.834	1.00	0.00	H
ATOM	642	H62	A B	2	-4.134	-25.572	88.151	1.00	0.00	H
ATOM	643	H2'1	A B	2	-3.176	-21.132	92.958	1.00	0.00	H
ATOM	644	H2'2	A B	2	-4.619	-20.142	93.142	1.00	0.00	H
ATOM	645	H5'1	A B	2	-0.253	-19.984	90.783	1.00	0.00	H
ATOM	646	H5'2	A B	2	0.164	-19.218	92.332	1.00	0.00	H
ATOM	647	C1'	C B	3	-8.679	-19.278	90.815	1.00	0.00	C
ATOM	648	N1	C B	3	-8.160	-20.670	90.906	1.00	0.00	N
ATOM	649	C2	C B	3	-8.605	-21.594	89.962	1.00	0.00	C
ATOM	650	O2	C B	3	-9.405	-21.223	89.093	1.00	0.00	O
ATOM	651	N3	C B	3	-8.145	-22.867	90.027	1.00	0.00	N
ATOM	652	C4	C B	3	-7.280	-23.239	90.980	1.00	0.00	C
ATOM	653	N4	C B	3	-6.860	-24.497	90.994	1.00	0.00	N
ATOM	654	C5	C B	3	-6.809	-22.312	91.967	1.00	0.00	C
ATOM	655	C6	C B	3	-7.282	-21.032	91.879	1.00	0.00	C
ATOM	656	C2'	C B	3	-8.942	-18.631	92.168	1.00	0.00	C
ATOM	657	C3'	C B	3	-8.554	-17.184	91.909	1.00	0.00	C
ATOM	658	O3'	C B	3	-9.663	-16.498	91.331	1.00	0.00	O
ATOM	659	C4'	C B	3	-7.385	-17.314	90.936	1.00	0.00	C
ATOM	660	O4'	C B	3	-7.707	-18.501	90.141	1.00	0.00	O
ATOM	661	C5'	C B	3	-6.018	-17.500	91.550	1.00	0.00	C
ATOM	662	O5'	C B	3	-6.122	-18.326	92.738	1.00	0.00	O
ATOM	663	O1P	C B	3	-5.490	-16.753	94.598	1.00	0.00	O
ATOM	664	O2P	C B	3	-5.111	-19.220	94.857	1.00	0.00	O
ATOM	665	P	C B	3	-5.141	-18.038	93.960	1.00	0.00	P
ATOM	666	H5	C B	3	-6.111	-22.612	92.749	1.00	0.00	H
ATOM	667	H6	C B	3	-6.947	-20.290	92.603	1.00	0.00	H
ATOM	668	H1'	C B	3	-9.582	-19.289	90.204	1.00	0.00	H
ATOM	669	H3'	C B	3	-8.251	-16.673	92.823	1.00	0.00	H
ATOM	670	H4'	C B	3	-7.361	-16.398	90.344	1.00	0.00	H
ATOM	671	H41	C B	3	-6.192	-24.809	91.714	1.00	0.00	H
ATOM	672	H42	C B	3	-7.202	-25.163	90.285	1.00	0.00	H
ATOM	673	H2'1	C B	3	-8.336	-19.068	92.961	1.00	0.00	H
ATOM	674	H2'2	C B	3	-9.987	-18.714	92.470	1.00	0.00	H

ATOM	675	H5'1	C B	3	-5.361	-17.981	90.824	1.00	0.00	H
ATOM	676	H5'2	C B	3	-5.608	-16.527	91.814	1.00	0.00	H
ATOM	677	C1'	C B	4	-13.346	-20.462	89.655	1.00	0.00	C
ATOM	678	N1	C B	4	-12.510	-21.386	90.469	1.00	0.00	N
ATOM	679	C2	C B	4	-12.420	-22.715	90.062	1.00	0.00	C
ATOM	680	O2	C B	4	-13.033	-23.072	89.047	1.00	0.00	O
ATOM	681	N3	C B	4	-11.665	-23.574	90.789	1.00	0.00	N
ATOM	682	C4	C B	4	-11.012	-23.159	91.884	1.00	0.00	C
ATOM	683	N4	C B	4	-10.284	-24.039	92.556	1.00	0.00	N
ATOM	684	C5	C B	4	-11.090	-21.798	92.330	1.00	0.00	C
ATOM	685	C6	C B	4	-11.853	-20.950	91.577	1.00	0.00	C
ATOM	686	C2'	C B	4	-14.121	-19.447	90.482	1.00	0.00	C
ATOM	687	C3'	C B	4	-14.090	-18.218	89.587	1.00	0.00	C
ATOM	688	O3'	C B	4	-15.151	-18.302	88.638	1.00	0.00	O
ATOM	689	C4'	C B	4	-12.716	-18.314	88.926	1.00	0.00	C
ATOM	690	O4'	C B	4	-12.481	-19.752	88.788	1.00	0.00	O
ATOM	691	C5'	C B	4	-11.560	-17.707	89.687	1.00	0.00	C
ATOM	692	O5'	C B	4	-11.744	-17.921	91.110	1.00	0.00	O
ATOM	693	O1P	C B	4	-12.077	-15.595	92.010	1.00	0.00	O
ATOM	694	O2P	C B	4	-11.120	-17.386	93.484	1.00	0.00	O
ATOM	695	P	C B	4	-11.236	-16.803	92.125	1.00	0.00	P
ATOM	696	H5	C B	4	-10.567	-21.458	93.223	1.00	0.00	H
ATOM	697	H6	C B	4	-11.937	-19.905	91.873	1.00	0.00	H
ATOM	698	H1'	C B	4	-14.018	-21.062	89.041	1.00	0.00	H
ATOM	699	H3'	C B	4	-14.188	-17.294	90.157	1.00	0.00	H
ATOM	700	H4'	C B	4	-12.788	-17.801	87.967	1.00	0.00	H
ATOM	701	H41	C B	4	-9.770	-23.746	93.400	1.00	0.00	H
ATOM	702	H42	C B	4	-10.232	-25.018	92.235	1.00	0.00	H
ATOM	703	H2'1	C B	4	-13.649	-19.248	91.444	1.00	0.00	H
ATOM	704	H2'2	C B	4	-15.144	-19.768	90.679	1.00	0.00	H
ATOM	705	H5'1	C B	4	-10.632	-18.174	89.361	1.00	0.00	H
ATOM	706	H5'2	C B	4	-11.518	-16.639	89.478	1.00	0.00	H
ATOM	707	C1'	G B	5	-17.035	-23.643	88.764	1.00	0.00	C
ATOM	708	N1	G B	5	-14.284	-26.777	91.703	1.00	0.00	N
ATOM	709	C2	G B	5	-14.957	-27.031	90.520	1.00	0.00	C
ATOM	710	N2	G B	5	-14.891	-28.286	90.061	1.00	0.00	N
ATOM	711	N3	G B	5	-15.642	-26.105	89.850	1.00	0.00	N
ATOM	712	C4	G B	5	-15.608	-24.892	90.463	1.00	0.00	C
ATOM	713	C5	G B	5	-14.969	-24.550	91.643	1.00	0.00	C
ATOM	714	C6	G B	5	-14.239	-25.530	92.352	1.00	0.00	C
ATOM	715	O6	G B	5	-13.612	-25.419	93.405	1.00	0.00	O
ATOM	716	N7	G B	5	-15.181	-23.199	91.931	1.00	0.00	N
ATOM	717	C8	G B	5	-15.923	-22.776	90.940	1.00	0.00	C
ATOM	718	N9	G B	5	-16.225	-23.749	90.008	1.00	0.00	N
ATOM	719	C2'	G B	5	-18.247	-22.731	88.897	1.00	0.00	C
ATOM	720	C3'	G B	5	-18.317	-22.093	87.519	1.00	0.00	C
ATOM	721	O3'	G B	5	-19.027	-22.958	86.637	1.00	0.00	O
ATOM	722	C4'	G B	5	-16.845	-21.954	87.134	1.00	0.00	C
ATOM	723	O4'	G B	5	-16.202	-23.115	87.750	1.00	0.00	O
ATOM	724	C5'	G B	5	-16.142	-20.704	87.604	1.00	0.00	C
ATOM	725	O5'	G B	5	-16.627	-20.334	88.919	1.00	0.00	O
ATOM	726	O1P	G B	5	-17.804	-18.147	88.513	1.00	0.00	O
ATOM	727	O2P	G B	5	-16.819	-18.642	90.766	1.00	0.00	O
ATOM	728	P	G B	5	-16.728	-18.787	89.293	1.00	0.00	P

ATOM	729	H1	G B	5	-13.779	-27.563	92.140	1.00	0.00	H
ATOM	730	H8	G B	5	-16.272	-21.747	90.856	1.00	0.00	H
ATOM	731	H1'	G B	5	-17.333	-24.646	88.464	1.00	0.00	H
ATOM	732	H21	G B	5	-14.356	-28.996	90.582	1.00	0.00	H
ATOM	733	H3'	G B	5	-18.809	-21.119	87.544	1.00	0.00	H
ATOM	734	H22	G B	5	-15.373	-28.542	89.187	1.00	0.00	H
ATOM	735	H4'	G B	5	-16.801	-21.972	86.045	1.00	0.00	H
ATOM	736	H2'1	G B	5	-18.117	-21.980	89.676	1.00	0.00	H
ATOM	737	H2'2	G B	5	-19.158	-23.284	89.124	1.00	0.00	H
ATOM	738	H5'1	G B	5	-15.069	-20.892	87.646	1.00	0.00	H
ATOM	739	H5'2	G B	5	-16.337	-19.896	86.899	1.00	0.00	H
ATOM	740	C1'	T B	6	-19.361	-27.993	89.163	1.00	0.00	C
ATOM	741	N1	T B	6	-18.897	-27.279	90.382	1.00	0.00	N
ATOM	742	C2	T B	6	-18.138	-27.998	91.283	1.00	0.00	C
ATOM	743	O2	T B	6	-17.846	-29.169	91.114	1.00	0.00	O
ATOM	744	N3	T B	6	-17.726	-27.294	92.400	1.00	0.00	N
ATOM	745	C4	T B	6	-18.002	-25.974	92.688	1.00	0.00	C
ATOM	746	O4	T B	6	-17.580	-25.452	93.726	1.00	0.00	O
ATOM	747	C5	T B	6	-18.800	-25.307	91.688	1.00	0.00	C
ATOM	748	C6	T B	6	-19.218	-25.960	90.586	1.00	0.00	C
ATOM	749	C7	T B	6	-19.122	-23.866	91.959	1.00	0.00	C
ATOM	750	C2'	T B	6	-20.768	-27.605	88.723	1.00	0.00	C
ATOM	751	C3'	T B	6	-20.653	-27.668	87.208	1.00	0.00	C
ATOM	752	O3'	T B	6	-20.858	-29.012	86.777	1.00	0.00	O
ATOM	753	C4'	T B	6	-19.226	-27.189	86.954	1.00	0.00	C
ATOM	754	O4'	T B	6	-18.472	-27.675	88.110	1.00	0.00	O
ATOM	755	C5'	T B	6	-19.027	-25.695	86.841	1.00	0.00	C
ATOM	756	O5'	T B	6	-19.912	-25.013	87.767	1.00	0.00	O
ATOM	757	O1P	T B	6	-21.491	-23.770	86.251	1.00	0.00	O
ATOM	758	O2P	T B	6	-21.014	-22.898	88.555	1.00	0.00	O
ATOM	759	P	T B	6	-20.517	-23.598	87.347	1.00	0.00	P
ATOM	760	H3	T B	6	-17.155	-27.808	93.087	1.00	0.00	H
ATOM	761	H6	T B	6	-19.819	-25.433	89.845	1.00	0.00	H
ATOM	762	H1'	T B	6	-19.293	-29.065	89.347	1.00	0.00	H
ATOM	763	H3'	T B	6	-21.379	-27.018	86.718	1.00	0.00	H
ATOM	764	H4'	T B	6	-18.903	-27.639	86.015	1.00	0.00	H
ATOM	765	H71	T B	6	-20.196	-23.756	92.110	1.00	0.00	H
ATOM	766	H72	T B	6	-18.593	-23.538	92.855	1.00	0.00	H
ATOM	767	H73	T B	6	-18.810	-23.257	91.110	1.00	0.00	H
ATOM	768	H2'1	T B	6	-21.045	-26.608	89.059	1.00	0.00	H
ATOM	769	H2'2	T B	6	-21.523	-28.299	89.092	1.00	0.00	H
ATOM	770	H5'1	T B	6	-17.991	-25.453	87.076	1.00	0.00	H
ATOM	771	H5'2	T B	6	-19.248	-25.381	85.822	1.00	0.00	H
ATOM	772	C1'	C B	7	-20.408	-32.276	91.449	1.00	0.00	C
ATOM	773	N1	C B	7	-20.504	-30.983	92.184	1.00	0.00	N
ATOM	774	C2	C B	7	-19.848	-30.877	93.408	1.00	0.00	C
ATOM	775	O2	C B	7	-19.215	-31.854	93.833	1.00	0.00	O
ATOM	776	N3	C B	7	-19.924	-29.710	94.092	1.00	0.00	N
ATOM	777	C4	C B	7	-20.618	-28.672	93.608	1.00	0.00	C
ATOM	778	N4	C B	7	-20.656	-27.554	94.316	1.00	0.00	N
ATOM	779	C5	C B	7	-21.307	-28.753	92.353	1.00	0.00	C
ATOM	780	C6	C B	7	-21.213	-29.938	91.678	1.00	0.00	C
ATOM	781	C2'	C B	7	-21.692	-32.675	90.739	1.00	0.00	C
ATOM	782	C3'	C B	7	-21.162	-33.343	89.479	1.00	0.00	C

ATOM	783	O3'	C B	7	-20.860	-34.707	89.765	1.00	0.00	O
ATOM	784	C4'	C B	7	-19.911	-32.528	89.163	1.00	0.00	C
ATOM	785	O4'	C B	7	-19.392	-32.140	90.474	1.00	0.00	O
ATOM	786	C5'	C B	7	-20.114	-31.279	88.334	1.00	0.00	C
ATOM	787	O5'	C B	7	-21.369	-30.651	88.698	1.00	0.00	O
ATOM	788	O1P	C B	7	-22.763	-30.883	86.617	1.00	0.00	O
ATOM	789	O2P	C B	7	-23.186	-28.988	88.204	1.00	0.00	O
ATOM	790	P	C B	7	-22.207	-29.901	87.567	1.00	0.00	P
ATOM	791	H5	C B	7	-21.878	-27.913	91.958	1.00	0.00	H
ATOM	792	H6	C B	7	-21.713	-30.045	90.716	1.00	0.00	H
ATOM	793	H1'	C B	7	-20.094	-33.045	92.155	1.00	0.00	H
ATOM	794	H3'	C B	7	-21.881	-33.298	88.659	1.00	0.00	H
ATOM	795	H4'	C B	7	-19.236	-33.184	88.613	1.00	0.00	H
ATOM	796	H41	C B	7	-21.179	-26.739	93.964	1.00	0.00	H
ATOM	797	H42	C B	7	-20.161	-27.498	95.219	1.00	0.00	H
ATOM	798	H2'1	C B	7	-22.318	-31.816	90.499	1.00	0.00	H
ATOM	799	H2'2	C B	7	-22.296	-33.364	91.330	1.00	0.00	H
ATOM	800	H5'1	C B	7	-19.289	-30.591	88.517	1.00	0.00	H
ATOM	801	H5'2	C B	7	-20.131	-31.549	87.280	1.00	0.00	H
ATOM	802	C1'	C B	8	-20.817	-35.228	95.405	1.00	0.00	C
ATOM	803	N1	C B	8	-21.452	-33.883	95.396	1.00	0.00	N
ATOM	804	C2	C B	8	-21.196	-33.032	96.470	1.00	0.00	C
ATOM	805	O2	C B	8	-20.455	-33.427	97.380	1.00	0.00	O
ATOM	806	N3	C B	8	-21.765	-31.802	96.481	1.00	0.00	N
ATOM	807	C4	C B	8	-22.563	-31.404	95.481	1.00	0.00	C
ATOM	808	N4	C B	8	-23.089	-30.189	95.542	1.00	0.00	N
ATOM	809	C5	C B	8	-22.849	-32.258	94.365	1.00	0.00	C
ATOM	810	C6	C B	8	-22.260	-33.492	94.373	1.00	0.00	C
ATOM	811	C2'	C B	8	-21.710	-36.333	94.856	1.00	0.00	C
ATOM	812	C3'	C B	8	-20.707	-37.230	94.148	1.00	0.00	C
ATOM	813	O3'	C B	8	-20.129	-38.124	95.095	1.00	0.00	O
ATOM	814	C4'	C B	8	-19.688	-36.233	93.600	1.00	0.00	C
ATOM	815	O4'	C B	8	-19.658	-35.161	94.596	1.00	0.00	O
ATOM	816	C5'	C B	8	-19.999	-35.628	92.251	1.00	0.00	C
ATOM	817	O5'	C B	8	-21.428	-35.409	92.129	1.00	0.00	O
ATOM	818	O1P	C B	8	-22.107	-37.001	90.301	1.00	0.00	O
ATOM	819	O2P	C B	8	-23.433	-34.909	90.702	1.00	0.00	O
ATOM	820	P	C B	8	-22.110	-35.579	90.700	1.00	0.00	P
ATOM	821	H5	C B	8	-23.503	-31.941	93.554	1.00	0.00	H
ATOM	822	H6	C B	8	-22.442	-34.174	93.543	1.00	0.00	H
ATOM	823	H1'	C B	8	-20.502	-35.450	96.425	1.00	0.00	H
ATOM	824	H3'	C B	8	-21.169	-37.803	93.344	1.00	0.00	H
ATOM	825	H4'	C B	8	-18.740	-36.764	93.513	1.00	0.00	H
ATOM	826	H41	C B	8	-23.704	-29.856	94.784	1.00	0.00	H
ATOM	827	H42	C B	8	-22.884	-29.577	96.345	1.00	0.00	H
ATOM	828	H2'1	C B	8	-22.460	-35.953	94.164	1.00	0.00	H
ATOM	829	H2'2	C B	8	-22.235	-36.870	95.647	1.00	0.00	H
ATOM	830	H5'1	C B	8	-19.472	-34.679	92.153	1.00	0.00	H
ATOM	831	H5'2	C B	8	-19.663	-36.307	91.469	1.00	0.00	H
ATOM	832	C1'	T B	9	-21.421	-36.154	100.228	1.00	0.00	C
ATOM	833	N1	T B	9	-22.372	-35.261	99.514	1.00	0.00	N
ATOM	834	C2	T B	9	-22.622	-34.027	100.076	1.00	0.00	C
ATOM	835	O2	T B	9	-22.102	-33.658	101.114	1.00	0.00	O
ATOM	836	N3	T B	9	-23.510	-33.229	99.379	1.00	0.00	N

ATOM	837	C4	T B	9	-24.154	-33.551	98.203	1.00	0.00	C
ATOM	838	O4	T B	9	-24.935	-32.753	97.670	1.00	0.00	O
ATOM	839	C5	T B	9	-23.830	-34.862	97.691	1.00	0.00	C
ATOM	840	C6	T B	9	-22.967	-35.665	98.344	1.00	0.00	C
ATOM	841	C7	T B	9	-24.506	-35.252	96.411	1.00	0.00	C
ATOM	842	C2'	T B	9	-21.813	-37.628	100.189	1.00	0.00	C
ATOM	843	C3'	T B	9	-20.458	-38.312	100.102	1.00	0.00	C
ATOM	844	O3'	T B	9	-19.923	-38.460	101.416	1.00	0.00	O
ATOM	845	C4'	T B	9	-19.641	-37.345	99.249	1.00	0.00	C
ATOM	846	O4'	T B	9	-20.157	-36.024	99.611	1.00	0.00	O
ATOM	847	C5'	T B	9	-19.748	-37.513	97.751	1.00	0.00	C
ATOM	848	O5'	T B	9	-21.102	-37.892	97.397	1.00	0.00	O
ATOM	849	O1P	T B	9	-20.837	-40.227	96.497	1.00	0.00	O
ATOM	850	O2P	T B	9	-22.736	-38.786	95.711	1.00	0.00	O
ATOM	851	P	T B	9	-21.326	-38.874	96.161	1.00	0.00	P
ATOM	852	H3	T B	9	-23.711	-32.301	99.777	1.00	0.00	H
ATOM	853	H6	T B	9	-22.738	-36.650	97.938	1.00	0.00	H
ATOM	854	H1'	T B	9	-21.330	-35.803	101.256	1.00	0.00	H
ATOM	855	H3'	T B	9	-20.528	-39.292	99.628	1.00	0.00	H
ATOM	856	H4'	T B	9	-18.595	-37.485	99.526	1.00	0.00	H
ATOM	857	H71	T B	9	-25.181	-36.088	96.596	1.00	0.00	H
ATOM	858	H72	T B	9	-25.074	-34.405	96.025	1.00	0.00	H
ATOM	859	H73	T B	9	-23.755	-35.549	95.678	1.00	0.00	H
ATOM	860	H2'1	T B	9	-22.435	-37.866	99.327	1.00	0.00	H
ATOM	861	H2'2	T B	9	-22.358	-37.934	101.081	1.00	0.00	H
ATOM	862	H5'1	T B	9	-19.489	-36.573	97.265	1.00	0.00	H
ATOM	863	H5'2	T B	9	-19.054	-38.287	97.430	1.00	0.00	H
ATOM	864	C1'	A B	10	-23.002	-35.060	104.805	1.00	0.00	C
ATOM	865	N1	A B	10	-26.419	-32.146	102.322	1.00	0.00	N
ATOM	866	C2	A B	10	-25.688	-31.941	103.414	1.00	0.00	C
ATOM	867	N3	A B	10	-24.820	-32.737	104.000	1.00	0.00	N
ATOM	868	C4	A B	10	-24.732	-33.902	103.334	1.00	0.00	C
ATOM	869	C5	A B	10	-25.410	-34.268	102.204	1.00	0.00	C
ATOM	870	C6	A B	10	-26.309	-33.318	101.678	1.00	0.00	C
ATOM	871	N6	A B	10	-27.045	-33.537	100.573	1.00	0.00	N
ATOM	872	N7	A B	10	-25.058	-35.544	101.802	1.00	0.00	N
ATOM	873	C8	A B	10	-24.186	-35.922	102.690	1.00	0.00	C
ATOM	874	N9	A B	10	-23.935	-34.975	103.649	1.00	0.00	N
ATOM	875	C2'	A B	10	-22.950	-36.438	105.450	1.00	0.00	C
ATOM	876	C3'	A B	10	-21.487	-36.545	105.853	1.00	0.00	C
ATOM	877	O3'	A B	10	-21.301	-35.910	107.115	1.00	0.00	O
ATOM	878	C4'	A B	10	-20.770	-35.806	104.724	1.00	0.00	C
ATOM	879	O4'	A B	10	-21.704	-34.749	104.334	1.00	0.00	O
ATOM	880	C5'	A B	10	-20.423	-36.621	103.501	1.00	0.00	C
ATOM	881	O5'	A B	10	-21.477	-37.584	103.239	1.00	0.00	O
ATOM	882	O1P	A B	10	-20.352	-39.800	103.634	1.00	0.00	O
ATOM	883	O2P	A B	10	-22.293	-39.642	102.051	1.00	0.00	O
ATOM	884	P	A B	10	-21.084	-39.004	102.630	1.00	0.00	P
ATOM	885	H2	A B	10	-25.828	-30.972	103.891	1.00	0.00	H
ATOM	886	H8	A B	10	-23.701	-36.898	102.673	1.00	0.00	H
ATOM	887	H1'	A B	10	-23.288	-34.299	105.530	1.00	0.00	H
ATOM	888	H3'	A B	10	-21.156	-37.581	105.917	1.00	0.00	H
ATOM	889	H4'	A B	10	-19.839	-35.419	105.141	1.00	0.00	H
ATOM	890	H61	A B	10	-27.683	-32.809	100.229	1.00	0.00	H

ATOM	891	H62	A B	10	-26.967	-34.434	100.073	1.00	0.00	H
ATOM	892	H2'1	A B	10	-23.229	-37.231	104.758	1.00	0.00	H
ATOM	893	H2'2	A B	10	-23.606	-36.513	106.318	1.00	0.00	H
ATOM	894	H5'1	A B	10	-20.313	-35.956	102.646	1.00	0.00	H
ATOM	895	H5'2	A B	10	-19.484	-37.143	103.673	1.00	0.00	H
ATOM	896	C1'	G B	11	-25.982	-32.773	108.050	1.00	0.00	C
ATOM	897	N1	G B	11	-29.263	-32.696	104.145	1.00	0.00	N
ATOM	898	C2	G B	11	-28.960	-31.713	105.069	1.00	0.00	C
ATOM	899	N2	G B	11	-29.620	-30.556	104.937	1.00	0.00	N
ATOM	900	N3	G B	11	-28.069	-31.871	106.048	1.00	0.00	N
ATOM	901	C4	G B	11	-27.502	-33.106	106.034	1.00	0.00	C
ATOM	902	C5	G B	11	-27.744	-34.148	105.157	1.00	0.00	C
ATOM	903	C6	G B	11	-28.687	-33.981	104.116	1.00	0.00	C
ATOM	904	O6	G B	11	-29.035	-34.781	103.247	1.00	0.00	O
ATOM	905	N7	G B	11	-26.955	-35.252	105.487	1.00	0.00	N
ATOM	906	C8	G B	11	-26.273	-34.851	106.530	1.00	0.00	C
ATOM	907	N9	G B	11	-26.551	-33.559	106.924	1.00	0.00	N
ATOM	908	C2'	G B	11	-25.727	-33.596	109.305	1.00	0.00	C
ATOM	909	C3'	G B	11	-24.458	-32.961	109.850	1.00	0.00	C
ATOM	910	O3'	G B	11	-24.805	-31.821	110.633	1.00	0.00	O
ATOM	911	C4'	G B	11	-23.696	-32.581	108.582	1.00	0.00	C
ATOM	912	O4'	G B	11	-24.745	-32.237	107.621	1.00	0.00	O
ATOM	913	C5'	G B	11	-22.820	-33.654	107.979	1.00	0.00	C
ATOM	914	O5'	G B	11	-23.452	-34.948	108.134	1.00	0.00	O
ATOM	915	O1P	G B	11	-21.908	-36.168	109.702	1.00	0.00	O
ATOM	916	O2P	G B	11	-23.311	-37.455	108.070	1.00	0.00	O
ATOM	917	P	G B	11	-22.532	-36.229	108.367	1.00	0.00	P
ATOM	918	H1	G B	11	-29.962	-32.470	103.422	1.00	0.00	H
ATOM	919	H8	G B	11	-25.551	-35.484	107.043	1.00	0.00	H
ATOM	920	H1'	G B	11	-26.653	-31.939	108.260	1.00	0.00	H
ATOM	921	H21	G B	11	-30.306	-30.439	104.177	1.00	0.00	H
ATOM	922	H3'	G B	11	-23.882	-33.657	110.461	1.00	0.00	H
ATOM	923	H22	G B	11	-29.443	-29.784	105.596	1.00	0.00	H
ATOM	924	H4'	G B	11	-23.058	-31.734	108.837	1.00	0.00	H
ATOM	925	H2'1	G B	11	-25.577	-34.653	109.082	1.00	0.00	H
ATOM	926	H2'2	G B	11	-26.546	-33.525	110.020	1.00	0.00	H
ATOM	927	H5'1	G B	11	-22.671	-33.441	106.921	1.00	0.00	H
ATOM	928	H5'2	G B	11	-21.854	-33.652	108.484	1.00	0.00	H
ATOM	929	C1'	G B	12	-30.200	-30.590	109.453	1.00	0.00	C
ATOM	930	N1	G B	12	-32.231	-33.392	105.704	1.00	0.00	N
ATOM	931	C2	G B	12	-32.462	-32.073	106.053	1.00	0.00	C
ATOM	932	N2	G B	12	-33.355	-31.413	105.304	1.00	0.00	N
ATOM	933	N3	G B	12	-31.852	-31.461	107.065	1.00	0.00	N
ATOM	934	C4	G B	12	-30.987	-32.281	107.718	1.00	0.00	C
ATOM	935	C5	G B	12	-30.695	-33.607	107.446	1.00	0.00	C
ATOM	936	C6	G B	12	-31.340	-34.256	106.369	1.00	0.00	C
ATOM	937	O6	G B	12	-31.217	-35.416	105.975	1.00	0.00	O
ATOM	938	N7	G B	12	-29.751	-34.090	108.354	1.00	0.00	N
ATOM	939	C8	G B	12	-29.503	-33.066	109.128	1.00	0.00	C
ATOM	940	N9	G B	12	-30.216	-31.930	108.805	1.00	0.00	N
ATOM	941	C2'	G B	12	-30.069	-30.643	110.968	1.00	0.00	C
ATOM	942	C3'	G B	12	-29.211	-29.420	111.256	1.00	0.00	C
ATOM	943	O3'	G B	12	-30.049	-28.269	111.338	1.00	0.00	O
ATOM	944	C4'	G B	12	-28.277	-29.369	110.049	1.00	0.00	C

ATOM	945	O4'	G B	12	-29.089	-29.878	108.943	1.00	0.00	O
ATOM	946	C5'	G B	12	-27.015	-30.194	110.141	1.00	0.00	C
ATOM	947	O5'	G B	12	-27.288	-31.430	110.847	1.00	0.00	O
ATOM	948	O1P	G B	12	-25.937	-31.204	112.959	1.00	0.00	O
ATOM	949	O2P	G B	12	-26.454	-33.480	112.038	1.00	0.00	O
ATOM	950	P	G B	12	-26.146	-32.054	111.771	1.00	0.00	P
ATOM	951	H1	G B	12	-32.752	-33.770	104.898	1.00	0.00	H
ATOM	952	H8	G B	12	-28.796	-33.104	109.956	1.00	0.00	H
ATOM	953	H1'	G B	12	-31.103	-30.057	109.157	1.00	0.00	H
ATOM	954	H21	G B	12	-33.821	-31.892	104.518	1.00	0.00	H
ATOM	955	H3'	G B	12	-28.649	-29.524	112.184	1.00	0.00	H
ATOM	956	H22	G B	12	-33.574	-30.429	105.512	1.00	0.00	H
ATOM	957	H4'	G B	12	-27.985	-28.328	109.918	1.00	0.00	H
ATOM	958	H2'1	G B	12	-29.583	-31.557	111.309	1.00	0.00	H
ATOM	959	H2'2	G B	12	-31.033	-30.577	111.471	1.00	0.00	H
ATOM	960	H5'1	G B	12	-26.658	-30.415	109.135	1.00	0.00	H
ATOM	961	H5'2	G B	12	-26.254	-29.625	110.675	1.00	0.00	H
ATOM	962	C1'	T B	13	-35.063	-29.708	109.183	1.00	0.00	C
ATOM	963	N1	T B	13	-34.559	-31.104	109.256	1.00	0.00	N
ATOM	964	C2	T B	13	-35.021	-31.993	108.305	1.00	0.00	C
ATOM	965	O2	T B	13	-35.811	-31.671	107.432	1.00	0.00	O
ATOM	966	N3	T B	13	-34.527	-33.279	108.409	1.00	0.00	N
ATOM	967	C4	T B	13	-33.638	-33.744	109.355	1.00	0.00	C
ATOM	968	O4	T B	13	-33.268	-34.924	109.351	1.00	0.00	O
ATOM	969	C5	T B	13	-33.210	-32.745	110.306	1.00	0.00	C
ATOM	970	C6	T B	13	-33.671	-31.479	110.234	1.00	0.00	C
ATOM	971	C7	T B	13	-32.241	-33.205	111.353	1.00	0.00	C
ATOM	972	C2'	T B	13	-35.313	-29.073	110.547	1.00	0.00	C
ATOM	973	C3'	T B	13	-34.914	-27.626	110.300	1.00	0.00	C
ATOM	974	O3'	T B	13	-36.020	-26.925	109.737	1.00	0.00	O
ATOM	975	C4'	T B	13	-33.751	-27.757	109.318	1.00	0.00	C
ATOM	976	O4'	T B	13	-34.089	-28.931	108.514	1.00	0.00	O
ATOM	977	C5'	T B	13	-32.381	-27.963	109.922	1.00	0.00	C
ATOM	978	O5'	T B	13	-32.487	-28.800	111.102	1.00	0.00	O
ATOM	979	O1P	T B	13	-31.830	-27.254	112.975	1.00	0.00	O
ATOM	980	O2P	T B	13	-31.472	-29.727	113.205	1.00	0.00	O
ATOM	981	P	T B	13	-31.496	-28.536	112.321	1.00	0.00	P
ATOM	982	H3	T B	13	-34.855	-33.960	107.708	1.00	0.00	H
ATOM	983	H6	T B	13	-33.334	-30.743	110.963	1.00	0.00	H
ATOM	984	H1'	T B	13	-35.970	-29.701	108.578	1.00	0.00	H
ATOM	985	H3'	T B	13	-34.599	-27.129	111.218	1.00	0.00	H
ATOM	986	H4'	T B	13	-33.722	-26.835	108.738	1.00	0.00	H
ATOM	987	H71	T B	13	-32.713	-33.156	112.334	1.00	0.00	H
ATOM	988	H72	T B	13	-31.942	-34.234	111.145	1.00	0.00	H
ATOM	989	H73	T B	13	-31.360	-32.562	111.342	1.00	0.00	H
ATOM	990	H2'1	T B	13	-34.706	-29.525	111.329	1.00	0.00	H
ATOM	991	H2'2	T B	13	-36.356	-29.149	110.853	1.00	0.00	H
ATOM	992	H5'1	T B	13	-31.734	-28.440	109.187	1.00	0.00	H
ATOM	993	H5'2	T B	13	-31.962	-26.996	110.196	1.00	0.00	H
ATOM	994	C1'	G B	14	-39.734	-30.910	108.009	1.00	0.00	C
ATOM	995	N1	G B	14	-38.038	-35.698	108.491	1.00	0.00	N
ATOM	996	C2	G B	14	-38.873	-35.144	107.537	1.00	0.00	C
ATOM	997	N2	G B	14	-39.315	-35.974	106.586	1.00	0.00	N
ATOM	998	N3	G B	14	-39.235	-33.862	107.532	1.00	0.00	N

ATOM	999	C4	G B	14	-38.699	-33.169	108.571	1.00	0.00	C
ATOM	1000	C5	G B	14	-37.864	-33.638	109.570	1.00	0.00	C
ATOM	1001	C6	G B	14	-37.475	-34.998	109.574	1.00	0.00	C
ATOM	1002	O6	G B	14	-36.747	-35.595	110.370	1.00	0.00	O
ATOM	1003	N7	G B	14	-37.538	-32.605	110.452	1.00	0.00	N
ATOM	1004	C8	G B	14	-38.170	-31.567	109.969	1.00	0.00	C
ATOM	1005	N9	G B	14	-38.899	-31.830	108.827	1.00	0.00	N
ATOM	1006	C2'	G B	14	-40.510	-29.891	108.832	1.00	0.00	C
ATOM	1007	C3'	G B	14	-40.481	-28.667	107.931	1.00	0.00	C
ATOM	1008	O3'	G B	14	-41.542	-28.757	106.984	1.00	0.00	O
ATOM	1009	C4'	G B	14	-39.107	-28.766	107.270	1.00	0.00	C
ATOM	1010	O4'	G B	14	-38.873	-30.204	107.138	1.00	0.00	O
ATOM	1011	C5'	G B	14	-37.952	-28.155	108.025	1.00	0.00	C
ATOM	1012	O5'	G B	14	-38.132	-28.362	109.449	1.00	0.00	O
ATOM	1013	O1P	G B	14	-38.465	-26.032	110.341	1.00	0.00	O
ATOM	1014	O2P	G B	14	-37.506	-27.817	111.820	1.00	0.00	O
ATOM	1015	P	G B	14	-37.624	-27.238	110.459	1.00	0.00	P
ATOM	1016	H1	G B	14	-37.813	-36.701	108.400	1.00	0.00	H
ATOM	1017	H8	G B	14	-38.125	-30.579	110.429	1.00	0.00	H
ATOM	1018	H1'	G B	14	-40.408	-31.513	107.398	1.00	0.00	H
ATOM	1019	H21	G B	14	-39.027	-36.965	106.594	1.00	0.00	H
ATOM	1020	H3'	G B	14	-40.578	-27.740	108.497	1.00	0.00	H
ATOM	1021	H22	G B	14	-39.943	-35.625	105.848	1.00	0.00	H
ATOM	1022	H4'	G B	14	-39.182	-28.258	106.308	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-40.037	-29.688	109.792	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-41.532	-30.211	109.033	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-37.023	-28.622	107.700	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-37.909	-27.087	107.811	1.00	0.00	H
ATOM	1027	C1'	C B	15	-43.425	-34.091	107.116	1.00	0.00	C
ATOM	1028	N1	C B	15	-42.614	-34.203	108.358	1.00	0.00	N
ATOM	1029	C2	C B	15	-42.060	-35.443	108.668	1.00	0.00	C
ATOM	1030	O2	C B	15	-42.265	-36.394	107.903	1.00	0.00	O
ATOM	1031	N3	C B	15	-41.318	-35.566	109.795	1.00	0.00	N
ATOM	1032	C4	C B	15	-41.116	-34.519	110.603	1.00	0.00	C
ATOM	1033	N4	C B	15	-40.379	-34.694	111.690	1.00	0.00	N
ATOM	1034	C5	C B	15	-41.677	-33.230	110.313	1.00	0.00	C
ATOM	1035	C6	C B	15	-42.416	-33.129	109.171	1.00	0.00	C
ATOM	1036	C2'	C B	15	-44.638	-33.181	107.255	1.00	0.00	C
ATOM	1037	C3'	C B	15	-44.710	-32.535	105.880	1.00	0.00	C
ATOM	1038	O3'	C B	15	-45.420	-33.397	104.993	1.00	0.00	O
ATOM	1039	C4'	C B	15	-43.239	-32.395	105.493	1.00	0.00	C
ATOM	1040	O4'	C B	15	-42.592	-33.558	106.104	1.00	0.00	O
ATOM	1041	C5'	C B	15	-42.534	-31.145	105.971	1.00	0.00	C
ATOM	1042	O5'	C B	15	-43.020	-30.783	107.288	1.00	0.00	O
ATOM	1043	O1P	C B	15	-44.200	-28.595	106.892	1.00	0.00	O
ATOM	1044	O2P	C B	15	-43.212	-29.098	109.144	1.00	0.00	O
ATOM	1045	P	C B	15	-43.122	-29.239	107.670	1.00	0.00	P
ATOM	1046	H5	C B	15	-41.519	-32.376	110.972	1.00	0.00	H
ATOM	1047	H6	C B	15	-42.857	-32.169	108.904	1.00	0.00	H
ATOM	1048	H1'	C B	15	-43.723	-35.095	106.812	1.00	0.00	H
ATOM	1049	H3'	C B	15	-45.201	-31.563	105.911	1.00	0.00	H
ATOM	1050	H4'	C B	15	-43.194	-32.406	104.404	1.00	0.00	H
ATOM	1051	H41	C B	15	-40.204	-33.903	112.329	1.00	0.00	H
ATOM	1052	H42	C B	15	-39.979	-35.621	111.898	1.00	0.00	H

ATOM	1053	H2'1	C	B	15	-44.508	-32.435	108.038	1.00	0.00	H
ATOM	1054	H2'2	C	B	15	-45.549	-33.737	107.481	1.00	0.00	H
ATOM	1055	H5'1	C	B	15	-41.462	-31.333	106.012	1.00	0.00	H
ATOM	1056	H5'2	C	B	15	-42.732	-30.335	105.270	1.00	0.00	H
ATOM	1057	C1'	G	B	16	-45.737	-38.449	107.535	1.00	0.00	C
ATOM	1058	N1	G	B	16	-43.109	-38.784	111.893	1.00	0.00	N
ATOM	1059	C2	G	B	16	-43.351	-39.744	110.927	1.00	0.00	C
ATOM	1060	N2	G	B	16	-42.826	-40.954	111.153	1.00	0.00	N
ATOM	1061	N3	G	B	16	-44.061	-39.514	109.824	1.00	0.00	N
ATOM	1062	C4	G	B	16	-44.522	-38.237	109.763	1.00	0.00	C
ATOM	1063	C5	G	B	16	-44.335	-37.216	110.679	1.00	0.00	C
ATOM	1064	C6	G	B	16	-43.577	-37.458	111.849	1.00	0.00	C
ATOM	1065	O6	G	B	16	-43.303	-36.687	112.769	1.00	0.00	O
ATOM	1066	N7	G	B	16	-44.975	-36.053	110.244	1.00	0.00	N
ATOM	1067	C8	G	B	16	-45.517	-36.398	109.104	1.00	0.00	C
ATOM	1068	N9	G	B	16	-45.287	-37.711	108.745	1.00	0.00	N
ATOM	1069	C2'	G	B	16	-47.144	-38.082	107.081	1.00	0.00	C
ATOM	1070	C3'	G	B	16	-47.021	-38.166	105.568	1.00	0.00	C
ATOM	1071	O3'	G	B	16	-47.210	-39.519	105.158	1.00	0.00	O
ATOM	1072	C4'	G	B	16	-45.595	-37.680	105.314	1.00	0.00	C
ATOM	1073	O4'	G	B	16	-44.844	-38.142	106.483	1.00	0.00	O
ATOM	1074	C5'	G	B	16	-45.409	-36.187	105.179	1.00	0.00	C
ATOM	1075	O5'	G	B	16	-46.304	-35.497	106.086	1.00	0.00	O
ATOM	1076	O1P	G	B	16	-47.885	-34.292	104.543	1.00	0.00	O
ATOM	1077	O2P	G	B	16	-47.429	-33.379	106.834	1.00	0.00	O
ATOM	1078	P	G	B	16	-46.919	-34.094	105.639	1.00	0.00	P
ATOM	1079	H1	G	B	16	-42.540	-39.063	112.708	1.00	0.00	H
ATOM	1080	H8	G	B	16	-46.098	-35.710	108.492	1.00	0.00	H
ATOM	1081	H1'	G	B	16	-45.660	-39.518	107.738	1.00	0.00	H
ATOM	1082	H21	G	B	16	-42.274	-41.123	112.007	1.00	0.00	H
ATOM	1083	H3'	G	B	16	-47.749	-37.531	105.062	1.00	0.00	H
ATOM	1084	H22	G	B	16	-42.972	-41.713	110.473	1.00	0.00	H
ATOM	1085	H4'	G	B	16	-45.263	-38.143	104.385	1.00	0.00	H
ATOM	1086	H2'1	G	B	16	-47.432	-37.079	107.400	1.00	0.00	H
ATOM	1087	H2'2	G	B	16	-47.896	-38.775	107.457	1.00	0.00	H
ATOM	1088	H5'1	G	B	16	-44.376	-35.933	105.415	1.00	0.00	H
ATOM	1089	H5'2	G	B	16	-45.626	-35.892	104.153	1.00	0.00	H
ATOM	1090	C1'	G	B	17	-46.798	-42.722	109.804	1.00	0.00	C
ATOM	1091	N1	G	B	17	-45.417	-40.178	114.004	1.00	0.00	N
ATOM	1092	C2	G	B	17	-45.127	-41.474	113.615	1.00	0.00	C
ATOM	1093	N2	G	B	17	-44.369	-42.185	114.457	1.00	0.00	N
ATOM	1094	N3	G	B	17	-45.556	-42.013	112.476	1.00	0.00	N
ATOM	1095	C4	G	B	17	-46.317	-41.152	111.750	1.00	0.00	C
ATOM	1096	C5	G	B	17	-46.661	-39.847	112.060	1.00	0.00	C
ATOM	1097	C6	G	B	17	-46.202	-39.272	113.266	1.00	0.00	C
ATOM	1098	O6	G	B	17	-46.400	-38.141	113.712	1.00	0.00	O
ATOM	1099	N7	G	B	17	-47.458	-39.305	111.049	1.00	0.00	N
ATOM	1100	C8	G	B	17	-47.565	-40.274	110.177	1.00	0.00	C
ATOM	1101	N9	G	B	17	-46.900	-41.429	110.534	1.00	0.00	N
ATOM	1102	C2'	G	B	17	-48.080	-43.125	109.088	1.00	0.00	C
ATOM	1103	C3'	G	B	17	-47.546	-43.797	107.832	1.00	0.00	C
ATOM	1104	O3'	G	B	17	-47.244	-45.159	108.123	1.00	0.00	O
ATOM	1105	C4'	G	B	17	-46.293	-42.982	107.518	1.00	0.00	C
ATOM	1106	O4'	G	B	17	-45.779	-42.590	108.831	1.00	0.00	O

ATOM	1107	C5'	G B	17	-46.493	-41.736	106.687	1.00	0.00	C
ATOM	1108	O5'	G B	17	-47.747	-41.105	107.044	1.00	0.00	O
ATOM	1109	O1P	G B	17	-49.133	-41.345	104.957	1.00	0.00	O
ATOM	1110	O2P	G B	17	-49.564	-39.444	106.537	1.00	0.00	O
ATOM	1111	P	G B	17	-48.583	-40.359	105.907	1.00	0.00	P
ATOM	1112	H1	G B	17	-45.031	-39.853	114.904	1.00	0.00	H
ATOM	1113	H8	G B	17	-48.130	-40.179	109.251	1.00	0.00	H
ATOM	1114	H1'	G B	17	-46.488	-43.490	110.511	1.00	0.00	H
ATOM	1115	H21	G B	17	-44.036	-41.760	115.335	1.00	0.00	H
ATOM	1116	H3'	G B	17	-48.259	-43.752	107.010	1.00	0.00	H
ATOM	1117	H22	G B	17	-44.119	-43.158	114.227	1.00	0.00	H
ATOM	1118	H4'	G B	17	-45.615	-43.639	106.975	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-48.704	-42.266	108.843	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-48.685	-43.811	109.679	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-45.669	-41.048	106.871	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-46.504	-42.009	105.632	1.00	0.00	H
ATOM	1123	C1'	C B	18	-47.207	-45.676	113.758	1.00	0.00	C
ATOM	1124	N1	C B	18	-47.842	-44.329	113.749	1.00	0.00	N
ATOM	1125	C2	C B	18	-47.584	-43.480	114.823	1.00	0.00	C
ATOM	1126	O2	C B	18	-46.844	-43.874	115.732	1.00	0.00	O
ATOM	1127	N3	C B	18	-48.154	-42.251	114.833	1.00	0.00	N
ATOM	1128	C4	C B	18	-48.951	-41.853	113.833	1.00	0.00	C
ATOM	1129	N4	C B	18	-49.480	-40.640	113.894	1.00	0.00	N
ATOM	1130	C5	C B	18	-49.235	-42.707	112.720	1.00	0.00	C
ATOM	1131	C6	C B	18	-48.650	-43.939	112.728	1.00	0.00	C
ATOM	1132	C2'	C B	18	-48.100	-46.781	113.210	1.00	0.00	C
ATOM	1133	C3'	C B	18	-47.097	-47.678	112.501	1.00	0.00	C
ATOM	1134	O3'	C B	18	-46.518	-48.572	113.449	1.00	0.00	O
ATOM	1135	C4'	C B	18	-46.079	-46.681	111.953	1.00	0.00	C
ATOM	1136	O4'	C B	18	-46.048	-45.609	112.949	1.00	0.00	O
ATOM	1137	C5'	C B	18	-46.389	-46.076	110.604	1.00	0.00	C
ATOM	1138	O5'	C B	18	-47.817	-45.857	110.483	1.00	0.00	O
ATOM	1139	O1P	C B	18	-48.498	-47.448	108.654	1.00	0.00	O
ATOM	1140	O2P	C B	18	-49.824	-45.356	109.055	1.00	0.00	O
ATOM	1141	P	C B	18	-48.501	-46.026	109.052	1.00	0.00	P
ATOM	1142	H5	C B	18	-49.887	-42.389	111.905	1.00	0.00	H
ATOM	1143	H6	C B	18	-48.834	-44.622	111.900	1.00	0.00	H
ATOM	1144	H1'	C B	18	-46.893	-45.897	114.777	1.00	0.00	H
ATOM	1145	H3'	C B	18	-47.558	-48.251	111.697	1.00	0.00	H
ATOM	1146	H4'	C B	18	-45.130	-47.211	111.868	1.00	0.00	H
ATOM	1147	H41	C B	18	-50.096	-40.307	113.137	1.00	0.00	H
ATOM	1148	H42	C B	18	-49.275	-40.028	114.697	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-48.850	-46.400	112.518	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-48.626	-47.317	114.000	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-45.862	-45.127	110.506	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-46.053	-46.755	109.822	1.00	0.00	H
ATOM	1153	C1'	C B	19	-47.819	-46.581	118.589	1.00	0.00	C
ATOM	1154	N1	C B	19	-48.771	-45.703	117.857	1.00	0.00	N
ATOM	1155	C2	C B	19	-49.047	-44.447	118.394	1.00	0.00	C
ATOM	1156	O2	C B	19	-48.492	-44.114	119.449	1.00	0.00	O
ATOM	1157	N3	C B	19	-49.912	-43.634	117.742	1.00	0.00	N
ATOM	1158	C4	C B	19	-50.497	-44.024	116.601	1.00	0.00	C
ATOM	1159	N4	C B	19	-51.332	-43.189	116.006	1.00	0.00	N
ATOM	1160	C5	C B	19	-50.232	-45.308	116.029	1.00	0.00	C

ATOM	1161	C6	C B	19	-49.358	-46.110	116.701	1.00	0.00	C
ATOM	1162	C2'	C B	19	-48.200	-48.054	118.566	1.00	0.00	C
ATOM	1163	C3'	C B	19	-46.840	-48.733	118.495	1.00	0.00	C
ATOM	1164	O3'	C B	19	-46.309	-48.858	119.811	1.00	0.00	O
ATOM	1165	C4'	C B	19	-46.025	-47.770	117.634	1.00	0.00	C
ATOM	1166	O4'	C B	19	-46.552	-46.448	117.972	1.00	0.00	O
ATOM	1167	C5'	C B	19	-46.125	-47.959	116.137	1.00	0.00	C
ATOM	1168	O5'	C B	19	-47.474	-48.352	115.781	1.00	0.00	O
ATOM	1169	O1P	C B	19	-47.188	-50.696	114.913	1.00	0.00	O
ATOM	1170	O2P	C B	19	-49.093	-49.280	114.098	1.00	0.00	O
ATOM	1171	P	C B	19	-47.684	-49.352	114.558	1.00	0.00	P
ATOM	1172	H5	C B	19	-50.706	-45.631	115.102	1.00	0.00	H
ATOM	1173	H6	C B	19	-49.124	-47.097	116.302	1.00	0.00	H
ATOM	1174	H1'	C B	19	-47.735	-46.214	119.612	1.00	0.00	H
ATOM	1175	H3'	C B	19	-46.900	-49.718	118.033	1.00	0.00	H
ATOM	1176	H4'	C B	19	-44.980	-47.898	117.916	1.00	0.00	H
ATOM	1177	H41	C B	19	-51.796	-43.460	115.126	1.00	0.00	H
ATOM	1178	H42	C B	19	-51.522	-42.263	116.421	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-48.816	-48.310	117.704	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-48.747	-48.353	119.460	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-45.869	-47.024	115.641	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-45.422	-48.732	115.828	1.00	0.00	H
ATOM	1183	C1'	T B	20	-49.392	-45.508	123.157	1.00	0.00	C
ATOM	1184	N1	T B	20	-50.328	-45.423	122.004	1.00	0.00	N
ATOM	1185	C2	T B	20	-51.044	-44.252	121.860	1.00	0.00	C
ATOM	1186	O2	T B	20	-50.935	-43.313	122.628	1.00	0.00	O
ATOM	1187	N3	T B	20	-51.900	-44.216	120.776	1.00	0.00	N
ATOM	1188	C4	T B	20	-52.098	-45.218	119.851	1.00	0.00	C
ATOM	1189	O4	T B	20	-52.898	-45.069	118.918	1.00	0.00	O
ATOM	1190	C5	T B	20	-51.307	-46.402	120.084	1.00	0.00	C
ATOM	1191	C6	T B	20	-50.461	-46.474	121.130	1.00	0.00	C
ATOM	1192	C7	T B	20	-51.489	-47.519	119.101	1.00	0.00	C
ATOM	1193	C2'	T B	20	-49.342	-46.887	123.805	1.00	0.00	C
ATOM	1194	C3'	T B	20	-47.878	-46.997	124.204	1.00	0.00	C
ATOM	1195	O3'	T B	20	-47.687	-46.362	125.468	1.00	0.00	O
ATOM	1196	C4'	T B	20	-47.162	-46.261	123.074	1.00	0.00	C
ATOM	1197	O4'	T B	20	-48.095	-45.203	122.685	1.00	0.00	O
ATOM	1198	C5'	T B	20	-46.822	-47.078	121.849	1.00	0.00	C
ATOM	1199	O5'	T B	20	-47.879	-48.038	121.591	1.00	0.00	O
ATOM	1200	O1P	T B	20	-46.759	-50.257	121.986	1.00	0.00	O
ATOM	1201	O2P	T B	20	-48.703	-50.095	120.407	1.00	0.00	O
ATOM	1202	P	T B	20	-47.492	-49.459	120.982	1.00	0.00	P
ATOM	1203	H3	T B	20	-52.446	-43.353	120.646	1.00	0.00	H
ATOM	1204	H6	T B	20	-49.873	-47.378	121.286	1.00	0.00	H
ATOM	1205	H1'	T B	20	-49.673	-44.746	123.883	1.00	0.00	H
ATOM	1206	H3'	T B	20	-47.550	-48.034	124.269	1.00	0.00	H
ATOM	1207	H4'	T B	20	-46.229	-45.877	123.487	1.00	0.00	H
ATOM	1208	H3T	T B	20	-48.273	-46.661	126.166	1.00	0.00	H
ATOM	1209	H71	T B	20	-51.935	-48.377	119.603	1.00	0.00	H
ATOM	1210	H72	T B	20	-52.146	-47.189	118.293	1.00	0.00	H
ATOM	1211	H73	T B	20	-50.521	-47.803	118.686	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-49.626	-47.679	123.115	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-49.996	-46.959	124.675	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-46.710	-46.413	120.993	1.00	0.00	H

ATOM	1215	H5'2	T B	20	-45.883	-47.603	122.020	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-20.848	-60.081	126.464	1.00	0.00	C
ATOM	2	N1	A A	1	-21.310	-63.833	122.993	1.00	0.00	N
ATOM	3	C2	A A	1	-20.301	-63.444	123.767	1.00	0.00	C
ATOM	4	N3	A A	1	-20.250	-62.466	124.646	1.00	0.00	N
ATOM	5	C4	A A	1	-21.430	-61.822	124.696	1.00	0.00	C
ATOM	6	C5	A A	1	-22.556	-62.093	123.971	1.00	0.00	C
ATOM	7	C6	A A	1	-22.475	-63.172	123.064	1.00	0.00	C
ATOM	8	N6	A A	1	-23.502	-63.554	122.286	1.00	0.00	N
ATOM	9	N7	A A	1	-23.579	-61.218	124.291	1.00	0.00	N
ATOM	10	C8	A A	1	-23.052	-60.441	125.191	1.00	0.00	C
ATOM	11	N9	A A	1	-21.751	-60.749	125.489	1.00	0.00	N
ATOM	12	C2'	A A	1	-21.018	-58.570	126.523	1.00	0.00	C
ATOM	13	C3'	A A	1	-20.786	-58.283	127.998	1.00	0.00	C
ATOM	14	O3'	A A	1	-19.386	-58.165	128.238	1.00	0.00	O
ATOM	15	C4'	A A	1	-21.389	-59.508	128.683	1.00	0.00	C
ATOM	16	O4'	A A	1	-21.135	-60.605	127.746	1.00	0.00	O
ATOM	17	C5'	A A	1	-22.870	-59.454	128.972	1.00	0.00	C
ATOM	18	O5'	A A	1	-23.556	-58.761	127.899	1.00	0.00	O
ATOM	19	H2	A A	1	-19.383	-64.020	123.658	1.00	0.00	H
ATOM	20	H8	A A	1	-23.596	-59.623	125.665	1.00	0.00	H
ATOM	21	H1'	A A	1	-19.820	-60.350	126.215	1.00	0.00	H
ATOM	22	H3'	A A	1	-21.286	-57.367	128.320	1.00	0.00	H
ATOM	23	H4'	A A	1	-20.868	-59.628	129.631	1.00	0.00	H
ATOM	24	H61	A A	1	-23.391	-64.349	121.643	1.00	0.00	H
ATOM	25	H62	A A	1	-24.399	-63.051	122.337	1.00	0.00	H
ATOM	26	H5T	A A	1	-24.324	-58.226	128.110	1.00	0.00	H
ATOM	27	H2'1	A A	1	-22.011	-58.252	126.209	1.00	0.00	H
ATOM	28	H2'2	A A	1	-20.292	-58.047	125.900	1.00	0.00	H
ATOM	29	H5'1	A A	1	-23.255	-60.470	129.060	1.00	0.00	H
ATOM	30	H5'2	A A	1	-23.032	-58.928	129.912	1.00	0.00	H
ATOM	31	C1'	G A	2	-16.780	-60.307	123.626	1.00	0.00	C
ATOM	32	N1	G A	2	-19.945	-62.387	120.210	1.00	0.00	N
ATOM	33	C2	G A	2	-18.657	-62.746	120.558	1.00	0.00	C
ATOM	34	N2	G A	2	-18.141	-63.797	119.909	1.00	0.00	N
ATOM	35	N3	G A	2	-17.938	-62.107	121.480	1.00	0.00	N
ATOM	36	C4	G A	2	-18.614	-61.065	122.030	1.00	0.00	C
ATOM	37	C5	G A	2	-19.899	-60.632	121.744	1.00	0.00	C
ATOM	38	C6	G A	2	-20.662	-61.313	120.767	1.00	0.00	C
ATOM	39	O6	G A	2	-21.809	-61.084	120.380	1.00	0.00	O
ATOM	40	N7	G A	2	-20.222	-59.524	122.530	1.00	0.00	N
ATOM	41	C8	G A	2	-19.149	-59.327	123.253	1.00	0.00	C
ATOM	42	N9	G A	2	-18.129	-60.222	123.007	1.00	0.00	N
ATOM	43	C2'	G A	2	-16.150	-58.951	123.916	1.00	0.00	C
ATOM	44	C3'	G A	2	-15.401	-59.218	125.210	1.00	0.00	C
ATOM	45	O3'	G A	2	-14.126	-59.779	124.907	1.00	0.00	O
ATOM	46	C4'	G A	2	-16.311	-60.210	125.932	1.00	0.00	C
ATOM	47	O4'	G A	2	-16.911	-60.997	124.854	1.00	0.00	O
ATOM	48	C5'	G A	2	-17.417	-59.617	126.772	1.00	0.00	C
ATOM	49	O5'	G A	2	-17.938	-58.428	126.128	1.00	0.00	O
ATOM	50	O1P	G A	2	-17.295	-56.580	127.712	1.00	0.00	O
ATOM	51	O2P	G A	2	-19.307	-56.324	126.235	1.00	0.00	O
ATOM	52	P	G A	2	-18.443	-57.220	127.040	1.00	0.00	P

ATOM	53	H1	G A	2	-20.414	-62.949	119.486	1.00	0.00	H
ATOM	54	H8	G A	2	-19.069	-58.525	123.987	1.00	0.00	H
ATOM	55	H1'	G A	2	-16.141	-60.902	122.974	1.00	0.00	H
ATOM	56	H21	G A	2	-18.702	-64.287	119.198	1.00	0.00	H
ATOM	57	H3'	G A	2	-15.265	-58.309	125.798	1.00	0.00	H
ATOM	58	H22	G A	2	-17.185	-64.113	120.122	1.00	0.00	H
ATOM	59	H4'	G A	2	-15.676	-60.803	126.589	1.00	0.00	H
ATOM	60	H2'1	G A	2	-16.897	-58.168	124.043	1.00	0.00	H
ATOM	61	H2'2	G A	2	-15.472	-58.632	123.122	1.00	0.00	H
ATOM	62	H5'1	G A	2	-18.213	-60.353	126.887	1.00	0.00	H
ATOM	63	H5'2	G A	2	-17.021	-59.362	127.755	1.00	0.00	H
ATOM	64	C1'	G A	3	-14.292	-61.398	119.485	1.00	0.00	C
ATOM	65	N1	G A	3	-18.873	-60.952	117.289	1.00	0.00	N
ATOM	66	C2	G A	3	-17.881	-61.894	117.089	1.00	0.00	C
ATOM	67	N2	G A	3	-18.143	-62.842	116.180	1.00	0.00	N
ATOM	68	N3	G A	3	-16.721	-61.890	117.741	1.00	0.00	N
ATOM	69	C4	G A	3	-16.624	-60.856	118.617	1.00	0.00	C
ATOM	70	C5	G A	3	-17.560	-59.870	118.881	1.00	0.00	C
ATOM	71	C6	G A	3	-18.794	-59.876	118.191	1.00	0.00	C
ATOM	72	O6	G A	3	-19.741	-59.095	118.287	1.00	0.00	O
ATOM	73	N7	G A	3	-17.073	-58.990	119.849	1.00	0.00	N
ATOM	74	C8	G A	3	-15.888	-59.461	120.137	1.00	0.00	C
ATOM	75	N9	G A	3	-15.543	-60.593	119.428	1.00	0.00	N
ATOM	76	C2'	G A	3	-13.032	-60.562	119.668	1.00	0.00	C
ATOM	77	C3'	G A	3	-12.180	-61.458	120.550	1.00	0.00	C
ATOM	78	O3'	G A	3	-11.479	-62.391	119.732	1.00	0.00	O
ATOM	79	C4'	G A	3	-13.215	-62.140	121.444	1.00	0.00	C
ATOM	80	O4'	G A	3	-14.394	-62.278	120.588	1.00	0.00	O
ATOM	81	C5'	G A	3	-13.614	-61.397	122.697	1.00	0.00	C
ATOM	82	O5'	G A	3	-13.648	-59.972	122.433	1.00	0.00	O
ATOM	83	O1P	G A	3	-11.780	-59.069	123.858	1.00	0.00	O
ATOM	84	O2P	G A	3	-13.735	-57.607	123.279	1.00	0.00	O
ATOM	85	P	G A	3	-13.227	-58.964	123.596	1.00	0.00	P
ATOM	86	H1	G A	3	-19.738	-61.048	116.735	1.00	0.00	H
ATOM	87	H8	G A	3	-15.228	-59.000	120.872	1.00	0.00	H
ATOM	88	H1'	G A	3	-14.232	-62.000	118.579	1.00	0.00	H
ATOM	89	H21	G A	3	-19.045	-62.840	115.680	1.00	0.00	H
ATOM	90	H3'	G A	3	-11.464	-60.889	121.143	1.00	0.00	H
ATOM	91	H22	G A	3	-17.444	-63.571	115.982	1.00	0.00	H
ATOM	92	H4'	G A	3	-12.793	-63.098	121.744	1.00	0.00	H
ATOM	93	H2'1	G A	3	-13.237	-59.607	120.153	1.00	0.00	H
ATOM	94	H2'2	G A	3	-12.536	-60.348	118.721	1.00	0.00	H
ATOM	95	H5'1	G A	3	-14.597	-61.737	123.017	1.00	0.00	H
ATOM	96	H5'2	G A	3	-12.888	-61.609	123.483	1.00	0.00	H
ATOM	97	C1'	C A	4	-13.906	-62.242	114.620	1.00	0.00	C
ATOM	98	N1	C A	4	-14.575	-61.010	115.123	1.00	0.00	N
ATOM	99	C2	C A	4	-15.847	-60.716	114.636	1.00	0.00	C
ATOM	100	O2	C A	4	-16.364	-61.480	113.812	1.00	0.00	O
ATOM	101	N3	C A	4	-16.474	-59.599	115.082	1.00	0.00	N
ATOM	102	C4	C A	4	-15.887	-58.790	115.973	1.00	0.00	C
ATOM	103	N4	C A	4	-16.547	-57.713	116.376	1.00	0.00	N
ATOM	104	C5	C A	4	-14.580	-59.069	116.488	1.00	0.00	C
ATOM	105	C6	C A	4	-13.969	-60.199	116.028	1.00	0.00	C
ATOM	106	C2'	C A	4	-12.407	-62.083	114.411	1.00	0.00	C

ATOM	107	C3'	C A	4	-11.883	-63.455	114.808	1.00	0.00	C
ATOM	108	O3'	C A	4	-11.977	-64.334	113.689	1.00	0.00	O
ATOM	109	C4'	C A	4	-12.822	-63.861	115.942	1.00	0.00	C
ATOM	110	O4'	C A	4	-14.107	-63.263	115.579	1.00	0.00	O
ATOM	111	C5'	C A	4	-12.444	-63.389	117.327	1.00	0.00	C
ATOM	112	O5'	C A	4	-11.861	-62.064	117.251	1.00	0.00	O
ATOM	113	O1P	C A	4	-9.477	-62.434	117.966	1.00	0.00	O
ATOM	114	O2P	C A	4	-10.560	-60.199	118.321	1.00	0.00	O
ATOM	115	P	C A	4	-10.703	-61.675	118.277	1.00	0.00	P
ATOM	116	H5	C A	4	-14.096	-58.410	117.209	1.00	0.00	H
ATOM	117	H6	C A	4	-12.975	-60.455	116.395	1.00	0.00	H
ATOM	118	H1'	C A	4	-14.400	-62.545	113.698	1.00	0.00	H
ATOM	119	H3'	C A	4	-10.848	-63.413	115.148	1.00	0.00	H
ATOM	120	H4'	C A	4	-12.848	-64.951	115.957	1.00	0.00	H
ATOM	121	H41	C A	4	-16.119	-57.075	117.062	1.00	0.00	H
ATOM	122	H42	C A	4	-17.487	-57.514	116.003	1.00	0.00	H
ATOM	123	H2'1	C A	4	-11.981	-61.301	115.037	1.00	0.00	H
ATOM	124	H2'2	C A	4	-12.156	-61.846	113.375	1.00	0.00	H
ATOM	125	H5'1	C A	4	-13.336	-63.364	117.953	1.00	0.00	H
ATOM	126	H5'2	C A	4	-11.724	-64.084	117.757	1.00	0.00	H
ATOM	127	C1'	C A	5	-15.346	-61.801	109.902	1.00	0.00	C
ATOM	128	N1	C A	5	-15.164	-60.592	110.753	1.00	0.00	N
ATOM	129	C2	C A	5	-16.212	-59.676	110.813	1.00	0.00	C
ATOM	130	O2	C A	5	-17.242	-59.899	110.163	1.00	0.00	O
ATOM	131	N3	C A	5	-16.068	-58.569	111.583	1.00	0.00	N
ATOM	132	C4	C A	5	-14.942	-58.353	112.275	1.00	0.00	C
ATOM	133	N4	C A	5	-14.856	-57.258	113.013	1.00	0.00	N
ATOM	134	C5	C A	5	-13.849	-59.279	112.229	1.00	0.00	C
ATOM	135	C6	C A	5	-14.018	-60.386	111.452	1.00	0.00	C
ATOM	136	C2'	C A	5	-14.083	-62.227	109.167	1.00	0.00	C
ATOM	137	C3'	C A	5	-14.204	-63.743	109.184	1.00	0.00	C
ATOM	138	O3'	C A	5	-15.018	-64.160	108.091	1.00	0.00	O
ATOM	139	C4'	C A	5	-14.864	-64.016	110.533	1.00	0.00	C
ATOM	140	O4'	C A	5	-15.742	-62.866	110.746	1.00	0.00	O
ATOM	141	C5'	C A	5	-13.937	-64.144	111.720	1.00	0.00	C
ATOM	142	O5'	C A	5	-12.832	-63.214	111.581	1.00	0.00	O
ATOM	143	O1P	C A	5	-10.836	-64.721	111.307	1.00	0.00	O
ATOM	144	O2P	C A	5	-10.553	-62.430	112.289	1.00	0.00	O
ATOM	145	P	C A	5	-11.399	-63.639	112.136	1.00	0.00	P
ATOM	146	H5	C A	5	-12.928	-59.106	112.787	1.00	0.00	H
ATOM	147	H6	C A	5	-13.216	-61.122	111.389	1.00	0.00	H
ATOM	148	H1'	C A	5	-16.159	-61.606	109.204	1.00	0.00	H
ATOM	149	H3'	C A	5	-13.231	-64.231	109.115	1.00	0.00	H
ATOM	150	H4'	C A	5	-15.407	-64.956	110.434	1.00	0.00	H
ATOM	151	H41	C A	5	-14.002	-57.069	113.557	1.00	0.00	H
ATOM	152	H42	C A	5	-15.643	-56.593	113.043	1.00	0.00	H
ATOM	153	H2'1	C A	5	-13.177	-61.896	109.673	1.00	0.00	H
ATOM	154	H2'2	C A	5	-14.049	-61.842	108.146	1.00	0.00	H
ATOM	155	H5'1	C A	5	-14.492	-63.923	112.633	1.00	0.00	H
ATOM	156	H5'2	C A	5	-13.557	-65.163	111.769	1.00	0.00	H
ATOM	157	C1'	G A	6	-17.637	-59.526	106.146	1.00	0.00	C
ATOM	158	N1	G A	6	-16.874	-55.339	108.960	1.00	0.00	N
ATOM	159	C2	G A	6	-17.991	-55.738	108.245	1.00	0.00	C
ATOM	160	N2	G A	6	-19.041	-54.910	108.281	1.00	0.00	N

ATOM	161	N3	G A	6	-18.051	-56.872	107.548	1.00	0.00	N
ATOM	162	C4	G A	6	-16.895	-57.582	107.615	1.00	0.00	C
ATOM	163	C5	G A	6	-15.733	-57.262	108.298	1.00	0.00	C
ATOM	164	C6	G A	6	-15.668	-56.062	109.040	1.00	0.00	C
ATOM	165	O6	G A	6	-14.736	-55.608	109.704	1.00	0.00	O
ATOM	166	N7	G A	6	-14.773	-58.258	108.110	1.00	0.00	N
ATOM	167	C8	G A	6	-15.370	-59.131	107.342	1.00	0.00	C
ATOM	168	N9	G A	6	-16.662	-58.791	106.997	1.00	0.00	N
ATOM	169	C2'	G A	6	-17.005	-60.223	104.950	1.00	0.00	C
ATOM	170	C3'	G A	6	-17.839	-61.488	104.841	1.00	0.00	C
ATOM	171	O3'	G A	6	-19.020	-61.209	104.092	1.00	0.00	O
ATOM	172	C4'	G A	6	-18.145	-61.820	106.300	1.00	0.00	C
ATOM	173	O4'	G A	6	-18.252	-60.514	106.951	1.00	0.00	O
ATOM	174	C5'	G A	6	-17.113	-62.643	107.033	1.00	0.00	C
ATOM	175	O5'	G A	6	-15.784	-62.265	106.596	1.00	0.00	O
ATOM	176	O1P	G A	6	-14.944	-64.330	105.429	1.00	0.00	O
ATOM	177	O2P	G A	6	-13.318	-62.736	106.483	1.00	0.00	O
ATOM	178	P	G A	6	-14.652	-63.386	106.524	1.00	0.00	P
ATOM	179	H1	G A	6	-16.932	-54.445	109.472	1.00	0.00	H
ATOM	180	H8	G A	6	-14.890	-60.049	107.000	1.00	0.00	H
ATOM	181	H1'	G A	6	-18.409	-58.825	105.828	1.00	0.00	H
ATOM	182	H21	G A	6	-18.989	-54.036	108.826	1.00	0.00	H
ATOM	183	H3'	G A	6	-17.292	-62.300	104.360	1.00	0.00	H
ATOM	184	H22	G A	6	-19.902	-55.148	107.769	1.00	0.00	H
ATOM	185	H4'	G A	6	-19.082	-62.377	106.309	1.00	0.00	H
ATOM	186	H2'1	G A	6	-15.952	-60.456	105.115	1.00	0.00	H
ATOM	187	H2'2	G A	6	-17.069	-59.625	104.040	1.00	0.00	H
ATOM	188	H5'1	G A	6	-17.212	-62.472	108.103	1.00	0.00	H
ATOM	189	H5'2	G A	6	-17.284	-63.700	106.823	1.00	0.00	H
ATOM	190	C1'	C A	7	-19.480	-55.575	103.800	1.00	0.00	C
ATOM	191	N1	C A	7	-18.080	-55.569	104.303	1.00	0.00	N
ATOM	192	C2	C A	7	-17.679	-54.498	105.098	1.00	0.00	C
ATOM	193	O2	C A	7	-18.493	-53.601	105.350	1.00	0.00	O
ATOM	194	N3	C A	7	-16.407	-54.473	105.567	1.00	0.00	N
ATOM	195	C4	C A	7	-15.547	-55.457	105.276	1.00	0.00	C
ATOM	196	N4	C A	7	-14.316	-55.384	105.764	1.00	0.00	N
ATOM	197	C5	C A	7	-15.931	-56.569	104.458	1.00	0.00	C
ATOM	198	C6	C A	7	-17.218	-56.576	103.999	1.00	0.00	C
ATOM	199	C2'	C A	7	-19.621	-56.112	102.381	1.00	0.00	C
ATOM	200	C3'	C A	7	-20.955	-56.840	102.449	1.00	0.00	C
ATOM	201	O3'	C A	7	-22.010	-55.904	102.231	1.00	0.00	O
ATOM	202	C4'	C A	7	-20.964	-57.402	103.868	1.00	0.00	C
ATOM	203	O4'	C A	7	-20.244	-56.402	104.658	1.00	0.00	O
ATOM	204	C5'	C A	7	-20.297	-58.743	104.063	1.00	0.00	C
ATOM	205	O5'	C A	7	-19.131	-58.840	103.208	1.00	0.00	O
ATOM	206	O1P	C A	7	-19.747	-60.662	101.582	1.00	0.00	O
ATOM	207	O2P	C A	7	-17.337	-60.231	102.131	1.00	0.00	O
ATOM	208	P	C A	7	-18.745	-60.259	102.592	1.00	0.00	P
ATOM	209	H5	C A	7	-15.233	-57.371	104.212	1.00	0.00	H
ATOM	210	H6	C A	7	-17.560	-57.405	103.380	1.00	0.00	H
ATOM	211	H1'	C A	7	-19.875	-54.561	103.874	1.00	0.00	H
ATOM	212	H3'	C A	7	-21.021	-57.638	101.707	1.00	0.00	H
ATOM	213	H4'	C A	7	-22.009	-57.504	104.160	1.00	0.00	H
ATOM	214	H41	C A	7	-13.635	-56.129	105.557	1.00	0.00	H

ATOM	215	H42	C A	7	-14.040	-54.584	106.349	1.00	0.00	H
ATOM	216	H2'1	C A	7	-18.812	-56.790	102.113	1.00	0.00	H
ATOM	217	H2'2	C A	7	-19.640	-55.314	101.637	1.00	0.00	H
ATOM	218	H5'1	C A	7	-19.999	-58.848	105.107	1.00	0.00	H
ATOM	219	H5'2	C A	7	-21.004	-59.535	103.811	1.00	0.00	H
ATOM	220	C1'	A A	8	-19.770	-50.744	102.758	1.00	0.00	C
ATOM	221	N1	A A	8	-14.885	-50.698	104.334	1.00	0.00	N
ATOM	222	C2	A A	8	-15.907	-49.875	104.551	1.00	0.00	C
ATOM	223	N3	A A	8	-17.147	-49.948	104.116	1.00	0.00	N
ATOM	224	C4	A A	8	-17.306	-51.040	103.345	1.00	0.00	C
ATOM	225	C5	A A	8	-16.364	-51.977	103.026	1.00	0.00	C
ATOM	226	C6	A A	8	-15.075	-51.780	103.563	1.00	0.00	C
ATOM	227	N6	A A	8	-14.049	-52.618	103.336	1.00	0.00	N
ATOM	228	N7	A A	8	-16.894	-52.962	102.210	1.00	0.00	N
ATOM	229	C8	A A	8	-18.133	-52.600	102.051	1.00	0.00	C
ATOM	230	N9	A A	8	-18.457	-51.443	102.713	1.00	0.00	N
ATOM	231	C2'	A A	8	-20.532	-50.781	101.441	1.00	0.00	C
ATOM	232	C3'	A A	8	-21.973	-50.890	101.910	1.00	0.00	C
ATOM	233	O3'	A A	8	-22.470	-49.585	102.196	1.00	0.00	O
ATOM	234	C4'	A A	8	-21.858	-51.751	103.167	1.00	0.00	C
ATOM	235	O4'	A A	8	-20.562	-51.381	103.741	1.00	0.00	O
ATOM	236	C5'	A A	8	-21.885	-53.247	102.958	1.00	0.00	C
ATOM	237	O5'	A A	8	-21.188	-53.584	101.732	1.00	0.00	O
ATOM	238	O1P	A A	8	-23.016	-54.494	100.258	1.00	0.00	O
ATOM	239	O2P	A A	8	-20.645	-55.250	99.931	1.00	0.00	O
ATOM	240	P	A A	8	-21.712	-54.820	100.868	1.00	0.00	P
ATOM	241	H2	A A	8	-15.686	-49.017	105.183	1.00	0.00	H
ATOM	242	H8	A A	8	-18.848	-53.162	101.450	1.00	0.00	H
ATOM	243	H1'	A A	8	-19.598	-49.717	103.081	1.00	0.00	H
ATOM	244	H3'	A A	8	-22.611	-51.364	101.166	1.00	0.00	H
ATOM	245	H4'	A A	8	-22.698	-51.490	103.808	1.00	0.00	H
ATOM	246	H61	A A	8	-13.128	-52.430	103.754	1.00	0.00	H
ATOM	247	H62	A A	8	-14.187	-53.449	102.743	1.00	0.00	H
ATOM	248	H2'1	A A	8	-20.250	-51.635	100.825	1.00	0.00	H
ATOM	249	H2'2	A A	8	-20.374	-49.882	100.847	1.00	0.00	H
ATOM	250	H5'1	A A	8	-21.397	-53.734	103.804	1.00	0.00	H
ATOM	251	H5'2	A A	8	-22.919	-53.582	102.898	1.00	0.00	H
ATOM	252	C1'	C A	9	-17.913	-46.147	102.465	1.00	0.00	C
ATOM	253	N1	C A	9	-17.192	-47.292	101.843	1.00	0.00	N
ATOM	254	C2	C A	9	-15.842	-47.457	102.149	1.00	0.00	C
ATOM	255	O2	C A	9	-15.302	-46.652	102.917	1.00	0.00	O
ATOM	256	N3	C A	9	-15.169	-48.493	101.593	1.00	0.00	N
ATOM	257	C4	C A	9	-15.781	-49.348	100.763	1.00	0.00	C
ATOM	258	N4	C A	9	-15.075	-50.345	100.251	1.00	0.00	N
ATOM	259	C5	C A	9	-17.168	-49.200	100.427	1.00	0.00	C
ATOM	260	C6	C A	9	-17.828	-48.152	101.002	1.00	0.00	C
ATOM	261	C2'	C A	9	-18.925	-45.485	101.541	1.00	0.00	C
ATOM	262	C3'	C A	9	-20.036	-45.103	102.509	1.00	0.00	C
ATOM	263	O3'	C A	9	-19.719	-43.849	103.111	1.00	0.00	O
ATOM	264	C4'	C A	9	-20.016	-46.249	103.517	1.00	0.00	C
ATOM	265	O4'	C A	9	-18.609	-46.640	103.595	1.00	0.00	O
ATOM	266	C5'	C A	9	-20.836	-47.468	103.164	1.00	0.00	C
ATOM	267	O5'	C A	9	-20.774	-47.702	101.734	1.00	0.00	O
ATOM	268	O1P	C A	9	-23.138	-47.297	100.972	1.00	0.00	O

ATOM	269	O2P	C	A	9	-21.653	-48.855	99.681	1.00	0.00	O
ATOM	270	P	C	A	9	-22.055	-48.300	100.997	1.00	0.00	P
ATOM	271	H5	C	A	9	-17.669	-49.891	99.748	1.00	0.00	H
ATOM	272	H6	C	A	9	-18.886	-48.004	100.785	1.00	0.00	H
ATOM	273	H1'	C	A	9	-17.173	-45.428	102.814	1.00	0.00	H
ATOM	274	H3'	C	A	9	-21.002	-45.030	102.012	1.00	0.00	H
ATOM	275	H4'	C	A	9	-20.401	-45.851	104.457	1.00	0.00	H
ATOM	276	H41	C	A	9	-15.522	-51.019	99.612	1.00	0.00	H
ATOM	277	H42	C	A	9	-14.078	-50.447	100.491	1.00	0.00	H
ATOM	278	H2'1	C	A	9	-19.289	-46.163	100.771	1.00	0.00	H
ATOM	279	H2'2	C	A	9	-18.516	-44.608	101.039	1.00	0.00	H
ATOM	280	H5'1	C	A	9	-20.442	-48.332	103.696	1.00	0.00	H
ATOM	281	H5'2	C	A	9	-21.871	-47.302	103.464	1.00	0.00	H
ATOM	282	C1'	C	A	10	-14.252	-42.842	102.012	1.00	0.00	C
ATOM	283	N1	C	A	10	-14.382	-43.964	101.042	1.00	0.00	N
ATOM	284	C2	C	A	10	-13.257	-44.751	100.801	1.00	0.00	C
ATOM	285	O2	C	A	10	-12.204	-44.488	101.396	1.00	0.00	O
ATOM	286	N3	C	A	10	-13.353	-45.778	99.921	1.00	0.00	N
ATOM	287	C4	C	A	10	-14.506	-46.038	99.290	1.00	0.00	C
ATOM	288	N4	C	A	10	-14.545	-47.056	98.442	1.00	0.00	N
ATOM	289	C5	C	A	10	-15.677	-45.244	99.516	1.00	0.00	C
ATOM	290	C6	C	A	10	-15.558	-44.217	100.410	1.00	0.00	C
ATOM	291	C2'	C	A	10	-15.029	-41.595	101.614	1.00	0.00	C
ATOM	292	C3'	C	A	10	-15.495	-41.069	102.962	1.00	0.00	C
ATOM	293	O3'	C	A	10	-14.457	-40.277	103.540	1.00	0.00	O
ATOM	294	C4'	C	A	10	-15.754	-42.346	103.755	1.00	0.00	C
ATOM	295	O4'	C	A	10	-14.754	-43.291	103.257	1.00	0.00	O
ATOM	296	C5'	C	A	10	-17.123	-42.967	103.600	1.00	0.00	C
ATOM	297	O5'	C	A	10	-17.582	-42.806	102.233	1.00	0.00	O
ATOM	298	O1P	C	A	10	-19.559	-41.264	102.461	1.00	0.00	O
ATOM	299	O2P	C	A	10	-19.439	-42.878	100.543	1.00	0.00	O
ATOM	300	P	C	A	10	-19.139	-42.590	101.966	1.00	0.00	P
ATOM	301	H5	C	A	10	-16.617	-45.447	98.999	1.00	0.00	H
ATOM	302	H6	C	A	10	-16.425	-43.590	100.621	1.00	0.00	H
ATOM	303	H1'	C	A	10	-13.193	-42.621	102.138	1.00	0.00	H
ATOM	304	H3'	C	A	10	-16.399	-40.467	102.875	1.00	0.00	H
ATOM	305	H4'	C	A	10	-15.621	-42.098	104.808	1.00	0.00	H
ATOM	306	H41	C	A	10	-15.420	-47.279	97.946	1.00	0.00	H
ATOM	307	H42	C	A	10	-13.702	-47.623	98.280	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-15.873	-41.822	100.965	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-14.402	-40.866	101.097	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-17.067	-44.028	103.846	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-17.817	-42.478	104.282	1.00	0.00	H
ATOM	312	C1'	T	A	11	-9.745	-41.351	100.611	1.00	0.00	C
ATOM	313	N1	T	A	11	-10.647	-42.019	99.635	1.00	0.00	N
ATOM	314	C2	T	A	11	-10.131	-43.085	98.928	1.00	0.00	C
ATOM	315	O2	T	A	11	-8.989	-43.486	99.076	1.00	0.00	O
ATOM	316	N3	T	A	11	-11.003	-43.677	98.032	1.00	0.00	N
ATOM	317	C4	T	A	11	-12.308	-43.302	97.787	1.00	0.00	C
ATOM	318	O4	T	A	11	-12.994	-43.908	96.955	1.00	0.00	O
ATOM	319	C5	T	A	11	-12.758	-42.177	98.573	1.00	0.00	C
ATOM	320	C6	T	A	11	-11.935	-41.578	99.456	1.00	0.00	C
ATOM	321	C7	T	A	11	-14.173	-41.737	98.341	1.00	0.00	C
ATOM	322	C2'	T	A	11	-9.914	-39.838	100.669	1.00	0.00	C

ATOM	323	C3'	T A	11	-9.687	-39.549	102.145	1.00	0.00	C
ATOM	324	O3'	T A	11	-8.288	-39.433	102.391	1.00	0.00	O
ATOM	325	C4'	T A	11	-10.294	-40.773	102.827	1.00	0.00	C
ATOM	326	O4'	T A	11	-10.037	-41.871	101.894	1.00	0.00	O
ATOM	327	C5'	T A	11	-11.777	-40.718	103.112	1.00	0.00	C
ATOM	328	O5'	T A	11	-12.457	-40.025	102.035	1.00	0.00	O
ATOM	329	O1P	T A	11	-13.323	-37.937	103.141	1.00	0.00	O
ATOM	330	O2P	T A	11	-14.509	-38.883	101.142	1.00	0.00	O
ATOM	331	P	T A	11	-13.732	-39.134	102.381	1.00	0.00	P
ATOM	332	H3	T A	11	-10.644	-44.478	97.496	1.00	0.00	H
ATOM	333	H6	T A	11	-12.298	-40.730	100.039	1.00	0.00	H
ATOM	334	H1'	T A	11	-8.718	-41.620	100.367	1.00	0.00	H
ATOM	335	H3'	T A	11	-10.186	-38.634	102.461	1.00	0.00	H
ATOM	336	H4'	T A	11	-9.776	-40.894	103.780	1.00	0.00	H
ATOM	337	H71	T A	11	-14.175	-40.738	97.904	1.00	0.00	H
ATOM	338	H72	T A	11	-14.662	-42.433	97.659	1.00	0.00	H
ATOM	339	H73	T A	11	-14.710	-41.719	99.289	1.00	0.00	H
ATOM	340	H2'1	T A	11	-10.905	-39.521	100.351	1.00	0.00	H
ATOM	341	H2'2	T A	11	-9.186	-39.316	100.045	1.00	0.00	H
ATOM	342	H5'1	T A	11	-12.163	-41.733	103.199	1.00	0.00	H
ATOM	343	H5'2	T A	11	-11.941	-40.190	104.051	1.00	0.00	H
ATOM	344	C1'	A A	12	-5.667	-41.562	97.792	1.00	0.00	C
ATOM	345	N1	A A	12	-8.832	-43.673	94.348	1.00	0.00	N
ATOM	346	C2	A A	12	-7.592	-43.966	94.726	1.00	0.00	C
ATOM	347	N3	A A	12	-6.832	-43.380	95.628	1.00	0.00	N
ATOM	348	C4	A A	12	-7.485	-42.345	96.186	1.00	0.00	C
ATOM	349	C5	A A	12	-8.752	-41.914	95.909	1.00	0.00	C
ATOM	350	C6	A A	12	-9.458	-42.635	94.923	1.00	0.00	C
ATOM	351	N6	A A	12	-10.712	-42.328	94.548	1.00	0.00	N
ATOM	352	N7	A A	12	-9.087	-40.819	96.684	1.00	0.00	N
ATOM	353	C8	A A	12	-8.025	-40.608	97.404	1.00	0.00	C
ATOM	354	N9	A A	12	-7.011	-41.498	97.157	1.00	0.00	N
ATOM	355	C2'	A A	12	-5.060	-40.195	98.079	1.00	0.00	C
ATOM	356	C3'	A A	12	-4.319	-40.445	99.384	1.00	0.00	C
ATOM	357	O3'	A A	12	-3.034	-40.991	99.094	1.00	0.00	O
ATOM	358	C4'	A A	12	-5.223	-41.447	100.102	1.00	0.00	C
ATOM	359	O4'	A A	12	-5.803	-42.247	99.022	1.00	0.00	O
ATOM	360	C5'	A A	12	-6.344	-40.864	100.928	1.00	0.00	C
ATOM	361	O5'	A A	12	-6.877	-39.685	100.273	1.00	0.00	O
ATOM	362	O1P	A A	12	-6.273	-37.820	101.853	1.00	0.00	O
ATOM	363	O2P	A A	12	-8.274	-37.599	100.355	1.00	0.00	O
ATOM	364	P	A A	12	-7.406	-38.480	101.173	1.00	0.00	P
ATOM	365	H2	A A	12	-7.139	-44.817	94.219	1.00	0.00	H
ATOM	366	H8	A A	12	-7.946	-39.802	98.134	1.00	0.00	H
ATOM	367	H1'	A A	12	-5.014	-42.152	97.149	1.00	0.00	H
ATOM	368	H3'	A A	12	-4.200	-39.534	99.968	1.00	0.00	H
ATOM	369	H4'	A A	12	-4.584	-42.027	100.768	1.00	0.00	H
ATOM	370	H61	A A	12	-11.185	-42.888	93.826	1.00	0.00	H
ATOM	371	H62	A A	12	-11.199	-41.531	94.984	1.00	0.00	H
ATOM	372	H2'1	A A	12	-5.817	-39.422	98.196	1.00	0.00	H
ATOM	373	H2'2	A A	12	-4.380	-39.872	97.292	1.00	0.00	H
ATOM	374	H5'1	A A	12	-7.131	-41.611	101.038	1.00	0.00	H
ATOM	375	H5'2	A A	12	-5.962	-40.598	101.913	1.00	0.00	H
ATOM	376	C1'	G A	13	-3.189	-42.667	93.634	1.00	0.00	C

ATOM	377	N1	G A	13	-7.772	-42.222	91.437	1.00	0.00	N
ATOM	378	C2	G A	13	-6.779	-43.164	91.236	1.00	0.00	C
ATOM	379	N2	G A	13	-7.039	-44.113	90.325	1.00	0.00	N
ATOM	380	N3	G A	13	-5.618	-43.159	91.889	1.00	0.00	N
ATOM	381	C4	G A	13	-5.522	-42.126	92.765	1.00	0.00	C
ATOM	382	C5	G A	13	-6.457	-41.139	93.029	1.00	0.00	C
ATOM	383	C6	G A	13	-7.692	-41.145	92.339	1.00	0.00	C
ATOM	384	O6	G A	13	-8.638	-40.362	92.435	1.00	0.00	O
ATOM	385	N7	G A	13	-5.971	-40.259	93.998	1.00	0.00	N
ATOM	386	C8	G A	13	-4.785	-40.730	94.286	1.00	0.00	C
ATOM	387	N9	G A	13	-4.441	-41.862	93.577	1.00	0.00	N
ATOM	388	C2'	G A	13	-1.930	-41.831	93.817	1.00	0.00	C
ATOM	389	C3'	G A	13	-1.078	-42.727	94.699	1.00	0.00	C
ATOM	390	O3'	G A	13	-0.376	-43.660	93.879	1.00	0.00	O
ATOM	391	C4'	G A	13	-2.113	-43.409	95.592	1.00	0.00	C
ATOM	392	O4'	G A	13	-3.292	-43.547	94.736	1.00	0.00	O
ATOM	393	C5'	G A	13	-2.511	-42.666	96.845	1.00	0.00	C
ATOM	394	O5'	G A	13	-2.545	-41.241	96.581	1.00	0.00	O
ATOM	395	O1P	G A	13	-0.678	-40.338	98.006	1.00	0.00	O
ATOM	396	O2P	G A	13	-2.632	-38.876	97.427	1.00	0.00	O
ATOM	397	P	G A	13	-2.125	-40.234	97.745	1.00	0.00	P
ATOM	398	H1	G A	13	-8.638	-42.319	90.885	1.00	0.00	H
ATOM	399	H8	G A	13	-4.125	-40.269	95.021	1.00	0.00	H
ATOM	400	H1'	G A	13	-3.130	-43.269	92.727	1.00	0.00	H
ATOM	401	H21	G A	13	-7.942	-44.110	89.827	1.00	0.00	H
ATOM	402	H3'	G A	13	-0.361	-42.157	95.291	1.00	0.00	H
ATOM	403	H22	G A	13	-6.340	-44.839	90.128	1.00	0.00	H
ATOM	404	H4'	G A	13	-1.691	-44.367	95.892	1.00	0.00	H
ATOM	405	H2'1	G A	13	-2.135	-40.876	94.302	1.00	0.00	H
ATOM	406	H2'2	G A	13	-1.434	-41.616	92.869	1.00	0.00	H
ATOM	407	H5'1	G A	13	-3.495	-43.005	97.166	1.00	0.00	H
ATOM	408	H5'2	G A	13	-1.786	-42.878	97.632	1.00	0.00	H
ATOM	409	C1'	G A	14	-2.804	-43.510	88.769	1.00	0.00	C
ATOM	410	N1	G A	14	-7.001	-40.622	88.509	1.00	0.00	N
ATOM	411	C2	G A	14	-6.689	-41.795	87.847	1.00	0.00	C
ATOM	412	N2	G A	14	-7.616	-42.260	87.001	1.00	0.00	N
ATOM	413	N3	G A	14	-5.541	-42.453	88.015	1.00	0.00	N
ATOM	414	C4	G A	14	-4.718	-41.835	88.901	1.00	0.00	C
ATOM	415	C5	G A	14	-4.944	-40.663	89.605	1.00	0.00	C
ATOM	416	C6	G A	14	-6.160	-39.967	89.430	1.00	0.00	C
ATOM	417	O6	G A	14	-6.542	-38.923	89.959	1.00	0.00	O
ATOM	418	N7	G A	14	-3.843	-40.368	90.413	1.00	0.00	N
ATOM	419	C8	G A	14	-3.008	-41.348	90.183	1.00	0.00	C
ATOM	420	N9	G A	14	-3.468	-42.278	89.274	1.00	0.00	N
ATOM	421	C2'	G A	14	-1.303	-43.356	88.561	1.00	0.00	C
ATOM	422	C3'	G A	14	-0.786	-44.730	88.954	1.00	0.00	C
ATOM	423	O3'	G A	14	-0.882	-45.607	87.833	1.00	0.00	O
ATOM	424	C4'	G A	14	-1.727	-45.137	90.086	1.00	0.00	C
ATOM	425	O4'	G A	14	-3.010	-44.533	89.724	1.00	0.00	O
ATOM	426	C5'	G A	14	-1.349	-44.670	91.473	1.00	0.00	C
ATOM	427	O5'	G A	14	-0.760	-43.348	91.401	1.00	0.00	O
ATOM	428	O1P	G A	14	1.622	-43.730	92.117	1.00	0.00	O
ATOM	429	O2P	G A	14	0.547	-41.492	92.479	1.00	0.00	O
ATOM	430	P	G A	14	0.398	-42.967	92.429	1.00	0.00	P

ATOM	431	H1	G A	14	-7.919	-40.195	88.313	1.00	0.00	H
ATOM	432	H8	G A	14	-2.033	-41.421	90.665	1.00	0.00	H
ATOM	433	H1'	G A	14	-3.298	-43.809	87.844	1.00	0.00	H
ATOM	434	H21	G A	14	-8.502	-41.749	86.879	1.00	0.00	H
ATOM	435	H3'	G A	14	0.249	-44.695	89.295	1.00	0.00	H
ATOM	436	H22	G A	14	-7.444	-43.128	86.475	1.00	0.00	H
ATOM	437	H4'	G A	14	-1.758	-46.225	90.098	1.00	0.00	H
ATOM	438	H2'1	G A	14	-0.876	-42.576	89.191	1.00	0.00	H
ATOM	439	H2'2	G A	14	-1.052	-43.118	87.527	1.00	0.00	H
ATOM	440	H5'1	G A	14	-2.242	-44.645	92.098	1.00	0.00	H
ATOM	441	H5'2	G A	14	-0.631	-45.370	91.902	1.00	0.00	H
ATOM	442	C1'	A A	15	-4.228	-43.087	84.047	1.00	0.00	C
ATOM	443	N1	A A	15	-6.418	-38.748	85.695	1.00	0.00	N
ATOM	444	C2	A A	15	-6.834	-39.712	84.877	1.00	0.00	C
ATOM	445	N3	A A	15	-6.218	-40.810	84.496	1.00	0.00	N
ATOM	446	C4	A A	15	-4.998	-40.878	85.060	1.00	0.00	C
ATOM	447	C5	A A	15	-4.424	-39.978	85.913	1.00	0.00	C
ATOM	448	C6	A A	15	-5.197	-38.845	86.242	1.00	0.00	C
ATOM	449	N6	A A	15	-4.764	-37.878	87.069	1.00	0.00	N
ATOM	450	N7	A A	15	-3.156	-40.384	86.289	1.00	0.00	N
ATOM	451	C8	A A	15	-2.989	-41.509	85.657	1.00	0.00	C
ATOM	452	N9	A A	15	-4.067	-41.874	84.891	1.00	0.00	N
ATOM	453	C2'	A A	15	-2.953	-43.507	83.326	1.00	0.00	C
ATOM	454	C3'	A A	15	-3.061	-45.024	83.349	1.00	0.00	C
ATOM	455	O3'	A A	15	-3.860	-45.451	82.250	1.00	0.00	O
ATOM	456	C4'	A A	15	-3.733	-45.297	84.693	1.00	0.00	C
ATOM	457	O4'	A A	15	-4.623	-44.151	84.891	1.00	0.00	O
ATOM	458	C5'	A A	15	-2.820	-45.411	85.890	1.00	0.00	C
ATOM	459	O5'	A A	15	-1.721	-44.473	85.760	1.00	0.00	O
ATOM	460	O1P	A A	15	0.291	-45.965	85.514	1.00	0.00	O
ATOM	461	O2P	A A	15	0.544	-43.667	86.489	1.00	0.00	O
ATOM	462	P	A A	15	-0.290	-44.882	86.333	1.00	0.00	P
ATOM	463	H2	A A	15	-7.834	-39.570	84.464	1.00	0.00	H
ATOM	464	H8	A A	15	-2.079	-42.105	85.727	1.00	0.00	H
ATOM	465	H1'	A A	15	-5.035	-42.904	83.338	1.00	0.00	H
ATOM	466	H3'	A A	15	-2.084	-45.505	83.293	1.00	0.00	H
ATOM	467	H4'	A A	15	-4.270	-46.240	84.592	1.00	0.00	H
ATOM	468	H61	A A	15	-5.370	-37.072	87.279	1.00	0.00	H
ATOM	469	H62	A A	15	-3.827	-37.944	87.492	1.00	0.00	H
ATOM	470	H2'1	A A	15	-2.056	-43.165	83.842	1.00	0.00	H
ATOM	471	H2'2	A A	15	-2.911	-43.128	82.305	1.00	0.00	H
ATOM	472	H5'1	A A	15	-3.386	-45.190	86.795	1.00	0.00	H
ATOM	473	H5'2	A A	15	-2.432	-46.426	85.948	1.00	0.00	H
ATOM	474	C1'	C A	16	-6.535	-40.795	80.295	1.00	0.00	C
ATOM	475	N1	C A	16	-5.565	-40.055	81.146	1.00	0.00	N
ATOM	476	C2	C A	16	-5.972	-38.842	81.696	1.00	0.00	C
ATOM	477	O2	C A	16	-7.114	-38.432	81.456	1.00	0.00	O
ATOM	478	N3	C A	16	-5.102	-38.152	82.474	1.00	0.00	N
ATOM	479	C4	C A	16	-3.872	-38.623	82.714	1.00	0.00	C
ATOM	480	N4	C A	16	-3.064	-37.909	83.486	1.00	0.00	N
ATOM	481	C5	C A	16	-3.424	-39.866	82.159	1.00	0.00	C
ATOM	482	C6	C A	16	-4.317	-40.547	81.381	1.00	0.00	C
ATOM	483	C2'	C A	16	-5.900	-41.488	79.097	1.00	0.00	C
ATOM	484	C3'	C A	16	-6.729	-42.758	78.988	1.00	0.00	C

ATOM	485	O3'	C	A	16	-7.910	-42.483	78.238	1.00	0.00	O
ATOM	486	C4'	C	A	16	-7.034	-43.091	80.447	1.00	0.00	C
ATOM	487	O4'	C	A	16	-7.145	-41.787	81.100	1.00	0.00	O
ATOM	488	C5'	C	A	16	-5.996	-43.911	81.179	1.00	0.00	C
ATOM	489	O5'	C	A	16	-4.669	-43.526	80.742	1.00	0.00	O
ATOM	490	O1P	C	A	16	-3.818	-45.586	79.574	1.00	0.00	O
ATOM	491	O2P	C	A	16	-2.201	-43.984	80.630	1.00	0.00	O
ATOM	492	P	C	A	16	-3.532	-44.640	80.670	1.00	0.00	P
ATOM	493	H5	C	A	16	-2.419	-40.249	82.347	1.00	0.00	H
ATOM	494	H6	C	A	16	-4.026	-41.502	80.944	1.00	0.00	H
ATOM	495	H1'	C	A	16	-7.311	-40.098	79.977	1.00	0.00	H
ATOM	496	H3'	C	A	16	-6.175	-43.566	78.507	1.00	0.00	H
ATOM	497	H4'	C	A	16	-7.967	-43.654	80.454	1.00	0.00	H
ATOM	498	H41	C	A	16	-2.112	-38.248	83.689	1.00	0.00	H
ATOM	499	H42	C	A	16	-3.386	-37.014	83.882	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-4.846	-41.716	79.261	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-5.968	-40.889	78.188	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-6.098	-43.740	82.250	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-6.161	-44.967	80.967	1.00	0.00	H
ATOM	504	C1'	G	A	17	-8.378	-36.844	77.947	1.00	0.00	C
ATOM	505	N1	G	A	17	-4.936	-34.297	80.722	1.00	0.00	N
ATOM	506	C2	G	A	17	-6.254	-33.985	80.436	1.00	0.00	C
ATOM	507	N2	G	A	17	-6.714	-32.841	80.956	1.00	0.00	N
ATOM	508	N3	G	A	17	-7.047	-34.752	79.690	1.00	0.00	N
ATOM	509	C4	G	A	17	-6.413	-35.867	79.240	1.00	0.00	C
ATOM	510	C5	G	A	17	-5.105	-36.259	79.470	1.00	0.00	C
ATOM	511	C6	G	A	17	-4.262	-35.447	80.264	1.00	0.00	C
ATOM	512	O6	G	A	17	-3.084	-35.622	80.578	1.00	0.00	O
ATOM	513	N7	G	A	17	-4.842	-37.470	78.827	1.00	0.00	N
ATOM	514	C8	G	A	17	-5.975	-37.769	78.244	1.00	0.00	C
ATOM	515	N9	G	A	17	-6.977	-36.843	78.448	1.00	0.00	N
ATOM	516	C2'	G	A	17	-8.524	-37.383	76.531	1.00	0.00	C
ATOM	517	C3'	G	A	17	-9.859	-38.105	76.600	1.00	0.00	C
ATOM	518	O3'	G	A	17	-10.911	-37.167	76.384	1.00	0.00	O
ATOM	519	C4'	G	A	17	-9.868	-38.665	78.022	1.00	0.00	C
ATOM	520	O4'	G	A	17	-9.143	-37.667	78.807	1.00	0.00	O
ATOM	521	C5'	G	A	17	-9.207	-40.009	78.217	1.00	0.00	C
ATOM	522	O5'	G	A	17	-8.042	-40.112	77.362	1.00	0.00	O
ATOM	523	O1P	G	A	17	-8.670	-41.933	75.742	1.00	0.00	O
ATOM	524	O2P	G	A	17	-6.256	-41.512	76.284	1.00	0.00	O
ATOM	525	P	G	A	17	-7.665	-41.534	76.747	1.00	0.00	P
ATOM	526	H1	G	A	17	-4.409	-33.639	81.314	1.00	0.00	H
ATOM	527	H8	G	A	17	-6.115	-38.672	77.648	1.00	0.00	H
ATOM	528	H1'	G	A	17	-8.767	-35.829	78.020	1.00	0.00	H
ATOM	529	H21	G	A	17	-6.096	-32.253	81.534	1.00	0.00	H
ATOM	530	H3'	G	A	17	-9.930	-38.904	75.863	1.00	0.00	H
ATOM	531	H22	G	A	17	-7.686	-32.549	80.778	1.00	0.00	H
ATOM	532	H4'	G	A	17	-10.912	-38.761	78.317	1.00	0.00	H
ATOM	533	H2'1	G	A	17	-7.716	-38.066	76.264	1.00	0.00	H
ATOM	534	H2'2	G	A	17	-8.540	-36.587	75.785	1.00	0.00	H
ATOM	535	H5'1	G	A	17	-8.908	-40.111	79.261	1.00	0.00	H
ATOM	536	H5'2	G	A	17	-9.918	-40.797	77.970	1.00	0.00	H
ATOM	537	C1'	G	A	18	-8.645	-32.007	76.917	1.00	0.00	C
ATOM	538	N1	G	A	18	-3.787	-31.986	78.471	1.00	0.00	N

ATOM	539	C2	G A	18	-4.807	-31.090	78.736	1.00	0.00	C
ATOM	540	N2	G A	18	-4.491	-30.047	79.516	1.00	0.00	N
ATOM	541	N3	G A	18	-6.043	-31.223	78.260	1.00	0.00	N
ATOM	542	C4	G A	18	-6.183	-32.328	77.484	1.00	0.00	C
ATOM	543	C5	G A	18	-5.223	-33.274	77.162	1.00	0.00	C
ATOM	544	C6	G A	18	-3.910	-33.136	77.670	1.00	0.00	C
ATOM	545	O6	G A	18	-2.931	-33.864	77.498	1.00	0.00	O
ATOM	546	N7	G A	18	-5.770	-34.257	76.336	1.00	0.00	N
ATOM	547	C8	G A	18	-7.017	-33.888	76.189	1.00	0.00	C
ATOM	548	N9	G A	18	-7.343	-32.725	76.855	1.00	0.00	N
ATOM	549	C2'	G A	18	-9.420	-32.026	75.607	1.00	0.00	C
ATOM	550	C3'	G A	18	-10.858	-32.118	76.089	1.00	0.00	C
ATOM	551	O3'	G A	18	-11.336	-30.809	76.388	1.00	0.00	O
ATOM	552	C4'	G A	18	-10.743	-32.989	77.340	1.00	0.00	C
ATOM	553	O4'	G A	18	-9.439	-32.639	77.903	1.00	0.00	O
ATOM	554	C5'	G A	18	-10.791	-34.483	77.122	1.00	0.00	C
ATOM	555	O5'	G A	18	-10.112	-34.822	75.887	1.00	0.00	O
ATOM	556	O1P	G A	18	-11.964	-35.698	74.425	1.00	0.00	O
ATOM	557	O2P	G A	18	-9.609	-36.482	74.069	1.00	0.00	O
ATOM	558	P	G A	18	-10.660	-36.044	75.020	1.00	0.00	P
ATOM	559	H1	G A	18	-2.865	-31.795	78.894	1.00	0.00	H
ATOM	560	H8	G A	18	-7.736	-34.448	75.591	1.00	0.00	H
ATOM	561	H1'	G A	18	-8.456	-30.984	77.245	1.00	0.00	H
ATOM	562	H21	G A	18	-3.531	-29.954	79.883	1.00	0.00	H
ATOM	563	H3'	G A	18	-11.511	-32.579	75.347	1.00	0.00	H
ATOM	564	H22	G A	18	-5.204	-29.344	79.747	1.00	0.00	H
ATOM	565	H4'	G A	18	-11.574	-32.720	77.991	1.00	0.00	H
ATOM	566	H2'1	G A	18	-9.156	-32.880	74.983	1.00	0.00	H
ATOM	567	H2'2	G A	18	-9.256	-31.125	75.016	1.00	0.00	H
ATOM	568	H5'1	G A	18	-10.303	-34.982	77.959	1.00	0.00	H
ATOM	569	H5'2	G A	18	-11.830	-34.804	77.071	1.00	0.00	H
ATOM	570	C1'	T A	19	-6.833	-27.411	76.609	1.00	0.00	C
ATOM	571	N1	T A	19	-6.094	-28.547	75.998	1.00	0.00	N
ATOM	572	C2	T A	19	-4.759	-28.678	76.321	1.00	0.00	C
ATOM	573	O2	T A	19	-4.184	-27.908	77.073	1.00	0.00	O
ATOM	574	N3	T A	19	-4.111	-29.746	75.732	1.00	0.00	N
ATOM	575	C4	T A	19	-4.664	-30.669	74.870	1.00	0.00	C
ATOM	576	O4	T A	19	-3.981	-31.587	74.400	1.00	0.00	O
ATOM	577	C5	T A	19	-6.064	-30.452	74.590	1.00	0.00	C
ATOM	578	C6	T A	19	-6.728	-29.420	75.148	1.00	0.00	C
ATOM	579	C7	T A	19	-6.708	-31.434	73.658	1.00	0.00	C
ATOM	580	C2'	T A	19	-7.849	-26.765	75.675	1.00	0.00	C
ATOM	581	C3'	T A	19	-8.970	-26.393	76.632	1.00	0.00	C
ATOM	582	O3'	T A	19	-8.674	-25.134	77.232	1.00	0.00	O
ATOM	583	C4'	T A	19	-8.944	-27.535	77.645	1.00	0.00	C
ATOM	584	O4'	T A	19	-7.532	-27.906	77.736	1.00	0.00	O
ATOM	585	C5'	T A	19	-9.746	-28.766	77.292	1.00	0.00	C
ATOM	586	O5'	T A	19	-9.669	-29.006	75.864	1.00	0.00	O
ATOM	587	O1P	T A	19	-12.032	-28.634	75.082	1.00	0.00	O
ATOM	588	O2P	T A	19	-10.518	-30.178	73.810	1.00	0.00	O
ATOM	589	P	T A	19	-10.937	-29.623	75.119	1.00	0.00	P
ATOM	590	H3	T A	19	-3.113	-29.868	75.961	1.00	0.00	H
ATOM	591	H6	T A	19	-7.784	-29.276	74.922	1.00	0.00	H
ATOM	592	H1'	T A	19	-6.105	-26.679	76.960	1.00	0.00	H

ATOM	593	H3'	T A	19	-9.934	-26.336	76.128	1.00	0.00	H
ATOM	594	H4'	T A	19	-9.341	-27.137	78.581	1.00	0.00	H
ATOM	595	H71	T A	19	-7.003	-30.925	72.741	1.00	0.00	H
ATOM	596	H72	T A	19	-6.000	-32.228	73.420	1.00	0.00	H
ATOM	597	H73	T A	19	-7.591	-31.865	74.133	1.00	0.00	H
ATOM	598	H2'1	T A	19	-8.196	-27.453	74.905	1.00	0.00	H
ATOM	599	H2'2	T A	19	-7.447	-25.885	75.172	1.00	0.00	H
ATOM	600	H5'1	T A	19	-9.344	-29.623	77.832	1.00	0.00	H
ATOM	601	H5'2	T A	19	-10.783	-28.612	77.583	1.00	0.00	H
ATOM	602	C01	LNK A	20	-9.194	-21.665	75.983	0.00	0.00	C
ATOM	603	O1	LNK A	20	-9.250	-23.084	75.814	1.00	0.00	O
ATOM	604	S	LNK A	20	-9.872	-18.361	73.869	0.00	0.00	S
ATOM	605	C02	LNK A	20	-9.629	-20.977	74.674	0.00	0.00	C
ATOM	606	C03	LNK A	20	-8.793	-19.702	74.462	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-7.515	-24.669	74.910	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-6.922	-23.079	76.760	1.00	0.00	O
ATOM	609	P	LNK A	20	-7.945	-23.947	76.125	1.00	0.00	P
ATOM	610	H01	LNK A	20	-8.176	-21.367	76.228	0.00	0.00	H
ATOM	611	H02	LNK A	20	-9.865	-21.368	76.789	0.00	0.00	H
ATOM	612	H03	LNK A	20	-8.015	-19.895	73.724	0.00	0.00	H
ATOM	613	H04	LNK A	20	-10.686	-20.715	74.735	0.00	0.00	H
ATOM	614	H05	LNK A	20	-9.472	-21.658	73.837	0.00	0.00	H
ATOM	615	H06	LNK A	20	-8.333	-19.408	75.406	0.00	0.00	H
ATOM	616	AU	LNK A	20	-9.489	-17.825	73.679			
TER										
ATOM	618	C1'	A B	2	3.645	-30.133	77.905	1.00	0.00	C
ATOM	619	N1	A B	2	-1.252	-30.106	76.371	1.00	0.00	N
ATOM	620	C2	A B	2	-0.563	-29.314	77.186	1.00	0.00	C
ATOM	621	N3	A B	2	0.705	-29.376	77.537	1.00	0.00	N
ATOM	622	C4	A B	2	1.302	-30.425	76.942	1.00	0.00	C
ATOM	623	C5	A B	2	0.738	-31.327	76.085	1.00	0.00	C
ATOM	624	C6	A B	2	-0.630	-31.143	75.791	1.00	0.00	C
ATOM	625	N6	A B	2	-1.318	-31.949	74.965	1.00	0.00	N
ATOM	626	N7	A B	2	1.663	-32.269	75.671	1.00	0.00	N
ATOM	627	C8	A B	2	2.756	-31.923	76.284	1.00	0.00	C
ATOM	628	N9	A B	2	2.614	-30.810	77.071	1.00	0.00	N
ATOM	629	C2'	A B	2	4.611	-31.095	78.585	1.00	0.00	C
ATOM	630	C3'	A B	2	5.915	-30.315	78.547	1.00	0.00	C
ATOM	631	O3'	A B	2	5.962	-29.427	79.660	1.00	0.00	O
ATOM	632	C4'	A B	2	5.825	-29.568	77.217	1.00	0.00	C
ATOM	633	O4'	A B	2	4.397	-29.286	77.057	1.00	0.00	O
ATOM	634	C5'	A B	2	6.311	-30.312	75.995	1.00	0.00	C
ATOM	635	O5'	A B	2	5.971	-31.717	76.109	1.00	0.00	O
ATOM	636	H2	A B	2	-1.126	-28.495	77.628	1.00	0.00	H
ATOM	637	H8	A B	2	3.696	-32.466	76.181	1.00	0.00	H
ATOM	638	H1'	A B	2	3.135	-29.509	78.639	1.00	0.00	H
ATOM	639	H3'	A B	2	6.785	-30.971	78.571	1.00	0.00	H
ATOM	640	H4'	A B	2	6.427	-28.666	77.319	1.00	0.00	H
ATOM	641	H61	A B	2	-2.314	-31.769	74.782	1.00	0.00	H
ATOM	642	H62	A B	2	-0.846	-32.750	74.517	1.00	0.00	H
ATOM	643	H2'1	A B	2	4.698	-32.041	78.051	1.00	0.00	H
ATOM	644	H2'2	A B	2	4.314	-31.322	79.610	1.00	0.00	H
ATOM	645	H5'1	A B	2	5.838	-29.889	75.108	1.00	0.00	H
ATOM	646	H5'2	A B	2	7.391	-30.198	75.915	1.00	0.00	H

ATOM	647	C1'	C B	3	0.651	-29.161	81.745	1.00	0.00	C
ATOM	648	N1	C B	3	0.408	-30.347	80.879	1.00	0.00	N
ATOM	649	C2	C B	3	-0.872	-30.524	80.358	1.00	0.00	C
ATOM	650	O2	C B	3	-1.748	-29.693	80.634	1.00	0.00	O
ATOM	651	N3	C B	3	-1.115	-31.597	79.569	1.00	0.00	N
ATOM	652	C4	C B	3	-0.147	-32.479	79.289	1.00	0.00	C
ATOM	653	N4	C B	3	-0.439	-33.510	78.507	1.00	0.00	N
ATOM	654	C5	C B	3	1.179	-32.327	79.814	1.00	0.00	C
ATOM	655	C6	C B	3	1.402	-31.235	80.605	1.00	0.00	C
ATOM	656	C2'	C B	3	1.586	-29.437	82.916	1.00	0.00	C
ATOM	657	C3'	C B	3	2.348	-28.126	83.029	1.00	0.00	C
ATOM	658	O3'	C B	3	1.587	-27.208	83.811	1.00	0.00	O
ATOM	659	C4'	C B	3	2.471	-27.679	81.574	1.00	0.00	C
ATOM	660	O4'	C B	3	1.241	-28.157	80.942	1.00	0.00	O
ATOM	661	C5'	C B	3	3.653	-28.221	80.803	1.00	0.00	C
ATOM	662	O5'	C B	3	3.917	-29.587	81.211	1.00	0.00	O
ATOM	663	O1P	C B	3	6.169	-29.436	82.326	1.00	0.00	O
ATOM	664	O2P	C B	3	5.443	-31.584	81.251	1.00	0.00	O
ATOM	665	P	C B	3	5.426	-30.101	81.236	1.00	0.00	P
ATOM	666	H5	C B	3	1.969	-33.046	79.596	1.00	0.00	H
ATOM	667	H6	C B	3	2.395	-31.073	81.022	1.00	0.00	H
ATOM	668	H1'	C B	3	-0.313	-28.790	82.094	1.00	0.00	H
ATOM	669	H3'	C B	3	3.328	-28.262	83.483	1.00	0.00	H
ATOM	670	H4'	C B	3	2.553	-26.592	81.581	1.00	0.00	H
ATOM	671	H41	C B	3	0.289	-34.202	78.274	1.00	0.00	H
ATOM	672	H42	C B	3	-1.392	-33.619	78.132	1.00	0.00	H
ATOM	673	H2'1	C B	3	2.258	-30.271	82.721	1.00	0.00	H
ATOM	674	H2'2	C B	3	1.042	-29.661	83.835	1.00	0.00	H
ATOM	675	H5'1	C B	3	3.429	-28.193	79.736	1.00	0.00	H
ATOM	676	H5'2	C B	3	4.525	-27.602	81.002	1.00	0.00	H
ATOM	677	C1'	C B	4	-3.649	-29.331	84.195	1.00	0.00	C
ATOM	678	N1	C B	4	-3.037	-30.574	83.656	1.00	0.00	N
ATOM	679	C2	C B	4	-3.830	-31.406	82.868	1.00	0.00	C
ATOM	680	O2	C B	4	-5.005	-31.079	82.650	1.00	0.00	O
ATOM	681	N3	C B	4	-3.293	-32.544	82.368	1.00	0.00	N
ATOM	682	C4	C B	4	-2.017	-32.872	82.620	1.00	0.00	C
ATOM	683	N4	C B	4	-1.540	-33.994	82.103	1.00	0.00	N
ATOM	684	C5	C B	4	-1.178	-32.039	83.431	1.00	0.00	C
ATOM	685	C6	C B	4	-1.741	-30.895	83.921	1.00	0.00	C
ATOM	686	C2'	C B	4	-3.198	-28.987	85.607	1.00	0.00	C
ATOM	687	C3'	C B	4	-3.151	-27.467	85.564	1.00	0.00	C
ATOM	688	O3'	C B	4	-4.455	-26.951	85.822	1.00	0.00	O
ATOM	689	C4'	C B	4	-2.690	-27.182	84.136	1.00	0.00	C
ATOM	690	O4'	C B	4	-3.277	-28.264	83.343	1.00	0.00	O
ATOM	691	C5'	C B	4	-1.197	-27.168	83.902	1.00	0.00	C
ATOM	692	O5'	C B	4	-0.563	-28.179	84.726	1.00	0.00	O
ATOM	693	O1P	C B	4	0.825	-26.832	86.337	1.00	0.00	O
ATOM	694	O2P	C B	4	1.515	-29.169	85.734	1.00	0.00	O
ATOM	695	P	C B	4	0.892	-27.891	85.310	1.00	0.00	P
ATOM	696	H5	C B	4	-0.143	-32.304	83.646	1.00	0.00	H
ATOM	697	H6	C B	4	-1.140	-30.225	84.536	1.00	0.00	H
ATOM	698	H1'	C B	4	-4.734	-29.436	84.146	1.00	0.00	H
ATOM	699	H3'	C B	4	-2.450	-27.059	86.292	1.00	0.00	H
ATOM	700	H4'	C B	4	-3.077	-26.199	83.867	1.00	0.00	H

ATOM	701	H41	C B	4	-0.563	-34.268	82.279	1.00	0.00	H
ATOM	702	H42	C B	4	-2.147	-34.593	81.522	1.00	0.00	H
ATOM	703	H2'1	C B	4	-2.220	-29.406	85.843	1.00	0.00	H
ATOM	704	H2'2	C B	4	-3.898	-29.341	86.364	1.00	0.00	H
ATOM	705	H5'1	C B	4	-0.997	-27.371	82.850	1.00	0.00	H
ATOM	706	H5'2	C B	4	-0.805	-26.185	84.159	1.00	0.00	H
ATOM	707	C1'	G B	5	-8.062	-31.287	85.302	1.00	0.00	C
ATOM	708	N1	G B	5	-5.931	-35.611	83.630	1.00	0.00	N
ATOM	709	C2	G B	5	-7.198	-35.100	83.406	1.00	0.00	C
ATOM	710	N2	G B	5	-8.004	-35.840	82.635	1.00	0.00	N
ATOM	711	N3	G B	5	-7.625	-33.942	83.910	1.00	0.00	N
ATOM	712	C4	G B	5	-6.679	-33.330	84.670	1.00	0.00	C
ATOM	713	C5	G B	5	-5.396	-33.766	84.952	1.00	0.00	C
ATOM	714	C6	G B	5	-4.940	-34.992	84.415	1.00	0.00	C
ATOM	715	O6	G B	5	-3.846	-35.539	84.551	1.00	0.00	O
ATOM	716	N7	G B	5	-4.744	-32.845	85.775	1.00	0.00	N
ATOM	717	C8	G B	5	-5.631	-31.901	85.960	1.00	0.00	C
ATOM	718	N9	G B	5	-6.833	-32.126	85.321	1.00	0.00	N
ATOM	719	C2'	G B	5	-8.360	-30.606	86.630	1.00	0.00	C
ATOM	720	C3'	G B	5	-8.940	-29.274	86.182	1.00	0.00	C
ATOM	721	O3'	G B	5	-10.331	-29.434	85.917	1.00	0.00	O
ATOM	722	C4'	G B	5	-8.142	-28.965	84.916	1.00	0.00	C
ATOM	723	O4'	G B	5	-7.882	-30.279	84.327	1.00	0.00	O
ATOM	724	C5'	G B	5	-6.825	-28.252	85.109	1.00	0.00	C
ATOM	725	O5'	G B	5	-6.186	-28.722	86.322	1.00	0.00	O
ATOM	726	O1P	G B	5	-6.201	-26.696	87.814	1.00	0.00	O
ATOM	727	O2P	G B	5	-4.430	-28.450	88.098	1.00	0.00	O
ATOM	728	P	G B	5	-5.319	-27.696	87.182	1.00	0.00	P
ATOM	729	H1	G B	5	-5.697	-36.512	83.188	1.00	0.00	H
ATOM	730	H8	G B	5	-5.439	-31.016	86.565	1.00	0.00	H
ATOM	731	H1'	G B	5	-8.898	-31.911	84.988	1.00	0.00	H
ATOM	732	H21	G B	5	-7.666	-36.732	82.247	1.00	0.00	H
ATOM	733	H3'	G B	5	-8.802	-28.494	86.933	1.00	0.00	H
ATOM	734	H22	G B	5	-8.961	-35.518	82.433	1.00	0.00	H
ATOM	735	H4'	G B	5	-8.773	-28.336	84.290	1.00	0.00	H
ATOM	736	H2'1	G B	5	-7.464	-30.466	87.234	1.00	0.00	H
ATOM	737	H2'2	G B	5	-9.075	-31.167	87.233	1.00	0.00	H
ATOM	738	H5'1	G B	5	-6.182	-28.451	84.252	1.00	0.00	H
ATOM	739	H5'2	G B	5	-7.006	-27.179	85.181	1.00	0.00	H
ATOM	740	C1'	T B	6	-11.343	-34.979	85.635	1.00	0.00	C
ATOM	741	N1	T B	6	-9.980	-35.134	86.209	1.00	0.00	N
ATOM	742	C2	T B	6	-9.270	-36.263	85.851	1.00	0.00	C
ATOM	743	O2	T B	6	-9.717	-37.113	85.100	1.00	0.00	O
ATOM	744	N3	T B	6	-8.008	-36.367	86.407	1.00	0.00	N
ATOM	745	C4	T B	6	-7.412	-35.470	87.267	1.00	0.00	C
ATOM	746	O4	T B	6	-6.274	-35.672	87.704	1.00	0.00	O
ATOM	747	C5	T B	6	-8.230	-34.322	87.581	1.00	0.00	C
ATOM	748	C6	T B	6	-9.464	-34.187	87.057	1.00	0.00	C
ATOM	749	C7	T B	6	-7.618	-33.316	88.512	1.00	0.00	C
ATOM	750	C2'	T B	6	-12.351	-34.376	86.605	1.00	0.00	C
ATOM	751	C3'	T B	6	-13.214	-33.531	85.679	1.00	0.00	C
ATOM	752	O3'	T B	6	-14.222	-34.353	85.096	1.00	0.00	O
ATOM	753	C4'	T B	6	-12.210	-33.025	84.646	1.00	0.00	C
ATOM	754	O4'	T B	6	-11.245	-34.117	84.518	1.00	0.00	O

ATOM	755	C5'	T B	6	-11.463	-31.760	84.998	1.00	0.00	C
ATOM	756	O5'	T B	6	-11.177	-31.739	86.419	1.00	0.00	O
ATOM	757	O1P	T B	6	-12.552	-29.808	87.261	1.00	0.00	O
ATOM	758	O2P	T B	6	-10.458	-30.480	88.471	1.00	0.00	O
ATOM	759	P	T B	6	-11.176	-30.338	87.182	1.00	0.00	P
ATOM	760	H3	T B	6	-7.457	-37.200	86.152	1.00	0.00	H
ATOM	761	H6	T B	6	-10.062	-33.311	87.311	1.00	0.00	H
ATOM	762	H1'	T B	6	-11.678	-35.953	85.279	1.00	0.00	H
ATOM	763	H3'	T B	6	-13.686	-32.702	86.207	1.00	0.00	H
ATOM	764	H4'	T B	6	-12.767	-32.838	83.728	1.00	0.00	H
ATOM	765	H71	T B	6	-8.183	-33.294	89.444	1.00	0.00	H
ATOM	766	H72	T B	6	-6.585	-33.593	88.719	1.00	0.00	H
ATOM	767	H73	T B	6	-7.645	-32.329	88.049	1.00	0.00	H
ATOM	768	H2'1	T B	6	-11.875	-33.766	87.370	1.00	0.00	H
ATOM	769	H2'2	T B	6	-12.944	-35.138	87.112	1.00	0.00	H
ATOM	770	H5'1	T B	6	-10.531	-31.725	84.433	1.00	0.00	H
ATOM	771	H5'2	T B	6	-12.075	-30.899	84.733	1.00	0.00	H
ATOM	772	C1'	C B	7	-12.620	-39.760	86.043	1.00	0.00	C
ATOM	773	N1	C B	7	-11.651	-39.151	86.998	1.00	0.00	N
ATOM	774	C2	C B	7	-10.438	-39.806	87.203	1.00	0.00	C
ATOM	775	O2	C B	7	-10.215	-40.857	86.586	1.00	0.00	O
ATOM	776	N3	C B	7	-9.543	-39.270	88.067	1.00	0.00	N
ATOM	777	C4	C B	7	-9.814	-38.131	88.719	1.00	0.00	C
ATOM	778	N4	C B	7	-8.901	-37.649	89.550	1.00	0.00	N
ATOM	779	C5	C B	7	-11.055	-37.439	88.533	1.00	0.00	C
ATOM	780	C6	C B	7	-11.940	-37.996	87.653	1.00	0.00	C
ATOM	781	C2'	C B	7	-14.072	-39.634	86.480	1.00	0.00	C
ATOM	782	C3'	C B	7	-14.785	-39.438	85.151	1.00	0.00	C
ATOM	783	O3'	C B	7	-15.040	-40.711	84.564	1.00	0.00	O
ATOM	784	C4'	C B	7	-13.781	-38.620	84.343	1.00	0.00	C
ATOM	785	O4'	C B	7	-12.476	-39.094	84.803	1.00	0.00	O
ATOM	786	C5'	C B	7	-13.839	-37.119	84.521	1.00	0.00	C
ATOM	787	O5'	C B	7	-14.155	-36.802	85.898	1.00	0.00	O
ATOM	788	O1P	C B	7	-16.425	-35.726	85.742	1.00	0.00	O
ATOM	789	O2P	C B	7	-14.883	-35.131	87.629	1.00	0.00	O
ATOM	790	P	C B	7	-15.041	-35.510	86.205	1.00	0.00	P
ATOM	791	H5	C B	7	-11.283	-36.517	89.067	1.00	0.00	H
ATOM	792	H6	C B	7	-12.895	-37.502	87.472	1.00	0.00	H
ATOM	793	H1'	C B	7	-12.344	-40.805	85.898	1.00	0.00	H
ATOM	794	H3'	C B	7	-15.727	-38.899	85.269	1.00	0.00	H
ATOM	795	H4'	C B	7	-13.967	-38.837	83.292	1.00	0.00	H
ATOM	796	H41	C B	7	-9.083	-36.774	90.062	1.00	0.00	H
ATOM	797	H42	C B	7	-8.009	-38.150	89.684	1.00	0.00	H
ATOM	798	H2'1	C B	7	-14.233	-38.787	87.145	1.00	0.00	H
ATOM	799	H2'2	C B	7	-14.429	-40.526	86.994	1.00	0.00	H
ATOM	800	H5'1	C B	7	-12.873	-36.690	84.256	1.00	0.00	H
ATOM	801	H5'2	C B	7	-14.604	-36.711	83.864	1.00	0.00	H
ATOM	802	C1'	C B	8	-11.869	-44.472	87.371	1.00	0.00	C
ATOM	803	N1	C B	8	-11.676	-43.370	88.352	1.00	0.00	N
ATOM	804	C2	C B	8	-10.473	-43.326	89.056	1.00	0.00	C
ATOM	805	O2	C B	8	-9.623	-44.199	88.838	1.00	0.00	O
ATOM	806	N3	C B	8	-10.277	-42.330	89.953	1.00	0.00	N
ATOM	807	C4	C B	8	-11.217	-41.400	90.167	1.00	0.00	C
ATOM	808	N4	C B	8	-10.970	-40.447	91.054	1.00	0.00	N

ATOM	809	C5	C B	8	-12.466	-41.421	89.462	1.00	0.00	C
ATOM	810	C6	C B	8	-12.639	-42.433	88.557	1.00	0.00	C
ATOM	811	C2'	C B	8	-13.291	-45.018	87.333	1.00	0.00	C
ATOM	812	C3'	C B	8	-13.468	-45.342	85.858	1.00	0.00	C
ATOM	813	O3'	C B	8	-12.931	-46.636	85.596	1.00	0.00	O
ATOM	814	C4'	C B	8	-12.671	-44.236	85.170	1.00	0.00	C
ATOM	815	O4'	C B	8	-11.563	-43.964	86.086	1.00	0.00	O
ATOM	816	C5'	C B	8	-13.407	-42.944	84.905	1.00	0.00	C
ATOM	817	O5'	C B	8	-14.317	-42.665	86.000	1.00	0.00	O
ATOM	818	O1P	C B	8	-16.588	-42.849	84.930	1.00	0.00	O
ATOM	819	O2P	C B	8	-16.261	-41.375	86.933	1.00	0.00	O
ATOM	820	P	C B	8	-15.700	-41.940	85.681	1.00	0.00	P
ATOM	821	H5	C B	8	-13.237	-40.672	89.637	1.00	0.00	H
ATOM	822	H6	C B	8	-13.570	-42.486	87.991	1.00	0.00	H
ATOM	823	H1'	C B	8	-11.154	-45.262	87.599	1.00	0.00	H
ATOM	824	H3'	C B	8	-14.514	-45.318	85.558	1.00	0.00	H
ATOM	825	H4'	C B	8	-12.343	-44.632	84.209	1.00	0.00	H
ATOM	826	H41	C B	8	-11.676	-39.718	91.235	1.00	0.00	H
ATOM	827	H42	C B	8	-10.074	-40.435	91.561	1.00	0.00	H
ATOM	828	H2'1	C B	8	-14.023	-44.286	87.669	1.00	0.00	H
ATOM	829	H2'2	C B	8	-13.407	-45.908	87.953	1.00	0.00	H
ATOM	830	H5'1	C B	8	-12.685	-42.131	84.812	1.00	0.00	H
ATOM	831	H5'2	C B	8	-13.967	-43.034	83.976	1.00	0.00	H
ATOM	832	C1'	T B	9	-9.799	-48.062	90.076	1.00	0.00	C
ATOM	833	N1	T B	9	-10.443	-46.900	90.743	1.00	0.00	N
ATOM	834	C2	T B	9	-9.703	-46.234	91.700	1.00	0.00	C
ATOM	835	O2	T B	9	-8.571	-46.563	92.003	1.00	0.00	O
ATOM	836	N3	T B	9	-10.340	-45.159	92.293	1.00	0.00	N
ATOM	837	C4	T B	9	-11.614	-44.709	92.025	1.00	0.00	C
ATOM	838	O4	T B	9	-12.080	-43.733	92.627	1.00	0.00	O
ATOM	839	C5	T B	9	-12.309	-45.468	91.011	1.00	0.00	C
ATOM	840	C6	T B	9	-11.719	-46.520	90.410	1.00	0.00	C
ATOM	841	C7	T B	9	-13.699	-45.010	90.686	1.00	0.00	C
ATOM	842	C2'	T B	9	-10.754	-49.217	89.794	1.00	0.00	C
ATOM	843	C3'	T B	9	-10.230	-49.746	88.469	1.00	0.00	C
ATOM	844	O3'	T B	9	-9.160	-50.654	88.717	1.00	0.00	O
ATOM	845	C4'	T B	9	-9.763	-48.479	87.758	1.00	0.00	C
ATOM	846	O4'	T B	9	-9.279	-47.618	88.838	1.00	0.00	O
ATOM	847	C5'	T B	9	-10.808	-47.725	86.969	1.00	0.00	C
ATOM	848	O5'	T B	9	-12.083	-47.792	87.657	1.00	0.00	O
ATOM	849	O1P	T B	9	-13.518	-49.145	86.094	1.00	0.00	O
ATOM	850	O2P	T B	9	-14.575	-47.479	87.644	1.00	0.00	O
ATOM	851	P	T B	9	-13.420	-47.846	86.790	1.00	0.00	P
ATOM	852	H3	T B	9	-9.807	-44.644	93.007	1.00	0.00	H
ATOM	853	H6	T B	9	-12.263	-47.077	89.649	1.00	0.00	H
ATOM	854	H1'	T B	9	-8.961	-48.391	90.691	1.00	0.00	H
ATOM	855	H3'	T B	9	-11.009	-50.253	87.898	1.00	0.00	H
ATOM	856	H4'	T B	9	-8.973	-48.777	87.066	1.00	0.00	H
ATOM	857	H71	T B	9	-14.414	-45.779	90.980	1.00	0.00	H
ATOM	858	H72	T B	9	-13.914	-44.087	91.225	1.00	0.00	H
ATOM	859	H73	T B	9	-13.781	-44.830	89.612	1.00	0.00	H
ATOM	860	H2'1	T B	9	-11.788	-48.885	89.710	1.00	0.00	H
ATOM	861	H2'2	T B	9	-10.718	-49.982	90.571	1.00	0.00	H
ATOM	862	H5'1	T B	9	-10.498	-46.686	86.865	1.00	0.00	H

ATOM	863	H5'2	T B	9	-10.899	-48.172	85.980	1.00	0.00	H
ATOM	864	C1'	A B	10	-7.591	-49.859	94.141	1.00	0.00	C
ATOM	865	N1	A B	10	-9.988	-45.970	96.479	1.00	0.00	N
ATOM	866	C2	A B	10	-8.759	-46.466	96.591	1.00	0.00	C
ATOM	867	N3	A B	10	-8.203	-47.473	95.954	1.00	0.00	N
ATOM	868	C4	A B	10	-9.078	-48.019	95.090	1.00	0.00	C
ATOM	869	C5	A B	10	-10.369	-47.630	94.856	1.00	0.00	C
ATOM	870	C6	A B	10	-10.838	-46.534	95.608	1.00	0.00	C
ATOM	871	N6	A B	10	-12.084	-46.041	95.485	1.00	0.00	N
ATOM	872	N7	A B	10	-10.963	-48.428	93.894	1.00	0.00	N
ATOM	873	C8	A B	10	-10.032	-49.275	93.573	1.00	0.00	C
ATOM	874	N9	A B	10	-8.858	-49.086	94.256	1.00	0.00	N
ATOM	875	C2'	A B	10	-7.800	-51.352	93.932	1.00	0.00	C
ATOM	876	C3'	A B	10	-6.649	-51.708	93.004	1.00	0.00	C
ATOM	877	O3'	A B	10	-5.479	-51.948	93.783	1.00	0.00	O
ATOM	878	C4'	A B	10	-6.516	-50.459	92.134	1.00	0.00	C
ATOM	879	O4'	A B	10	-6.879	-49.357	93.027	1.00	0.00	O
ATOM	880	C5'	A B	10	-7.395	-50.399	90.908	1.00	0.00	C
ATOM	881	O5'	A B	10	-8.685	-50.995	91.199	1.00	0.00	O
ATOM	882	O1P	A B	10	-8.725	-53.039	89.730	1.00	0.00	O
ATOM	883	O2P	A B	10	-10.875	-51.932	90.400	1.00	0.00	O
ATOM	884	P	A B	10	-9.443	-51.788	90.041	1.00	0.00	P
ATOM	885	H2	A B	10	-8.121	-45.965	97.319	1.00	0.00	H
ATOM	886	H8	A B	10	-10.171	-50.061	92.830	1.00	0.00	H
ATOM	887	H1'	A B	10	-6.995	-49.669	95.033	1.00	0.00	H
ATOM	888	H3'	A B	10	-6.868	-52.586	92.400	1.00	0.00	H
ATOM	889	H4'	A B	10	-5.478	-50.413	91.803	1.00	0.00	H
ATOM	890	H61	A B	10	-12.376	-45.237	96.057	1.00	0.00	H
ATOM	891	H62	A B	10	-12.743	-46.469	94.820	1.00	0.00	H
ATOM	892	H2'1	A B	10	-8.763	-51.575	93.470	1.00	0.00	H
ATOM	893	H2'2	A B	10	-7.745	-51.913	94.865	1.00	0.00	H
ATOM	894	H5'1	A B	10	-7.530	-49.358	90.615	1.00	0.00	H
ATOM	895	H5'2	A B	10	-6.915	-50.941	90.095	1.00	0.00	H
ATOM	896	C1'	G B	11	-6.553	-49.877	98.996	1.00	0.00	C
ATOM	897	N1	G B	11	-11.013	-47.432	99.397	1.00	0.00	N
ATOM	898	C2	G B	11	-9.809	-47.194	100.037	1.00	0.00	C
ATOM	899	N2	G B	11	-9.792	-46.170	100.899	1.00	0.00	N
ATOM	900	N3	G B	11	-8.711	-47.919	99.831	1.00	0.00	N
ATOM	901	C4	G B	11	-8.912	-48.918	98.932	1.00	0.00	C
ATOM	902	C5	G B	11	-10.075	-49.233	98.251	1.00	0.00	C
ATOM	903	C6	G B	11	-11.241	-48.462	98.464	1.00	0.00	C
ATOM	904	O6	G B	11	-12.357	-48.585	97.959	1.00	0.00	O
ATOM	905	N7	G B	11	-9.864	-50.335	97.418	1.00	0.00	N
ATOM	906	C8	G B	11	-8.608	-50.643	97.616	1.00	0.00	C
ATOM	907	N9	G B	11	-7.963	-49.830	98.524	1.00	0.00	N
ATOM	908	C2'	G B	11	-6.011	-51.289	99.170	1.00	0.00	C
ATOM	909	C3'	G B	11	-4.561	-51.126	98.745	1.00	0.00	C
ATOM	910	O3'	G B	11	-3.797	-50.664	99.857	1.00	0.00	O
ATOM	911	C4'	G B	11	-4.646	-50.084	97.630	1.00	0.00	C
ATOM	912	O4'	G B	11	-5.753	-49.217	98.034	1.00	0.00	O
ATOM	913	C5'	G B	11	-4.925	-50.610	96.242	1.00	0.00	C
ATOM	914	O5'	G B	11	-5.840	-51.731	96.315	1.00	0.00	O
ATOM	915	O1P	G B	11	-4.444	-53.675	95.537	1.00	0.00	O
ATOM	916	O2P	G B	11	-6.933	-53.716	95.231	1.00	0.00	O

ATOM	917	P	G B	11	-5.682	-52.921	95.265	1.00	0.00	P
ATOM	918	H1	G B	11	-11.802	-46.808	99.621	1.00	0.00	H
ATOM	919	H8	G B	11	-8.116	-51.473	97.109	1.00	0.00	H
ATOM	920	H1'	G B	11	-6.486	-49.314	99.929	1.00	0.00	H
ATOM	921	H21	G B	11	-10.645	-45.611	101.050	1.00	0.00	H
ATOM	922	H3'	G B	11	-4.135	-52.059	98.378	1.00	0.00	H
ATOM	923	H22	G B	11	-8.928	-45.942	101.410	1.00	0.00	H
ATOM	924	H4'	G B	11	-3.687	-49.567	97.605	1.00	0.00	H
ATOM	925	H2'1	G B	11	-6.530	-52.011	98.539	1.00	0.00	H
ATOM	926	H2'2	G B	11	-6.087	-51.637	100.199	1.00	0.00	H
ATOM	927	H5'1	G B	11	-5.364	-49.814	95.640	1.00	0.00	H
ATOM	928	H5'2	G B	11	-3.987	-50.928	95.787	1.00	0.00	H
ATOM	929	C1'	G B	12	-7.481	-48.859	103.754	1.00	0.00	C
ATOM	930	N1	G B	12	-12.345	-48.854	102.214	1.00	0.00	N
ATOM	931	C2	G B	12	-11.683	-47.993	103.072	1.00	0.00	C
ATOM	932	N2	G B	12	-12.417	-46.999	103.590	1.00	0.00	N
ATOM	933	N3	G B	12	-10.396	-48.113	103.386	1.00	0.00	N
ATOM	934	C4	G B	12	-9.813	-49.179	102.777	1.00	0.00	C
ATOM	935	C5	G B	12	-10.391	-50.090	101.912	1.00	0.00	C
ATOM	936	C6	G B	12	-11.757	-49.962	101.574	1.00	0.00	C
ATOM	937	O6	G B	12	-12.444	-50.665	100.833	1.00	0.00	O
ATOM	938	N7	G B	12	-9.448	-51.038	101.506	1.00	0.00	N
ATOM	939	C8	G B	12	-8.353	-50.676	102.122	1.00	0.00	C
ATOM	940	N9	G B	12	-8.494	-49.556	102.914	1.00	0.00	N
ATOM	941	C2'	G B	12	-6.511	-49.803	104.451	1.00	0.00	C
ATOM	942	C3'	G B	12	-5.215	-49.007	104.418	1.00	0.00	C
ATOM	943	O3'	G B	12	-5.189	-48.111	105.528	1.00	0.00	O
ATOM	944	C4'	G B	12	-5.302	-48.270	103.083	1.00	0.00	C
ATOM	945	O4'	G B	12	-6.732	-48.009	102.909	1.00	0.00	O
ATOM	946	C5'	G B	12	-4.796	-49.016	101.870	1.00	0.00	C
ATOM	947	O5'	G B	12	-5.118	-50.423	101.991	1.00	0.00	O
ATOM	948	O1P	G B	12	-2.862	-51.522	102.195	1.00	0.00	O
ATOM	949	O2P	G B	12	-4.796	-52.798	101.233	1.00	0.00	O
ATOM	950	P	G B	12	-4.102	-51.498	101.393	1.00	0.00	P
ATOM	951	H1	G B	12	-13.343	-48.669	102.030	1.00	0.00	H
ATOM	952	H8	G B	12	-7.409	-51.213	102.020	1.00	0.00	H
ATOM	953	H1'	G B	12	-8.007	-48.236	104.476	1.00	0.00	H
ATOM	954	H21	G B	12	-13.413	-46.910	103.339	1.00	0.00	H
ATOM	955	H3'	G B	12	-4.338	-49.652	104.455	1.00	0.00	H
ATOM	956	H22	G B	12	-11.985	-46.326	104.238	1.00	0.00	H
ATOM	957	H4'	G B	12	-4.713	-47.360	103.184	1.00	0.00	H
ATOM	958	H2'1	G B	12	-6.406	-50.751	103.924	1.00	0.00	H
ATOM	959	H2'2	G B	12	-6.814	-50.027	105.473	1.00	0.00	H
ATOM	960	H5'1	G B	12	-5.266	-48.606	100.977	1.00	0.00	H
ATOM	961	H5'2	G B	12	-3.716	-48.890	101.799	1.00	0.00	H
ATOM	962	C1'	T B	13	-10.430	-47.887	107.608	1.00	0.00	C
ATOM	963	N1	T B	13	-10.696	-49.066	106.742	1.00	0.00	N
ATOM	964	C2	T B	13	-11.976	-49.208	106.244	1.00	0.00	C
ATOM	965	O2	T B	13	-12.870	-48.417	106.491	1.00	0.00	O
ATOM	966	N3	T B	13	-12.179	-50.317	105.443	1.00	0.00	N
ATOM	967	C4	T B	13	-11.241	-51.270	105.108	1.00	0.00	C
ATOM	968	O4	T B	13	-11.541	-52.226	104.382	1.00	0.00	O
ATOM	969	C5	T B	13	-9.932	-51.037	105.673	1.00	0.00	C
ATOM	970	C6	T B	13	-9.698	-49.967	106.457	1.00	0.00	C

ATOM	971	C7	T B	13	-8.879	-52.048	105.332	1.00	0.00	C
ATOM	972	C2'	T B	13	-9.487	-48.178	108.768	1.00	0.00	C
ATOM	973	C3'	T B	13	-8.709	-46.876	108.879	1.00	0.00	C
ATOM	974	O3'	T B	13	-9.451	-45.954	109.674	1.00	0.00	O
ATOM	975	C4'	T B	13	-8.594	-46.424	107.425	1.00	0.00	C
ATOM	976	O4'	T B	13	-9.837	-46.886	106.804	1.00	0.00	O
ATOM	977	C5'	T B	13	-7.427	-46.976	106.639	1.00	0.00	C
ATOM	978	O5'	T B	13	-7.174	-48.347	107.039	1.00	0.00	O
ATOM	979	O1P	T B	13	-4.911	-48.226	108.132	1.00	0.00	O
ATOM	980	O2P	T B	13	-5.671	-50.361	107.056	1.00	0.00	O
ATOM	981	P	T B	13	-5.671	-48.878	107.047	1.00	0.00	P
ATOM	982	H3	T B	13	-13.125	-50.442	105.058	1.00	0.00	H
ATOM	983	H6	T B	13	-8.703	-49.812	106.873	1.00	0.00	H
ATOM	984	H1'	T B	13	-11.385	-47.505	107.968	1.00	0.00	H
ATOM	985	H3'	T B	13	-7.725	-47.025	109.324	1.00	0.00	H
ATOM	986	H4'	T B	13	-8.501	-45.338	107.437	1.00	0.00	H
ATOM	987	H71	T B	13	-8.578	-52.580	106.235	1.00	0.00	H
ATOM	988	H72	T B	13	-9.279	-52.761	104.608	1.00	0.00	H
ATOM	989	H73	T B	13	-8.013	-51.543	104.903	1.00	0.00	H
ATOM	990	H2'1	T B	13	-8.826	-49.019	108.563	1.00	0.00	H
ATOM	991	H2'2	T B	13	-10.022	-48.399	109.692	1.00	0.00	H
ATOM	992	H5'1	T B	13	-7.662	-46.939	105.576	1.00	0.00	H
ATOM	993	H5'2	T B	13	-6.546	-46.368	106.833	1.00	0.00	H
ATOM	994	C1'	G B	14	-14.752	-48.062	110.046	1.00	0.00	C
ATOM	995	N1	G B	14	-15.542	-52.240	107.226	1.00	0.00	N
ATOM	996	C2	G B	14	-16.408	-51.211	107.551	1.00	0.00	C
ATOM	997	N2	G B	14	-17.649	-51.307	107.059	1.00	0.00	N
ATOM	998	N3	G B	14	-16.061	-50.167	108.303	1.00	0.00	N
ATOM	999	C4	G B	14	-14.769	-50.236	108.719	1.00	0.00	C
ATOM	1000	C5	G B	14	-13.837	-51.223	108.450	1.00	0.00	C
ATOM	1001	C6	G B	14	-14.201	-52.329	107.648	1.00	0.00	C
ATOM	1002	O6	G B	14	-13.521	-53.297	107.302	1.00	0.00	O
ATOM	1003	N7	G B	14	-12.621	-50.921	109.067	1.00	0.00	N
ATOM	1004	C8	G B	14	-12.849	-49.784	109.675	1.00	0.00	C
ATOM	1005	N9	G B	14	-14.133	-49.306	109.511	1.00	0.00	N
ATOM	1006	C2'	G B	14	-14.300	-47.712	111.458	1.00	0.00	C
ATOM	1007	C3'	G B	14	-14.260	-46.193	111.411	1.00	0.00	C
ATOM	1008	O3'	G B	14	-15.566	-45.682	111.668	1.00	0.00	O
ATOM	1009	C4'	G B	14	-13.800	-45.910	109.982	1.00	0.00	C
ATOM	1010	O4'	G B	14	-14.384	-46.996	109.194	1.00	0.00	O
ATOM	1011	C5'	G B	14	-12.309	-45.890	109.747	1.00	0.00	C
ATOM	1012	O5'	G B	14	-11.670	-46.897	110.572	1.00	0.00	O
ATOM	1013	O1P	G B	14	-10.286	-45.541	112.179	1.00	0.00	O
ATOM	1014	O2P	G B	14	-9.586	-47.874	111.582	1.00	0.00	O
ATOM	1015	P	G B	14	-10.214	-46.601	111.155	1.00	0.00	P
ATOM	1016	H1	G B	14	-15.908	-52.998	106.630	1.00	0.00	H
ATOM	1017	H8	G B	14	-12.092	-49.263	110.260	1.00	0.00	H
ATOM	1018	H1'	G B	14	-15.836	-48.172	109.999	1.00	0.00	H
ATOM	1019	H21	G B	14	-17.909	-52.116	106.475	1.00	0.00	H
ATOM	1020	H3'	G B	14	-13.560	-45.780	112.137	1.00	0.00	H
ATOM	1021	H22	G B	14	-18.343	-50.575	107.267	1.00	0.00	H
ATOM	1022	H4'	G B	14	-14.193	-44.929	109.712	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-13.321	-48.128	111.694	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-14.998	-48.067	112.216	1.00	0.00	H

ATOM	1025	H5 '1	G B	14	-12.109	-46.094	108.696	1.00	0.00	H
ATOM	1026	H5 '2	G B	14	-11.920	-44.904	110.001	1.00	0.00	H
ATOM	1027	C1 '	C B	15	-19.165	-50.018	111.153	1.00	0.00	C
ATOM	1028	N1	C B	15	-17.939	-50.860	111.168	1.00	0.00	N
ATOM	1029	C2	C B	15	-17.959	-52.055	110.450	1.00	0.00	C
ATOM	1030	O2	C B	15	-18.988	-52.363	109.835	1.00	0.00	O
ATOM	1031	N3	C B	15	-16.852	-52.837	110.451	1.00	0.00	N
ATOM	1032	C4	C B	15	-15.754	-52.476	111.128	1.00	0.00	C
ATOM	1033	N4	C B	15	-14.699	-53.277	111.091	1.00	0.00	N
ATOM	1034	C5	C B	15	-15.707	-51.254	111.879	1.00	0.00	C
ATOM	1035	C6	C B	15	-16.830	-50.482	111.860	1.00	0.00	C
ATOM	1036	C2 '	C B	15	-19.462	-49.342	112.485	1.00	0.00	C
ATOM	1037	C3 '	C B	15	-20.037	-48.005	112.041	1.00	0.00	C
ATOM	1038	O3 '	C B	15	-21.430	-48.159	111.776	1.00	0.00	O
ATOM	1039	C4 '	C B	15	-19.240	-47.695	110.777	1.00	0.00	C
ATOM	1040	O4 '	C B	15	-18.981	-49.006	110.181	1.00	0.00	O
ATOM	1041	C5 '	C B	15	-17.919	-46.985	110.973	1.00	0.00	C
ATOM	1042	O5 '	C B	15	-17.282	-47.464	112.184	1.00	0.00	O
ATOM	1043	O1P	C B	15	-17.291	-45.442	113.685	1.00	0.00	O
ATOM	1044	O2P	C B	15	-15.523	-47.202	113.962	1.00	0.00	O
ATOM	1045	P	C B	15	-16.411	-46.444	113.047	1.00	0.00	P
ATOM	1046	H5	C B	15	-14.817	-50.961	112.436	1.00	0.00	H
ATOM	1047	H6	C B	15	-16.841	-49.540	112.411	1.00	0.00	H
ATOM	1048	H1 '	C B	15	-20.003	-50.640	110.836	1.00	0.00	H
ATOM	1049	H3 '	C B	15	-19.896	-47.231	112.795	1.00	0.00	H
ATOM	1050	H4 '	C B	15	-19.868	-47.059	110.153	1.00	0.00	H
ATOM	1051	H41	C B	15	-13.841	-53.021	111.600	1.00	0.00	H
ATOM	1052	H42	C B	15	-14.737	-54.155	110.552	1.00	0.00	H
ATOM	1053	H2 '1	C B	15	-18.565	-49.206	113.089	1.00	0.00	H
ATOM	1054	H2 '2	C B	15	-20.178	-49.903	113.085	1.00	0.00	H
ATOM	1055	H5 '1	C B	15	-17.276	-47.183	110.116	1.00	0.00	H
ATOM	1056	H5 '2	C B	15	-18.097	-45.914	111.050	1.00	0.00	H
ATOM	1057	C1 '	G B	16	-22.429	-53.728	111.484	1.00	0.00	C
ATOM	1058	N1	G B	16	-18.243	-56.633	111.721	1.00	0.00	N
ATOM	1059	C2	G B	16	-19.422	-56.830	111.023	1.00	0.00	C
ATOM	1060	N2	G B	16	-19.495	-57.950	110.293	1.00	0.00	N
ATOM	1061	N3	G B	16	-20.444	-55.976	111.051	1.00	0.00	N
ATOM	1062	C4	G B	16	-20.198	-54.902	111.845	1.00	0.00	C
ATOM	1063	C5	G B	16	-19.058	-54.626	112.581	1.00	0.00	C
ATOM	1064	C6	G B	16	-17.970	-55.530	112.549	1.00	0.00	C
ATOM	1065	O6	G B	16	-16.885	-55.459	113.128	1.00	0.00	O
ATOM	1066	N7	G B	16	-19.206	-53.418	113.268	1.00	0.00	N
ATOM	1067	C8	G B	16	-20.403	-53.010	112.933	1.00	0.00	C
ATOM	1068	N9	G B	16	-21.069	-53.858	112.072	1.00	0.00	N
ATOM	1069	C2 '	G B	16	-23.455	-53.133	112.437	1.00	0.00	C
ATOM	1070	C3 '	G B	16	-24.321	-52.307	111.499	1.00	0.00	C
ATOM	1071	O3 '	G B	16	-25.310	-53.150	110.912	1.00	0.00	O
ATOM	1072	C4 '	G B	16	-23.314	-51.795	110.470	1.00	0.00	C
ATOM	1073	O4 '	G B	16	-22.332	-52.875	110.360	1.00	0.00	O
ATOM	1074	C5 '	G B	16	-22.590	-50.517	110.819	1.00	0.00	C
ATOM	1075	O5 '	G B	16	-22.316	-50.480	112.241	1.00	0.00	O
ATOM	1076	O1P	G B	16	-23.727	-48.561	113.056	1.00	0.00	O
ATOM	1077	O2P	G B	16	-21.636	-49.193	114.289	1.00	0.00	O
ATOM	1078	P	G B	16	-22.346	-49.072	112.992	1.00	0.00	P

ATOM	1079	H1	G B	16	-17.510	-57.352	111.625	1.00	0.00	H
ATOM	1080	H8	G B	16	-20.836	-52.080	113.300	1.00	0.00	H
ATOM	1081	H1'	G B	16	-22.745	-54.710	111.132	1.00	0.00	H
ATOM	1082	H21	G B	16	-18.700	-58.603	110.272	1.00	0.00	H
ATOM	1083	H3'	G B	16	-24.810	-51.481	112.014	1.00	0.00	H
ATOM	1084	H22	G B	16	-20.347	-58.154	109.751	1.00	0.00	H
ATOM	1085	H4'	G B	16	-23.865	-51.624	109.545	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-22.995	-52.509	113.204	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-24.040	-53.899	112.947	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-21.653	-50.474	110.263	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-23.211	-49.667	110.540	1.00	0.00	H
ATOM	1090	C1'	G B	17	-23.721	-58.491	111.897	1.00	0.00	C
ATOM	1091	N1	G B	17	-19.131	-58.958	114.074	1.00	0.00	N
ATOM	1092	C2	G B	17	-19.768	-59.777	113.158	1.00	0.00	C
ATOM	1093	N2	G B	17	-19.091	-60.866	112.772	1.00	0.00	N
ATOM	1094	N3	G B	17	-20.979	-59.529	112.666	1.00	0.00	N
ATOM	1095	C4	G B	17	-21.519	-58.389	113.172	1.00	0.00	C
ATOM	1096	C5	G B	17	-20.962	-57.514	114.089	1.00	0.00	C
ATOM	1097	C6	G B	17	-19.674	-57.774	114.610	1.00	0.00	C
ATOM	1098	O6	G B	17	-19.019	-57.123	115.424	1.00	0.00	O
ATOM	1099	N7	G B	17	-21.843	-56.462	114.349	1.00	0.00	N
ATOM	1100	C8	G B	17	-22.880	-56.724	113.597	1.00	0.00	C
ATOM	1101	N9	G B	17	-22.758	-57.879	112.853	1.00	0.00	N
ATOM	1102	C2'	G B	17	-25.176	-58.363	112.327	1.00	0.00	C
ATOM	1103	C3'	G B	17	-25.886	-58.173	110.996	1.00	0.00	C
ATOM	1104	O3'	G B	17	-26.138	-59.449	110.412	1.00	0.00	O
ATOM	1105	C4'	G B	17	-24.879	-57.356	110.189	1.00	0.00	C
ATOM	1106	O4'	G B	17	-23.575	-57.830	110.655	1.00	0.00	O
ATOM	1107	C5'	G B	17	-24.938	-55.857	110.360	1.00	0.00	C
ATOM	1108	O5'	G B	17	-25.258	-55.533	111.736	1.00	0.00	O
ATOM	1109	O1P	G B	17	-27.529	-54.461	111.568	1.00	0.00	O
ATOM	1110	O2P	G B	17	-25.994	-53.857	113.458	1.00	0.00	O
ATOM	1111	P	G B	17	-26.146	-54.241	112.033	1.00	0.00	P
ATOM	1112	H1	G B	17	-18.190	-59.238	114.389	1.00	0.00	H
ATOM	1113	H8	G B	17	-23.763	-56.086	113.560	1.00	0.00	H
ATOM	1114	H1'	G B	17	-23.445	-59.535	111.756	1.00	0.00	H
ATOM	1115	H21	G B	17	-18.152	-61.050	113.153	1.00	0.00	H
ATOM	1116	H3'	G B	17	-26.827	-57.634	111.108	1.00	0.00	H
ATOM	1117	H22	G B	17	-19.510	-61.517	112.093	1.00	0.00	H
ATOM	1118	H4'	G B	17	-25.061	-57.578	109.137	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-25.339	-57.514	112.989	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-25.534	-59.254	112.844	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-23.971	-55.428	110.096	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-25.703	-55.451	109.698	1.00	0.00	H
ATOM	1123	C1'	C B	18	-22.971	-63.203	113.223	1.00	0.00	C
ATOM	1124	N1	C B	18	-22.778	-62.100	114.204	1.00	0.00	N
ATOM	1125	C2	C B	18	-21.576	-62.057	114.907	1.00	0.00	C
ATOM	1126	O2	C B	18	-20.725	-62.930	114.690	1.00	0.00	O
ATOM	1127	N3	C B	18	-21.380	-61.061	115.805	1.00	0.00	N
ATOM	1128	C4	C B	18	-22.321	-60.132	116.017	1.00	0.00	C
ATOM	1129	N4	C B	18	-22.075	-59.180	116.906	1.00	0.00	N
ATOM	1130	C5	C B	18	-23.566	-60.154	115.310	1.00	0.00	C
ATOM	1131	C6	C B	18	-23.740	-61.163	114.410	1.00	0.00	C
ATOM	1132	C2'	C B	18	-24.393	-63.749	113.186	1.00	0.00	C

ATOM	1133	C3'	C B	18	-24.570	-64.073	111.710	1.00	0.00	C
ATOM	1134	O3'	C B	18	-24.033	-65.367	111.447	1.00	0.00	O
ATOM	1135	C4'	C B	18	-23.773	-62.967	111.022	1.00	0.00	C
ATOM	1136	O4'	C B	18	-22.665	-62.695	111.938	1.00	0.00	O
ATOM	1137	C5'	C B	18	-24.509	-61.675	110.758	1.00	0.00	C
ATOM	1138	O5'	C B	18	-25.420	-61.396	111.852	1.00	0.00	O
ATOM	1139	O1P	C B	18	-27.691	-61.579	110.782	1.00	0.00	O
ATOM	1140	O2P	C B	18	-27.363	-60.105	112.786	1.00	0.00	O
ATOM	1141	P	C B	18	-26.803	-60.670	111.534	1.00	0.00	P
ATOM	1142	H5	C B	18	-24.336	-59.402	115.483	1.00	0.00	H
ATOM	1143	H6	C B	18	-24.670	-61.219	113.846	1.00	0.00	H
ATOM	1144	H1'	C B	18	-22.256	-63.992	113.451	1.00	0.00	H
ATOM	1145	H3'	C B	18	-25.617	-64.049	111.411	1.00	0.00	H
ATOM	1146	H4'	C B	18	-23.445	-63.363	110.061	1.00	0.00	H
ATOM	1147	H41	C B	18	-22.781	-58.451	117.087	1.00	0.00	H
ATOM	1148	H42	C B	18	-21.179	-59.167	117.412	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-25.126	-63.018	113.522	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-24.510	-64.638	113.806	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-23.788	-60.862	110.665	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-25.069	-61.765	109.828	1.00	0.00	H
ATOM	1153	C1'	C B	19	-20.892	-66.781	115.944	1.00	0.00	C
ATOM	1154	N1	C B	19	-21.554	-65.619	116.598	1.00	0.00	N
ATOM	1155	C2	C B	19	-20.838	-64.920	117.568	1.00	0.00	C
ATOM	1156	O2	C B	19	-19.689	-65.289	117.843	1.00	0.00	O
ATOM	1157	N3	C B	19	-21.424	-63.861	118.175	1.00	0.00	N
ATOM	1158	C4	C B	19	-22.670	-63.486	117.855	1.00	0.00	C
ATOM	1159	N4	C B	19	-23.193	-62.444	118.480	1.00	0.00	N
ATOM	1160	C5	C B	19	-23.427	-64.188	116.864	1.00	0.00	C
ATOM	1161	C6	C B	19	-22.818	-65.250	116.265	1.00	0.00	C
ATOM	1162	C2'	C B	19	-21.830	-67.945	115.666	1.00	0.00	C
ATOM	1163	C3'	C B	19	-21.291	-68.478	114.345	1.00	0.00	C
ATOM	1164	O3'	C B	19	-20.211	-69.371	114.607	1.00	0.00	O
ATOM	1165	C4'	C B	19	-20.832	-67.211	113.629	1.00	0.00	C
ATOM	1166	O4'	C B	19	-20.368	-66.335	114.707	1.00	0.00	O
ATOM	1167	C5'	C B	19	-21.881	-66.473	112.829	1.00	0.00	C
ATOM	1168	O5'	C B	19	-23.160	-66.551	113.506	1.00	0.00	O
ATOM	1169	O1P	C B	19	-24.566	-67.931	111.942	1.00	0.00	O
ATOM	1170	O2P	C B	19	-25.656	-66.268	113.473	1.00	0.00	O
ATOM	1171	P	C B	19	-24.489	-66.627	112.630	1.00	0.00	P
ATOM	1172	H5	C B	19	-24.442	-63.889	116.602	1.00	0.00	H
ATOM	1173	H6	C B	19	-23.357	-65.814	115.503	1.00	0.00	H
ATOM	1174	H1'	C B	19	-20.055	-67.092	116.570	1.00	0.00	H
ATOM	1175	H3'	C B	19	-22.059	-68.998	113.772	1.00	0.00	H
ATOM	1176	H4'	C B	19	-20.036	-67.503	112.945	1.00	0.00	H
ATOM	1177	H41	C B	19	-24.149	-62.132	118.252	1.00	0.00	H
ATOM	1178	H42	C B	19	-22.644	-61.940	119.194	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-22.867	-67.628	115.570	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-21.789	-68.705	116.447	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-21.582	-65.432	112.721	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-21.959	-66.928	111.842	1.00	0.00	H
ATOM	1183	C1'	T B	20	-18.694	-68.590	119.993	1.00	0.00	C
ATOM	1184	N1	T B	20	-19.960	-67.818	120.110	1.00	0.00	N
ATOM	1185	C2	T B	20	-19.981	-66.774	121.013	1.00	0.00	C
ATOM	1186	O2	T B	20	-19.018	-66.475	121.698	1.00	0.00	O

ATOM	1187	N3	T B	20	-21.176	-66.086	121.089	1.00	0.00	N
ATOM	1188	C4	T B	20	-22.319	-66.341	120.364	1.00	0.00	C
ATOM	1189	O4	T B	20	-23.336	-65.652	120.521	1.00	0.00	O
ATOM	1190	C5	T B	20	-22.202	-67.449	119.446	1.00	0.00	C
ATOM	1191	C6	T B	20	-21.053	-68.143	119.345	1.00	0.00	C
ATOM	1192	C7	T B	20	-23.424	-67.762	118.635	1.00	0.00	C
ATOM	1193	C2'	T B	20	-18.904	-70.085	119.786	1.00	0.00	C
ATOM	1194	C3'	T B	20	-17.754	-70.440	118.855	1.00	0.00	C
ATOM	1195	O3'	T B	20	-16.582	-70.681	119.629	1.00	0.00	O
ATOM	1196	C4'	T B	20	-17.625	-69.193	117.983	1.00	0.00	C
ATOM	1197	O4'	T B	20	-17.986	-68.090	118.875	1.00	0.00	O
ATOM	1198	C5'	T B	20	-18.510	-69.133	116.760	1.00	0.00	C
ATOM	1199	O5'	T B	20	-19.799	-69.732	117.057	1.00	0.00	O
ATOM	1200	O1P	T B	20	-19.843	-71.776	115.591	1.00	0.00	O
ATOM	1201	O2P	T B	20	-21.991	-70.669	116.268	1.00	0.00	O
ATOM	1202	P	T B	20	-20.561	-70.524	115.903	1.00	0.00	P
ATOM	1203	H3	T B	20	-21.217	-65.301	121.755	1.00	0.00	H
ATOM	1204	H6	T B	20	-20.988	-68.976	118.645	1.00	0.00	H
ATOM	1205	H1'	T B	20	-18.094	-68.400	120.882	1.00	0.00	H
ATOM	1206	H3'	T B	20	-17.976	-71.320	118.252	1.00	0.00	H
ATOM	1207	H4'	T B	20	-16.589	-69.148	117.646	1.00	0.00	H
ATOM	1208	H3T	T B	20	-16.684	-71.323	120.335	1.00	0.00	H
ATOM	1209	H71	T B	20	-23.808	-68.742	118.919	1.00	0.00	H
ATOM	1210	H72	T B	20	-24.187	-67.004	118.819	1.00	0.00	H
ATOM	1211	H73	T B	20	-23.166	-67.765	117.575	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-19.867	-70.307	119.330	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-18.845	-70.644	120.720	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-18.646	-68.093	116.465	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-18.032	-69.677	115.947	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-4.653	-82.886	94.763	1.00	0.00	C
ATOM	2	N1	A A	1	-8.755	-83.842	91.833	1.00	0.00	N
ATOM	3	C2	A A	1	-7.451	-84.009	91.635	1.00	0.00	C
ATOM	4	N3	A A	1	-6.442	-83.743	92.437	1.00	0.00	N
ATOM	5	C4	A A	1	-6.892	-83.228	93.595	1.00	0.00	C
ATOM	6	C5	A A	1	-8.190	-82.994	93.953	1.00	0.00	C
ATOM	7	C6	A A	1	-9.174	-83.328	92.999	1.00	0.00	C
ATOM	8	N6	A A	1	-10.490	-83.154	93.210	1.00	0.00	N
ATOM	9	N7	A A	1	-8.268	-82.456	95.226	1.00	0.00	N
ATOM	10	C8	A A	1	-7.027	-82.376	95.607	1.00	0.00	C
ATOM	11	N9	A A	1	-6.136	-82.827	94.670	1.00	0.00	N
ATOM	12	C2'	A A	1	-4.036	-81.700	95.492	1.00	0.00	C
ATOM	13	C3'	A A	1	-2.869	-82.347	96.219	1.00	0.00	C
ATOM	14	O3'	A A	1	-1.752	-82.424	95.337	1.00	0.00	O
ATOM	15	C4'	A A	1	-3.415	-83.727	96.581	1.00	0.00	C
ATOM	16	O4'	A A	1	-4.312	-84.061	95.474	1.00	0.00	O
ATOM	17	C5'	A A	1	-4.189	-83.824	97.875	1.00	0.00	C
ATOM	18	O5'	A A	1	-4.965	-82.615	98.075	1.00	0.00	O
ATOM	19	H2	A A	1	-7.177	-84.427	90.666	1.00	0.00	H
ATOM	20	H8	A A	1	-6.725	-81.986	96.579	1.00	0.00	H
ATOM	21	H1'	A A	1	-4.250	-82.976	93.754	1.00	0.00	H
ATOM	22	H3'	A A	1	-2.584	-81.790	97.113	1.00	0.00	H
ATOM	23	H4'	A A	1	-2.559	-84.397	96.655	1.00	0.00	H
ATOM	24	H61	A A	1	-11.167	-83.414	92.482	1.00	0.00	H

ATOM	25	H62	A A	1	-10.818	-82.758	94.103	1.00	0.00	H
ATOM	26	H5T	A A	1	-5.097	-82.294	98.969	1.00	0.00	H
ATOM	27	H2'1	A A	1	-4.731	-81.237	96.191	1.00	0.00	H
ATOM	28	H2'2	A A	1	-3.695	-80.925	94.806	1.00	0.00	H
ATOM	29	H5'1	A A	1	-4.854	-84.685	97.830	1.00	0.00	H
ATOM	30	H5'2	A A	1	-3.491	-83.953	98.701	1.00	0.00	H
ATOM	31	C1'	G A	2	-3.787	-81.472	90.083	1.00	0.00	C
ATOM	32	N1	G A	2	-8.865	-81.057	89.849	1.00	0.00	N
ATOM	33	C2	G A	2	-7.976	-81.579	88.930	1.00	0.00	C
ATOM	34	N2	G A	2	-8.508	-82.052	87.797	1.00	0.00	N
ATOM	35	N3	G A	2	-6.659	-81.627	89.124	1.00	0.00	N
ATOM	36	C4	G A	2	-6.295	-81.099	90.323	1.00	0.00	C
ATOM	37	C5	G A	2	-7.112	-80.553	91.300	1.00	0.00	C
ATOM	38	C6	G A	2	-8.511	-80.507	91.094	1.00	0.00	C
ATOM	39	O6	G A	2	-9.390	-80.069	91.836	1.00	0.00	O
ATOM	40	N7	G A	2	-6.344	-80.120	92.384	1.00	0.00	N
ATOM	41	C8	G A	2	-5.117	-80.412	92.039	1.00	0.00	C
ATOM	42	N9	G A	2	-5.006	-81.008	90.799	1.00	0.00	N
ATOM	43	C2'	G A	2	-2.579	-80.565	90.274	1.00	0.00	C
ATOM	44	C3'	G A	2	-1.434	-81.563	90.306	1.00	0.00	C
ATOM	45	O3'	G A	2	-1.036	-81.862	88.969	1.00	0.00	O
ATOM	46	C4'	G A	2	-2.054	-82.770	91.007	1.00	0.00	C
ATOM	47	O4'	G A	2	-3.453	-82.752	90.584	1.00	0.00	O
ATOM	48	C5'	G A	2	-2.003	-82.767	92.516	1.00	0.00	C
ATOM	49	O5'	G A	2	-2.187	-81.416	93.011	1.00	0.00	O
ATOM	50	O1P	G A	2	0.030	-80.879	94.073	1.00	0.00	O
ATOM	51	O2P	G A	2	-2.058	-79.756	94.892	1.00	0.00	O
ATOM	52	P	G A	2	-1.418	-80.973	94.336	1.00	0.00	P
ATOM	53	H1	G A	2	-9.865	-81.071	89.602	1.00	0.00	H
ATOM	54	H8	G A	2	-4.257	-80.202	92.674	1.00	0.00	H
ATOM	55	H1'	G A	2	-4.032	-81.579	89.027	1.00	0.00	H
ATOM	56	H21	G A	2	-9.527	-82.014	87.653	1.00	0.00	H
ATOM	57	H3'	G A	2	-0.576	-81.182	90.861	1.00	0.00	H
ATOM	58	H22	G A	2	-7.898	-82.454	87.071	1.00	0.00	H
ATOM	59	H4'	G A	2	-1.514	-83.650	90.658	1.00	0.00	H
ATOM	60	H2'1	G A	2	-2.634	-79.994	91.201	1.00	0.00	H
ATOM	61	H2'2	G A	2	-2.464	-79.852	89.456	1.00	0.00	H
ATOM	62	H5'1	G A	2	-2.795	-83.410	92.902	1.00	0.00	H
ATOM	63	H5'2	G A	2	-1.039	-83.152	92.844	1.00	0.00	H
ATOM	64	C1'	G A	3	-5.136	-79.950	85.567	1.00	0.00	C
ATOM	65	N1	G A	3	-9.257	-78.195	88.008	1.00	0.00	N
ATOM	66	C2	G A	3	-9.157	-78.855	86.798	1.00	0.00	C
ATOM	67	N2	G A	3	-10.308	-79.074	86.149	1.00	0.00	N
ATOM	68	N3	G A	3	-8.003	-79.263	86.276	1.00	0.00	N
ATOM	69	C4	G A	3	-6.940	-78.951	87.063	1.00	0.00	C
ATOM	70	C5	G A	3	-6.944	-78.294	88.282	1.00	0.00	C
ATOM	71	C6	G A	3	-8.171	-77.864	88.839	1.00	0.00	C
ATOM	72	O6	G A	3	-8.377	-77.271	89.899	1.00	0.00	O
ATOM	73	N7	G A	3	-5.641	-78.169	88.767	1.00	0.00	N
ATOM	74	C8	G A	3	-4.906	-78.743	87.851	1.00	0.00	C
ATOM	75	N9	G A	3	-5.623	-79.243	86.783	1.00	0.00	N
ATOM	76	C2'	G A	3	-3.817	-79.412	85.030	1.00	0.00	C
ATOM	77	C3'	G A	3	-3.140	-80.675	84.526	1.00	0.00	C
ATOM	78	O3'	G A	3	-3.598	-80.955	83.205	1.00	0.00	O

ATOM	79	C4'	G A	3	-3.597	-81.731	85.531	1.00	0.00	C
ATOM	80	O4'	G A	3	-4.946	-81.311	85.907	1.00	0.00	O
ATOM	81	C5'	G A	3	-2.765	-81.866	86.785	1.00	0.00	C
ATOM	82	O5'	G A	3	-2.294	-80.561	87.204	1.00	0.00	O
ATOM	83	O1P	G A	3	0.201	-80.718	86.903	1.00	0.00	O
ATOM	84	O2P	G A	3	-0.760	-79.156	88.614	1.00	0.00	O
ATOM	85	P	G A	3	-0.859	-80.449	87.894	1.00	0.00	P
ATOM	86	H1	G A	3	-10.200	-77.925	88.326	1.00	0.00	H
ATOM	87	H8	G A	3	-3.821	-78.821	87.923	1.00	0.00	H
ATOM	88	H1'	G A	3	-5.916	-79.901	84.807	1.00	0.00	H
ATOM	89	H21	G A	3	-11.198	-78.758	86.561	1.00	0.00	H
ATOM	90	H3'	G A	3	-2.053	-80.582	84.519	1.00	0.00	H
ATOM	91	H22	G A	3	-10.301	-79.559	85.242	1.00	0.00	H
ATOM	92	H4'	G A	3	-3.577	-82.689	85.014	1.00	0.00	H
ATOM	93	H2'1	G A	3	-3.224	-78.926	85.805	1.00	0.00	H
ATOM	94	H2'2	G A	3	-3.961	-78.690	84.227	1.00	0.00	H
ATOM	95	H5'1	G A	3	-3.374	-82.309	87.572	1.00	0.00	H
ATOM	96	H5'2	G A	3	-1.916	-82.518	86.582	1.00	0.00	H
ATOM	97	C1'	C A	4	-8.187	-77.757	82.340	1.00	0.00	C
ATOM	98	N1	C A	4	-7.761	-77.048	83.580	1.00	0.00	N
ATOM	99	C2	C A	4	-8.752	-76.497	84.387	1.00	0.00	C
ATOM	100	O2	C A	4	-9.936	-76.614	84.046	1.00	0.00	O
ATOM	101	N3	C A	4	-8.385	-75.848	85.519	1.00	0.00	N
ATOM	102	C4	C A	4	-7.095	-75.736	85.861	1.00	0.00	C
ATOM	103	N4	C A	4	-6.793	-75.094	86.980	1.00	0.00	N
ATOM	104	C5	C A	4	-6.056	-76.293	85.047	1.00	0.00	C
ATOM	105	C6	C A	4	-6.448	-76.943	83.915	1.00	0.00	C
ATOM	106	C2'	C A	4	-7.256	-77.536	81.157	1.00	0.00	C
ATOM	107	C3'	C A	4	-7.302	-78.888	80.460	1.00	0.00	C
ATOM	108	O3'	C A	4	-8.438	-78.931	79.598	1.00	0.00	O
ATOM	109	C4'	C A	4	-7.425	-79.867	81.625	1.00	0.00	C
ATOM	110	O4'	C A	4	-8.212	-79.144	82.625	1.00	0.00	O
ATOM	111	C5'	C A	4	-6.131	-80.315	82.263	1.00	0.00	C
ATOM	112	O5'	C A	4	-5.186	-79.215	82.282	1.00	0.00	O
ATOM	113	O1P	C A	4	-3.362	-79.987	80.729	1.00	0.00	O
ATOM	114	O2P	C A	4	-2.836	-78.374	82.577	1.00	0.00	O
ATOM	115	P	C A	4	-3.633	-79.534	82.107	1.00	0.00	P
ATOM	116	H5	C A	4	-5.004	-76.200	85.319	1.00	0.00	H
ATOM	117	H6	C A	4	-5.693	-77.388	83.266	1.00	0.00	H
ATOM	118	H1'	C A	4	-9.202	-77.445	82.103	1.00	0.00	H
ATOM	119	H3'	C A	4	-6.400	-79.077	79.878	1.00	0.00	H
ATOM	120	H4'	C A	4	-7.931	-80.752	81.243	1.00	0.00	H
ATOM	121	H41	C A	4	-5.808	-74.995	87.267	1.00	0.00	H
ATOM	122	H42	C A	4	-7.542	-74.693	87.563	1.00	0.00	H
ATOM	123	H2'1	C A	4	-6.242	-77.286	81.467	1.00	0.00	H
ATOM	124	H2'2	C A	4	-7.604	-76.738	80.500	1.00	0.00	H
ATOM	125	H5'1	C A	4	-6.329	-80.647	83.283	1.00	0.00	H
ATOM	126	H5'2	C A	4	-5.718	-81.145	81.690	1.00	0.00	H
ATOM	127	C1'	C A	5	-11.758	-74.577	81.053	1.00	0.00	C
ATOM	128	N1	C A	5	-10.576	-74.111	81.829	1.00	0.00	N
ATOM	129	C2	C A	5	-10.807	-73.387	82.996	1.00	0.00	C
ATOM	130	O2	C A	5	-11.976	-73.159	83.339	1.00	0.00	O
ATOM	131	N3	C A	5	-9.744	-72.954	83.718	1.00	0.00	N
ATOM	132	C4	C A	5	-8.492	-73.214	83.322	1.00	0.00	C

ATOM	133	N4	C A	5	-7.491	-72.771	84.067	1.00	0.00	N
ATOM	134	C5	C A	5	-8.225	-73.956	82.125	1.00	0.00	C
ATOM	135	C6	C A	5	-9.311	-74.383	81.417	1.00	0.00	C
ATOM	136	C2'	C A	5	-11.566	-74.511	79.545	1.00	0.00	C
ATOM	137	C3'	C A	5	-12.330	-75.740	79.074	1.00	0.00	C
ATOM	138	O3'	C A	5	-13.710	-75.411	78.943	1.00	0.00	O
ATOM	139	C4'	C A	5	-12.079	-76.746	80.195	1.00	0.00	C
ATOM	140	O4'	C A	5	-12.000	-75.927	81.405	1.00	0.00	O
ATOM	141	C5'	C A	5	-10.817	-77.570	80.087	1.00	0.00	C
ATOM	142	O5'	C A	5	-9.749	-76.762	79.530	1.00	0.00	O
ATOM	143	O1P	C A	5	-9.294	-77.856	77.308	1.00	0.00	O
ATOM	144	O2P	C A	5	-7.470	-76.598	78.487	1.00	0.00	O
ATOM	145	P	C A	5	-8.670	-77.464	78.587	1.00	0.00	P
ATOM	146	H5	C A	5	-7.207	-74.165	81.796	1.00	0.00	H
ATOM	147	H6	C A	5	-9.158	-74.955	80.502	1.00	0.00	H
ATOM	148	H1'	C A	5	-12.622	-73.989	81.363	1.00	0.00	H
ATOM	149	H3'	C A	5	-11.955	-76.112	78.119	1.00	0.00	H
ATOM	150	H4'	C A	5	-12.926	-77.432	80.199	1.00	0.00	H
ATOM	151	H41	C A	5	-6.517	-72.958	83.786	1.00	0.00	H
ATOM	152	H42	C A	5	-7.685	-72.237	84.927	1.00	0.00	H
ATOM	153	H2'1	C A	5	-10.516	-74.563	79.258	1.00	0.00	H
ATOM	154	H2'2	C A	5	-11.979	-73.598	79.115	1.00	0.00	H
ATOM	155	H5'1	C A	5	-10.533	-77.921	81.080	1.00	0.00	H
ATOM	156	H5'2	C A	5	-11.005	-78.429	79.444	1.00	0.00	H
ATOM	157	C1'	G A	6	-14.472	-70.473	81.615	1.00	0.00	C
ATOM	158	N1	G A	6	-10.367	-68.781	84.128	1.00	0.00	N
ATOM	159	C2	G A	6	-11.711	-68.656	84.435	1.00	0.00	C
ATOM	160	N2	G A	6	-11.999	-67.990	85.559	1.00	0.00	N
ATOM	161	N3	G A	6	-12.687	-69.156	83.680	1.00	0.00	N
ATOM	162	C4	G A	6	-12.214	-69.791	82.577	1.00	0.00	C
ATOM	163	C5	G A	6	-10.896	-69.963	82.189	1.00	0.00	C
ATOM	164	C6	G A	6	-9.857	-69.436	82.991	1.00	0.00	C
ATOM	165	O6	G A	6	-8.641	-69.484	82.816	1.00	0.00	O
ATOM	166	N7	G A	6	-10.834	-70.674	80.989	1.00	0.00	N
ATOM	167	C8	G A	6	-12.087	-70.909	80.696	1.00	0.00	C
ATOM	168	N9	G A	6	-12.985	-70.404	81.613	1.00	0.00	N
ATOM	169	C2'	G A	6	-15.094	-70.338	80.232	1.00	0.00	C
ATOM	170	C3'	G A	6	-16.287	-71.275	80.326	1.00	0.00	C
ATOM	171	O3'	G A	6	-17.382	-70.581	80.919	1.00	0.00	O
ATOM	172	C4'	G A	6	-15.765	-72.401	81.218	1.00	0.00	C
ATOM	173	O4'	G A	6	-14.846	-71.732	82.140	1.00	0.00	O
ATOM	174	C5'	G A	6	-15.025	-73.518	80.525	1.00	0.00	C
ATOM	175	O5'	G A	6	-14.241	-72.984	79.429	1.00	0.00	O
ATOM	176	O1P	G A	6	-15.335	-73.973	77.391	1.00	0.00	O
ATOM	177	O2P	G A	6	-12.906	-73.348	77.332	1.00	0.00	O
ATOM	178	P	G A	6	-14.054	-73.868	78.115	1.00	0.00	P
ATOM	179	H1	G A	6	-9.689	-68.364	84.784	1.00	0.00	H
ATOM	180	H8	G A	6	-12.397	-71.457	79.805	1.00	0.00	H
ATOM	181	H1'	G A	6	-14.849	-69.702	82.289	1.00	0.00	H
ATOM	182	H21	G A	6	-11.238	-67.608	86.141	1.00	0.00	H
ATOM	183	H3'	G A	6	-16.587	-71.655	79.350	1.00	0.00	H
ATOM	184	H22	G A	6	-12.981	-67.859	85.843	1.00	0.00	H
ATOM	185	H4'	G A	6	-16.629	-72.834	81.721	1.00	0.00	H
ATOM	186	H2'1	G A	6	-14.410	-70.645	79.439	1.00	0.00	H

ATOM	187	H2'2	G A	6	-15.407	-69.316	80.016	1.00	0.00	H
ATOM	188	H5'1	G A	6	-14.370	-74.014	81.240	1.00	0.00	H
ATOM	189	H5'2	G A	6	-15.746	-74.242	80.143	1.00	0.00	H
ATOM	190	C1'	C A	7	-15.280	-65.860	83.228	1.00	0.00	C
ATOM	191	N1	C A	7	-14.056	-66.184	82.446	1.00	0.00	N
ATOM	192	C2	C A	7	-12.825	-65.799	82.973	1.00	0.00	C
ATOM	193	O2	C A	7	-12.797	-65.210	84.060	1.00	0.00	O
ATOM	194	N3	C A	7	-11.698	-66.085	82.276	1.00	0.00	N
ATOM	195	C4	C A	7	-11.758	-66.723	81.100	1.00	0.00	C
ATOM	196	N4	C A	7	-10.626	-66.979	80.463	1.00	0.00	N
ATOM	197	C5	C A	7	-13.011	-67.126	80.531	1.00	0.00	C
ATOM	198	C6	C A	7	-14.133	-66.833	81.254	1.00	0.00	C
ATOM	199	C2'	C A	7	-16.468	-65.450	82.368	1.00	0.00	C
ATOM	200	C3'	C A	7	-17.636	-66.047	83.137	1.00	0.00	C
ATOM	201	O3'	C A	7	-18.031	-65.144	84.167	1.00	0.00	O
ATOM	202	C4'	C A	7	-17.049	-67.341	83.698	1.00	0.00	C
ATOM	203	O4'	C A	7	-15.645	-67.019	83.955	1.00	0.00	O
ATOM	204	C5'	C A	7	-17.108	-68.552	82.794	1.00	0.00	C
ATOM	205	O5'	C A	7	-16.900	-68.148	81.417	1.00	0.00	O
ATOM	206	O1P	C A	7	-19.113	-68.639	80.323	1.00	0.00	O
ATOM	207	O2P	C A	7	-17.005	-68.668	78.962	1.00	0.00	O
ATOM	208	P	C A	7	-17.667	-68.933	80.262	1.00	0.00	P
ATOM	209	H5	C A	7	-13.066	-67.641	79.571	1.00	0.00	H
ATOM	210	H6	C A	7	-15.109	-67.126	80.866	1.00	0.00	H
ATOM	211	H1'	C A	7	-15.029	-65.079	83.947	1.00	0.00	H
ATOM	212	H3'	C A	7	-18.489	-66.250	82.488	1.00	0.00	H
ATOM	213	H4'	C A	7	-17.607	-67.575	84.604	1.00	0.00	H
ATOM	214	H41	C A	7	-10.643	-67.471	79.558	1.00	0.00	H
ATOM	215	H42	C A	7	-9.725	-66.687	80.870	1.00	0.00	H
ATOM	216	H2'1	C A	7	-16.408	-65.855	81.360	1.00	0.00	H
ATOM	217	H2'2	C A	7	-16.561	-64.366	82.282	1.00	0.00	H
ATOM	218	H5'1	C A	7	-16.335	-69.260	83.092	1.00	0.00	H
ATOM	219	H5'2	C A	7	-18.085	-69.025	82.894	1.00	0.00	H
ATOM	220	C1'	A A	8	-13.880	-61.347	84.704	1.00	0.00	C
ATOM	221	N1	A A	8	-9.708	-62.346	81.885	1.00	0.00	N
ATOM	222	C2	A A	8	-9.873	-61.791	83.081	1.00	0.00	C
ATOM	223	N3	A A	8	-10.980	-61.564	83.755	1.00	0.00	N
ATOM	224	C4	A A	8	-12.047	-61.984	83.049	1.00	0.00	C
ATOM	225	C5	A A	8	-12.049	-62.571	81.814	1.00	0.00	C
ATOM	226	C6	A A	8	-10.791	-62.756	81.206	1.00	0.00	C
ATOM	227	N6	A A	8	-10.637	-63.319	79.995	1.00	0.00	N
ATOM	228	N7	A A	8	-13.337	-62.869	81.405	1.00	0.00	N
ATOM	229	C8	A A	8	-14.081	-62.457	82.391	1.00	0.00	C
ATOM	230	N9	A A	8	-13.366	-61.910	83.425	1.00	0.00	N
ATOM	231	C2'	A A	8	-15.188	-60.581	84.554	1.00	0.00	C
ATOM	232	C3'	A A	8	-15.901	-60.916	85.853	1.00	0.00	C
ATOM	233	O3'	A A	8	-15.458	-60.024	86.873	1.00	0.00	O
ATOM	234	C4'	A A	8	-15.467	-62.357	86.119	1.00	0.00	C
ATOM	235	O4'	A A	8	-14.103	-62.426	85.591	1.00	0.00	O
ATOM	236	C5'	A A	8	-16.295	-63.437	85.464	1.00	0.00	C
ATOM	237	O5'	A A	8	-16.728	-62.997	84.152	1.00	0.00	O
ATOM	238	O1P	A A	8	-19.227	-62.818	84.395	1.00	0.00	O
ATOM	239	O2P	A A	8	-18.214	-63.283	82.146	1.00	0.00	O
ATOM	240	P	A A	8	-18.155	-63.469	83.617	1.00	0.00	P

ATOM	241	H2	A A	8	-8.955	-61.477	83.577	1.00	0.00	H
ATOM	242	H8	A A	8	-15.168	-62.538	82.395	1.00	0.00	H
ATOM	243	H1'	A A	8	-13.104	-60.715	85.134	1.00	0.00	H
ATOM	244	H3'	A A	8	-16.984	-60.843	85.756	1.00	0.00	H
ATOM	245	H4'	A A	8	-15.515	-62.508	87.196	1.00	0.00	H
ATOM	246	H61	A A	8	-9.695	-63.433	79.596	1.00	0.00	H
ATOM	247	H62	A A	8	-11.464	-63.634	79.466	1.00	0.00	H
ATOM	248	H2'1	A A	8	-15.763	-60.909	83.690	1.00	0.00	H
ATOM	249	H2'2	A A	8	-15.028	-59.507	84.454	1.00	0.00	H
ATOM	250	H5'1	A A	8	-15.692	-64.340	85.369	1.00	0.00	H
ATOM	251	H5'2	A A	8	-17.164	-63.651	86.086	1.00	0.00	H
ATOM	252	C1'	C A	9	-10.732	-57.509	84.874	1.00	0.00	C
ATOM	253	N1	C A	9	-11.156	-58.079	83.565	1.00	0.00	N
ATOM	254	C2	C A	9	-10.163	-58.422	82.649	1.00	0.00	C
ATOM	255	O2	C A	9	-8.979	-58.239	82.958	1.00	0.00	O
ATOM	256	N3	C A	9	-10.528	-58.940	81.453	1.00	0.00	N
ATOM	257	C4	C A	9	-11.819	-59.124	81.146	1.00	0.00	C
ATOM	258	N4	C A	9	-12.120	-59.639	79.962	1.00	0.00	N
ATOM	259	C5	C A	9	-12.863	-58.778	82.066	1.00	0.00	C
ATOM	260	C6	C A	9	-12.472	-58.261	83.268	1.00	0.00	C
ATOM	261	C2'	C A	9	-11.648	-56.408	85.389	1.00	0.00	C
ATOM	262	C3'	C A	9	-11.620	-56.650	86.891	1.00	0.00	C
ATOM	263	O3'	C A	9	-10.478	-56.004	87.448	1.00	0.00	O
ATOM	264	C4'	C A	9	-11.528	-58.170	86.989	1.00	0.00	C
ATOM	265	O4'	C A	9	-10.737	-58.561	85.821	1.00	0.00	O
ATOM	266	C5'	C A	9	-12.837	-58.925	86.959	1.00	0.00	C
ATOM	267	O5'	C A	9	-13.760	-58.268	86.052	1.00	0.00	O
ATOM	268	O1P	C A	9	-15.584	-57.441	87.577	1.00	0.00	O
ATOM	269	O2P	C A	9	-16.097	-57.964	85.177	1.00	0.00	O
ATOM	270	P	C A	9	-15.317	-58.287	86.397	1.00	0.00	P
ATOM	271	H5	C A	9	-13.915	-58.920	81.819	1.00	0.00	H
ATOM	272	H6	C A	9	-13.228	-57.989	84.005	1.00	0.00	H
ATOM	273	H1'	C A	9	-9.708	-57.153	84.774	1.00	0.00	H
ATOM	274	H3'	C A	9	-12.520	-56.277	87.380	1.00	0.00	H
ATOM	275	H4'	C A	9	-11.036	-58.398	87.933	1.00	0.00	H
ATOM	276	H41	C A	9	-13.105	-59.793	79.703	1.00	0.00	H
ATOM	277	H42	C A	9	-11.368	-59.885	79.301	1.00	0.00	H
ATOM	278	H2'1	C A	9	-12.659	-56.490	84.993	1.00	0.00	H
ATOM	279	H2'2	C A	9	-11.277	-55.413	85.139	1.00	0.00	H
ATOM	280	H5'1	C A	9	-12.655	-59.947	86.623	1.00	0.00	H
ATOM	281	H5'2	C A	9	-13.260	-58.948	87.962	1.00	0.00	H
ATOM	282	C1'	C A	10	-7.087	-54.657	83.112	1.00	0.00	C
ATOM	283	N1	C A	10	-8.268	-54.983	82.266	1.00	0.00	N
ATOM	284	C2	C A	10	-8.034	-55.497	80.992	1.00	0.00	C
ATOM	285	O2	C A	10	-6.865	-55.661	80.617	1.00	0.00	O
ATOM	286	N3	C A	10	-9.095	-55.801	80.205	1.00	0.00	N
ATOM	287	C4	C A	10	-10.350	-55.613	80.636	1.00	0.00	C
ATOM	288	N4	C A	10	-11.350	-55.930	79.827	1.00	0.00	N
ATOM	289	C5	C A	10	-10.619	-55.081	81.941	1.00	0.00	C
ATOM	290	C6	C A	10	-9.535	-54.787	82.718	1.00	0.00	C
ATOM	291	C2'	C A	10	-7.264	-53.400	83.952	1.00	0.00	C
ATOM	292	C3'	C A	10	-6.520	-53.765	85.228	1.00	0.00	C
ATOM	293	O3'	C A	10	-5.132	-53.491	85.054	1.00	0.00	O
ATOM	294	C4'	C A	10	-6.801	-55.258	85.370	1.00	0.00	C

ATOM	295	O4'	C	A	10	-6.875	-55.745	83.992	1.00	0.00	O
ATOM	296	C5'	C	A	10	-8.078	-55.637	86.084	1.00	0.00	C
ATOM	297	O5'	C	A	10	-9.123	-54.688	85.756	1.00	0.00	O
ATOM	298	O1P	C	A	10	-9.579	-53.539	87.949	1.00	0.00	O
ATOM	299	O2P	C	A	10	-11.389	-53.707	86.220	1.00	0.00	O
ATOM	300	P	C	A	10	-10.207	-54.324	86.868	1.00	0.00	P
ATOM	301	H5	C	A	10	-11.639	-54.921	82.295	1.00	0.00	H
ATOM	302	H6	C	A	10	-9.690	-54.389	83.720	1.00	0.00	H
ATOM	303	H1'	C	A	10	-6.216	-54.575	82.464	1.00	0.00	H
ATOM	304	H3'	C	A	10	-6.892	-53.210	86.090	1.00	0.00	H
ATOM	305	H4'	C	A	10	-5.968	-55.685	85.929	1.00	0.00	H
ATOM	306	H41	C	A	10	-12.324	-55.796	80.135	1.00	0.00	H
ATOM	307	H42	C	A	10	-11.153	-56.309	78.889	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-8.312	-53.180	84.155	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-6.829	-52.520	83.476	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-8.378	-56.639	85.776	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-7.900	-55.632	87.159	1.00	0.00	H
ATOM	312	C1'	T	A	11	-4.286	-52.721	79.520	1.00	0.00	C
ATOM	313	N1	T	A	11	-5.769	-52.661	79.424	1.00	0.00	N
ATOM	314	C2	T	A	11	-6.343	-53.112	78.253	1.00	0.00	C
ATOM	315	O2	T	A	11	-5.688	-53.547	77.320	1.00	0.00	O
ATOM	316	N3	T	A	11	-7.724	-53.040	78.205	1.00	0.00	N
ATOM	317	C4	T	A	11	-8.555	-52.565	79.199	1.00	0.00	C
ATOM	318	O4	T	A	11	-9.782	-52.545	79.041	1.00	0.00	O
ATOM	319	C5	T	A	11	-7.863	-52.115	80.385	1.00	0.00	C
ATOM	320	C6	T	A	11	-6.520	-52.172	80.465	1.00	0.00	C
ATOM	321	C7	T	A	11	-8.730	-51.593	81.491	1.00	0.00	C
ATOM	322	C2'	T	A	11	-3.669	-51.533	80.248	1.00	0.00	C
ATOM	323	C3'	T	A	11	-2.504	-52.179	80.980	1.00	0.00	C
ATOM	324	O3'	T	A	11	-1.384	-52.260	80.100	1.00	0.00	O
ATOM	325	C4'	T	A	11	-3.053	-53.555	81.344	1.00	0.00	C
ATOM	326	O4'	T	A	11	-3.946	-53.893	80.235	1.00	0.00	O
ATOM	327	C5'	T	A	11	-3.830	-53.649	82.636	1.00	0.00	C
ATOM	328	O5'	T	A	11	-4.605	-52.439	82.830	1.00	0.00	O
ATOM	329	O1P	T	A	11	-3.555	-51.394	84.863	1.00	0.00	O
ATOM	330	O2P	T	A	11	-5.963	-50.946	84.326	1.00	0.00	O
ATOM	331	P	T	A	11	-4.826	-51.899	84.313	1.00	0.00	P
ATOM	332	H3	T	A	11	-8.176	-53.374	77.344	1.00	0.00	H
ATOM	333	H6	T	A	11	-6.019	-51.828	81.370	1.00	0.00	H
ATOM	334	H1'	T	A	11	-3.881	-52.814	78.512	1.00	0.00	H
ATOM	335	H3'	T	A	11	-2.221	-51.619	81.871	1.00	0.00	H
ATOM	336	H4'	T	A	11	-2.198	-54.229	81.421	1.00	0.00	H
ATOM	337	H71	T	A	11	-8.537	-50.529	81.634	1.00	0.00	H
ATOM	338	H72	T	A	11	-9.779	-51.740	81.232	1.00	0.00	H
ATOM	339	H73	T	A	11	-8.506	-52.130	82.414	1.00	0.00	H
ATOM	340	H2'1	T	A	11	-4.366	-51.068	80.943	1.00	0.00	H
ATOM	341	H2'2	T	A	11	-3.327	-50.759	79.560	1.00	0.00	H
ATOM	342	H5'1	T	A	11	-4.496	-54.511	82.593	1.00	0.00	H
ATOM	343	H5'2	T	A	11	-3.133	-53.777	83.464	1.00	0.00	H
ATOM	344	C1'	A	A	12	-3.397	-51.306	74.847	1.00	0.00	C
ATOM	345	N1	A	A	12	-8.506	-50.900	74.587	1.00	0.00	N
ATOM	346	C2	A	A	12	-7.599	-51.387	73.746	1.00	0.00	C
ATOM	347	N3	A	A	12	-6.291	-51.464	73.877	1.00	0.00	N
ATOM	348	C4	A	A	12	-5.912	-50.947	75.059	1.00	0.00	C

ATOM	349	C5	A	A	12	-6.711	-50.410	76.028	1.00	0.00	C
ATOM	350	C6	A	A	12	-8.097	-50.393	75.760	1.00	0.00	C
ATOM	351	N6	A	A	12	-9.003	-49.896	76.618	1.00	0.00	N
ATOM	352	N7	A	A	12	-5.965	-49.980	77.110	1.00	0.00	N
ATOM	353	C8	A	A	12	-4.740	-50.258	76.776	1.00	0.00	C
ATOM	354	N9	A	A	12	-4.630	-50.850	75.543	1.00	0.00	N
ATOM	355	C2'	A	A	12	-2.200	-50.388	75.057	1.00	0.00	C
ATOM	356	C3'	A	A	12	-1.046	-51.378	75.108	1.00	0.00	C
ATOM	357	O3'	A	A	12	-0.626	-51.673	73.777	1.00	0.00	O
ATOM	358	C4'	A	A	12	-1.668	-52.591	75.799	1.00	0.00	C
ATOM	359	O4'	A	A	12	-3.062	-52.583	75.354	1.00	0.00	O
ATOM	360	C5'	A	A	12	-1.641	-52.588	77.308	1.00	0.00	C
ATOM	361	O5'	A	A	12	-1.843	-51.239	77.801	1.00	0.00	O
ATOM	362	O1P	A	A	12	0.354	-50.685	78.898	1.00	0.00	O
ATOM	363	O2P	A	A	12	-1.756	-49.578	79.684	1.00	0.00	O
ATOM	364	P	A	A	12	-1.098	-50.790	79.137	1.00	0.00	P
ATOM	365	H2	A	A	12	-7.996	-51.780	72.810	1.00	0.00	H
ATOM	366	H8	A	A	12	-3.881	-50.044	77.413	1.00	0.00	H
ATOM	367	H1'	A	A	12	-3.623	-51.414	73.787	1.00	0.00	H
ATOM	368	H3'	A	A	12	-0.200	-50.992	75.676	1.00	0.00	H
ATOM	369	H4'	A	A	12	-1.115	-53.466	75.458	1.00	0.00	H
ATOM	370	H61	A	A	12	-10.004	-49.909	76.374	1.00	0.00	H
ATOM	371	H62	A	A	12	-8.697	-49.502	77.520	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-2.272	-49.819	75.984	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-2.076	-49.675	74.243	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-2.434	-53.237	77.680	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-0.679	-52.964	77.650	1.00	0.00	H
ATOM	376	C1'	G	A	13	-4.769	-49.785	70.325	1.00	0.00	C
ATOM	377	N1	G	A	13	-8.890	-48.031	72.766	1.00	0.00	N
ATOM	378	C2	G	A	13	-8.790	-48.690	71.555	1.00	0.00	C
ATOM	379	N2	G	A	13	-9.941	-48.909	70.905	1.00	0.00	N
ATOM	380	N3	G	A	13	-7.635	-49.098	71.032	1.00	0.00	N
ATOM	381	C4	G	A	13	-6.573	-48.785	71.820	1.00	0.00	C
ATOM	382	C5	G	A	13	-6.576	-48.128	73.039	1.00	0.00	C
ATOM	383	C6	G	A	13	-7.803	-47.699	73.596	1.00	0.00	C
ATOM	384	O6	G	A	13	-8.008	-47.104	74.656	1.00	0.00	O
ATOM	385	N7	G	A	13	-5.274	-48.003	73.524	1.00	0.00	N
ATOM	386	C8	G	A	13	-4.538	-48.577	72.608	1.00	0.00	C
ATOM	387	N9	G	A	13	-5.256	-49.078	71.540	1.00	0.00	N
ATOM	388	C2'	G	A	13	-3.451	-49.246	69.788	1.00	0.00	C
ATOM	389	C3'	G	A	13	-2.773	-50.509	69.283	1.00	0.00	C
ATOM	390	O3'	G	A	13	-3.231	-50.790	67.962	1.00	0.00	O
ATOM	391	C4'	G	A	13	-3.229	-51.565	70.289	1.00	0.00	C
ATOM	392	O4'	G	A	13	-4.579	-51.145	70.664	1.00	0.00	O
ATOM	393	C5'	G	A	13	-2.398	-51.700	71.542	1.00	0.00	C
ATOM	394	O5'	G	A	13	-1.927	-50.396	71.962	1.00	0.00	O
ATOM	395	O1P	G	A	13	0.567	-50.552	71.661	1.00	0.00	O
ATOM	396	O2P	G	A	13	-0.394	-48.990	73.372	1.00	0.00	O
ATOM	397	P	G	A	13	-0.492	-50.283	72.651	1.00	0.00	P
ATOM	398	H1	G	A	13	-9.834	-47.762	73.085	1.00	0.00	H
ATOM	399	H8	G	A	13	-3.454	-48.656	72.679	1.00	0.00	H
ATOM	400	H1'	G	A	13	-5.550	-49.735	69.565	1.00	0.00	H
ATOM	401	H21	G	A	13	-10.832	-48.593	71.317	1.00	0.00	H
ATOM	402	H3'	G	A	13	-1.687	-50.416	69.276	1.00	0.00	H

ATOM	403	H22	G	A	13	-9.934	-49.392	69.997	1.00	0.00	H
ATOM	404	H4'	G	A	13	-3.211	-52.524	69.771	1.00	0.00	H
ATOM	405	H2'1	G	A	13	-2.856	-48.760	70.562	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-3.595	-48.524	68.985	1.00	0.00	H
ATOM	407	H5'1	G	A	13	-3.008	-52.144	72.329	1.00	0.00	H
ATOM	408	H5'2	G	A	13	-1.549	-52.352	71.340	1.00	0.00	H
ATOM	409	C1'	G	A	14	-7.820	-47.591	67.098	1.00	0.00	C
ATOM	410	N1	G	A	14	-9.406	-45.023	71.211	1.00	0.00	N
ATOM	411	C2	G	A	14	-10.136	-45.582	70.177	1.00	0.00	C
ATOM	412	N2	G	A	14	-11.465	-45.436	70.246	1.00	0.00	N
ATOM	413	N3	G	A	14	-9.584	-46.235	69.155	1.00	0.00	N
ATOM	414	C4	G	A	14	-8.230	-46.280	69.244	1.00	0.00	C
ATOM	415	C5	G	A	14	-7.419	-45.748	70.233	1.00	0.00	C
ATOM	416	C6	G	A	14	-8.003	-45.060	71.319	1.00	0.00	C
ATOM	417	O6	G	A	14	-7.458	-44.522	72.283	1.00	0.00	O
ATOM	418	N7	G	A	14	-6.076	-46.013	69.949	1.00	0.00	N
ATOM	419	C8	G	A	14	-6.115	-46.682	68.827	1.00	0.00	C
ATOM	420	N9	G	A	14	-7.388	-46.883	68.336	1.00	0.00	N
ATOM	421	C2'	G	A	14	-6.889	-47.376	65.913	1.00	0.00	C
ATOM	422	C3'	G	A	14	-6.943	-48.726	65.216	1.00	0.00	C
ATOM	423	O3'	G	A	14	-8.079	-48.765	64.357	1.00	0.00	O
ATOM	424	C4'	G	A	14	-7.067	-49.705	66.384	1.00	0.00	C
ATOM	425	O4'	G	A	14	-7.850	-48.976	67.383	1.00	0.00	O
ATOM	426	C5'	G	A	14	-5.774	-50.157	67.020	1.00	0.00	C
ATOM	427	O5'	G	A	14	-4.825	-49.063	67.035	1.00	0.00	O
ATOM	428	O1P	G	A	14	-3.007	-49.844	65.481	1.00	0.00	O
ATOM	429	O2P	G	A	14	-2.471	-48.233	67.327	1.00	0.00	O
ATOM	430	P	G	A	14	-3.275	-49.389	66.858	1.00	0.00	P
ATOM	431	H1	G	A	14	-9.932	-44.544	71.959	1.00	0.00	H
ATOM	432	H8	G	A	14	-5.220	-47.048	68.324	1.00	0.00	H
ATOM	433	H1'	G	A	14	-8.835	-47.274	66.861	1.00	0.00	H
ATOM	434	H21	G	A	14	-11.885	-44.933	71.042	1.00	0.00	H
ATOM	435	H3'	G	A	14	-6.042	-48.922	64.634	1.00	0.00	H
ATOM	436	H22	G	A	14	-12.065	-45.827	69.507	1.00	0.00	H
ATOM	437	H4'	G	A	14	-7.579	-50.588	66.004	1.00	0.00	H
ATOM	438	H2'1	G	A	14	-5.873	-47.129	66.222	1.00	0.00	H
ATOM	439	H2'2	G	A	14	-7.234	-46.576	65.255	1.00	0.00	H
ATOM	440	H5'1	G	A	14	-5.974	-50.488	68.039	1.00	0.00	H
ATOM	441	H5'2	G	A	14	-5.367	-50.991	66.447	1.00	0.00	H
ATOM	442	C1'	A	A	15	-11.391	-44.424	65.790	1.00	0.00	C
ATOM	443	N1	A	A	15	-9.853	-41.860	69.961	1.00	0.00	N
ATOM	444	C2	A	A	15	-11.058	-42.142	69.473	1.00	0.00	C
ATOM	445	N3	A	A	15	-11.385	-42.813	68.390	1.00	0.00	N
ATOM	446	C4	A	A	15	-10.277	-43.228	67.747	1.00	0.00	C
ATOM	447	C5	A	A	15	-8.977	-43.021	68.112	1.00	0.00	C
ATOM	448	C6	A	A	15	-8.767	-42.288	69.298	1.00	0.00	C
ATOM	449	N6	A	A	15	-7.545	-42.006	69.781	1.00	0.00	N
ATOM	450	N7	A	A	15	-8.105	-43.597	67.205	1.00	0.00	N
ATOM	451	C8	A	A	15	-8.889	-44.132	66.316	1.00	0.00	C
ATOM	452	N9	A	A	15	-10.223	-43.950	66.580	1.00	0.00	N
ATOM	453	C2'	A	A	15	-11.180	-44.362	64.283	1.00	0.00	C
ATOM	454	C3'	A	A	15	-11.931	-45.595	63.806	1.00	0.00	C
ATOM	455	O3'	A	A	15	-13.310	-45.271	63.657	1.00	0.00	O
ATOM	456	C4'	A	A	15	-11.692	-46.597	64.934	1.00	0.00	C

ATOM	457	O4'	A	A	15	-11.632	-45.772	66.142	1.00	0.00	O
ATOM	458	C5'	A	A	15	-10.426	-47.417	64.846	1.00	0.00	C
ATOM	459	O5'	A	A	15	-9.354	-46.607	64.300	1.00	0.00	O
ATOM	460	O1P	A	A	15	-8.863	-47.705	62.089	1.00	0.00	O
ATOM	461	O2P	A	A	15	-7.060	-46.437	63.287	1.00	0.00	O
ATOM	462	P	A	A	15	-8.259	-47.306	63.376	1.00	0.00	P
ATOM	463	H2	A	A	15	-11.897	-41.763	70.057	1.00	0.00	H
ATOM	464	H8	A	A	15	-8.523	-44.673	65.444	1.00	0.00	H
ATOM	465	H1'	A	A	15	-12.261	-43.839	66.086	1.00	0.00	H
ATOM	466	H3'	A	A	15	-11.543	-45.969	62.858	1.00	0.00	H
ATOM	467	H4'	A	A	15	-12.536	-47.285	64.930	1.00	0.00	H
ATOM	468	H61	A	A	15	-7.448	-41.469	70.654	1.00	0.00	H
ATOM	469	H62	A	A	15	-6.706	-42.330	69.276	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-10.124	-44.410	64.012	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-11.589	-43.452	63.844	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-10.155	-47.763	65.843	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-10.601	-48.277	64.202	1.00	0.00	H
ATOM	474	C1'	C	A	16	-14.106	-40.306	66.373	1.00	0.00	C
ATOM	475	N1	C	A	16	-12.619	-40.235	66.377	1.00	0.00	N
ATOM	476	C2	C	A	16	-12.000	-39.575	67.436	1.00	0.00	C
ATOM	477	O2	C	A	16	-12.706	-39.078	68.323	1.00	0.00	O
ATOM	478	N3	C	A	16	-10.647	-39.498	67.459	1.00	0.00	N
ATOM	479	C4	C	A	16	-9.911	-40.046	66.484	1.00	0.00	C
ATOM	480	N4	C	A	16	-8.592	-39.944	66.559	1.00	0.00	N
ATOM	481	C5	C	A	16	-10.519	-40.728	65.379	1.00	0.00	C
ATOM	482	C6	C	A	16	-11.884	-40.796	65.379	1.00	0.00	C
ATOM	483	C2'	C	A	16	-14.723	-40.168	64.988	1.00	0.00	C
ATOM	484	C3'	C	A	16	-15.916	-41.109	65.077	1.00	0.00	C
ATOM	485	O3'	C	A	16	-17.013	-40.419	65.667	1.00	0.00	O
ATOM	486	C4'	C	A	16	-15.393	-42.235	65.967	1.00	0.00	C
ATOM	487	O4'	C	A	16	-14.477	-41.569	66.894	1.00	0.00	O
ATOM	488	C5'	C	A	16	-14.648	-43.351	65.270	1.00	0.00	C
ATOM	489	O5'	C	A	16	-13.863	-42.809	64.179	1.00	0.00	O
ATOM	490	O1P	C	A	16	-14.948	-43.795	62.133	1.00	0.00	O
ATOM	491	O2P	C	A	16	-12.521	-43.165	62.085	1.00	0.00	O
ATOM	492	P	C	A	16	-13.669	-43.688	62.863	1.00	0.00	P
ATOM	493	H5	C	A	16	-9.924	-41.169	64.579	1.00	0.00	H
ATOM	494	H6	C	A	16	-12.393	-41.312	64.564	1.00	0.00	H
ATOM	495	H1'	C	A	16	-14.487	-39.540	67.049	1.00	0.00	H
ATOM	496	H3'	C	A	16	-16.210	-41.486	64.096	1.00	0.00	H
ATOM	497	H4'	C	A	16	-16.259	-42.673	66.463	1.00	0.00	H
ATOM	498	H41	C	A	16	-8.002	-40.359	65.822	1.00	0.00	H
ATOM	499	H42	C	A	16	-8.156	-39.452	67.351	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-14.037	-40.471	64.197	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-15.039	-39.146	64.775	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-13.994	-43.845	65.988	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-15.367	-44.073	64.883	1.00	0.00	H
ATOM	504	C1'	G	A	17	-14.912	-35.695	67.985	1.00	0.00	C
ATOM	505	N1	G	A	17	-9.824	-35.359	67.840	1.00	0.00	N
ATOM	506	C2	G	A	17	-10.717	-34.911	68.798	1.00	0.00	C
ATOM	507	N2	G	A	17	-10.182	-34.287	69.856	1.00	0.00	N
ATOM	508	N3	G	A	17	-12.035	-35.071	68.706	1.00	0.00	N
ATOM	509	C4	G	A	17	-12.400	-35.715	67.567	1.00	0.00	C
ATOM	510	C5	G	A	17	-11.583	-36.194	66.556	1.00	0.00	C

ATOM	511	C6	G A	17	-10.181	-36.029	66.654	1.00	0.00	C
ATOM	512	O6	G A	17	-9.301	-36.380	65.869	1.00	0.00	O
ATOM	513	N7	G A	17	-12.352	-36.794	65.556	1.00	0.00	N
ATOM	514	C8	G A	17	-13.581	-36.666	65.985	1.00	0.00	C
ATOM	515	N9	G A	17	-13.692	-36.020	67.199	1.00	0.00	N
ATOM	516	C2'	G A	17	-16.104	-35.287	67.130	1.00	0.00	C
ATOM	517	C3'	G A	17	-17.269	-35.881	67.903	1.00	0.00	C
ATOM	518	O3'	G A	17	-17.659	-34.976	68.932	1.00	0.00	O
ATOM	519	C4'	G A	17	-16.679	-37.174	68.464	1.00	0.00	C
ATOM	520	O4'	G A	17	-15.275	-36.851	68.716	1.00	0.00	O
ATOM	521	C5'	G A	17	-16.744	-38.387	67.565	1.00	0.00	C
ATOM	522	O5'	G A	17	-16.539	-37.987	66.187	1.00	0.00	O
ATOM	523	O1P	G A	17	-18.757	-38.481	65.104	1.00	0.00	O
ATOM	524	O2P	G A	17	-16.655	-38.514	63.734	1.00	0.00	O
ATOM	525	P	G A	17	-17.313	-38.776	65.037	1.00	0.00	P
ATOM	526	H1	G A	17	-8.821	-35.191	68.009	1.00	0.00	H
ATOM	527	H8	G A	17	-14.443	-37.036	65.429	1.00	0.00	H
ATOM	528	H1'	G A	17	-14.659	-34.912	68.700	1.00	0.00	H
ATOM	529	H21	G A	17	-9.161	-34.170	69.921	1.00	0.00	H
ATOM	530	H3'	G A	17	-18.125	-36.087	67.259	1.00	0.00	H
ATOM	531	H22	G A	17	-10.793	-33.927	70.603	1.00	0.00	H
ATOM	532	H4'	G A	17	-17.232	-37.405	69.375	1.00	0.00	H
ATOM	533	H2'1	G A	17	-16.047	-35.695	66.120	1.00	0.00	H
ATOM	534	H2'2	G A	17	-16.198	-34.204	67.040	1.00	0.00	H
ATOM	535	H5'1	G A	17	-15.970	-39.094	67.863	1.00	0.00	H
ATOM	536	H5'2	G A	17	-17.720	-38.860	67.672	1.00	0.00	H
ATOM	537	C1'	G A	18	-13.490	-31.184	69.452	1.00	0.00	C
ATOM	538	N1	G A	18	-9.359	-32.189	66.632	1.00	0.00	N
ATOM	539	C2	G A	18	-9.460	-31.602	67.881	1.00	0.00	C
ATOM	540	N2	G A	18	-8.307	-31.231	68.454	1.00	0.00	N
ATOM	541	N3	G A	18	-10.618	-31.402	68.508	1.00	0.00	N
ATOM	542	C4	G A	18	-11.681	-31.829	67.779	1.00	0.00	C
ATOM	543	C5	G A	18	-11.677	-32.421	66.525	1.00	0.00	C
ATOM	544	C6	G A	18	-10.447	-32.639	65.861	1.00	0.00	C
ATOM	545	O6	G A	18	-10.242	-33.143	64.756	1.00	0.00	O
ATOM	546	N7	G A	18	-12.982	-32.712	66.124	1.00	0.00	N
ATOM	547	C8	G A	18	-13.719	-32.302	67.124	1.00	0.00	C
ATOM	548	N9	G A	18	-13.001	-31.752	68.166	1.00	0.00	N
ATOM	549	C2'	G A	18	-14.792	-30.407	69.325	1.00	0.00	C
ATOM	550	C3'	G A	18	-15.489	-30.736	70.633	1.00	0.00	C
ATOM	551	O3'	G A	18	-15.024	-29.848	71.648	1.00	0.00	O
ATOM	552	C4'	G A	18	-15.064	-32.181	70.892	1.00	0.00	C
ATOM	553	O4'	G A	18	-13.709	-32.260	70.344	1.00	0.00	O
ATOM	554	C5'	G A	18	-15.909	-33.254	70.249	1.00	0.00	C
ATOM	555	O5'	G A	18	-16.359	-32.809	68.945	1.00	0.00	O
ATOM	556	O1P	G A	18	-18.853	-32.610	69.226	1.00	0.00	O
ATOM	557	O2P	G A	18	-17.879	-33.081	66.963	1.00	0.00	O
ATOM	558	P	G A	18	-17.798	-33.269	68.431	1.00	0.00	P
ATOM	559	H1	G A	18	-8.413	-32.305	66.236	1.00	0.00	H
ATOM	560	H8	G A	18	-14.806	-32.384	67.134	1.00	0.00	H
ATOM	561	H1'	G A	18	-12.701	-30.558	69.869	1.00	0.00	H
ATOM	562	H21	G A	18	-7.415	-31.393	67.963	1.00	0.00	H
ATOM	563	H3'	G A	18	-16.574	-30.654	70.552	1.00	0.00	H
ATOM	564	H22	G A	18	-8.314	-30.787	69.382	1.00	0.00	H

ATOM	565	H4'	G A	18	-15.095	-32.332	71.970	1.00	0.00	H
ATOM	566	H2'1	G A	18	-15.384	-30.730	68.468	1.00	0.00	H
ATOM	567	H2'2	G A	18	-14.626	-29.334	69.220	1.00	0.00	H
ATOM	568	H5'1	G A	18	-15.316	-34.162	70.145	1.00	0.00	H
ATOM	569	H5'2	G A	18	-16.769	-33.460	70.885	1.00	0.00	H
ATOM	570	C1'	T A	19	-10.380	-27.338	69.648	1.00	0.00	C
ATOM	571	N1	T A	19	-10.781	-27.906	68.334	1.00	0.00	N
ATOM	572	C2	T A	19	-9.771	-28.230	67.452	1.00	0.00	C
ATOM	573	O2	T A	19	-8.591	-28.069	67.712	1.00	0.00	O
ATOM	574	N3	T A	19	-10.189	-28.756	66.244	1.00	0.00	N
ATOM	575	C4	T A	19	-11.491	-28.977	65.850	1.00	0.00	C
ATOM	576	O4	T A	19	-11.744	-29.452	64.737	1.00	0.00	O
ATOM	577	C5	T A	19	-12.478	-28.607	66.837	1.00	0.00	C
ATOM	578	C6	T A	19	-12.107	-28.092	68.027	1.00	0.00	C
ATOM	579	C7	T A	19	-13.910	-28.831	66.452	1.00	0.00	C
ATOM	580	C2'	T A	19	-11.311	-26.243	70.154	1.00	0.00	C
ATOM	581	C3'	T A	19	-11.301	-26.486	71.655	1.00	0.00	C
ATOM	582	O3'	T A	19	-10.171	-25.834	72.229	1.00	0.00	O
ATOM	583	C4'	T A	19	-11.200	-28.006	71.750	1.00	0.00	C
ATOM	584	O4'	T A	19	-10.390	-28.388	70.595	1.00	0.00	O
ATOM	585	C5'	T A	19	-12.503	-28.771	71.703	1.00	0.00	C
ATOM	586	O5'	T A	19	-13.418	-28.121	70.786	1.00	0.00	O
ATOM	587	O1P	T A	19	-15.267	-27.308	72.287	1.00	0.00	O
ATOM	588	O2P	T A	19	-15.744	-27.830	69.879	1.00	0.00	O
ATOM	589	P	T A	19	-14.980	-28.151	71.108	1.00	0.00	P
ATOM	590	H3	T A	19	-9.452	-29.010	65.570	1.00	0.00	H
ATOM	591	H6	T A	19	-12.870	-27.821	68.756	1.00	0.00	H
ATOM	592	H1'	T A	19	-9.356	-26.971	69.563	1.00	0.00	H
ATOM	593	H3'	T A	19	-12.211	-26.121	72.132	1.00	0.00	H
ATOM	594	H4'	T A	19	-10.718	-28.232	72.703	1.00	0.00	H
ATOM	595	H71	T A	19	-14.420	-27.872	66.373	1.00	0.00	H
ATOM	596	H72	T A	19	-13.951	-29.345	65.491	1.00	0.00	H
ATOM	597	H73	T A	19	-14.401	-29.442	67.211	1.00	0.00	H
ATOM	598	H2'1	T A	19	-12.315	-26.333	69.743	1.00	0.00	H
ATOM	599	H2'2	T A	19	-10.946	-25.244	69.911	1.00	0.00	H
ATOM	600	H5'1	T A	19	-12.309	-29.790	71.368	1.00	0.00	H
ATOM	601	H5'2	T A	19	-12.939	-28.799	72.699	1.00	0.00	H
ATOM	602	C01	LNK A	20	-9.674	-22.289	73.252	0.00	0.00	C
ATOM	603	O1	LNK A	20	-10.461	-23.331	72.670	1.00	0.00	O
ATOM	604	S	LNK A	20	-9.872	-18.361	73.869	0.00	0.00	S
ATOM	605	C02	LNK A	20	-10.429	-20.951	73.135	0.00	0.00	C
ATOM	606	C03	LNK A	20	-9.422	-19.815	72.870	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-10.590	-24.109	70.279	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-8.364	-23.936	71.426	1.00	0.00	O
ATOM	609	P	LNK A	20	-9.814	-24.236	71.528	1.00	0.00	P
ATOM	610	H01	LNK A	20	-8.721	-22.215	72.728	0.00	0.00	H
ATOM	611	H02	LNK A	20	-9.494	-22.513	74.304	0.00	0.00	H
ATOM	612	H03	LNK A	20	-9.443	-19.550	71.813	0.00	0.00	H
ATOM	613	H04	LNK A	20	-10.965	-20.753	74.063	0.00	0.00	H
ATOM	614	H05	LNK A	20	-11.139	-21.006	72.310	0.00	0.00	H
ATOM	615	H06	LNK A	20	-8.420	-20.147	73.142	0.00	0.00	H
ATOM	616	AU	LNK A	20	-9.489	-17.825	73.679	0.00	0.00	H
TER										
ATOM	618	C1'	A B	2	-3.972	-30.518	61.419	1.00	0.00	C

ATOM	619	N1	A B	2	-8.094	-29.485	64.297	1.00	0.00	N
ATOM	620	C2	A B	2	-6.790	-29.344	64.513	1.00	0.00	C
ATOM	621	N3	A B	2	-5.777	-29.628	63.724	1.00	0.00	N
ATOM	622	C4	A B	2	-6.221	-30.133	62.558	1.00	0.00	C
ATOM	623	C5	A B	2	-7.518	-30.339	62.183	1.00	0.00	C
ATOM	624	C6	A B	2	-8.508	-29.988	63.125	1.00	0.00	C
ATOM	625	N6	A B	2	-9.825	-30.135	62.897	1.00	0.00	N
ATOM	626	N7	A B	2	-7.592	-30.872	60.907	1.00	0.00	N
ATOM	627	C8	A B	2	-6.348	-30.980	60.544	1.00	0.00	C
ATOM	628	N9	A B	2	-5.459	-30.547	61.493	1.00	0.00	N
ATOM	629	C2'	A B	2	-3.371	-31.716	60.696	1.00	0.00	C
ATOM	630	C3'	A B	2	-2.182	-31.092	59.984	1.00	0.00	C
ATOM	631	O3'	A B	2	-1.076	-31.038	60.882	1.00	0.00	O
ATOM	632	C4'	A B	2	-2.697	-29.701	59.617	1.00	0.00	C
ATOM	633	O4'	A B	2	-3.600	-29.349	60.714	1.00	0.00	O
ATOM	634	C5'	A B	2	-3.450	-29.586	58.313	1.00	0.00	C
ATOM	635	O5'	A B	2	-4.249	-30.778	58.102	1.00	0.00	O
ATOM	636	H2	A B	2	-6.521	-28.933	65.485	1.00	0.00	H
ATOM	637	H8	A B	2	-6.041	-31.376	59.575	1.00	0.00	H
ATOM	638	H1'	A B	2	-3.582	-30.438	62.434	1.00	0.00	H
ATOM	639	H3'	A B	2	-1.897	-31.653	59.095	1.00	0.00	H
ATOM	640	H4'	A B	2	-1.826	-29.048	59.558	1.00	0.00	H
ATOM	641	H61	A B	2	-10.506	-29.860	63.617	1.00	0.00	H
ATOM	642	H62	A B	2	-10.150	-30.523	61.999	1.00	0.00	H
ATOM	643	H2'1	A B	2	-4.067	-32.164	59.986	1.00	0.00	H
ATOM	644	H2'2	A B	2	-3.055	-32.499	61.385	1.00	0.00	H
ATOM	645	H5'1	A B	2	-4.099	-28.711	58.351	1.00	0.00	H
ATOM	646	H5'2	A B	2	-2.738	-29.470	57.498	1.00	0.00	H
ATOM	647	C1'	C B	3	-3.190	-31.947	66.110	1.00	0.00	C
ATOM	648	N1	C B	3	-4.412	-32.384	65.381	1.00	0.00	N
ATOM	649	C2	C B	3	-5.645	-32.191	66.000	1.00	0.00	C
ATOM	650	O2	C B	3	-5.674	-31.666	67.122	1.00	0.00	O
ATOM	651	N3	C B	3	-6.770	-32.582	65.354	1.00	0.00	N
ATOM	652	C4	C B	3	-6.707	-33.148	64.141	1.00	0.00	C
ATOM	653	N4	C B	3	-7.839	-33.508	63.553	1.00	0.00	N
ATOM	654	C5	C B	3	-5.452	-33.364	63.481	1.00	0.00	C
ATOM	655	C6	C B	3	-4.331	-32.957	64.149	1.00	0.00	C
ATOM	656	C2'	C B	3	-2.002	-32.881	65.932	1.00	0.00	C
ATOM	657	C3'	C B	3	-0.833	-31.909	65.910	1.00	0.00	C
ATOM	658	O3'	C B	3	-0.443	-31.617	67.250	1.00	0.00	O
ATOM	659	C4'	C B	3	-1.419	-30.689	65.201	1.00	0.00	C
ATOM	660	O4'	C B	3	-2.825	-30.675	65.610	1.00	0.00	O
ATOM	661	C5'	C B	3	-1.354	-30.695	63.692	1.00	0.00	C
ATOM	662	O5'	C B	3	-1.562	-32.042	63.198	1.00	0.00	O
ATOM	663	O1P	C B	3	0.654	-32.628	62.157	1.00	0.00	O
ATOM	664	O2P	C B	3	-1.452	-33.706	61.318	1.00	0.00	O
ATOM	665	P	C B	3	-0.792	-32.503	61.881	1.00	0.00	P
ATOM	666	H5	C B	3	-5.394	-33.830	62.497	1.00	0.00	H
ATOM	667	H6	C B	3	-3.354	-33.094	63.685	1.00	0.00	H
ATOM	668	H1'	C B	3	-3.443	-31.833	67.164	1.00	0.00	H
ATOM	669	H3'	C B	3	0.021	-32.308	65.364	1.00	0.00	H
ATOM	670	H4'	C B	3	-0.864	-29.820	65.554	1.00	0.00	H
ATOM	671	H41	C B	3	-7.818	-33.942	62.619	1.00	0.00	H
ATOM	672	H42	C B	3	-8.740	-33.354	64.030	1.00	0.00	H

ATOM	673	H2'1	C B	3	-2.059	-33.452	65.005	1.00	0.00	H
ATOM	674	H2'2	C B	3	-1.910	-33.594	66.751	1.00	0.00	H
ATOM	675	H5'1	C B	3	-2.129	-30.035	63.298	1.00	0.00	H
ATOM	676	H5'2	C B	3	-0.379	-30.332	63.375	1.00	0.00	H
ATOM	677	C1'	C B	4	-4.622	-33.444	70.608	1.00	0.00	C
ATOM	678	N1	C B	4	-5.112	-34.139	69.387	1.00	0.00	N
ATOM	679	C2	C B	4	-6.487	-34.326	69.250	1.00	0.00	C
ATOM	680	O2	C B	4	-7.239	-33.909	70.141	1.00	0.00	O
ATOM	681	N3	C B	4	-6.955	-34.956	68.147	1.00	0.00	N
ATOM	682	C4	C B	4	-6.117	-35.398	67.198	1.00	0.00	C
ATOM	683	N4	C B	4	-6.627	-36.004	66.137	1.00	0.00	N
ATOM	684	C5	C B	4	-4.698	-35.224	67.314	1.00	0.00	C
ATOM	685	C6	C B	4	-4.249	-34.581	68.433	1.00	0.00	C
ATOM	686	C2'	C B	4	-3.320	-34.013	71.157	1.00	0.00	C
ATOM	687	C3'	C B	4	-2.621	-32.763	71.670	1.00	0.00	C
ATOM	688	O3'	C B	4	-3.084	-32.474	72.986	1.00	0.00	O
ATOM	689	C4'	C B	4	-3.043	-31.698	70.661	1.00	0.00	C
ATOM	690	O4'	C B	4	-4.399	-32.088	70.270	1.00	0.00	O
ATOM	691	C5'	C B	4	-2.197	-31.581	69.414	1.00	0.00	C
ATOM	692	O5'	C B	4	-1.750	-32.895	68.998	1.00	0.00	O
ATOM	693	O1P	C B	4	0.743	-32.794	69.326	1.00	0.00	O
ATOM	694	O2P	C B	4	-0.235	-34.333	67.603	1.00	0.00	O
ATOM	695	P	C B	4	-0.313	-33.040	68.325	1.00	0.00	P
ATOM	696	H5	C B	4	-4.011	-35.587	66.549	1.00	0.00	H
ATOM	697	H6	C B	4	-3.180	-34.419	68.563	1.00	0.00	H
ATOM	698	H1'	C B	4	-5.410	-33.477	71.360	1.00	0.00	H
ATOM	699	H3'	C B	4	-1.537	-32.881	71.687	1.00	0.00	H
ATOM	700	H4'	C B	4	-3.008	-30.739	71.178	1.00	0.00	H
ATOM	701	H41	C B	4	-6.006	-36.351	65.391	1.00	0.00	H
ATOM	702	H42	C B	4	-7.649	-36.131	66.056	1.00	0.00	H
ATOM	703	H2'1	C B	4	-2.730	-34.510	70.389	1.00	0.00	H
ATOM	704	H2'2	C B	4	-3.489	-34.731	71.959	1.00	0.00	H
ATOM	705	H5'1	C B	4	-2.790	-31.125	68.621	1.00	0.00	H
ATOM	706	H5'2	C B	4	-1.335	-30.949	69.626	1.00	0.00	H
ATOM	707	C1'	G B	5	-7.750	-35.582	73.796	1.00	0.00	C
ATOM	708	N1	G B	5	-9.334	-38.118	69.663	1.00	0.00	N
ATOM	709	C2	G B	5	-10.067	-37.548	70.690	1.00	0.00	C
ATOM	710	N2	G B	5	-11.396	-37.672	70.604	1.00	0.00	N
ATOM	711	N3	G B	5	-9.514	-36.905	71.718	1.00	0.00	N
ATOM	712	C4	G B	5	-8.158	-36.883	71.645	1.00	0.00	C
ATOM	713	C5	G B	5	-7.346	-37.428	70.663	1.00	0.00	C
ATOM	714	C6	G B	5	-7.929	-38.106	69.570	1.00	0.00	C
ATOM	715	O6	G B	5	-7.381	-38.650	68.613	1.00	0.00	O
ATOM	716	N7	G B	5	-6.002	-37.187	70.962	1.00	0.00	N
ATOM	717	C8	G B	5	-6.041	-36.517	72.085	1.00	0.00	C
ATOM	718	N9	G B	5	-7.317	-36.295	72.564	1.00	0.00	N
ATOM	719	C2'	G B	5	-6.837	-35.815	74.992	1.00	0.00	C
ATOM	720	C3'	G B	5	-6.877	-34.464	75.689	1.00	0.00	C
ATOM	721	O3'	G B	5	-8.022	-34.406	76.536	1.00	0.00	O
ATOM	722	C4'	G B	5	-6.970	-33.482	74.522	1.00	0.00	C
ATOM	723	O4'	G B	5	-7.755	-34.196	73.514	1.00	0.00	O
ATOM	724	C5'	G B	5	-5.664	-33.049	73.901	1.00	0.00	C
ATOM	725	O5'	G B	5	-4.733	-34.160	73.894	1.00	0.00	O
ATOM	726	O1P	G B	5	-2.919	-33.412	75.471	1.00	0.00	O

ATOM	727	O2P	G B	5	-2.390	-35.029	73.628	1.00	0.00	O
ATOM	728	P	G B	5	-3.178	-33.861	74.090	1.00	0.00	P
ATOM	729	H1	G B	5	-9.859	-38.588	68.909	1.00	0.00	H
ATOM	730	H8	G B	5	-5.147	-36.168	72.600	1.00	0.00	H
ATOM	731	H1'	G B	5	-8.773	-35.881	74.021	1.00	0.00	H
ATOM	732	H21	G B	5	-11.817	-38.167	69.805	1.00	0.00	H
ATOM	733	H3'	G B	5	-5.979	-34.283	76.282	1.00	0.00	H
ATOM	734	H22	G B	5	-11.998	-37.272	71.339	1.00	0.00	H
ATOM	735	H4'	G B	5	-7.472	-32.590	74.897	1.00	0.00	H
ATOM	736	H2'1	G B	5	-5.822	-36.078	74.694	1.00	0.00	H
ATOM	737	H2'2	G B	5	-7.203	-36.608	75.644	1.00	0.00	H
ATOM	738	H5'1	G B	5	-5.847	-32.715	72.880	1.00	0.00	H
ATOM	739	H5'2	G B	5	-5.248	-32.225	74.480	1.00	0.00	H
ATOM	740	C1'	T B	6	-11.395	-38.684	75.061	1.00	0.00	C
ATOM	741	N1	T B	6	-10.227	-39.178	74.283	1.00	0.00	N
ATOM	742	C2	T B	6	-10.494	-39.890	73.131	1.00	0.00	C
ATOM	743	O2	T B	6	-11.626	-40.121	72.744	1.00	0.00	O
ATOM	744	N3	T B	6	-9.379	-40.330	72.439	1.00	0.00	N
ATOM	745	C4	T B	6	-8.061	-40.128	72.790	1.00	0.00	C
ATOM	746	O4	T B	6	-7.145	-40.574	72.091	1.00	0.00	O
ATOM	747	C5	T B	6	-7.884	-39.373	74.008	1.00	0.00	C
ATOM	748	C6	T B	6	-8.946	-38.928	74.707	1.00	0.00	C
ATOM	749	C7	T B	6	-6.464	-39.127	74.426	1.00	0.00	C
ATOM	750	C2'	T B	6	-11.199	-38.751	76.570	1.00	0.00	C
ATOM	751	C3'	T B	6	-11.932	-37.504	77.041	1.00	0.00	C
ATOM	752	O3'	T B	6	-13.321	-37.800	77.177	1.00	0.00	O
ATOM	753	C4'	T B	6	-11.661	-36.506	75.918	1.00	0.00	C
ATOM	754	O4'	T B	6	-11.606	-37.330	74.710	1.00	0.00	O
ATOM	755	C5'	T B	6	-10.381	-35.710	76.019	1.00	0.00	C
ATOM	756	O5'	T B	6	-9.331	-36.542	76.575	1.00	0.00	O
ATOM	757	O1P	T B	6	-8.844	-35.457	78.794	1.00	0.00	O
ATOM	758	O2P	T B	6	-7.053	-36.759	77.613	1.00	0.00	O
ATOM	759	P	T B	6	-8.233	-35.866	77.514	1.00	0.00	P
ATOM	760	H3	T B	6	-9.552	-40.862	71.574	1.00	0.00	H
ATOM	761	H6	T B	6	-8.785	-38.360	75.624	1.00	0.00	H
ATOM	762	H1'	T B	6	-12.274	-39.250	74.755	1.00	0.00	H
ATOM	763	H3'	T B	6	-11.547	-37.139	77.992	1.00	0.00	H
ATOM	764	H4'	T B	6	-12.492	-35.800	75.914	1.00	0.00	H
ATOM	765	H71	T B	6	-6.265	-39.649	75.361	1.00	0.00	H
ATOM	766	H72	T B	6	-5.788	-39.494	73.654	1.00	0.00	H
ATOM	767	H73	T B	6	-6.306	-38.057	74.567	1.00	0.00	H
ATOM	768	H2'1	T B	6	-10.149	-38.724	76.852	1.00	0.00	H
ATOM	769	H2'2	T B	6	-11.633	-39.653	77.004	1.00	0.00	H
ATOM	770	H5'1	T B	6	-10.092	-35.368	75.026	1.00	0.00	H
ATOM	771	H5'2	T B	6	-10.546	-34.847	76.662	1.00	0.00	H
ATOM	772	C1'	C B	7	-14.178	-42.750	74.446	1.00	0.00	C
ATOM	773	N1	C B	7	-12.691	-42.846	74.458	1.00	0.00	N
ATOM	774	C2	C B	7	-12.073	-43.519	73.406	1.00	0.00	C
ATOM	775	O2	C B	7	-12.777	-44.006	72.511	1.00	0.00	O
ATOM	776	N3	C B	7	-10.720	-43.618	73.399	1.00	0.00	N
ATOM	777	C4	C B	7	-9.986	-43.081	74.382	1.00	0.00	C
ATOM	778	N4	C B	7	-8.669	-43.206	74.322	1.00	0.00	N
ATOM	779	C5	C B	7	-10.595	-42.388	75.479	1.00	0.00	C
ATOM	780	C6	C B	7	-11.959	-42.297	75.462	1.00	0.00	C

ATOM	781	C2'	C B	7	-14.812	-42.876	75.823	1.00	0.00	C
ATOM	782	C3'	C B	7	-15.987	-41.916	75.719	1.00	0.00	C
ATOM	783	O3'	C B	7	-17.089	-42.589	75.116	1.00	0.00	O
ATOM	784	C4'	C B	7	-15.437	-40.800	74.835	1.00	0.00	C
ATOM	785	O4'	C B	7	-14.523	-41.482	73.920	1.00	0.00	O
ATOM	786	C5'	C B	7	-14.681	-39.695	75.538	1.00	0.00	C
ATOM	787	O5'	C B	7	-13.917	-40.249	76.638	1.00	0.00	O
ATOM	788	O1P	C B	7	-15.008	-39.242	78.671	1.00	0.00	O
ATOM	789	O2P	C B	7	-12.593	-39.914	78.747	1.00	0.00	O
ATOM	790	P	C B	7	-13.723	-39.372	77.957	1.00	0.00	P
ATOM	791	H5	C B	7	-10.001	-41.956	76.284	1.00	0.00	H
ATOM	792	H6	C B	7	-12.468	-41.772	76.271	1.00	0.00	H
ATOM	793	H1'	C B	7	-14.562	-43.511	73.766	1.00	0.00	H
ATOM	794	H3'	C B	7	-16.288	-41.532	76.696	1.00	0.00	H
ATOM	795	H4'	C B	7	-16.289	-40.347	74.329	1.00	0.00	H
ATOM	796	H41	C B	7	-8.080	-42.800	75.064	1.00	0.00	H
ATOM	797	H42	C B	7	-8.232	-43.707	73.534	1.00	0.00	H
ATOM	798	H2'1	C B	7	-14.130	-42.585	76.621	1.00	0.00	H
ATOM	799	H2'2	C B	7	-15.146	-43.893	76.033	1.00	0.00	H
ATOM	800	H5'1	C B	7	-14.009	-39.213	74.828	1.00	0.00	H
ATOM	801	H5'2	C B	7	-15.392	-38.962	75.916	1.00	0.00	H
ATOM	802	C1'	C B	8	-15.048	-47.347	72.821	1.00	0.00	C
ATOM	803	N1	C B	8	-13.828	-47.044	73.618	1.00	0.00	N
ATOM	804	C2	C B	8	-12.597	-47.452	73.107	1.00	0.00	C
ATOM	805	O2	C B	8	-12.569	-48.043	72.020	1.00	0.00	O
ATOM	806	N3	C B	8	-11.474	-47.185	73.816	1.00	0.00	N
ATOM	807	C4	C B	8	-11.537	-46.543	74.990	1.00	0.00	C
ATOM	808	N4	C B	8	-10.406	-46.306	75.640	1.00	0.00	N
ATOM	809	C5	C B	8	-12.789	-46.115	75.544	1.00	0.00	C
ATOM	810	C6	C B	8	-13.907	-46.391	74.808	1.00	0.00	C
ATOM	811	C2'	C B	8	-16.253	-47.735	73.668	1.00	0.00	C
ATOM	812	C3'	C B	8	-17.402	-47.118	72.885	1.00	0.00	C
ATOM	813	O3'	C B	8	-17.799	-48.016	71.852	1.00	0.00	O
ATOM	814	C4'	C B	8	-16.785	-45.836	72.331	1.00	0.00	C
ATOM	815	O4'	C B	8	-15.384	-46.183	72.090	1.00	0.00	O
ATOM	816	C5'	C B	8	-16.835	-44.623	73.229	1.00	0.00	C
ATOM	817	O5'	C B	8	-16.649	-45.028	74.609	1.00	0.00	O
ATOM	818	O1P	C B	8	-18.865	-44.495	75.677	1.00	0.00	O
ATOM	819	O2P	C B	8	-16.773	-44.501	77.062	1.00	0.00	O
ATOM	820	P	C B	8	-17.415	-44.227	75.754	1.00	0.00	P
ATOM	821	H5	C B	8	-12.847	-45.600	76.501	1.00	0.00	H
ATOM	822	H6	C B	8	-14.882	-46.080	75.184	1.00	0.00	H
ATOM	823	H1'	C B	8	-14.803	-48.134	72.107	1.00	0.00	H
ATOM	824	H3'	C B	8	-18.258	-46.899	73.523	1.00	0.00	H
ATOM	825	H4'	C B	8	-17.328	-45.593	71.417	1.00	0.00	H
ATOM	826	H41	C B	8	-10.426	-45.811	76.544	1.00	0.00	H
ATOM	827	H42	C B	8	-9.508	-46.615	75.241	1.00	0.00	H
ATOM	828	H2'1	C B	8	-16.197	-47.329	74.678	1.00	0.00	H
ATOM	829	H2'2	C B	8	-16.366	-48.816	73.755	1.00	0.00	H
ATOM	830	H5'1	C B	8	-16.045	-43.929	72.940	1.00	0.00	H
ATOM	831	H5'2	C B	8	-17.800	-44.134	73.117	1.00	0.00	H
ATOM	832	C1'	T B	9	-13.712	-51.884	71.365	1.00	0.00	C
ATOM	833	N1	T B	9	-13.202	-51.330	72.647	1.00	0.00	N
ATOM	834	C2	T B	9	-11.839	-51.375	72.855	1.00	0.00	C

ATOM	835	O2	T B	9	-11.063	-51.844	72.041	1.00	0.00	O
ATOM	836	N3	T B	9	-11.408	-50.848	74.058	1.00	0.00	N
ATOM	837	C4	T B	9	-12.198	-50.300	75.045	1.00	0.00	C
ATOM	838	O4	T B	9	-11.698	-49.861	76.088	1.00	0.00	O
ATOM	839	C5	T B	9	-13.610	-50.296	74.737	1.00	0.00	C
ATOM	840	C6	T B	9	-14.065	-50.800	73.574	1.00	0.00	C
ATOM	841	C7	T B	9	-14.507	-49.705	75.783	1.00	0.00	C
ATOM	842	C2'	T B	9	-15.037	-52.628	71.500	1.00	0.00	C
ATOM	843	C3'	T B	9	-15.730	-52.280	70.193	1.00	0.00	C
ATOM	844	O3'	T B	9	-15.294	-53.181	69.177	1.00	0.00	O
ATOM	845	C4'	T B	9	-15.269	-50.847	69.934	1.00	0.00	C
ATOM	846	O4'	T B	9	-13.910	-50.804	70.474	1.00	0.00	O
ATOM	847	C5'	T B	9	-16.083	-49.751	70.581	1.00	0.00	C
ATOM	848	O5'	T B	9	-16.537	-50.186	71.887	1.00	0.00	O
ATOM	849	O1P	T B	9	-19.035	-50.320	71.620	1.00	0.00	O
ATOM	850	O2P	T B	9	-18.037	-49.874	73.878	1.00	0.00	O
ATOM	851	P	T B	9	-17.959	-49.688	72.410	1.00	0.00	P
ATOM	852	H3	T B	9	-10.393	-50.867	74.236	1.00	0.00	H
ATOM	853	H6	T B	9	-15.134	-50.786	73.365	1.00	0.00	H
ATOM	854	H1'	T B	9	-12.943	-52.531	70.941	1.00	0.00	H
ATOM	855	H3'	T B	9	-16.815	-52.334	70.282	1.00	0.00	H
ATOM	856	H4'	T B	9	-15.303	-50.695	68.853	1.00	0.00	H
ATOM	857	H71	T B	9	-15.152	-50.484	76.192	1.00	0.00	H
ATOM	858	H72	T B	9	-13.902	-49.276	76.583	1.00	0.00	H
ATOM	859	H73	T B	9	-15.122	-48.923	75.335	1.00	0.00	H
ATOM	860	H2'1	T B	9	-15.613	-52.289	72.359	1.00	0.00	H
ATOM	861	H2'2	T B	9	-14.897	-53.704	71.602	1.00	0.00	H
ATOM	862	H5'1	T B	9	-15.465	-48.859	70.683	1.00	0.00	H
ATOM	863	H5'2	T B	9	-16.940	-49.524	69.950	1.00	0.00	H
ATOM	864	C1'	A B	10	-10.648	-55.786	71.213	1.00	0.00	C
ATOM	865	N1	A B	10	-9.038	-53.987	75.741	1.00	0.00	N
ATOM	866	C2	A B	10	-8.392	-54.480	74.688	1.00	0.00	C
ATOM	867	N3	A B	10	-8.871	-54.925	73.547	1.00	0.00	N
ATOM	868	C4	A B	10	-10.212	-54.834	73.537	1.00	0.00	C
ATOM	869	C5	A B	10	-11.022	-54.356	74.530	1.00	0.00	C
ATOM	870	C6	A B	10	-10.377	-53.908	75.702	1.00	0.00	C
ATOM	871	N6	A B	10	-11.043	-53.413	76.760	1.00	0.00	N
ATOM	872	N7	A B	10	-12.354	-54.415	74.162	1.00	0.00	N
ATOM	873	C8	A B	10	-12.323	-54.927	72.966	1.00	0.00	C
ATOM	874	N9	A B	10	-11.057	-55.205	72.520	1.00	0.00	N
ATOM	875	C2'	A B	10	-11.596	-56.860	70.697	1.00	0.00	C
ATOM	876	C3'	A B	10	-11.558	-56.622	69.194	1.00	0.00	C
ATOM	877	O3'	A B	10	-10.433	-57.301	68.641	1.00	0.00	O
ATOM	878	C4'	A B	10	-11.420	-55.102	69.095	1.00	0.00	C
ATOM	879	O4'	A B	10	-10.619	-54.736	70.265	1.00	0.00	O
ATOM	880	C5'	A B	10	-12.706	-54.310	69.122	1.00	0.00	C
ATOM	881	O5'	A B	10	-13.651	-54.936	70.027	1.00	0.00	O
ATOM	882	O1P	A B	10	-15.494	-55.710	68.498	1.00	0.00	O
ATOM	883	O2P	A B	10	-15.996	-55.172	70.896	1.00	0.00	O
ATOM	884	P	A B	10	-15.206	-54.872	69.677	1.00	0.00	P
ATOM	885	H2	A B	10	-7.308	-54.521	74.787	1.00	0.00	H
ATOM	886	H8	A B	10	-13.220	-55.119	72.376	1.00	0.00	H
ATOM	887	H1'	A B	10	-9.635	-56.175	71.315	1.00	0.00	H
ATOM	888	H3'	A B	10	-12.467	-56.966	68.703	1.00	0.00	H

ATOM	889	H4'	A B	10	-10.918	-54.892	68.152	1.00	0.00	H
ATOM	890	H61	A B	10	-10.523	-53.096	77.591	1.00	0.00	H
ATOM	891	H62	A B	10	-12.070	-53.350	76.739	1.00	0.00	H
ATOM	892	H2'1	A B	10	-12.605	-56.746	71.090	1.00	0.00	H
ATOM	893	H2'2	A B	10	-11.256	-57.866	70.946	1.00	0.00	H
ATOM	894	H5'1	A B	10	-12.493	-53.295	69.457	1.00	0.00	H
ATOM	895	H5'2	A B	10	-13.125	-54.275	68.118	1.00	0.00	H
ATOM	896	C1'	G B	11	-7.064	-58.698	73.037	1.00	0.00	C
ATOM	897	N1	G B	11	-8.631	-56.872	77.535	1.00	0.00	N
ATOM	898	C2	G B	11	-7.349	-57.085	77.061	1.00	0.00	C
ATOM	899	N2	G B	11	-6.351	-56.771	77.897	1.00	0.00	N
ATOM	900	N3	G B	11	-7.083	-57.570	75.849	1.00	0.00	N
ATOM	901	C4	G B	11	-8.212	-57.838	75.142	1.00	0.00	C
ATOM	902	C5	G B	11	-9.528	-57.663	75.533	1.00	0.00	C
ATOM	903	C6	G B	11	-9.812	-57.144	76.818	1.00	0.00	C
ATOM	904	O6	G B	11	-10.904	-56.920	77.341	1.00	0.00	O
ATOM	905	N7	G B	11	-10.393	-58.062	74.512	1.00	0.00	N
ATOM	906	C8	G B	11	-9.592	-58.455	73.554	1.00	0.00	C
ATOM	907	N9	G B	11	-8.251	-58.350	73.864	1.00	0.00	N
ATOM	908	C2'	G B	11	-7.251	-59.949	72.190	1.00	0.00	C
ATOM	909	C3'	G B	11	-6.479	-59.597	70.928	1.00	0.00	C
ATOM	910	O3'	G B	11	-5.100	-59.899	71.124	1.00	0.00	O
ATOM	911	C4'	G B	11	-6.727	-58.096	70.785	1.00	0.00	C
ATOM	912	O4'	G B	11	-6.814	-57.614	72.164	1.00	0.00	O
ATOM	913	C5'	G B	11	-7.983	-57.690	70.050	1.00	0.00	C
ATOM	914	O5'	G B	11	-9.052	-58.618	70.357	1.00	0.00	O
ATOM	915	O1P	G B	11	-9.494	-59.751	68.155	1.00	0.00	O
ATOM	916	O2P	G B	11	-11.330	-59.551	69.853	1.00	0.00	O
ATOM	917	P	G B	11	-10.124	-58.958	69.226	1.00	0.00	P
ATOM	918	H1	G B	11	-8.728	-56.486	78.486	1.00	0.00	H
ATOM	919	H8	G B	11	-9.952	-58.833	72.598	1.00	0.00	H
ATOM	920	H1'	G B	11	-6.204	-58.799	73.699	1.00	0.00	H
ATOM	921	H21	G B	11	-6.565	-56.393	78.832	1.00	0.00	H
ATOM	922	H3'	G B	11	-6.848	-60.141	70.058	1.00	0.00	H
ATOM	923	H22	G B	11	-5.373	-56.909	77.606	1.00	0.00	H
ATOM	924	H4'	G B	11	-5.876	-57.685	70.243	1.00	0.00	H
ATOM	925	H2'1	G B	11	-8.301	-60.146	71.970	1.00	0.00	H
ATOM	926	H2'2	G B	11	-6.843	-60.838	72.670	1.00	0.00	H
ATOM	927	H5'1	G B	11	-8.267	-56.685	70.356	1.00	0.00	H
ATOM	928	H5'2	G B	11	-7.786	-57.697	68.978	1.00	0.00	H
ATOM	929	C1'	G B	12	-4.356	-60.677	76.680	1.00	0.00	C
ATOM	930	N1	G B	12	-8.468	-59.658	79.521	1.00	0.00	N
ATOM	931	C2	G B	12	-7.125	-59.487	79.808	1.00	0.00	C
ATOM	932	N2	G B	12	-6.840	-58.978	81.014	1.00	0.00	N
ATOM	933	N3	G B	12	-6.147	-59.797	78.960	1.00	0.00	N
ATOM	934	C4	G B	12	-6.617	-60.306	77.793	1.00	0.00	C
ATOM	935	C5	G B	12	-7.933	-60.517	77.420	1.00	0.00	C
ATOM	936	C6	G B	12	-8.974	-60.184	78.318	1.00	0.00	C
ATOM	937	O6	G B	12	-10.191	-60.297	78.171	1.00	0.00	O
ATOM	938	N7	G B	12	-7.992	-61.059	76.135	1.00	0.00	N
ATOM	939	C8	G B	12	-6.738	-61.155	75.775	1.00	0.00	C
ATOM	940	N9	G B	12	-5.843	-60.718	76.730	1.00	0.00	N
ATOM	941	C2'	G B	12	-3.733	-61.869	75.968	1.00	0.00	C
ATOM	942	C3'	G B	12	-2.537	-61.236	75.273	1.00	0.00	C

ATOM	943	O3'	G B	12	-1.445	-61.173	76.187	1.00	0.00	O
ATOM	944	C4'	G B	12	-3.058	-59.851	74.897	1.00	0.00	C
ATOM	945	O4'	G B	12	-3.980	-59.507	75.979	1.00	0.00	O
ATOM	946	C5'	G B	12	-3.794	-59.744	73.583	1.00	0.00	C
ATOM	947	O5'	G B	12	-4.578	-60.942	73.361	1.00	0.00	O
ATOM	948	O1P	G B	12	-3.479	-61.994	71.356	1.00	0.00	O
ATOM	949	O2P	G B	12	-5.909	-62.413	71.817	1.00	0.00	O
ATOM	950	P	G B	12	-4.761	-61.475	71.868	1.00	0.00	P
ATOM	951	H1	G B	12	-9.149	-59.379	80.245	1.00	0.00	H
ATOM	952	H8	G B	12	-6.426	-61.546	74.807	1.00	0.00	H
ATOM	953	H1'	G B	12	-3.982	-60.592	77.700	1.00	0.00	H
ATOM	954	H21	G B	12	-7.604	-58.736	81.663	1.00	0.00	H
ATOM	955	H3'	G B	12	-2.235	-61.796	74.388	1.00	0.00	H
ATOM	956	H22	G B	12	-5.860	-58.828	81.289	1.00	0.00	H
ATOM	957	H4'	G B	12	-2.193	-59.189	74.849	1.00	0.00	H
ATOM	958	H2'1	G B	12	-4.415	-62.325	75.248	1.00	0.00	H
ATOM	959	H2'2	G B	12	-3.421	-62.650	76.662	1.00	0.00	H
ATOM	960	H5'1	G B	12	-4.450	-58.874	73.610	1.00	0.00	H
ATOM	961	H5'2	G B	12	-3.070	-59.622	72.777	1.00	0.00	H
ATOM	962	C1'	T B	13	-3.535	-62.114	81.344	1.00	0.00	C
ATOM	963	N1	T B	13	-4.768	-62.546	80.635	1.00	0.00	N
ATOM	964	C2	T B	13	-5.972	-62.338	81.279	1.00	0.00	C
ATOM	965	O2	T B	13	-6.048	-61.828	82.383	1.00	0.00	O
ATOM	966	N3	T B	13	-7.092	-62.752	80.584	1.00	0.00	N
ATOM	967	C4	T B	13	-7.115	-63.342	79.337	1.00	0.00	C
ATOM	968	O4	T B	13	-8.185	-63.675	78.814	1.00	0.00	O
ATOM	969	C5	T B	13	-5.811	-63.516	78.743	1.00	0.00	C
ATOM	970	C6	T B	13	-4.697	-63.123	79.391	1.00	0.00	C
ATOM	971	C7	T B	13	-5.787	-64.151	77.384	1.00	0.00	C
ATOM	972	C2'	T B	13	-2.352	-63.056	81.148	1.00	0.00	C
ATOM	973	C3'	T B	13	-1.180	-62.089	81.110	1.00	0.00	C
ATOM	974	O3'	T B	13	-0.768	-61.802	82.444	1.00	0.00	O
ATOM	975	C4'	T B	13	-1.770	-60.866	80.411	1.00	0.00	C
ATOM	976	O4'	T B	13	-3.169	-60.845	80.841	1.00	0.00	O
ATOM	977	C5'	T B	13	-1.728	-60.871	78.900	1.00	0.00	C
ATOM	978	O5'	T B	13	-1.949	-62.217	78.409	1.00	0.00	O
ATOM	979	O1P	T B	13	0.247	-62.814	77.337	1.00	0.00	O
ATOM	980	O2P	T B	13	-1.875	-63.881	76.528	1.00	0.00	O
ATOM	981	P	T B	13	-1.201	-62.681	77.080	1.00	0.00	P
ATOM	982	H3	T B	13	-8.003	-62.606	81.043	1.00	0.00	H
ATOM	983	H6	T B	13	-3.724	-63.266	78.922	1.00	0.00	H
ATOM	984	H1'	T B	13	-3.770	-62.000	82.403	1.00	0.00	H
ATOM	985	H3'	T B	13	-0.336	-62.493	80.552	1.00	0.00	H
ATOM	986	H4'	T B	13	-1.203	-60.001	80.757	1.00	0.00	H
ATOM	987	H71	T B	13	-5.292	-65.120	77.443	1.00	0.00	H
ATOM	988	H72	T B	13	-6.810	-64.287	77.028	1.00	0.00	H
ATOM	989	H73	T B	13	-5.245	-63.508	76.689	1.00	0.00	H
ATOM	990	H2'1	T B	13	-2.427	-63.625	80.223	1.00	0.00	H
ATOM	991	H2'2	T B	13	-2.252	-63.771	81.965	1.00	0.00	H
ATOM	992	H5'1	T B	13	-2.502	-60.205	78.520	1.00	0.00	H
ATOM	993	H5'2	T B	13	-0.753	-60.514	78.569	1.00	0.00	H
ATOM	994	C1'	G B	14	-4.990	-63.610	85.850	1.00	0.00	C
ATOM	995	N1	G B	14	-9.112	-65.287	83.357	1.00	0.00	N
ATOM	996	C2	G B	14	-9.015	-64.631	84.572	1.00	0.00	C

ATOM	997	N2	G B	14	-10.167	-64.392	85.208	1.00	0.00	N
ATOM	998	N3	G B	14	-7.858	-64.245	85.108	1.00	0.00	N
ATOM	999	C4	G B	14	-6.792	-64.574	84.330	1.00	0.00	C
ATOM	1000	C5	G B	14	-6.794	-65.229	83.112	1.00	0.00	C
ATOM	1001	C6	G B	14	-8.021	-65.637	82.539	1.00	0.00	C
ATOM	1002	O6	G B	14	-8.224	-66.225	81.476	1.00	0.00	O
ATOM	1003	N7	G B	14	-5.487	-65.377	82.640	1.00	0.00	N
ATOM	1004	C8	G B	14	-4.753	-64.816	83.567	1.00	0.00	C
ATOM	1005	N9	G B	14	-5.474	-64.307	84.628	1.00	0.00	N
ATOM	1006	C2'	G B	14	-3.686	-64.172	86.401	1.00	0.00	C
ATOM	1007	C3'	G B	14	-2.992	-62.922	86.917	1.00	0.00	C
ATOM	1008	O3'	G B	14	-3.461	-62.637	88.232	1.00	0.00	O
ATOM	1009	C4'	G B	14	-3.418	-61.858	85.907	1.00	0.00	C
ATOM	1010	O4'	G B	14	-4.770	-62.253	85.515	1.00	0.00	O
ATOM	1011	C5'	G B	14	-2.570	-61.734	84.664	1.00	0.00	C
ATOM	1012	O5'	G B	14	-2.117	-63.046	84.246	1.00	0.00	O
ATOM	1013	O1P	G B	14	0.375	-62.935	84.578	1.00	0.00	O
ATOM	1014	O2P	G B	14	-0.593	-64.476	82.851	1.00	0.00	O
ATOM	1015	P	G B	14	-0.677	-63.184	83.574	1.00	0.00	P
ATOM	1016	H1	G B	14	-10.057	-65.538	83.026	1.00	0.00	H
ATOM	1017	H8	G B	14	-3.665	-64.758	83.508	1.00	0.00	H
ATOM	1018	H1'	G B	14	-5.780	-63.646	86.601	1.00	0.00	H
ATOM	1019	H21	G B	14	-11.059	-64.692	84.784	1.00	0.00	H
ATOM	1020	H3'	G B	14	-1.908	-63.035	86.935	1.00	0.00	H
ATOM	1021	H22	G B	14	-10.164	-63.911	86.118	1.00	0.00	H
ATOM	1022	H4'	G B	14	-3.389	-60.899	86.427	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-3.092	-64.668	85.633	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-3.853	-64.893	87.201	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-3.162	-61.280	83.870	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-1.712	-61.099	84.878	1.00	0.00	H
ATOM	1027	C1'	C B	15	-8.118	-65.748	89.039	1.00	0.00	C
ATOM	1028	N1	C B	15	-7.690	-66.460	87.805	1.00	0.00	N
ATOM	1029	C2	C B	15	-8.680	-66.998	86.985	1.00	0.00	C
ATOM	1030	O2	C B	15	-9.866	-66.860	87.313	1.00	0.00	O
ATOM	1031	N3	C B	15	-8.312	-67.651	85.856	1.00	0.00	N
ATOM	1032	C4	C B	15	-7.021	-67.784	85.528	1.00	0.00	C
ATOM	1033	N4	C B	15	-6.717	-68.429	84.412	1.00	0.00	N
ATOM	1034	C5	C B	15	-5.979	-67.246	86.355	1.00	0.00	C
ATOM	1035	C6	C B	15	-6.375	-66.587	87.484	1.00	0.00	C
ATOM	1036	C2'	C B	15	-7.205	-65.985	90.233	1.00	0.00	C
ATOM	1037	C3'	C B	15	-7.235	-64.634	90.932	1.00	0.00	C
ATOM	1038	O3'	C B	15	-8.380	-64.571	91.781	1.00	0.00	O
ATOM	1039	C4'	C B	15	-7.329	-63.652	89.766	1.00	0.00	C
ATOM	1040	O4'	C B	15	-8.117	-64.360	88.757	1.00	0.00	O
ATOM	1041	C5'	C B	15	-6.019	-63.225	89.142	1.00	0.00	C
ATOM	1042	O5'	C B	15	-5.094	-64.340	89.134	1.00	0.00	O
ATOM	1043	O1P	C B	15	-3.274	-63.601	90.708	1.00	0.00	O
ATOM	1044	O2P	C B	15	-2.754	-65.219	88.863	1.00	0.00	O
ATOM	1045	P	C B	15	-3.538	-64.048	89.326	1.00	0.00	P
ATOM	1046	H5	C B	15	-4.927	-67.358	86.096	1.00	0.00	H
ATOM	1047	H6	C B	15	-5.620	-66.156	88.142	1.00	0.00	H
ATOM	1048	H1'	C B	15	-9.143	-66.043	89.266	1.00	0.00	H
ATOM	1049	H3'	C B	15	-6.337	-64.459	91.523	1.00	0.00	H
ATOM	1050	H4'	C B	15	-7.823	-62.757	90.143	1.00	0.00	H

ATOM	1051	H41	C B	15	-5.732	-68.543	84.134	1.00	0.00	H
ATOM	1052	H42	C B	15	-7.468	-68.817	83.820	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-6.192	-66.253	89.933	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-7.573	-66.777	90.885	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-6.202	-62.889	88.122	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-5.599	-62.402	89.721	1.00	0.00	H
ATOM	1057	C1'	G B	16	-11.761	-68.862	90.282	1.00	0.00	C
ATOM	1058	N1	G B	16	-10.203	-71.431	86.160	1.00	0.00	N
ATOM	1059	C2	G B	16	-11.484	-71.151	86.600	1.00	0.00	C
ATOM	1060	N2	G B	16	-12.484	-71.619	85.840	1.00	0.00	N
ATOM	1061	N3	G B	16	-11.748	-70.459	87.707	1.00	0.00	N
ATOM	1062	C4	G B	16	-10.618	-70.069	88.353	1.00	0.00	C
ATOM	1063	C5	G B	16	-9.302	-70.307	87.993	1.00	0.00	C
ATOM	1064	C6	G B	16	-9.022	-71.038	86.816	1.00	0.00	C
ATOM	1065	O6	G B	16	-7.930	-71.347	86.335	1.00	0.00	O
ATOM	1066	N7	G B	16	-8.435	-69.738	88.928	1.00	0.00	N
ATOM	1067	C8	G B	16	-9.234	-69.184	89.805	1.00	0.00	C
ATOM	1068	N9	G B	16	-10.576	-69.344	89.524	1.00	0.00	N
ATOM	1069	C2'	G B	16	-11.590	-68.926	91.794	1.00	0.00	C
ATOM	1070	C3'	G B	16	-12.343	-67.687	92.252	1.00	0.00	C
ATOM	1071	O3'	G B	16	-13.730	-67.997	92.365	1.00	0.00	O
ATOM	1072	C4'	G B	16	-12.065	-66.687	91.132	1.00	0.00	C
ATOM	1073	O4'	G B	16	-11.982	-67.512	89.925	1.00	0.00	O
ATOM	1074	C5'	G B	16	-10.794	-65.879	91.253	1.00	0.00	C
ATOM	1075	O5'	G B	16	-9.746	-66.698	91.827	1.00	0.00	O
ATOM	1076	O1P	G B	16	-9.305	-65.605	94.051	1.00	0.00	O
ATOM	1077	O2P	G B	16	-7.482	-66.889	92.901	1.00	0.00	O
ATOM	1078	P	G B	16	-8.670	-66.008	92.782	1.00	0.00	P
ATOM	1079	H1	G B	16	-10.108	-71.970	85.285	1.00	0.00	H
ATOM	1080	H8	G B	16	-8.872	-68.645	90.679	1.00	0.00	H
ATOM	1081	H1'	G B	16	-12.630	-69.439	89.962	1.00	0.00	H
ATOM	1082	H21	G B	16	-12.272	-72.151	84.984	1.00	0.00	H
ATOM	1083	H3'	G B	16	-11.977	-67.317	93.210	1.00	0.00	H
ATOM	1084	H22	G B	16	-13.461	-71.446	86.116	1.00	0.00	H
ATOM	1085	H4'	G B	16	-12.903	-65.990	91.114	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-10.542	-68.887	92.093	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-12.020	-69.832	92.221	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-10.494	-65.534	90.264	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-10.981	-65.015	91.892	1.00	0.00	H
ATOM	1090	C1'	G B	17	-14.544	-72.916	89.688	1.00	0.00	C
ATOM	1091	N1	G B	17	-10.440	-74.678	87.223	1.00	0.00	N
ATOM	1092	C2	G B	17	-11.782	-74.782	86.902	1.00	0.00	C
ATOM	1093	N2	G B	17	-12.068	-75.445	85.774	1.00	0.00	N
ATOM	1094	N3	G B	17	-12.758	-74.265	87.644	1.00	0.00	N
ATOM	1095	C4	G B	17	-12.286	-73.636	88.752	1.00	0.00	C
ATOM	1096	C5	G B	17	-10.971	-73.487	89.154	1.00	0.00	C
ATOM	1097	C6	G B	17	-9.933	-74.032	88.366	1.00	0.00	C
ATOM	1098	O6	G B	17	-8.716	-74.003	88.555	1.00	0.00	O
ATOM	1099	N7	G B	17	-10.910	-72.774	90.355	1.00	0.00	N
ATOM	1100	C8	G B	17	-12.162	-72.518	90.633	1.00	0.00	C
ATOM	1101	N9	G B	17	-13.058	-73.010	89.707	1.00	0.00	N
ATOM	1102	C2'	G B	17	-15.183	-73.038	91.065	1.00	0.00	C
ATOM	1103	C3'	G B	17	-16.358	-72.080	90.955	1.00	0.00	C
ATOM	1104	O3'	G B	17	-17.458	-72.757	90.351	1.00	0.00	O

ATOM	1105	C4'	G B	17	-15.808	-70.966	90.068	1.00	0.00	C
ATOM	1106	O4'	G B	17	-14.890	-71.650	89.158	1.00	0.00	O
ATOM	1107	C5'	G B	17	-15.057	-69.859	90.769	1.00	0.00	C
ATOM	1108	O5'	G B	17	-14.294	-70.406	91.873	1.00	0.00	O
ATOM	1109	O1P	G B	17	-15.394	-69.395	93.899	1.00	0.00	O
ATOM	1110	O2P	G B	17	-12.976	-70.060	93.986	1.00	0.00	O
ATOM	1111	P	G B	17	-14.107	-69.524	93.190	1.00	0.00	P
ATOM	1112	H1	G B	17	-9.761	-75.109	86.576	1.00	0.00	H
ATOM	1113	H8	G B	17	-12.471	-71.964	91.519	1.00	0.00	H
ATOM	1114	H1'	G B	17	-14.925	-73.679	89.011	1.00	0.00	H
ATOM	1115	H21	G B	17	-11.308	-75.839	85.202	1.00	0.00	H
ATOM	1116	H3'	G B	17	-16.663	-71.694	91.928	1.00	0.00	H
ATOM	1117	H22	G B	17	-13.048	-75.558	85.480	1.00	0.00	H
ATOM	1118	H4'	G B	17	-16.659	-70.519	89.556	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-14.503	-72.742	91.864	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-15.515	-74.053	91.278	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-14.384	-69.377	90.060	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-15.770	-69.123	91.143	1.00	0.00	H
ATOM	1123	C1'	C B	18	-15.415	-77.513	88.064	1.00	0.00	C
ATOM	1124	N1	C B	18	-14.194	-77.209	88.860	1.00	0.00	N
ATOM	1125	C2	C B	18	-12.964	-77.616	88.349	1.00	0.00	C
ATOM	1126	O2	C B	18	-12.935	-78.208	87.262	1.00	0.00	O
ATOM	1127	N3	C B	18	-11.842	-77.350	89.059	1.00	0.00	N
ATOM	1128	C4	C B	18	-11.906	-76.708	90.232	1.00	0.00	C
ATOM	1129	N4	C B	18	-10.775	-76.472	90.883	1.00	0.00	N
ATOM	1130	C5	C B	18	-13.157	-76.280	90.783	1.00	0.00	C
ATOM	1131	C6	C B	18	-14.273	-76.557	90.050	1.00	0.00	C
ATOM	1132	C2'	C B	18	-16.620	-77.901	88.911	1.00	0.00	C
ATOM	1133	C3'	C B	18	-17.769	-77.284	88.128	1.00	0.00	C
ATOM	1134	O3'	C B	18	-18.167	-78.182	87.095	1.00	0.00	O
ATOM	1135	C4'	C B	18	-17.152	-76.002	87.573	1.00	0.00	C
ATOM	1136	O4'	C B	18	-15.751	-76.348	87.333	1.00	0.00	O
ATOM	1137	C5'	C B	18	-17.202	-74.788	88.471	1.00	0.00	C
ATOM	1138	O5'	C B	18	-17.015	-75.194	89.852	1.00	0.00	O
ATOM	1139	O1P	C B	18	-19.232	-74.661	90.920	1.00	0.00	O
ATOM	1140	O2P	C B	18	-17.140	-74.666	92.306	1.00	0.00	O
ATOM	1141	P	C B	18	-17.782	-74.392	90.998	1.00	0.00	P
ATOM	1142	H5	C B	18	-13.214	-75.761	91.739	1.00	0.00	H
ATOM	1143	H6	C B	18	-15.247	-76.248	90.427	1.00	0.00	H
ATOM	1144	H1'	C B	18	-15.170	-78.298	87.350	1.00	0.00	H
ATOM	1145	H3'	C B	18	-18.625	-77.065	88.766	1.00	0.00	H
ATOM	1146	H4'	C B	18	-17.694	-75.759	86.659	1.00	0.00	H
ATOM	1147	H41	C B	18	-10.797	-75.978	91.788	1.00	0.00	H
ATOM	1148	H42	C B	18	-9.878	-76.781	90.485	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-16.564	-77.495	89.920	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-16.733	-78.981	88.998	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-16.413	-74.095	88.183	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-18.168	-74.299	88.360	1.00	0.00	H
ATOM	1153	C1'	C B	19	-14.058	-82.049	86.614	1.00	0.00	C
ATOM	1154	N1	C B	19	-13.568	-81.488	87.903	1.00	0.00	N
ATOM	1155	C2	C B	19	-12.195	-81.515	88.147	1.00	0.00	C
ATOM	1156	O2	C B	19	-11.445	-81.998	87.290	1.00	0.00	O
ATOM	1157	N3	C B	19	-11.730	-81.008	89.315	1.00	0.00	N
ATOM	1158	C4	C B	19	-12.569	-80.492	90.223	1.00	0.00	C

ATOM	1159	N4	C B	19	-12.060	-80.010	91.346	1.00	0.00	N
ATOM	1160	C5	C B	19	-13.982	-80.454	89.998	1.00	0.00	C
ATOM	1161	C6	C B	19	-14.428	-80.967	88.817	1.00	0.00	C
ATOM	1162	C2'	C B	19	-15.374	-82.803	86.734	1.00	0.00	C
ATOM	1163	C3'	C B	19	-16.055	-82.462	85.417	1.00	0.00	C
ATOM	1164	O3'	C B	19	-15.598	-83.359	84.408	1.00	0.00	O
ATOM	1165	C4'	C B	19	-15.602	-81.026	85.162	1.00	0.00	C
ATOM	1166	O4'	C B	19	-14.251	-80.968	85.721	1.00	0.00	O
ATOM	1167	C5'	C B	19	-16.433	-79.936	85.799	1.00	0.00	C
ATOM	1168	O5'	C B	19	-16.902	-80.373	87.100	1.00	0.00	O
ATOM	1169	O1P	C B	19	-19.395	-80.529	86.800	1.00	0.00	O
ATOM	1170	O2P	C B	19	-18.430	-80.073	89.070	1.00	0.00	O
ATOM	1171	P	C B	19	-18.334	-79.888	87.602	1.00	0.00	P
ATOM	1172	H5	C B	19	-14.668	-80.036	90.734	1.00	0.00	H
ATOM	1173	H6	C B	19	-15.495	-80.958	88.599	1.00	0.00	H
ATOM	1174	H1'	C B	19	-13.276	-82.689	86.203	1.00	0.00	H
ATOM	1175	H3'	C B	19	-17.141	-82.524	85.492	1.00	0.00	H
ATOM	1176	H4'	C B	19	-15.623	-80.873	84.083	1.00	0.00	H
ATOM	1177	H41	C B	19	-12.681	-79.605	92.062	1.00	0.00	H
ATOM	1178	H42	C B	19	-11.041	-80.039	91.506	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-15.966	-82.469	87.585	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-15.227	-83.878	86.838	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-15.825	-79.039	85.907	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-17.284	-79.716	85.156	1.00	0.00	H
ATOM	1183	C1'	T B	20	-11.016	-85.952	86.457	1.00	0.00	C
ATOM	1184	N1	T B	20	-11.423	-85.373	87.764	1.00	0.00	N
ATOM	1185	C2	T B	20	-10.418	-85.067	88.658	1.00	0.00	C
ATOM	1186	O2	T B	20	-9.238	-85.251	88.413	1.00	0.00	O
ATOM	1187	N3	T B	20	-10.841	-84.531	89.860	1.00	0.00	N
ATOM	1188	C4	T B	20	-12.143	-84.283	90.235	1.00	0.00	C
ATOM	1189	O4	T B	20	-12.401	-83.800	91.345	1.00	0.00	O
ATOM	1190	C5	T B	20	-13.122	-84.635	89.237	1.00	0.00	C
ATOM	1191	C6	T B	20	-12.748	-85.159	88.054	1.00	0.00	C
ATOM	1192	C7	T B	20	-14.555	-84.381	89.604	1.00	0.00	C
ATOM	1193	C2'	T B	20	-11.962	-87.028	85.940	1.00	0.00	C
ATOM	1194	C3'	T B	20	-11.929	-86.787	84.439	1.00	0.00	C
ATOM	1195	O3'	T B	20	-10.806	-87.464	83.880	1.00	0.00	O
ATOM	1196	C4'	T B	20	-11.796	-85.269	84.341	1.00	0.00	C
ATOM	1197	O4'	T B	20	-10.992	-84.902	85.508	1.00	0.00	O
ATOM	1198	C5'	T B	20	-13.083	-84.478	84.373	1.00	0.00	C
ATOM	1199	O5'	T B	20	-14.024	-85.109	85.278	1.00	0.00	O
ATOM	1200	O1P	T B	20	-15.868	-85.885	83.755	1.00	0.00	O
ATOM	1201	O2P	T B	20	-16.365	-85.350	86.155	1.00	0.00	O
ATOM	1202	P	T B	20	-15.578	-85.048	84.935	1.00	0.00	P
ATOM	1203	H3	T B	20	-10.109	-84.293	90.544	1.00	0.00	H
ATOM	1204	H6	T B	20	-13.506	-85.416	87.315	1.00	0.00	H
ATOM	1205	H1'	T B	20	-10.001	-86.338	86.554	1.00	0.00	H
ATOM	1206	H3'	T B	20	-12.838	-87.135	83.950	1.00	0.00	H
ATOM	1207	H4'	T B	20	-11.297	-85.055	83.395	1.00	0.00	H
ATOM	1208	H3T	T B	20	-10.744	-88.398	84.095	1.00	0.00	H
ATOM	1209	H71	T B	20	-15.086	-85.329	89.677	1.00	0.00	H
ATOM	1210	H72	T B	20	-14.599	-83.863	90.563	1.00	0.00	H
ATOM	1211	H73	T B	20	-15.023	-83.761	88.838	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-12.970	-86.917	86.337	1.00	0.00	H

ATOM	1213	H2'2	T B	20	-11.620	-88.033	86.189	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-12.871	-83.463	84.707	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-13.505	-84.444	83.370	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-47.453	23.438	120.390	1.00	0.00	C
ATOM	2	N1	A A	1	-44.620	27.626	119.518	1.00	0.00	N
ATOM	3	C2	A A	1	-45.782	27.211	119.026	1.00	0.00	C
ATOM	4	N3	A A	1	-46.463	26.116	119.298	1.00	0.00	N
ATOM	5	C4	A A	1	-45.807	25.374	120.208	1.00	0.00	C
ATOM	6	C5	A A	1	-44.611	25.657	120.806	1.00	0.00	C
ATOM	7	C6	A A	1	-43.989	26.865	120.426	1.00	0.00	C
ATOM	8	N6	A A	1	-42.812	27.275	120.929	1.00	0.00	N
ATOM	9	N7	A A	1	-44.247	24.659	121.692	1.00	0.00	N
ATOM	10	C8	A A	1	-45.221	23.801	121.611	1.00	0.00	C
ATOM	11	N9	A A	1	-46.203	24.168	120.731	1.00	0.00	N
ATOM	12	C2'	A A	1	-47.284	21.926	120.329	1.00	0.00	C
ATOM	13	C3'	A A	1	-48.616	21.436	120.872	1.00	0.00	C
ATOM	14	O3'	A A	1	-49.570	21.402	119.813	1.00	0.00	O
ATOM	15	C4'	A A	1	-48.961	22.486	121.928	1.00	0.00	C
ATOM	16	O4'	A A	1	-48.411	23.730	121.390	1.00	0.00	O
ATOM	17	C5'	A A	1	-48.391	22.261	123.308	1.00	0.00	C
ATOM	18	O5'	A A	1	-47.063	21.686	123.204	1.00	0.00	O
ATOM	19	H2	A A	1	-46.241	27.872	118.292	1.00	0.00	H
ATOM	20	H8	A A	1	-45.252	22.876	122.188	1.00	0.00	H
ATOM	21	H1'	A A	1	-47.829	23.827	119.443	1.00	0.00	H
ATOM	22	H3'	A A	1	-48.536	20.442	121.317	1.00	0.00	H
ATOM	23	H4'	A A	1	-50.047	22.501	122.013	1.00	0.00	H
ATOM	24	H61	A A	1	-42.402	28.165	120.619	1.00	0.00	H
ATOM	25	H62	A A	1	-42.323	26.695	121.626	1.00	0.00	H
ATOM	26	H5T	A A	1	-46.778	21.063	123.874	1.00	0.00	H
ATOM	27	H2'1	A A	1	-46.454	21.578	120.942	1.00	0.00	H
ATOM	28	H2'2	A A	1	-47.115	21.569	119.313	1.00	0.00	H
ATOM	29	H5'1	A A	1	-48.338	23.216	123.832	1.00	0.00	H
ATOM	30	H5'2	A A	1	-49.042	21.585	123.859	1.00	0.00	H
ATOM	31	C1'	G A	2	-47.323	24.442	115.529	1.00	0.00	C
ATOM	32	N1	G A	2	-42.922	26.747	116.681	1.00	0.00	N
ATOM	33	C2	G A	2	-43.944	27.157	115.847	1.00	0.00	C
ATOM	34	N2	G A	2	-43.771	28.335	115.237	1.00	0.00	N
ATOM	35	N3	G A	2	-45.052	26.447	115.637	1.00	0.00	N
ATOM	36	C4	G A	2	-45.055	25.278	116.331	1.00	0.00	C
ATOM	37	C5	G A	2	-44.079	24.787	117.185	1.00	0.00	C
ATOM	38	C6	G A	2	-42.905	25.544	117.409	1.00	0.00	C
ATOM	39	O6	G A	2	-41.938	25.281	118.124	1.00	0.00	O
ATOM	40	N7	G A	2	-44.467	23.548	117.698	1.00	0.00	N
ATOM	41	C8	G A	2	-45.638	23.333	117.156	1.00	0.00	C
ATOM	42	N9	G A	2	-46.064	24.339	116.313	1.00	0.00	N
ATOM	43	C2'	G A	2	-47.794	23.117	114.946	1.00	0.00	C
ATOM	44	C3'	G A	2	-49.305	23.243	115.048	1.00	0.00	C
ATOM	45	O3'	G A	2	-49.794	23.950	113.911	1.00	0.00	O
ATOM	46	C4'	G A	2	-49.493	24.032	116.344	1.00	0.00	C
ATOM	47	O4'	G A	2	-48.333	24.921	116.396	1.00	0.00	O
ATOM	48	C5'	G A	2	-49.541	23.224	117.620	1.00	0.00	C
ATOM	49	O5'	G A	2	-48.621	22.108	117.529	1.00	0.00	O
ATOM	50	O1P	G A	2	-50.138	20.100	117.546	1.00	0.00	O

ATOM	51	O2P	G A	2	-47.788	19.905	118.402	1.00	0.00	O
ATOM	52	P	G A	2	-49.006	20.736	118.246	1.00	0.00	P
ATOM	53	H1	G A	2	-42.108	27.372	116.777	1.00	0.00	H
ATOM	54	H8	G A	2	-46.227	22.438	117.353	1.00	0.00	H
ATOM	55	H1'	G A	2	-47.176	25.183	114.742	1.00	0.00	H
ATOM	56	H21	G A	2	-42.913	28.879	115.404	1.00	0.00	H
ATOM	57	H3'	G A	2	-49.794	22.270	115.106	1.00	0.00	H
ATOM	58	H22	G A	2	-44.497	28.694	114.600	1.00	0.00	H
ATOM	59	H4'	G A	2	-50.437	24.568	116.254	1.00	0.00	H
ATOM	60	H2'1	G A	2	-47.428	22.262	115.516	1.00	0.00	H
ATOM	61	H2'2	G A	2	-47.476	22.981	113.912	1.00	0.00	H
ATOM	62	H5'1	G A	2	-49.265	23.863	118.458	1.00	0.00	H
ATOM	63	H5'2	G A	2	-50.556	22.855	117.771	1.00	0.00	H
ATOM	64	C1'	G A	3	-45.316	26.366	111.430	1.00	0.00	C
ATOM	65	N1	G A	3	-40.950	25.876	114.019	1.00	0.00	N
ATOM	66	C2	G A	3	-41.401	26.919	113.232	1.00	0.00	C
ATOM	67	N2	G A	3	-40.580	27.970	113.116	1.00	0.00	N
ATOM	68	N3	G A	3	-42.577	26.913	112.609	1.00	0.00	N
ATOM	69	C4	G A	3	-43.275	25.768	112.832	1.00	0.00	C
ATOM	70	C5	G A	3	-42.903	24.676	113.599	1.00	0.00	C
ATOM	71	C6	G A	3	-41.655	24.685	114.264	1.00	0.00	C
ATOM	72	O6	G A	3	-41.154	23.820	114.985	1.00	0.00	O
ATOM	73	N7	G A	3	-43.902	23.703	113.570	1.00	0.00	N
ATOM	74	C8	G A	3	-44.828	24.223	112.807	1.00	0.00	C
ATOM	75	N9	G A	3	-44.519	25.476	112.319	1.00	0.00	N
ATOM	76	C2'	G A	3	-46.085	25.621	110.347	1.00	0.00	C
ATOM	77	C3'	G A	3	-47.361	26.440	110.242	1.00	0.00	C
ATOM	78	O3'	G A	3	-47.138	27.544	109.369	1.00	0.00	O
ATOM	79	C4'	G A	3	-47.598	26.885	111.685	1.00	0.00	C
ATOM	80	O4'	G A	3	-46.253	27.053	112.236	1.00	0.00	O
ATOM	81	C5'	G A	3	-48.365	25.927	112.564	1.00	0.00	C
ATOM	82	O5'	G A	3	-48.006	24.562	112.234	1.00	0.00	O
ATOM	83	O1P	G A	3	-50.138	23.612	111.290	1.00	0.00	O
ATOM	84	O2P	G A	3	-48.467	22.097	112.387	1.00	0.00	O
ATOM	85	P	G A	3	-49.122	23.427	112.344	1.00	0.00	P
ATOM	86	H1	G A	3	-40.024	25.982	114.463	1.00	0.00	H
ATOM	87	H8	G A	3	-45.762	23.712	112.574	1.00	0.00	H
ATOM	88	H1'	G A	3	-44.642	27.103	110.994	1.00	0.00	H
ATOM	89	H21	G A	3	-39.671	27.968	113.603	1.00	0.00	H
ATOM	90	H3'	G A	3	-48.198	25.848	109.871	1.00	0.00	H
ATOM	91	H22	G A	3	-40.857	28.777	112.540	1.00	0.00	H
ATOM	92	H4'	G A	3	-48.159	27.818	111.640	1.00	0.00	H
ATOM	93	H2'1	G A	3	-46.298	24.589	110.627	1.00	0.00	H
ATOM	94	H2'2	G A	3	-45.548	25.599	109.399	1.00	0.00	H
ATOM	95	H5'1	G A	3	-48.124	26.128	113.608	1.00	0.00	H
ATOM	96	H5'2	G A	3	-49.434	26.076	112.410	1.00	0.00	H
ATOM	97	C1'	C A	4	-41.538	27.979	108.662	1.00	0.00	C
ATOM	98	N1	C A	4	-41.490	26.632	109.297	1.00	0.00	N
ATOM	99	C2	C A	4	-40.366	26.309	110.054	1.00	0.00	C
ATOM	100	O2	C A	4	-39.461	27.145	110.168	1.00	0.00	O
ATOM	101	N3	C A	4	-40.303	25.088	110.640	1.00	0.00	N
ATOM	102	C4	C A	4	-41.298	24.204	110.497	1.00	0.00	C
ATOM	103	N4	C A	4	-41.186	23.027	111.094	1.00	0.00	N
ATOM	104	C5	C A	4	-42.464	24.510	109.722	1.00	0.00	C

ATOM	105	C6	C A	4	-42.508	25.744	109.144	1.00	0.00	C
ATOM	106	C2'	C A	4	-42.167	27.981	107.277	1.00	0.00	C
ATOM	107	C3'	C A	4	-42.899	29.316	107.263	1.00	0.00	C
ATOM	108	O3'	C A	4	-41.988	30.345	106.886	1.00	0.00	O
ATOM	109	C4'	C A	4	-43.367	29.461	108.709	1.00	0.00	C
ATOM	110	O4'	C A	4	-42.314	28.819	109.497	1.00	0.00	O
ATOM	111	C5'	C A	4	-44.689	28.815	109.054	1.00	0.00	C
ATOM	112	O5'	C A	4	-44.833	27.571	108.323	1.00	0.00	O
ATOM	113	O1P	C A	4	-46.759	28.028	106.770	1.00	0.00	O
ATOM	114	O2P	C A	4	-46.280	25.681	107.516	1.00	0.00	O
ATOM	115	P	C A	4	-46.287	27.129	107.840	1.00	0.00	P
ATOM	116	H5	C A	4	-43.275	23.791	109.599	1.00	0.00	H
ATOM	117	H6	C A	4	-43.377	26.025	108.549	1.00	0.00	H
ATOM	118	H1'	C A	4	-40.526	28.378	108.633	1.00	0.00	H
ATOM	119	H3'	C A	4	-43.743	29.310	106.574	1.00	0.00	H
ATOM	120	H4'	C A	4	-43.458	30.529	108.907	1.00	0.00	H
ATOM	121	H41	C A	4	-41.937	22.327	111.001	1.00	0.00	H
ATOM	122	H42	C A	4	-40.345	22.808	111.649	1.00	0.00	H
ATOM	123	H2'1	C A	4	-42.856	27.151	107.133	1.00	0.00	H
ATOM	124	H2'2	C A	4	-41.420	27.930	106.484	1.00	0.00	H
ATOM	125	H5'1	C A	4	-44.722	28.618	110.126	1.00	0.00	H
ATOM	126	H5'2	C A	4	-45.498	29.494	108.789	1.00	0.00	H
ATOM	127	C1'	C A	5	-36.781	28.149	107.297	1.00	0.00	C
ATOM	128	N1	C A	5	-37.488	26.844	107.410	1.00	0.00	N
ATOM	129	C2	C A	5	-36.891	25.843	108.174	1.00	0.00	C
ATOM	130	O2	C A	5	-35.805	26.076	108.722	1.00	0.00	O
ATOM	131	N3	C A	5	-37.520	24.648	108.290	1.00	0.00	N
ATOM	132	C4	C A	5	-38.692	24.424	107.683	1.00	0.00	C
ATOM	133	N4	C A	5	-39.264	23.239	107.833	1.00	0.00	N
ATOM	134	C5	C A	5	-39.328	25.435	106.891	1.00	0.00	C
ATOM	135	C6	C A	5	-38.679	26.631	106.791	1.00	0.00	C
ATOM	136	C2'	C A	5	-36.892	28.790	105.921	1.00	0.00	C
ATOM	137	C3'	C A	5	-36.967	30.269	106.265	1.00	0.00	C
ATOM	138	O3'	C A	5	-35.646	30.779	106.429	1.00	0.00	O
ATOM	139	C4'	C A	5	-37.755	30.275	107.572	1.00	0.00	C
ATOM	140	O4'	C A	5	-37.358	29.034	108.239	1.00	0.00	O
ATOM	141	C5'	C A	5	-39.261	30.296	107.447	1.00	0.00	C
ATOM	142	O5'	C A	5	-39.670	29.495	106.309	1.00	0.00	O
ATOM	143	O1P	C A	5	-40.655	31.190	104.731	1.00	0.00	O
ATOM	144	O2P	C A	5	-41.438	28.808	104.661	1.00	0.00	O
ATOM	145	P	C A	5	-40.950	29.950	105.473	1.00	0.00	P
ATOM	146	H5	C A	5	-40.280	25.256	106.391	1.00	0.00	H
ATOM	147	H6	C A	5	-39.125	27.433	106.202	1.00	0.00	H
ATOM	148	H1'	C A	5	-35.739	27.996	107.576	1.00	0.00	H
ATOM	149	H3'	C A	5	-37.480	30.842	105.492	1.00	0.00	H
ATOM	150	H4'	C A	5	-37.455	31.169	108.119	1.00	0.00	H
ATOM	151	H41	C A	5	-40.167	23.041	107.379	1.00	0.00	H
ATOM	152	H42	C A	5	-38.804	22.513	108.403	1.00	0.00	H
ATOM	153	H2'1	C A	5	-37.779	28.463	105.381	1.00	0.00	H
ATOM	154	H2'2	C A	5	-36.027	28.570	105.293	1.00	0.00	H
ATOM	155	H5'1	C A	5	-39.701	29.891	108.359	1.00	0.00	H
ATOM	156	H5'2	C A	5	-39.594	31.324	107.315	1.00	0.00	H
ATOM	157	C1'	G A	6	-32.209	26.295	106.868	1.00	0.00	C
ATOM	158	N1	G A	6	-34.622	21.805	107.072	1.00	0.00	N

ATOM	159	C2	G A	6	-33.449	22.212	107.686	1.00	0.00	C
ATOM	160	N2	G A	6	-32.839	21.302	108.454	1.00	0.00	N
ATOM	161	N3	G A	6	-32.931	23.431	107.544	1.00	0.00	N
ATOM	162	C4	G A	6	-33.677	24.217	106.725	1.00	0.00	C
ATOM	163	C5	G A	6	-34.852	23.895	106.068	1.00	0.00	C
ATOM	164	C6	G A	6	-35.406	22.605	106.221	1.00	0.00	C
ATOM	165	O6	G A	6	-36.431	22.135	105.724	1.00	0.00	O
ATOM	166	N7	G A	6	-35.303	24.987	105.322	1.00	0.00	N
ATOM	167	C8	G A	6	-34.408	25.915	105.548	1.00	0.00	C
ATOM	168	N9	G A	6	-33.389	25.523	106.390	1.00	0.00	N
ATOM	169	C2'	G A	6	-31.614	27.219	105.814	1.00	0.00	C
ATOM	170	C3'	G A	6	-31.173	28.410	106.649	1.00	0.00	C
ATOM	171	O3'	G A	6	-29.882	28.150	107.194	1.00	0.00	O
ATOM	172	C4'	G A	6	-32.251	28.486	107.728	1.00	0.00	C
ATOM	173	O4'	G A	6	-32.628	27.092	107.959	1.00	0.00	O
ATOM	174	C5'	G A	6	-33.494	29.271	107.383	1.00	0.00	C
ATOM	175	O5'	G A	6	-33.823	29.079	105.984	1.00	0.00	O
ATOM	176	O1P	G A	6	-33.481	31.363	104.985	1.00	0.00	O
ATOM	177	O2P	G A	6	-35.113	29.770	103.941	1.00	0.00	O
ATOM	178	P	G A	6	-34.475	30.289	105.175	1.00	0.00	P
ATOM	179	H1	G A	6	-34.942	20.840	107.253	1.00	0.00	H
ATOM	180	H8	G A	6	-34.462	26.911	105.109	1.00	0.00	H
ATOM	181	H1'	G A	6	-31.464	25.589	107.234	1.00	0.00	H
ATOM	182	H21	G A	6	-33.248	20.363	108.563	1.00	0.00	H
ATOM	183	H3'	G A	6	-31.138	29.329	106.063	1.00	0.00	H
ATOM	184	H22	G A	6	-31.961	21.542	108.938	1.00	0.00	H
ATOM	185	H4'	G A	6	-31.794	28.953	108.600	1.00	0.00	H
ATOM	186	H2'1	G A	6	-32.345	27.511	105.060	1.00	0.00	H
ATOM	187	H2'2	G A	6	-30.770	26.765	105.294	1.00	0.00	H
ATOM	188	H5'1	G A	6	-34.320	28.930	108.006	1.00	0.00	H
ATOM	189	H5'2	G A	6	-33.315	30.329	107.577	1.00	0.00	H
ATOM	190	C1'	C A	7	-28.915	22.611	106.550	1.00	0.00	C
ATOM	191	N1	C A	7	-30.099	22.645	105.649	1.00	0.00	N
ATOM	192	C2	C A	7	-30.891	21.502	105.568	1.00	0.00	C
ATOM	193	O2	C A	7	-30.583	20.513	106.242	1.00	0.00	O
ATOM	194	N3	C A	7	-31.974	21.514	104.752	1.00	0.00	N
ATOM	195	C4	C A	7	-32.282	22.601	104.033	1.00	0.00	C
ATOM	196	N4	C A	7	-33.353	22.558	103.254	1.00	0.00	N
ATOM	197	C5	C A	7	-31.483	23.789	104.092	1.00	0.00	C
ATOM	198	C6	C A	7	-30.400	23.757	104.924	1.00	0.00	C
ATOM	199	C2'	C A	7	-27.702	23.345	106.000	1.00	0.00	C
ATOM	200	C3'	C A	7	-27.090	23.938	107.261	1.00	0.00	C
ATOM	201	O3'	C A	7	-26.256	22.962	107.881	1.00	0.00	O
ATOM	202	C4'	C A	7	-28.316	24.272	108.107	1.00	0.00	C
ATOM	203	O4'	C A	7	-29.285	23.228	107.769	1.00	0.00	O
ATOM	204	C5'	C A	7	-28.955	25.619	107.861	1.00	0.00	C
ATOM	205	O5'	C A	7	-28.886	25.945	106.451	1.00	0.00	O
ATOM	206	O1P	C A	7	-27.347	27.936	106.387	1.00	0.00	O
ATOM	207	O2P	C A	7	-29.082	27.632	104.600	1.00	0.00	O
ATOM	208	P	C A	7	-28.700	27.470	106.023	1.00	0.00	P
ATOM	209	H5	C A	7	-31.726	24.675	103.504	1.00	0.00	H
ATOM	210	H6	C A	7	-29.766	24.640	105.010	1.00	0.00	H
ATOM	211	H1'	C A	7	-28.678	21.568	106.762	1.00	0.00	H
ATOM	212	H3'	C A	7	-26.504	24.832	107.046	1.00	0.00	H

ATOM	213	H4'	C A	7	-27.999	24.239	109.149	1.00	0.00	H
ATOM	214	H41	C A	7	-33.615	23.381	102.692	1.00	0.00	H
ATOM	215	H42	C A	7	-33.926	21.703	103.209	1.00	0.00	H
ATOM	216	H2'1	C A	7	-27.976	24.123	105.289	1.00	0.00	H
ATOM	217	H2'2	C A	7	-27.003	22.673	105.498	1.00	0.00	H
ATOM	218	H5'1	C A	7	-29.997	25.586	108.181	1.00	0.00	H
ATOM	219	H5'2	C A	7	-28.426	26.376	108.440	1.00	0.00	H
ATOM	220	C1'	A A	8	-27.486	17.990	105.492	1.00	0.00	C
ATOM	221	N1	A A	8	-31.459	18.117	102.246	1.00	0.00	N
ATOM	222	C2	A A	8	-31.015	17.188	103.085	1.00	0.00	C
ATOM	223	N3	A A	8	-29.981	17.220	103.900	1.00	0.00	N
ATOM	224	C4	A A	8	-29.343	18.400	103.793	1.00	0.00	C
ATOM	225	C5	A A	8	-29.669	19.452	102.984	1.00	0.00	C
ATOM	226	C6	A A	8	-30.804	19.284	102.163	1.00	0.00	C
ATOM	227	N6	A A	8	-31.243	20.231	101.316	1.00	0.00	N
ATOM	228	N7	A A	8	-28.782	20.502	103.147	1.00	0.00	N
ATOM	229	C8	A A	8	-27.943	20.065	104.041	1.00	0.00	C
ATOM	230	N9	A A	8	-28.223	18.797	104.481	1.00	0.00	N
ATOM	231	C2'	A A	8	-25.974	18.166	105.436	1.00	0.00	C
ATOM	232	C3'	A A	8	-25.590	18.078	106.904	1.00	0.00	C
ATOM	233	O3'	A A	8	-25.450	16.707	107.267	1.00	0.00	O
ATOM	234	C4'	A A	8	-26.773	18.742	107.607	1.00	0.00	C
ATOM	235	O4'	A A	8	-27.927	18.399	106.773	1.00	0.00	O
ATOM	236	C5'	A A	8	-26.709	20.244	107.750	1.00	0.00	C
ATOM	237	O5'	A A	8	-26.094	20.825	106.572	1.00	0.00	O
ATOM	238	O1P	A A	8	-23.944	21.792	107.457	1.00	0.00	O
ATOM	239	O2P	A A	8	-25.026	22.787	105.422	1.00	0.00	O
ATOM	240	P	A A	8	-25.191	22.129	106.742	1.00	0.00	P
ATOM	241	H2	A A	8	-31.590	16.262	103.102	1.00	0.00	H
ATOM	242	H8	A A	8	-27.099	20.650	104.405	1.00	0.00	H
ATOM	243	H1'	A A	8	-27.764	16.944	105.360	1.00	0.00	H
ATOM	244	H3'	A A	8	-24.660	18.605	107.115	1.00	0.00	H
ATOM	245	H4'	A A	8	-26.828	18.314	108.607	1.00	0.00	H
ATOM	246	H61	A A	8	-32.079	20.060	100.741	1.00	0.00	H
ATOM	247	H62	A A	8	-30.743	21.130	101.246	1.00	0.00	H
ATOM	248	H2'1	A A	8	-25.686	19.125	105.007	1.00	0.00	H
ATOM	249	H2'2	A A	8	-25.490	17.386	104.850	1.00	0.00	H
ATOM	250	H5'1	A A	8	-27.721	20.634	107.866	1.00	0.00	H
ATOM	251	H5'2	A A	8	-26.124	20.496	108.633	1.00	0.00	H
ATOM	252	C1'	C A	9	-27.869	13.669	103.077	1.00	0.00	C
ATOM	253	N1	C A	9	-27.839	14.952	102.323	1.00	0.00	N
ATOM	254	C2	C A	9	-28.844	15.182	101.385	1.00	0.00	C
ATOM	255	O2	C A	9	-29.712	14.317	101.216	1.00	0.00	O
ATOM	256	N3	C A	9	-28.834	16.345	100.689	1.00	0.00	N
ATOM	257	C4	C A	9	-27.879	17.262	100.893	1.00	0.00	C
ATOM	258	N4	C A	9	-27.920	18.383	100.187	1.00	0.00	N
ATOM	259	C5	C A	9	-26.831	17.051	101.849	1.00	0.00	C
ATOM	260	C6	C A	9	-26.864	15.874	102.542	1.00	0.00	C
ATOM	261	C2'	C A	9	-26.492	13.074	103.328	1.00	0.00	C
ATOM	262	C3'	C A	9	-26.661	12.453	104.708	1.00	0.00	C
ATOM	263	O3'	C A	9	-27.232	11.153	104.569	1.00	0.00	O
ATOM	264	C4'	C A	9	-27.609	13.428	105.404	1.00	0.00	C
ATOM	265	O4'	C A	9	-28.474	13.920	104.332	1.00	0.00	O
ATOM	266	C5'	C A	9	-26.968	14.611	106.089	1.00	0.00	C

ATOM	267	O5'	C	A	9	-25.829	15.069	105.316	1.00	0.00	O
ATOM	268	O1P	C	A	9	-23.871	14.588	106.821	1.00	0.00	O
ATOM	269	O2P	C	A	9	-23.734	16.446	105.141	1.00	0.00	O
ATOM	270	P	C	A	9	-24.566	15.663	106.087	1.00	0.00	P
ATOM	271	H5	C	A	9	-26.049	17.792	102.014	1.00	0.00	H
ATOM	272	H6	C	A	9	-26.093	15.672	103.286	1.00	0.00	H
ATOM	273	H1'	C	A	9	-28.503	12.970	102.532	1.00	0.00	H
ATOM	274	H3'	C	A	9	-25.713	12.377	105.240	1.00	0.00	H
ATOM	275	H4'	C	A	9	-28.149	12.858	106.160	1.00	0.00	H
ATOM	276	H41	C	A	9	-27.199	19.106	100.326	1.00	0.00	H
ATOM	277	H42	C	A	9	-28.673	18.531	99.499	1.00	0.00	H
ATOM	278	H2'1	C	A	9	-25.707	13.829	103.329	1.00	0.00	H
ATOM	279	H2'2	C	A	9	-26.222	12.321	102.585	1.00	0.00	H
ATOM	280	H5'1	C	A	9	-27.700	15.415	106.177	1.00	0.00	H
ATOM	281	H5'2	C	A	9	-26.641	14.315	107.085	1.00	0.00	H
ATOM	282	C1'	C	A	10	-29.210	10.796	99.272	1.00	0.00	C
ATOM	283	N1	C	A	10	-28.425	12.038	99.040	1.00	0.00	N
ATOM	284	C2	C	A	10	-28.902	12.945	98.096	1.00	0.00	C
ATOM	285	O2	C	A	10	-29.951	12.684	97.492	1.00	0.00	O
ATOM	286	N3	C	A	10	-28.202	14.084	97.870	1.00	0.00	N
ATOM	287	C4	C	A	10	-27.069	14.339	98.537	1.00	0.00	C
ATOM	288	N4	C	A	10	-26.425	15.469	98.279	1.00	0.00	N
ATOM	289	C5	C	A	10	-26.552	13.423	99.510	1.00	0.00	C
ATOM	290	C6	C	A	10	-27.277	12.285	99.725	1.00	0.00	C
ATOM	291	C2'	C	A	10	-28.351	9.563	99.515	1.00	0.00	C
ATOM	292	C3'	C	A	10	-29.179	8.797	100.536	1.00	0.00	C
ATOM	293	O3'	C	A	10	-30.158	8.018	99.855	1.00	0.00	O
ATOM	294	C4'	C	A	10	-29.805	9.912	101.371	1.00	0.00	C
ATOM	295	O4'	C	A	10	-30.014	11.002	100.420	1.00	0.00	O
ATOM	296	C5'	C	A	10	-28.980	10.430	102.527	1.00	0.00	C
ATOM	297	O5'	C	A	10	-27.576	10.442	102.160	1.00	0.00	O
ATOM	298	O1P	C	A	10	-26.560	8.723	103.691	1.00	0.00	O
ATOM	299	O2P	C	A	10	-25.161	10.617	102.826	1.00	0.00	O
ATOM	300	P	C	A	10	-26.488	10.140	103.285	1.00	0.00	P
ATOM	301	H5	C	A	10	-25.627	13.623	100.053	1.00	0.00	H
ATOM	302	H6	C	A	10	-26.928	11.561	100.463	1.00	0.00	H
ATOM	303	H1'	C	A	10	-29.875	10.648	98.421	1.00	0.00	H
ATOM	304	H3'	C	A	10	-28.561	8.142	101.152	1.00	0.00	H
ATOM	305	H4'	C	A	10	-30.736	9.516	101.779	1.00	0.00	H
ATOM	306	H41	C	A	10	-25.553	15.690	98.779	1.00	0.00	H
ATOM	307	H42	C	A	10	-26.798	16.124	97.576	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-27.367	9.815	99.911	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-28.200	8.978	98.606	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-29.306	11.442	102.773	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-29.130	9.784	103.390	1.00	0.00	H
ATOM	312	C1'	T	A	11	-30.374	9.926	94.540	1.00	0.00	C
ATOM	313	N1	T	A	11	-29.124	10.656	94.879	1.00	0.00	N
ATOM	314	C2	T	A	11	-28.906	11.860	94.239	1.00	0.00	C
ATOM	315	O2	T	A	11	-29.684	12.328	93.427	1.00	0.00	O
ATOM	316	N3	T	A	11	-27.732	12.506	94.583	1.00	0.00	N
ATOM	317	C4	T	A	11	-26.785	12.063	95.484	1.00	0.00	C
ATOM	318	O4	T	A	11	-25.767	12.730	95.710	1.00	0.00	O
ATOM	319	C5	T	A	11	-27.101	10.797	96.101	1.00	0.00	C
ATOM	320	C6	T	A	11	-28.236	10.141	95.790	1.00	0.00	C

ATOM	321	C7	T A	11	-26.100	10.280	97.090	1.00	0.00	C
ATOM	322	C2'	T A	11	-30.204	8.414	94.477	1.00	0.00	C
ATOM	323	C3'	T A	11	-31.534	7.921	95.025	1.00	0.00	C
ATOM	324	O3'	T A	11	-32.493	7.888	93.970	1.00	0.00	O
ATOM	325	C4'	T A	11	-31.875	8.969	96.082	1.00	0.00	C
ATOM	326	O4'	T A	11	-31.330	10.215	95.543	1.00	0.00	O
ATOM	327	C5'	T A	11	-31.300	8.745	97.462	1.00	0.00	C
ATOM	328	O5'	T A	11	-29.973	8.172	97.351	1.00	0.00	O
ATOM	329	O1P	T A	11	-30.249	5.872	98.335	1.00	0.00	O
ATOM	330	O2P	T A	11	-28.014	7.009	98.412	1.00	0.00	O
ATOM	331	P	T A	11	-29.491	7.132	98.459	1.00	0.00	P
ATOM	332	H3	T A	11	-27.546	13.408	94.124	1.00	0.00	H
ATOM	333	H6	T A	11	-28.454	9.186	96.269	1.00	0.00	H
ATOM	334	H1'	T A	11	-30.753	10.316	93.595	1.00	0.00	H
ATOM	335	H3'	T A	11	-31.451	6.929	95.467	1.00	0.00	H
ATOM	336	H4'	T A	11	-32.962	8.985	96.174	1.00	0.00	H
ATOM	337	H71	T A	11	-25.649	9.364	96.706	1.00	0.00	H
ATOM	338	H72	T A	11	-25.322	11.029	97.246	1.00	0.00	H
ATOM	339	H73	T A	11	-26.596	10.071	98.037	1.00	0.00	H
ATOM	340	H2'1	T A	11	-29.372	8.066	95.086	1.00	0.00	H
ATOM	341	H2'2	T A	11	-30.037	8.058	93.459	1.00	0.00	H
ATOM	342	H5'1	T A	11	-31.246	9.698	97.986	1.00	0.00	H
ATOM	343	H5'2	T A	11	-31.950	8.066	98.013	1.00	0.00	H
ATOM	344	C1'	A A	12	-30.263	10.915	89.677	1.00	0.00	C
ATOM	345	N1	A A	12	-25.841	13.255	90.822	1.00	0.00	N
ATOM	346	C2	A A	12	-26.858	13.590	90.034	1.00	0.00	C
ATOM	347	N3	A A	12	-27.975	12.938	89.785	1.00	0.00	N
ATOM	348	C4	A A	12	-27.997	11.779	90.465	1.00	0.00	C
ATOM	349	C5	A A	12	-27.041	11.290	91.309	1.00	0.00	C
ATOM	350	C6	A A	12	-25.893	12.092	91.488	1.00	0.00	C
ATOM	351	N6	A A	12	-24.871	11.740	92.287	1.00	0.00	N
ATOM	352	N7	A A	12	-27.413	10.063	91.830	1.00	0.00	N
ATOM	353	C8	A A	12	-28.575	9.835	91.292	1.00	0.00	C
ATOM	354	N9	A A	12	-28.996	10.835	90.453	1.00	0.00	N
ATOM	355	C2'	A A	12	-30.719	9.577	89.112	1.00	0.00	C
ATOM	356	C3'	A A	12	-32.233	9.684	89.224	1.00	0.00	C
ATOM	357	O3'	A A	12	-32.738	10.375	88.083	1.00	0.00	O
ATOM	358	C4'	A A	12	-32.422	10.483	90.513	1.00	0.00	C
ATOM	359	O4'	A A	12	-31.272	11.387	90.549	1.00	0.00	O
ATOM	360	C5'	A A	12	-32.453	9.687	91.796	1.00	0.00	C
ATOM	361	O5'	A A	12	-31.517	8.581	91.710	1.00	0.00	O
ATOM	362	O1P	A A	12	-33.008	6.554	91.755	1.00	0.00	O
ATOM	363	O2P	A A	12	-30.649	6.397	92.597	1.00	0.00	O
ATOM	364	P	A A	12	-31.879	7.212	92.442	1.00	0.00	P
ATOM	365	H2	A A	12	-26.752	14.544	89.519	1.00	0.00	H
ATOM	366	H8	A A	12	-29.159	8.936	91.488	1.00	0.00	H
ATOM	367	H1'	A A	12	-30.132	11.649	88.885	1.00	0.00	H
ATOM	368	H3'	A A	12	-32.708	8.707	89.294	1.00	0.00	H
ATOM	369	H4'	A A	12	-33.374	11.006	90.422	1.00	0.00	H
ATOM	370	H61	A A	12	-24.057	12.364	92.385	1.00	0.00	H
ATOM	371	H62	A A	12	-24.903	10.848	92.801	1.00	0.00	H
ATOM	372	H2'1	A A	12	-30.340	8.732	89.686	1.00	0.00	H
ATOM	373	H2'2	A A	12	-30.407	9.437	88.077	1.00	0.00	H
ATOM	374	H5'1	A A	12	-32.178	10.337	92.626	1.00	0.00	H

ATOM	375	H5'2	A	A	12	-33.459	9.305	91.958	1.00	0.00	H
ATOM	376	C1'	G	A	13	-28.238	12.853	85.581	1.00	0.00	C
ATOM	377	N1	G	A	13	-23.871	12.365	88.172	1.00	0.00	N
ATOM	378	C2	G	A	13	-24.322	13.407	87.383	1.00	0.00	C
ATOM	379	N2	G	A	13	-23.501	14.459	87.264	1.00	0.00	N
ATOM	380	N3	G	A	13	-25.499	13.401	86.759	1.00	0.00	N
ATOM	381	C4	G	A	13	-26.196	12.256	86.983	1.00	0.00	C
ATOM	382	C5	G	A	13	-25.824	11.165	87.750	1.00	0.00	C
ATOM	383	C6	G	A	13	-24.576	11.172	88.415	1.00	0.00	C
ATOM	384	O6	G	A	13	-24.075	10.307	89.133	1.00	0.00	O
ATOM	385	N7	G	A	13	-26.824	10.191	87.721	1.00	0.00	N
ATOM	386	C8	G	A	13	-27.750	10.711	86.957	1.00	0.00	C
ATOM	387	N9	G	A	13	-27.441	11.964	86.470	1.00	0.00	N
ATOM	388	C2'	G	A	13	-29.006	12.109	84.498	1.00	0.00	C
ATOM	389	C3'	G	A	13	-30.282	12.928	84.393	1.00	0.00	C
ATOM	390	O3'	G	A	13	-30.059	14.032	83.519	1.00	0.00	O
ATOM	391	C4'	G	A	13	-30.520	13.374	85.836	1.00	0.00	C
ATOM	392	O4'	G	A	13	-29.175	13.542	86.387	1.00	0.00	O
ATOM	393	C5'	G	A	13	-31.286	12.414	86.716	1.00	0.00	C
ATOM	394	O5'	G	A	13	-30.928	11.050	86.384	1.00	0.00	O
ATOM	395	O1P	G	A	13	-33.060	10.100	85.441	1.00	0.00	O
ATOM	396	O2P	G	A	13	-31.388	8.585	86.538	1.00	0.00	O
ATOM	397	P	G	A	13	-32.043	9.915	86.494	1.00	0.00	P
ATOM	398	H1	G	A	13	-22.945	12.472	88.617	1.00	0.00	H
ATOM	399	H8	G	A	13	-28.684	10.200	86.725	1.00	0.00	H
ATOM	400	H1'	G	A	13	-27.564	13.591	85.144	1.00	0.00	H
ATOM	401	H21	G	A	13	-22.592	14.457	87.753	1.00	0.00	H
ATOM	402	H3'	G	A	13	-31.119	12.337	84.021	1.00	0.00	H
ATOM	403	H22	G	A	13	-23.777	15.265	86.689	1.00	0.00	H
ATOM	404	H4'	G	A	13	-31.081	14.306	85.791	1.00	0.00	H
ATOM	405	H2'1	G	A	13	-29.220	11.077	84.778	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-28.469	12.086	83.550	1.00	0.00	H
ATOM	407	H5'1	G	A	13	-31.046	12.617	87.759	1.00	0.00	H
ATOM	408	H5'2	G	A	13	-32.355	12.564	86.561	1.00	0.00	H
ATOM	409	C1'	G	A	14	-24.460	14.466	82.813	1.00	0.00	C
ATOM	410	N1	G	A	14	-21.715	11.306	85.730	1.00	0.00	N
ATOM	411	C2	G	A	14	-21.430	12.590	85.301	1.00	0.00	C
ATOM	412	N2	G	A	14	-20.258	13.100	85.698	1.00	0.00	N
ATOM	413	N3	G	A	14	-22.250	13.308	84.535	1.00	0.00	N
ATOM	414	C4	G	A	14	-23.387	12.633	84.222	1.00	0.00	C
ATOM	415	C5	G	A	14	-23.752	11.353	84.601	1.00	0.00	C
ATOM	416	C6	G	A	14	-22.886	10.592	85.416	1.00	0.00	C
ATOM	417	O6	G	A	14	-23.032	9.449	85.851	1.00	0.00	O
ATOM	418	N7	G	A	14	-25.003	11.031	84.064	1.00	0.00	N
ATOM	419	C8	G	A	14	-25.347	12.101	83.398	1.00	0.00	C
ATOM	420	N9	G	A	14	-24.417	13.119	83.445	1.00	0.00	N
ATOM	421	C2'	G	A	14	-25.091	14.474	81.428	1.00	0.00	C
ATOM	422	C3'	G	A	14	-25.817	15.810	81.418	1.00	0.00	C
ATOM	423	O3'	G	A	14	-24.902	16.837	81.040	1.00	0.00	O
ATOM	424	C4'	G	A	14	-26.282	15.955	82.866	1.00	0.00	C
ATOM	425	O4'	G	A	14	-25.230	15.308	83.649	1.00	0.00	O
ATOM	426	C5'	G	A	14	-27.606	15.315	83.211	1.00	0.00	C
ATOM	427	O5'	G	A	14	-27.756	14.073	82.479	1.00	0.00	O
ATOM	428	O1P	G	A	14	-29.684	14.542	80.930	1.00	0.00	O

ATOM	429	O2P	G A	14	-29.212	12.191	81.670	1.00	0.00	O
ATOM	430	P	G A	14	-29.213	13.639	81.998	1.00	0.00	P
ATOM	431	H1	G A	14	-21.014	10.838	86.326	1.00	0.00	H
ATOM	432	H8	G A	14	-26.287	12.184	82.852	1.00	0.00	H
ATOM	433	H1'	G A	14	-23.445	14.861	82.782	1.00	0.00	H
ATOM	434	H21	G A	14	-19.630	12.540	86.294	1.00	0.00	H
ATOM	435	H3'	G A	14	-26.663	15.810	80.730	1.00	0.00	H
ATOM	436	H22	G A	14	-19.985	14.049	85.410	1.00	0.00	H
ATOM	437	H4'	G A	14	-26.366	17.023	83.066	1.00	0.00	H
ATOM	438	H2'1	G A	14	-25.784	13.645	81.285	1.00	0.00	H
ATOM	439	H2'2	G A	14	-24.346	14.419	80.634	1.00	0.00	H
ATOM	440	H5'1	G A	14	-27.638	15.117	84.283	1.00	0.00	H
ATOM	441	H5'2	G A	14	-28.414	15.999	82.950	1.00	0.00	H
ATOM	442	C1'	A A	15	-19.709	14.656	81.436	1.00	0.00	C
ATOM	443	N1	A A	15	-19.528	9.945	83.464	1.00	0.00	N
ATOM	444	C2	A A	15	-18.699	10.984	83.527	1.00	0.00	C
ATOM	445	N3	A A	15	-18.809	12.177	82.981	1.00	0.00	N
ATOM	446	C4	A A	15	-19.950	12.260	82.273	1.00	0.00	C
ATOM	447	C5	A A	15	-20.900	11.292	82.106	1.00	0.00	C
ATOM	448	C6	A A	15	-20.659	10.059	82.750	1.00	0.00	C
ATOM	449	N6	A A	15	-21.503	9.016	82.677	1.00	0.00	N
ATOM	450	N7	A A	15	-21.938	11.741	81.310	1.00	0.00	N
ATOM	451	C8	A A	15	-21.596	12.960	81.011	1.00	0.00	C
ATOM	452	N9	A A	15	-20.400	13.346	81.561	1.00	0.00	N
ATOM	453	C2'	A A	15	-19.838	15.288	80.056	1.00	0.00	C
ATOM	454	C3'	A A	15	-19.925	16.770	80.393	1.00	0.00	C
ATOM	455	O3'	A A	15	-18.609	17.292	80.544	1.00	0.00	O
ATOM	456	C4'	A A	15	-20.703	16.774	81.709	1.00	0.00	C
ATOM	457	O4'	A A	15	-20.287	15.540	82.377	1.00	0.00	O
ATOM	458	C5'	A A	15	-22.208	16.779	81.597	1.00	0.00	C
ATOM	459	O5'	A A	15	-22.621	15.970	80.467	1.00	0.00	O
ATOM	460	O1P	A A	15	-23.636	17.647	78.889	1.00	0.00	O
ATOM	461	O2P	A A	15	-24.396	15.255	78.838	1.00	0.00	O
ATOM	462	P	A A	15	-23.913	16.406	79.640	1.00	0.00	P
ATOM	463	H2	A A	15	-17.798	10.824	84.120	1.00	0.00	H
ATOM	464	H8	A A	15	-22.201	13.614	80.382	1.00	0.00	H
ATOM	465	H1'	A A	15	-18.663	14.516	81.705	1.00	0.00	H
ATOM	466	H3'	A A	15	-20.452	17.333	79.623	1.00	0.00	H
ATOM	467	H4'	A A	15	-20.405	17.672	82.248	1.00	0.00	H
ATOM	468	H61	A A	15	-21.281	8.140	83.169	1.00	0.00	H
ATOM	469	H62	A A	15	-22.372	9.096	82.130	1.00	0.00	H
ATOM	470	H2'1	A A	15	-20.729	14.949	79.529	1.00	0.00	H
ATOM	471	H2'2	A A	15	-18.978	15.076	79.422	1.00	0.00	H
ATOM	472	H5'1	A A	15	-22.636	16.375	82.515	1.00	0.00	H
ATOM	473	H5'2	A A	15	-22.554	17.803	81.462	1.00	0.00	H
ATOM	474	C1'	C A	16	-15.129	12.783	81.019	1.00	0.00	C
ATOM	475	N1	C A	16	-16.307	12.005	80.546	1.00	0.00	N
ATOM	476	C2	C A	16	-16.444	10.691	80.988	1.00	0.00	C
ATOM	477	O2	C A	16	-15.586	10.227	81.750	1.00	0.00	O
ATOM	478	N3	C A	16	-17.508	9.967	80.568	1.00	0.00	N
ATOM	479	C4	C A	16	-18.419	10.497	79.743	1.00	0.00	C
ATOM	480	N4	C A	16	-19.443	9.744	79.367	1.00	0.00	N
ATOM	481	C5	C A	16	-18.304	11.845	79.267	1.00	0.00	C
ATOM	482	C6	C A	16	-17.225	12.558	79.706	1.00	0.00	C

ATOM	483	C2'	C A	16	-14.535	13.703	79.962	1.00	0.00	C
ATOM	484	C3'	C A	16	-14.098	14.900	80.793	1.00	0.00	C
ATOM	485	O3'	C A	16	-12.806	14.645	81.337	1.00	0.00	O
ATOM	486	C4'	C A	16	-15.176	14.976	81.870	1.00	0.00	C
ATOM	487	O4'	C A	16	-15.552	13.583	82.108	1.00	0.00	O
ATOM	488	C5'	C A	16	-16.421	15.759	81.520	1.00	0.00	C
ATOM	489	O5'	C A	16	-16.749	15.559	80.121	1.00	0.00	O
ATOM	490	O1P	C A	16	-16.410	17.841	79.113	1.00	0.00	O
ATOM	491	O2P	C A	16	-18.039	16.239	78.075	1.00	0.00	O
ATOM	492	P	C A	16	-17.403	16.764	79.307	1.00	0.00	P
ATOM	493	H5	C A	16	-19.040	12.278	78.588	1.00	0.00	H
ATOM	494	H6	C A	16	-17.098	13.591	79.379	1.00	0.00	H
ATOM	495	H1'	C A	16	-14.383	12.079	81.390	1.00	0.00	H
ATOM	496	H3'	C A	16	-14.066	15.816	80.200	1.00	0.00	H
ATOM	497	H4'	C A	16	-14.721	15.450	82.739	1.00	0.00	H
ATOM	498	H41	C A	16	-20.160	10.129	78.733	1.00	0.00	H
ATOM	499	H42	C A	16	-19.523	8.775	79.707	1.00	0.00	H
ATOM	500	H2'1	C A	16	-15.266	13.991	79.206	1.00	0.00	H
ATOM	501	H2'2	C A	16	-13.690	13.247	79.444	1.00	0.00	H
ATOM	502	H5'1	C A	16	-17.247	15.416	82.146	1.00	0.00	H
ATOM	503	H5'2	C A	16	-16.244	16.817	81.709	1.00	0.00	H
ATOM	504	C1'	G A	17	-11.837	9.098	80.701	1.00	0.00	C
ATOM	505	N1	G A	17	-15.815	6.455	78.905	1.00	0.00	N
ATOM	506	C2	G A	17	-14.832	6.081	79.804	1.00	0.00	C
ATOM	507	N2	G A	17	-14.920	4.835	80.286	1.00	0.00	N
ATOM	508	N3	G A	17	-13.842	6.883	80.190	1.00	0.00	N
ATOM	509	C4	G A	17	-13.905	8.103	79.595	1.00	0.00	C
ATOM	510	C5	G A	17	-14.842	8.565	78.687	1.00	0.00	C
ATOM	511	C6	G A	17	-15.897	7.716	78.278	1.00	0.00	C
ATOM	512	O6	G A	17	-16.815	7.939	77.489	1.00	0.00	O
ATOM	513	N7	G A	17	-14.550	9.879	78.314	1.00	0.00	N
ATOM	514	C8	G A	17	-13.472	10.167	78.996	1.00	0.00	C
ATOM	515	N9	G A	17	-13.018	9.139	79.798	1.00	0.00	N
ATOM	516	C2'	G A	17	-10.621	9.835	80.156	1.00	0.00	C
ATOM	517	C3'	G A	17	-10.012	10.421	81.418	1.00	0.00	C
ATOM	518	O3'	G A	17	-9.179	9.442	82.035	1.00	0.00	O
ATOM	519	C4'	G A	17	-11.240	10.752	82.265	1.00	0.00	C
ATOM	520	O4'	G A	17	-12.206	9.710	81.922	1.00	0.00	O
ATOM	521	C5'	G A	17	-11.875	12.102	82.025	1.00	0.00	C
ATOM	522	O5'	G A	17	-11.805	12.433	80.617	1.00	0.00	O
ATOM	523	O1P	G A	17	-10.264	14.423	80.564	1.00	0.00	O
ATOM	524	O2P	G A	17	-11.996	14.130	78.773	1.00	0.00	O
ATOM	525	P	G A	17	-11.616	13.960	80.197	1.00	0.00	P
ATOM	526	H1	G A	17	-16.541	5.760	78.677	1.00	0.00	H
ATOM	527	H8	G A	17	-12.973	11.135	78.938	1.00	0.00	H
ATOM	528	H1'	G A	17	-11.600	8.053	80.907	1.00	0.00	H
ATOM	529	H21	G A	17	-15.690	4.221	79.986	1.00	0.00	H
ATOM	530	H3'	G A	17	-9.424	11.316	81.211	1.00	0.00	H
ATOM	531	H22	G A	17	-14.217	4.493	80.958	1.00	0.00	H
ATOM	532	H4'	G A	17	-10.924	10.713	83.308	1.00	0.00	H
ATOM	533	H2'1	G A	17	-10.895	10.616	79.446	1.00	0.00	H
ATOM	534	H2'2	G A	17	-9.923	9.164	79.651	1.00	0.00	H
ATOM	535	H5'1	G A	17	-12.917	12.067	82.345	1.00	0.00	H
ATOM	536	H5'2	G A	17	-11.347	12.855	82.610	1.00	0.00	H

ATOM	537	C1'	G A	18	-10.428	4.472	79.630	1.00	0.00	C
ATOM	538	N1	G A	18	-14.371	4.624	76.396	1.00	0.00	N
ATOM	539	C2	G A	18	-13.960	3.615	77.249	1.00	0.00	C
ATOM	540	N2	G A	18	-14.697	2.496	77.237	1.00	0.00	N
ATOM	541	N3	G A	18	-12.901	3.715	78.049	1.00	0.00	N
ATOM	542	C4	G A	18	-12.269	4.911	77.925	1.00	0.00	C
ATOM	543	C5	G A	18	-12.604	5.973	77.101	1.00	0.00	C
ATOM	544	C6	G A	18	-13.732	5.870	76.253	1.00	0.00	C
ATOM	545	O6	G A	18	-14.183	6.696	75.459	1.00	0.00	O
ATOM	546	N7	G A	18	-11.698	7.021	77.272	1.00	0.00	N
ATOM	547	C8	G A	18	-10.866	6.575	78.177	1.00	0.00	C
ATOM	548	N9	G A	18	-11.146	5.299	78.621	1.00	0.00	N
ATOM	549	C2'	G A	18	-8.914	4.627	79.585	1.00	0.00	C
ATOM	550	C3'	G A	18	-8.541	4.521	81.054	1.00	0.00	C
ATOM	551	O3'	G A	18	-8.420	3.145	81.408	1.00	0.00	O
ATOM	552	C4'	G A	18	-9.718	5.196	81.755	1.00	0.00	C
ATOM	553	O4'	G A	18	-10.870	4.875	80.912	1.00	0.00	O
ATOM	554	C5'	G A	18	-9.636	6.696	81.911	1.00	0.00	C
ATOM	555	O5'	G A	18	-9.004	7.277	80.743	1.00	0.00	O
ATOM	556	O1P	G A	18	-6.848	8.208	81.649	1.00	0.00	O
ATOM	557	O2P	G A	18	-7.902	9.235	79.617	1.00	0.00	O
ATOM	558	P	G A	18	-8.084	8.567	80.930	1.00	0.00	P
ATOM	559	H1	G A	18	-15.210	4.450	75.822	1.00	0.00	H
ATOM	560	H8	G A	18	-10.022	7.158	78.547	1.00	0.00	H
ATOM	561	H1'	G A	18	-10.719	3.432	79.486	1.00	0.00	H
ATOM	562	H21	G A	18	-15.517	2.429	76.616	1.00	0.00	H
ATOM	563	H3'	G A	18	-7.604	5.035	81.277	1.00	0.00	H
ATOM	564	H22	G A	18	-14.442	1.707	77.846	1.00	0.00	H
ATOM	565	H4'	G A	18	-9.786	4.761	82.751	1.00	0.00	H
ATOM	566	H2'1	G A	18	-8.609	5.587	79.166	1.00	0.00	H
ATOM	567	H2'2	G A	18	-8.436	3.846	78.996	1.00	0.00	H
ATOM	568	H5'1	G A	18	-10.642	7.099	82.025	1.00	0.00	H
ATOM	569	H5'2	G A	18	-9.054	6.932	82.801	1.00	0.00	H
ATOM	570	C1'	T A	19	-10.774	0.150	77.244	1.00	0.00	C
ATOM	571	N1	T A	19	-10.763	1.425	76.479	1.00	0.00	N
ATOM	572	C2	T A	19	-11.771	1.616	75.557	1.00	0.00	C
ATOM	573	O2	T A	19	-12.647	0.792	75.357	1.00	0.00	O
ATOM	574	N3	T A	19	-11.723	2.816	74.870	1.00	0.00	N
ATOM	575	C4	T A	19	-10.778	3.809	75.017	1.00	0.00	C
ATOM	576	O4	T A	19	-10.836	4.843	74.340	1.00	0.00	O
ATOM	577	C5	T A	19	-9.764	3.519	76.003	1.00	0.00	C
ATOM	578	C6	T A	19	-9.781	2.362	76.693	1.00	0.00	C
ATOM	579	C7	T A	19	-8.717	4.575	76.200	1.00	0.00	C
ATOM	580	C2'	T A	19	-9.388	-0.429	77.496	1.00	0.00	C
ATOM	581	C3'	T A	19	-9.545	-1.038	78.880	1.00	0.00	C
ATOM	582	O3'	T A	19	-10.101	-2.345	78.757	1.00	0.00	O
ATOM	583	C4'	T A	19	-10.499	-0.067	79.571	1.00	0.00	C
ATOM	584	O4'	T A	19	-11.374	0.403	78.499	1.00	0.00	O
ATOM	585	C5'	T A	19	-9.869	1.131	80.244	1.00	0.00	C
ATOM	586	O5'	T A	19	-8.740	1.594	79.461	1.00	0.00	O
ATOM	587	O1P	T A	19	-6.769	1.148	80.960	1.00	0.00	O
ATOM	588	O2P	T A	19	-6.662	2.992	79.262	1.00	0.00	O
ATOM	589	P	T A	19	-7.480	2.209	80.219	1.00	0.00	P
ATOM	590	H3	T A	19	-12.468	2.984	74.178	1.00	0.00	H

ATOM	591	H6	T A	19	-9.005	2.165	77.433	1.00	0.00	H
ATOM	592	H1'	T A	19	-11.403	-0.563	76.709	1.00	0.00	H
ATOM	593	H3'	T A	19	-8.593	-1.099	79.408	1.00	0.00	H
ATOM	594	H4'	T A	19	-11.029	-0.636	80.336	1.00	0.00	H
ATOM	595	H71	T A	19	-7.749	4.190	75.881	1.00	0.00	H
ATOM	596	H72	T A	19	-8.972	5.453	75.605	1.00	0.00	H
ATOM	597	H73	T A	19	-8.669	4.852	77.253	1.00	0.00	H
ATOM	598	H2'1	T A	19	-8.614	0.337	77.484	1.00	0.00	H
ATOM	599	H2'2	T A	19	-9.113	-1.183	76.758	1.00	0.00	H
ATOM	600	H5'1	T A	19	-10.609	1.925	80.328	1.00	0.00	H
ATOM	601	H5'2	T A	19	-9.534	0.847	81.240	1.00	0.00	H
ATOM	602	C01	LNK A	20	-8.485	-5.609	77.991	0.00	0.00	C
ATOM	603	O1	LNK A	20	-8.432	-4.192	78.169	1.00	0.00	O
ATOM	604	S	LNK A	20	-6.076	-8.595	76.926	0.00	0.00	S
ATOM	605	C02	LNK A	20	-7.099	-6.123	77.554	0.00	0.00	C
ATOM	606	C03	LNK A	20	-7.271	-7.275	76.547	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-8.756	-2.345	76.489	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-10.490	-4.146	76.727	1.00	0.00	O
ATOM	609	P	LNK A	20	-9.474	-3.280	77.377	1.00	0.00	P
ATOM	610	H01	LNK A	20	-9.220	-5.855	77.225	0.00	0.00	H
ATOM	611	H02	LNK A	20	-8.766	-6.084	78.932	0.00	0.00	H
ATOM	612	H03	LNK A	20	-7.096	-6.905	75.537	0.00	0.00	H
ATOM	613	H04	LNK A	20	-6.552	-6.480	78.428	0.00	0.00	H
ATOM	614	H05	LNK A	20	-6.542	-5.311	77.086	0.00	0.00	H
ATOM	615	H06	LNK A	20	-8.285	-7.671	76.619	0.00	0.00	H
ATOM	616	AU	LNK A	20	-6.082	-9.060	76.422			
TER										
ATOM	618	C1'	A B	2	-17.795	3.520	69.612	1.00	0.00	C
ATOM	619	N1	A B	2	-13.844	3.313	72.880	1.00	0.00	N
ATOM	620	C2	A B	2	-14.833	2.467	72.613	1.00	0.00	C
ATOM	621	N3	A B	2	-15.822	2.581	71.752	1.00	0.00	N
ATOM	622	C4	A B	2	-15.738	3.756	71.101	1.00	0.00	C
ATOM	623	C5	A B	2	-14.792	4.728	71.257	1.00	0.00	C
ATOM	624	C6	A B	2	-13.785	4.476	72.214	1.00	0.00	C
ATOM	625	N6	A B	2	-12.789	5.339	72.476	1.00	0.00	N
ATOM	626	N7	A B	2	-15.029	5.798	70.412	1.00	0.00	N
ATOM	627	C8	A B	2	-16.107	5.455	69.772	1.00	0.00	C
ATOM	628	N9	A B	2	-16.594	4.226	70.134	1.00	0.00	N
ATOM	629	C2'	A B	2	-18.970	4.443	69.315	1.00	0.00	C
ATOM	630	C3'	A B	2	-19.583	3.793	68.087	1.00	0.00	C
ATOM	631	O3'	A B	2	-20.464	2.750	68.500	1.00	0.00	O
ATOM	632	C4'	A B	2	-18.361	3.254	67.342	1.00	0.00	C
ATOM	633	O4'	A B	2	-17.426	2.881	68.404	1.00	0.00	O
ATOM	634	C5'	A B	2	-17.669	4.216	66.405	1.00	0.00	C
ATOM	635	O5'	A B	2	-17.696	5.552	66.965	1.00	0.00	O
ATOM	636	H2	A B	2	-14.825	1.544	73.191	1.00	0.00	H
ATOM	637	H8	A B	2	-16.579	6.085	69.018	1.00	0.00	H
ATOM	638	H1'	A B	2	-18.076	2.748	70.329	1.00	0.00	H
ATOM	639	H3'	A B	2	-20.132	4.508	67.475	1.00	0.00	H
ATOM	640	H4'	A B	2	-18.700	2.402	66.754	1.00	0.00	H
ATOM	641	H61	A B	2	-12.077	5.106	73.182	1.00	0.00	H
ATOM	642	H62	A B	2	-12.739	6.235	71.969	1.00	0.00	H
ATOM	643	H2'1	A B	2	-18.651	5.464	69.106	1.00	0.00	H
ATOM	644	H2'2	A B	2	-19.682	4.484	70.140	1.00	0.00	H

ATOM	645	H5 '1	A B	2	-16.637	3.896	66.264	1.00	0.00	H
ATOM	646	H5 '2	A B	2	-18.182	4.208	65.444	1.00	0.00	H
ATOM	647	C1 '	C B	3	-19.285	1.716	73.992	1.00	0.00	C
ATOM	648	N1	C B	3	-18.529	2.997	73.920	1.00	0.00	N
ATOM	649	C2	C B	3	-17.412	3.142	74.740	1.00	0.00	C
ATOM	650	O2	C B	3	-17.095	2.207	75.487	1.00	0.00	O
ATOM	651	N3	C B	3	-16.711	4.300	74.690	1.00	0.00	N
ATOM	652	C4	C B	3	-17.078	5.293	73.870	1.00	0.00	C
ATOM	653	N4	C B	3	-16.354	6.404	73.860	1.00	0.00	N
ATOM	654	C5	C B	3	-18.226	5.176	73.019	1.00	0.00	C
ATOM	655	C6	C B	3	-18.917	3.997	73.083	1.00	0.00	C
ATOM	656	C2 '	C B	3	-20.794	1.886	73.875	1.00	0.00	C
ATOM	657	C3 '	C B	3	-21.194	0.643	73.095	1.00	0.00	C
ATOM	658	O3 '	C B	3	-21.356	-0.445	74.003	1.00	0.00	O
ATOM	659	C4 '	C B	3	-20.010	0.439	72.153	1.00	0.00	C
ATOM	660	O4 '	C B	3	-18.853	0.902	72.919	1.00	0.00	O
ATOM	661	C5 '	C B	3	-20.056	1.191	70.844	1.00	0.00	C
ATOM	662	O5 '	C B	3	-20.655	2.496	71.050	1.00	0.00	O
ATOM	663	O1P	C B	3	-22.801	2.367	69.740	1.00	0.00	O
ATOM	664	O2P	C B	3	-21.688	4.585	70.109	1.00	0.00	O
ATOM	665	P	C B	3	-21.543	3.126	69.886	1.00	0.00	P
ATOM	666	H5	C B	3	-18.535	5.984	72.356	1.00	0.00	H
ATOM	667	H6	C B	3	-19.792	3.857	72.449	1.00	0.00	H
ATOM	668	H1 '	C B	3	-19.020	1.215	74.923	1.00	0.00	H
ATOM	669	H3 '	C B	3	-22.119	0.790	72.540	1.00	0.00	H
ATOM	670	H4 '	C B	3	-19.970	-0.626	71.921	1.00	0.00	H
ATOM	671	H41	C B	3	-16.613	7.183	73.236	1.00	0.00	H
ATOM	672	H42	C B	3	-15.530	6.488	74.474	1.00	0.00	H
ATOM	673	H2 '1	C B	3	-21.068	2.796	73.340	1.00	0.00	H
ATOM	674	H2 '2	C B	3	-21.283	1.919	74.849	1.00	0.00	H
ATOM	675	H5 '1	C B	3	-19.042	1.308	70.462	1.00	0.00	H
ATOM	676	H5 '2	C B	3	-20.647	0.626	70.126	1.00	0.00	H
ATOM	677	C1 '	C B	4	-18.999	1.141	78.902	1.00	0.00	C
ATOM	678	N1	C B	4	-18.986	2.500	78.298	1.00	0.00	N
ATOM	679	C2	C B	4	-17.967	3.373	78.672	1.00	0.00	C
ATOM	680	O2	C B	4	-17.117	2.985	79.486	1.00	0.00	O
ATOM	681	N3	C B	4	-17.937	4.616	78.134	1.00	0.00	N
ATOM	682	C4	C B	4	-18.870	5.007	77.256	1.00	0.00	C
ATOM	683	N4	C B	4	-18.793	6.233	76.757	1.00	0.00	N
ATOM	684	C5	C B	4	-19.934	4.134	76.855	1.00	0.00	C
ATOM	685	C6	C B	4	-19.941	2.884	77.407	1.00	0.00	C
ATOM	686	C2 '	C B	4	-20.395	0.622	79.220	1.00	0.00	C
ATOM	687	C3 '	C B	4	-20.256	-0.863	78.923	1.00	0.00	C
ATOM	688	O3 '	C B	4	-19.718	-1.521	80.067	1.00	0.00	O
ATOM	689	C4 '	C B	4	-19.293	-0.884	77.738	1.00	0.00	C
ATOM	690	O4 '	C B	4	-18.402	0.253	77.975	1.00	0.00	O
ATOM	691	C5 '	C B	4	-19.911	-0.734	76.367	1.00	0.00	C
ATOM	692	O5 '	C B	4	-21.028	0.188	76.431	1.00	0.00	O
ATOM	693	O1P	C B	4	-23.015	-1.269	75.917	1.00	0.00	O
ATOM	694	O2P	C B	4	-23.084	1.182	75.385	1.00	0.00	O
ATOM	695	P	C B	4	-22.284	-0.063	75.482	1.00	0.00	P
ATOM	696	H5	C B	4	-20.700	4.451	76.147	1.00	0.00	H
ATOM	697	H6	C B	4	-20.725	2.181	77.128	1.00	0.00	H
ATOM	698	H1 '	C B	4	-18.376	1.160	79.797	1.00	0.00	H

ATOM	699	H3'	C B	4	-21.212	-1.317	78.661	1.00	0.00	H
ATOM	700	H4'	C B	4	-18.775	-1.843	77.766	1.00	0.00	H
ATOM	701	H41	C B	4	-19.495	6.559	76.077	1.00	0.00	H
ATOM	702	H42	C B	4	-18.028	6.861	77.047	1.00	0.00	H
ATOM	703	H2'1	C B	4	-21.159	1.082	78.594	1.00	0.00	H
ATOM	704	H2'2	C B	4	-20.673	0.795	80.260	1.00	0.00	H
ATOM	705	H5'1	C B	4	-19.158	-0.356	75.674	1.00	0.00	H
ATOM	706	H5'2	C B	4	-20.257	-1.709	76.023	1.00	0.00	H
ATOM	707	C1'	G B	5	-17.680	2.521	83.472	1.00	0.00	C
ATOM	708	N1	G B	5	-17.808	7.216	81.478	1.00	0.00	N
ATOM	709	C2	G B	5	-16.888	6.640	82.337	1.00	0.00	C
ATOM	710	N2	G B	5	-15.868	7.419	82.716	1.00	0.00	N
ATOM	711	N3	G B	5	-16.979	5.387	82.780	1.00	0.00	N
ATOM	712	C4	G B	5	-18.077	4.747	82.300	1.00	0.00	C
ATOM	713	C5	G B	5	-19.049	5.242	81.445	1.00	0.00	C
ATOM	714	C6	G B	5	-18.952	6.569	80.971	1.00	0.00	C
ATOM	715	O6	G B	5	-19.707	7.181	80.216	1.00	0.00	O
ATOM	716	N7	G B	5	-20.014	4.264	81.195	1.00	0.00	N
ATOM	717	C8	G B	5	-19.606	3.230	81.887	1.00	0.00	C
ATOM	718	N9	G B	5	-18.436	3.449	82.586	1.00	0.00	N
ATOM	719	C2'	G B	5	-18.569	1.621	84.319	1.00	0.00	C
ATOM	720	C3'	G B	5	-17.767	0.330	84.358	1.00	0.00	C
ATOM	721	O3'	G B	5	-16.801	0.409	85.404	1.00	0.00	O
ATOM	722	C4'	G B	5	-17.120	0.288	82.975	1.00	0.00	C
ATOM	723	O4'	G B	5	-16.880	1.694	82.648	1.00	0.00	O
ATOM	724	C5'	G B	5	-17.941	-0.331	81.869	1.00	0.00	C
ATOM	725	O5'	G B	5	-19.340	-0.001	82.050	1.00	0.00	O
ATOM	726	O1P	G B	5	-20.407	-2.227	82.538	1.00	0.00	O
ATOM	727	O2P	G B	5	-21.756	-0.395	81.483	1.00	0.00	O
ATOM	728	P	G B	5	-20.443	-1.070	81.623	1.00	0.00	P
ATOM	729	H1	G B	5	-17.642	8.192	81.189	1.00	0.00	H
ATOM	730	H8	G B	5	-20.141	2.283	81.912	1.00	0.00	H
ATOM	731	H1'	G B	5	-17.014	3.113	84.099	1.00	0.00	H
ATOM	732	H21	G B	5	-15.803	8.386	82.367	1.00	0.00	H
ATOM	733	H3'	G B	5	-18.404	-0.542	84.520	1.00	0.00	H
ATOM	734	H22	G B	5	-15.150	7.052	83.358	1.00	0.00	H
ATOM	735	H4'	G B	5	-16.202	-0.288	83.072	1.00	0.00	H
ATOM	736	H2'1	G B	5	-19.550	1.466	83.868	1.00	0.00	H
ATOM	737	H2'2	G B	5	-18.728	2.020	85.320	1.00	0.00	H
ATOM	738	H5'1	G B	5	-17.592	0.051	80.908	1.00	0.00	H
ATOM	739	H5'2	G B	5	-17.811	-1.414	81.891	1.00	0.00	H
ATOM	740	C1'	T B	6	-16.477	5.826	86.955	1.00	0.00	C
ATOM	741	N1	T B	6	-17.713	6.006	86.147	1.00	0.00	N
ATOM	742	C2	T B	6	-17.895	7.233	85.541	1.00	0.00	C
ATOM	743	O2	T B	6	-17.096	8.147	85.647	1.00	0.00	O
ATOM	744	N3	T B	6	-19.056	7.356	84.798	1.00	0.00	N
ATOM	745	C4	T B	6	-20.023	6.391	84.617	1.00	0.00	C
ATOM	746	O4	T B	6	-21.025	6.619	83.931	1.00	0.00	O
ATOM	747	C5	T B	6	-19.743	5.143	85.288	1.00	0.00	C
ATOM	748	C6	T B	6	-18.622	4.986	86.019	1.00	0.00	C
ATOM	749	C7	T B	6	-20.769	4.061	85.116	1.00	0.00	C
ATOM	750	C2'	T B	6	-16.687	4.997	88.217	1.00	0.00	C
ATOM	751	C3'	T B	6	-15.374	4.235	88.316	1.00	0.00	C
ATOM	752	O3'	T B	6	-14.407	5.050	88.974	1.00	0.00	O

ATOM	753	C4'	T B	6	-15.017	3.981	86.852	1.00	0.00	C
ATOM	754	O4'	T B	6	-15.527	5.159	86.149	1.00	0.00	O
ATOM	755	C5'	T B	6	-15.612	2.745	86.220	1.00	0.00	C
ATOM	756	O5'	T B	6	-16.953	2.530	86.731	1.00	0.00	O
ATOM	757	O1P	T B	6	-16.744	0.382	88.025	1.00	0.00	O
ATOM	758	O2P	T B	6	-18.950	1.035	87.023	1.00	0.00	O
ATOM	759	P	T B	6	-17.471	1.033	86.918	1.00	0.00	P
ATOM	760	H3	T B	6	-19.213	8.262	84.334	1.00	0.00	H
ATOM	761	H6	T B	6	-18.434	4.034	86.516	1.00	0.00	H
ATOM	762	H1'	T B	6	-16.080	6.811	87.198	1.00	0.00	H
ATOM	763	H3'	T B	6	-15.487	3.298	88.861	1.00	0.00	H
ATOM	764	H4'	T B	6	-13.932	3.892	86.802	1.00	0.00	H
ATOM	765	H71	T B	6	-21.237	3.848	86.076	1.00	0.00	H
ATOM	766	H72	T B	6	-21.528	4.390	84.406	1.00	0.00	H
ATOM	767	H73	T B	6	-20.286	3.159	84.738	1.00	0.00	H
ATOM	768	H2'1	T B	6	-17.534	4.320	88.131	1.00	0.00	H
ATOM	769	H2'2	T B	6	-16.851	5.619	89.098	1.00	0.00	H
ATOM	770	H5'1	T B	6	-15.646	2.877	85.138	1.00	0.00	H
ATOM	771	H5'2	T B	6	-14.986	1.886	86.457	1.00	0.00	H
ATOM	772	C1'	C B	7	-16.522	10.361	88.978	1.00	0.00	C
ATOM	773	N1	C B	7	-17.796	9.697	88.581	1.00	0.00	N
ATOM	774	C2	C B	7	-18.682	10.413	87.779	1.00	0.00	C
ATOM	775	O2	C B	7	-18.378	11.562	87.429	1.00	0.00	O
ATOM	776	N3	C B	7	-19.846	9.826	87.407	1.00	0.00	N
ATOM	777	C4	C B	7	-20.148	8.583	87.801	1.00	0.00	C
ATOM	778	N4	C B	7	-21.297	8.058	87.406	1.00	0.00	N
ATOM	779	C5	C B	7	-19.257	7.825	88.632	1.00	0.00	C
ATOM	780	C6	C B	7	-18.088	8.434	88.990	1.00	0.00	C
ATOM	781	C2'	C B	7	-16.084	10.047	90.400	1.00	0.00	C
ATOM	782	C3'	C B	7	-14.570	9.997	90.262	1.00	0.00	C
ATOM	783	O3'	C B	7	-14.048	11.320	90.360	1.00	0.00	O
ATOM	784	C4'	C B	7	-14.376	9.401	88.869	1.00	0.00	C
ATOM	785	O4'	C B	7	-15.510	9.909	88.098	1.00	0.00	O
ATOM	786	C5'	C B	7	-14.367	7.892	88.779	1.00	0.00	C
ATOM	787	O5'	C B	7	-15.318	7.340	89.723	1.00	0.00	O
ATOM	788	O1P	C B	7	-13.860	6.112	91.368	1.00	0.00	O
ATOM	789	O2P	C B	7	-16.224	5.368	90.988	1.00	0.00	O
ATOM	790	P	C B	7	-14.982	5.947	90.423	1.00	0.00	P
ATOM	791	H5	C B	7	-19.503	6.815	88.961	1.00	0.00	H
ATOM	792	H6	C B	7	-17.376	7.894	89.613	1.00	0.00	H
ATOM	793	H1'	C B	7	-16.639	11.435	88.832	1.00	0.00	H
ATOM	794	H3'	C B	7	-14.110	9.369	91.026	1.00	0.00	H
ATOM	795	H4'	C B	7	-13.415	9.761	88.502	1.00	0.00	H
ATOM	796	H41	C B	7	-21.553	7.102	87.693	1.00	0.00	H
ATOM	797	H42	C B	7	-21.938	8.606	86.811	1.00	0.00	H
ATOM	798	H2'1	C B	7	-16.481	9.096	90.755	1.00	0.00	H
ATOM	799	H2'2	C B	7	-16.394	10.816	91.108	1.00	0.00	H
ATOM	800	H5'1	C B	7	-14.637	7.594	87.766	1.00	0.00	H
ATOM	801	H5'2	C B	7	-13.366	7.527	89.006	1.00	0.00	H
ATOM	802	C1'	C B	8	-18.432	14.859	89.784	1.00	0.00	C
ATOM	803	N1	C B	8	-19.264	13.639	89.970	1.00	0.00	N
ATOM	804	C2	C B	8	-20.503	13.589	89.335	1.00	0.00	C
ATOM	805	O2	C B	8	-20.858	14.554	88.645	1.00	0.00	O
ATOM	806	N3	C B	8	-21.275	12.488	89.492	1.00	0.00	N

ATOM	807	C4	C B	8	-20.863	11.459	90.246	1.00	0.00	C
ATOM	808	N4	C B	8	-21.658	10.405	90.361	1.00	0.00	N
ATOM	809	C5	C B	8	-19.596	11.483	90.916	1.00	0.00	C
ATOM	810	C6	C B	8	-18.832	12.602	90.739	1.00	0.00	C
ATOM	811	C2'	C B	8	-17.672	15.281	91.035	1.00	0.00	C
ATOM	812	C3'	C B	8	-16.372	15.813	90.451	1.00	0.00	C
ATOM	813	O3'	C B	8	-16.554	17.173	90.064	1.00	0.00	O
ATOM	814	C4'	C B	8	-16.140	14.897	89.251	1.00	0.00	C
ATOM	815	O4'	C B	8	-17.485	14.582	88.769	1.00	0.00	O
ATOM	816	C5'	C B	8	-15.410	13.603	89.524	1.00	0.00	C
ATOM	817	O5'	C B	8	-15.804	13.083	90.820	1.00	0.00	O
ATOM	818	O1P	C B	8	-13.688	13.237	92.176	1.00	0.00	O
ATOM	819	O2P	C B	8	-15.414	11.504	92.735	1.00	0.00	O
ATOM	820	P	C B	8	-14.724	12.301	91.693	1.00	0.00	P
ATOM	821	H5	C B	8	-19.259	10.652	91.536	1.00	0.00	H
ATOM	822	H6	C B	8	-17.857	12.664	91.223	1.00	0.00	H
ATOM	823	H1'	C B	8	-19.079	15.662	89.429	1.00	0.00	H
ATOM	824	H3'	C B	8	-15.549	15.746	91.161	1.00	0.00	H
ATOM	825	H4'	C B	8	-15.550	15.463	88.530	1.00	0.00	H
ATOM	826	H41	C B	8	-21.364	9.599	90.932	1.00	0.00	H
ATOM	827	H42	C B	8	-22.570	10.391	89.880	1.00	0.00	H
ATOM	828	H2'1	C B	8	-17.491	14.446	91.710	1.00	0.00	H
ATOM	829	H2'2	C B	8	-18.200	16.051	91.597	1.00	0.00	H
ATOM	830	H5'1	C B	8	-15.658	12.880	88.747	1.00	0.00	H
ATOM	831	H5'2	C B	8	-14.337	13.787	89.513	1.00	0.00	H
ATOM	832	C1'	T B	9	-22.117	18.152	90.045	1.00	0.00	C
ATOM	833	N1	T B	9	-22.227	16.850	90.755	1.00	0.00	N
ATOM	834	C2	T B	9	-23.371	16.109	90.542	1.00	0.00	C
ATOM	835	O2	T B	9	-24.270	16.482	89.809	1.00	0.00	O
ATOM	836	N3	T B	9	-23.430	14.907	91.220	1.00	0.00	N
ATOM	837	C4	T B	9	-22.474	14.396	92.072	1.00	0.00	C
ATOM	838	O4	T B	9	-22.640	13.304	92.629	1.00	0.00	O
ATOM	839	C5	T B	9	-21.312	15.240	92.232	1.00	0.00	C
ATOM	840	C6	T B	9	-21.221	16.418	91.585	1.00	0.00	C
ATOM	841	C7	T B	9	-20.245	14.721	93.149	1.00	0.00	C
ATOM	842	C2'	T B	9	-21.459	19.250	90.872	1.00	0.00	C
ATOM	843	C3'	T B	9	-20.682	20.020	89.815	1.00	0.00	C
ATOM	844	O3'	T B	9	-21.548	20.967	89.193	1.00	0.00	O
ATOM	845	C4'	T B	9	-20.239	18.922	88.852	1.00	0.00	C
ATOM	846	O4'	T B	9	-21.331	17.950	88.887	1.00	0.00	O
ATOM	847	C5'	T B	9	-18.947	18.213	89.189	1.00	0.00	C
ATOM	848	O5'	T B	9	-18.831	18.065	90.627	1.00	0.00	O
ATOM	849	O1P	T B	9	-16.859	19.515	91.205	1.00	0.00	O
ATOM	850	O2P	T B	9	-17.436	17.547	92.651	1.00	0.00	O
ATOM	851	P	T B	9	-17.385	18.138	91.292	1.00	0.00	P
ATOM	852	H3	T B	9	-24.273	14.333	91.076	1.00	0.00	H
ATOM	853	H6	T B	9	-20.335	17.039	91.722	1.00	0.00	H
ATOM	854	H1'	T B	9	-23.115	18.451	89.723	1.00	0.00	H
ATOM	855	H3'	T B	9	-19.825	20.541	90.241	1.00	0.00	H
ATOM	856	H4'	T B	9	-20.116	19.391	87.874	1.00	0.00	H
ATOM	857	H71	T B	9	-20.165	15.372	94.019	1.00	0.00	H
ATOM	858	H72	T B	9	-20.501	13.712	93.470	1.00	0.00	H
ATOM	859	H73	T B	9	-19.291	14.704	92.621	1.00	0.00	H
ATOM	860	H2'1	T B	9	-20.797	18.850	91.638	1.00	0.00	H

ATOM	861	H2'2	T B	9	-22.190	19.886	91.370	1.00	0.00	H
ATOM	862	H5'1	T B	9	-18.942	17.232	88.715	1.00	0.00	H
ATOM	863	H5'2	T B	9	-18.110	18.797	88.811	1.00	0.00	H
ATOM	864	C1'	A B	10	-26.863	19.481	90.635	1.00	0.00	C
ATOM	865	N1	A B	10	-27.181	15.088	93.270	1.00	0.00	N
ATOM	866	C2	A B	10	-27.986	15.664	92.381	1.00	0.00	C
ATOM	867	N3	A B	10	-27.842	16.801	91.735	1.00	0.00	N
ATOM	868	C4	A B	10	-26.689	17.397	92.092	1.00	0.00	C
ATOM	869	C5	A B	10	-25.759	16.941	92.985	1.00	0.00	C
ATOM	870	C6	A B	10	-26.038	15.706	93.605	1.00	0.00	C
ATOM	871	N6	A B	10	-25.215	15.135	94.503	1.00	0.00	N
ATOM	872	N7	A B	10	-24.698	17.823	93.094	1.00	0.00	N
ATOM	873	C8	A B	10	-25.009	18.787	92.279	1.00	0.00	C
ATOM	874	N9	A B	10	-26.202	18.596	91.632	1.00	0.00	N
ATOM	875	C2'	A B	10	-26.698	20.965	90.930	1.00	0.00	C
ATOM	876	C3'	A B	10	-26.583	21.556	89.533	1.00	0.00	C
ATOM	877	O3'	A B	10	-27.890	21.772	89.007	1.00	0.00	O
ATOM	878	C4'	A B	10	-25.825	20.472	88.767	1.00	0.00	C
ATOM	879	O4'	A B	10	-26.278	19.219	89.373	1.00	0.00	O
ATOM	880	C5'	A B	10	-24.317	20.528	88.843	1.00	0.00	C
ATOM	881	O5'	A B	10	-23.907	20.960	90.165	1.00	0.00	O
ATOM	882	O1P	A B	10	-22.831	23.195	89.737	1.00	0.00	O
ATOM	883	O2P	A B	10	-22.125	21.820	91.715	1.00	0.00	O
ATOM	884	P	A B	10	-22.594	21.855	90.308	1.00	0.00	P
ATOM	885	H2	A B	10	-28.899	15.113	92.156	1.00	0.00	H
ATOM	886	H8	A B	10	-24.379	19.664	92.123	1.00	0.00	H
ATOM	887	H1'	A B	10	-27.916	19.208	90.581	1.00	0.00	H
ATOM	888	H3'	A B	10	-26.032	22.496	89.531	1.00	0.00	H
ATOM	889	H4'	A B	10	-26.110	20.566	87.720	1.00	0.00	H
ATOM	890	H61	A B	10	-25.466	14.229	94.924	1.00	0.00	H
ATOM	891	H62	A B	10	-24.337	15.602	94.766	1.00	0.00	H
ATOM	892	H2'1	A B	10	-25.808	21.174	91.522	1.00	0.00	H
ATOM	893	H2'2	A B	10	-27.554	21.379	91.464	1.00	0.00	H
ATOM	894	H5'1	A B	10	-23.912	19.536	88.639	1.00	0.00	H
ATOM	895	H5'2	A B	10	-23.948	21.227	88.096	1.00	0.00	H
ATOM	896	C1'	G B	11	-31.479	18.838	92.343	1.00	0.00	C
ATOM	897	N1	G B	11	-29.179	15.991	95.896	1.00	0.00	N
ATOM	898	C2	G B	11	-30.348	15.761	95.194	1.00	0.00	C
ATOM	899	N2	G B	11	-30.992	14.621	95.478	1.00	0.00	N
ATOM	900	N3	G B	11	-30.836	16.600	94.281	1.00	0.00	N
ATOM	901	C4	G B	11	-30.060	17.705	94.128	1.00	0.00	C
ATOM	902	C5	G B	11	-28.885	18.020	94.786	1.00	0.00	C
ATOM	903	C6	G B	11	-28.362	17.130	95.751	1.00	0.00	C
ATOM	904	O6	G B	11	-27.342	17.233	96.434	1.00	0.00	O
ATOM	905	N7	G B	11	-28.397	19.251	94.340	1.00	0.00	N
ATOM	906	C8	G B	11	-29.272	19.632	93.445	1.00	0.00	C
ATOM	907	N9	G B	11	-30.313	18.746	93.261	1.00	0.00	N
ATOM	908	C2'	G B	11	-32.038	20.248	92.201	1.00	0.00	C
ATOM	909	C3'	G B	11	-32.461	20.276	90.741	1.00	0.00	C
ATOM	910	O3'	G B	11	-33.765	19.715	90.621	1.00	0.00	O
ATOM	911	C4'	G B	11	-31.398	19.415	90.061	1.00	0.00	C
ATOM	912	O4'	G B	11	-31.057	18.405	91.064	1.00	0.00	O
ATOM	913	C5'	G B	11	-30.131	20.122	89.639	1.00	0.00	C
ATOM	914	O5'	G B	11	-29.787	21.138	90.615	1.00	0.00	O

ATOM	915	O1P	G B	11	-30.060	23.290	89.340	1.00	0.00	O
ATOM	916	O2P	G B	11	-28.453	23.166	91.260	1.00	0.00	O
ATOM	917	P	G B	11	-29.096	22.484	90.111	1.00	0.00	P
ATOM	918	H1	G B	11	-28.883	15.275	96.577	1.00	0.00	H
ATOM	919	H8	G B	11	-29.187	20.568	92.893	1.00	0.00	H
ATOM	920	H1'	G B	11	-32.247	18.148	92.693	1.00	0.00	H
ATOM	921	H21	G B	11	-30.606	13.976	96.182	1.00	0.00	H
ATOM	922	H3'	G B	11	-32.465	21.289	90.336	1.00	0.00	H
ATOM	923	H22	G B	11	-31.870	14.392	94.992	1.00	0.00	H
ATOM	924	H4'	G B	11	-31.856	18.991	89.168	1.00	0.00	H
ATOM	925	H2'1	G B	11	-31.290	21.011	92.412	1.00	0.00	H
ATOM	926	H2'2	G B	11	-32.885	20.425	92.863	1.00	0.00	H
ATOM	927	H5'1	G B	11	-29.323	19.395	89.563	1.00	0.00	H
ATOM	928	H5'2	G B	11	-30.289	20.586	88.665	1.00	0.00	H
ATOM	929	C1'	G B	12	-34.858	17.026	95.477	1.00	0.00	C
ATOM	930	N1	G B	12	-30.921	16.844	98.718	1.00	0.00	N
ATOM	931	C2	G B	12	-31.926	15.921	98.488	1.00	0.00	C
ATOM	932	N2	G B	12	-31.875	14.800	99.220	1.00	0.00	N
ATOM	933	N3	G B	12	-32.899	16.099	97.599	1.00	0.00	N
ATOM	934	C4	G B	12	-32.799	17.292	96.956	1.00	0.00	C
ATOM	935	C5	G B	12	-31.838	18.274	97.121	1.00	0.00	C
ATOM	936	C6	G B	12	-30.801	18.083	98.061	1.00	0.00	C
ATOM	937	O6	G B	12	-29.867	18.832	98.350	1.00	0.00	O
ATOM	938	N7	G B	12	-32.093	19.349	96.267	1.00	0.00	N
ATOM	939	C8	G B	12	-33.173	18.991	95.622	1.00	0.00	C
ATOM	940	N9	G B	12	-33.662	17.754	95.986	1.00	0.00	N
ATOM	941	C2'	G B	12	-36.047	17.929	95.184	1.00	0.00	C
ATOM	942	C3'	G B	12	-36.660	17.260	93.963	1.00	0.00	C
ATOM	943	O3'	G B	12	-37.524	16.210	94.390	1.00	0.00	O
ATOM	944	C4'	G B	12	-35.437	16.733	93.215	1.00	0.00	C
ATOM	945	O4'	G B	12	-34.490	16.381	94.274	1.00	0.00	O
ATOM	946	C5'	G B	12	-34.764	17.697	92.267	1.00	0.00	C
ATOM	947	O5'	G B	12	-34.806	19.037	92.817	1.00	0.00	O
ATOM	948	O1P	G B	12	-36.297	20.278	91.213	1.00	0.00	O
ATOM	949	O2P	G B	12	-34.547	21.519	92.514	1.00	0.00	O
ATOM	950	P	G B	12	-34.952	20.273	91.818	1.00	0.00	P
ATOM	951	H1	G B	12	-30.208	16.606	99.425	1.00	0.00	H
ATOM	952	H8	G B	12	-33.647	19.615	94.864	1.00	0.00	H
ATOM	953	H1'	G B	12	-35.121	16.256	96.203	1.00	0.00	H
ATOM	954	H21	G B	12	-31.115	14.666	99.904	1.00	0.00	H
ATOM	955	H3'	G B	12	-37.222	17.964	93.350	1.00	0.00	H
ATOM	956	H22	G B	12	-32.595	14.075	99.099	1.00	0.00	H
ATOM	957	H4'	G B	12	-35.766	15.872	92.635	1.00	0.00	H
ATOM	958	H2'1	G B	12	-35.744	18.953	94.965	1.00	0.00	H
ATOM	959	H2'2	G B	12	-36.754	17.967	96.012	1.00	0.00	H
ATOM	960	H5'1	G B	12	-33.728	17.392	92.120	1.00	0.00	H
ATOM	961	H5'2	G B	12	-35.282	17.676	91.307	1.00	0.00	H
ATOM	962	C1'	T B	13	-36.384	15.224	99.827	1.00	0.00	C
ATOM	963	N1	T B	13	-35.615	16.495	99.773	1.00	0.00	N
ATOM	964	C2	T B	13	-34.514	16.603	100.600	1.00	0.00	C
ATOM	965	O2	T B	13	-34.166	15.710	101.353	1.00	0.00	O
ATOM	966	N3	T B	13	-33.828	17.800	100.516	1.00	0.00	N
ATOM	967	C4	T B	13	-34.139	18.870	99.704	1.00	0.00	C
ATOM	968	O4	T B	13	-33.450	19.898	99.719	1.00	0.00	O

ATOM	969	C5	T B	13	-35.304	18.665	98.876	1.00	0.00	C
ATOM	970	C6	T B	13	-35.997	17.509	98.931	1.00	0.00	C
ATOM	971	C7	T B	13	-35.679	19.803	97.974	1.00	0.00	C
ATOM	972	C2'	T B	13	-37.891	15.411	99.701	1.00	0.00	C
ATOM	973	C3'	T B	13	-38.297	14.177	98.909	1.00	0.00	C
ATOM	974	O3'	T B	13	-38.479	13.085	99.806	1.00	0.00	O
ATOM	975	C4'	T B	13	-37.109	13.968	97.974	1.00	0.00	C
ATOM	976	O4'	T B	13	-35.954	14.412	98.754	1.00	0.00	O
ATOM	977	C5'	T B	13	-37.136	14.731	96.670	1.00	0.00	C
ATOM	978	O5'	T B	13	-37.722	16.040	96.882	1.00	0.00	O
ATOM	979	O1P	T B	13	-39.858	15.945	95.556	1.00	0.00	O
ATOM	980	O2P	T B	13	-38.725	18.149	95.950	1.00	0.00	O
ATOM	981	P	T B	13	-38.594	16.690	95.715	1.00	0.00	P
ATOM	982	H3	T B	13	-33.001	17.903	101.122	1.00	0.00	H
ATOM	983	H6	T B	13	-36.873	17.378	98.296	1.00	0.00	H
ATOM	984	H1'	T B	13	-36.132	14.711	100.757	1.00	0.00	H
ATOM	985	H3'	T B	13	-39.218	14.340	98.347	1.00	0.00	H
ATOM	986	H4'	T B	13	-37.080	12.904	97.734	1.00	0.00	H
ATOM	987	H71	T B	13	-36.639	20.212	98.283	1.00	0.00	H
ATOM	988	H72	T B	13	-34.917	20.581	98.034	1.00	0.00	H
ATOM	989	H73	T B	13	-35.750	19.445	96.946	1.00	0.00	H
ATOM	990	H2'1	T B	13	-38.149	16.327	99.171	1.00	0.00	H
ATOM	991	H2'2	T B	13	-38.388	15.442	100.670	1.00	0.00	H
ATOM	992	H5'1	T B	13	-36.118	14.838	96.296	1.00	0.00	H
ATOM	993	H5'2	T B	13	-37.729	14.177	95.943	1.00	0.00	H
ATOM	994	C1'	G B	14	-36.077	14.654	104.751	1.00	0.00	C
ATOM	995	N1	G B	14	-33.643	19.133	104.563	1.00	0.00	N
ATOM	996	C2	G B	14	-33.355	17.997	105.298	1.00	0.00	C
ATOM	997	N2	G B	14	-32.277	18.062	106.089	1.00	0.00	N
ATOM	998	N3	G B	14	-34.084	16.883	105.246	1.00	0.00	N
ATOM	999	C4	G B	14	-35.142	16.997	104.399	1.00	0.00	C
ATOM	1000	C5	G B	14	-35.508	18.089	103.631	1.00	0.00	C
ATOM	1001	C6	G B	14	-34.733	19.270	103.683	1.00	0.00	C
ATOM	1002	O6	G B	14	-34.896	20.333	103.082	1.00	0.00	O
ATOM	1003	N7	G B	14	-36.661	17.799	102.898	1.00	0.00	N
ATOM	1004	C8	G B	14	-36.947	16.568	103.235	1.00	0.00	C
ATOM	1005	N9	G B	14	-36.071	16.012	104.144	1.00	0.00	N
ATOM	1006	C2'	G B	14	-37.472	14.129	105.067	1.00	0.00	C
ATOM	1007	C3'	G B	14	-37.327	12.645	104.774	1.00	0.00	C
ATOM	1008	O3'	G B	14	-36.787	11.992	105.920	1.00	0.00	O
ATOM	1009	C4'	G B	14	-36.362	12.626	103.590	1.00	0.00	C
ATOM	1010	O4'	G B	14	-35.477	13.766	103.828	1.00	0.00	O
ATOM	1011	C5'	G B	14	-36.978	12.768	102.219	1.00	0.00	C
ATOM	1012	O5'	G B	14	-38.098	13.686	102.278	1.00	0.00	O
ATOM	1013	O1P	G B	14	-40.080	12.222	101.764	1.00	0.00	O
ATOM	1014	O2P	G B	14	-40.157	14.670	101.227	1.00	0.00	O
ATOM	1015	P	G B	14	-39.353	13.429	101.327	1.00	0.00	P
ATOM	1016	H1	G B	14	-33.009	19.941	104.670	1.00	0.00	H
ATOM	1017	H8	G B	14	-37.805	16.028	102.831	1.00	0.00	H
ATOM	1018	H1'	G B	14	-35.456	14.676	105.647	1.00	0.00	H
ATOM	1019	H21	G B	14	-31.715	18.926	106.120	1.00	0.00	H
ATOM	1020	H3'	G B	14	-38.280	12.186	104.511	1.00	0.00	H
ATOM	1021	H22	G B	14	-32.010	17.251	106.664	1.00	0.00	H
ATOM	1022	H4'	G B	14	-35.840	11.668	103.622	1.00	0.00	H

ATOM	1023	H2'1	G B	14	-38.237	14.586	104.440	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-37.753	14.304	106.105	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-36.227	13.149	101.526	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-37.319	11.792	101.877	1.00	0.00	H
ATOM	1027	C1'	C B	15	-34.758	16.034	109.321	1.00	0.00	C
ATOM	1028	N1	C B	15	-35.509	16.964	108.437	1.00	0.00	N
ATOM	1029	C2	C B	15	-35.000	18.249	108.258	1.00	0.00	C
ATOM	1030	O2	C B	15	-33.951	18.560	108.838	1.00	0.00	O
ATOM	1031	N3	C B	15	-35.668	19.113	107.456	1.00	0.00	N
ATOM	1032	C4	C B	15	-36.800	18.746	106.843	1.00	0.00	C
ATOM	1033	N4	C B	15	-37.412	19.630	106.068	1.00	0.00	N
ATOM	1034	C5	C B	15	-37.352	17.432	107.012	1.00	0.00	C
ATOM	1035	C6	C B	15	-36.658	16.579	107.819	1.00	0.00	C
ATOM	1036	C2'	C B	15	-35.651	15.137	110.168	1.00	0.00	C
ATOM	1037	C3'	C B	15	-34.856	13.841	110.206	1.00	0.00	C
ATOM	1038	O3'	C B	15	-33.887	13.916	111.251	1.00	0.00	O
ATOM	1039	C4'	C B	15	-34.210	13.799	108.823	1.00	0.00	C
ATOM	1040	O4'	C B	15	-33.962	15.202	108.496	1.00	0.00	O
ATOM	1041	C5'	C B	15	-35.033	13.182	107.716	1.00	0.00	C
ATOM	1042	O5'	C B	15	-36.430	13.519	107.901	1.00	0.00	O
ATOM	1043	O1P	C B	15	-37.509	11.298	108.389	1.00	0.00	O
ATOM	1044	O2P	C B	15	-38.851	13.138	107.334	1.00	0.00	O
ATOM	1045	P	C B	15	-37.540	12.456	107.473	1.00	0.00	P
ATOM	1046	H5	C B	15	-38.276	17.133	106.519	1.00	0.00	H
ATOM	1047	H6	C B	15	-37.034	15.567	107.974	1.00	0.00	H
ATOM	1048	H1'	C B	15	-34.088	16.624	109.948	1.00	0.00	H
ATOM	1049	H3'	C B	15	-35.496	12.975	110.368	1.00	0.00	H
ATOM	1050	H4'	C B	15	-33.293	13.216	108.920	1.00	0.00	H
ATOM	1051	H41	C B	15	-38.284	19.373	105.582	1.00	0.00	H
ATOM	1052	H42	C B	15	-37.016	20.575	105.950	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-36.632	14.987	109.719	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-35.807	15.537	111.171	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-34.684	13.563	106.756	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-34.911	12.100	107.740	1.00	0.00	H
ATOM	1057	C1'	G B	16	-33.564	19.357	112.792	1.00	0.00	C
ATOM	1058	N1	G B	16	-36.286	22.537	109.877	1.00	0.00	N
ATOM	1059	C2	G B	16	-35.078	22.737	110.520	1.00	0.00	C
ATOM	1060	N2	G B	16	-34.522	23.946	110.369	1.00	0.00	N
ATOM	1061	N3	G B	16	-34.473	21.805	111.256	1.00	0.00	N
ATOM	1062	C4	G B	16	-35.181	20.647	111.305	1.00	0.00	C
ATOM	1063	C5	G B	16	-36.392	20.358	110.700	1.00	0.00	C
ATOM	1064	C6	G B	16	-37.034	21.345	109.916	1.00	0.00	C
ATOM	1065	O6	G B	16	-38.102	21.278	109.307	1.00	0.00	O
ATOM	1066	N7	G B	16	-36.783	19.052	111.002	1.00	0.00	N
ATOM	1067	C8	G B	16	-35.817	18.598	111.759	1.00	0.00	C
ATOM	1068	N9	G B	16	-34.807	19.510	111.990	1.00	0.00	N
ATOM	1069	C2'	G B	16	-33.750	18.537	114.061	1.00	0.00	C
ATOM	1070	C3'	G B	16	-32.427	17.796	114.158	1.00	0.00	C
ATOM	1071	O3'	G B	16	-31.469	18.631	114.803	1.00	0.00	O
ATOM	1072	C4'	G B	16	-32.075	17.536	112.695	1.00	0.00	C
ATOM	1073	O4'	G B	16	-32.607	18.699	111.984	1.00	0.00	O
ATOM	1074	C5'	G B	16	-32.653	16.285	112.077	1.00	0.00	C
ATOM	1075	O5'	G B	16	-33.986	16.052	112.597	1.00	0.00	O
ATOM	1076	O1P	G B	16	-33.736	13.919	113.908	1.00	0.00	O

ATOM	1077	O2P	G B	16	-35.957	14.529	112.915	1.00	0.00	O
ATOM	1078	P	G B	16	-34.479	14.550	112.801	1.00	0.00	P
ATOM	1079	H1	G B	16	-36.667	23.321	109.326	1.00	0.00	H
ATOM	1080	H8	G B	16	-35.811	17.590	112.171	1.00	0.00	H
ATOM	1081	H1'	G B	16	-33.181	20.352	113.022	1.00	0.00	H
ATOM	1082	H21	G B	16	-34.995	24.660	109.795	1.00	0.00	H
ATOM	1083	H3'	G B	16	-32.521	16.862	114.711	1.00	0.00	H
ATOM	1084	H22	G B	16	-33.624	24.158	110.824	1.00	0.00	H
ATOM	1085	H4'	G B	16	-30.988	17.463	112.638	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-34.589	17.844	113.986	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-33.920	19.163	114.938	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-32.697	16.407	110.995	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-32.011	15.438	112.317	1.00	0.00	H
ATOM	1090	C1'	G B	17	-33.602	23.872	114.827	1.00	0.00	C
ATOM	1091	N1	G B	17	-37.961	24.387	112.224	1.00	0.00	N
ATOM	1092	C2	G B	17	-36.917	25.280	112.396	1.00	0.00	C
ATOM	1093	N2	G B	17	-37.055	26.468	111.796	1.00	0.00	N
ATOM	1094	N3	G B	17	-35.826	25.008	113.107	1.00	0.00	N
ATOM	1095	C4	G B	17	-35.859	23.763	113.649	1.00	0.00	C
ATOM	1096	C5	G B	17	-36.855	22.808	113.535	1.00	0.00	C
ATOM	1097	C6	G B	17	-38.012	23.093	112.777	1.00	0.00	C
ATOM	1098	O6	G B	17	-38.994	22.382	112.561	1.00	0.00	O
ATOM	1099	N7	G B	17	-36.503	21.656	114.244	1.00	0.00	N
ATOM	1100	C8	G B	17	-35.332	21.942	114.751	1.00	0.00	C
ATOM	1101	N9	G B	17	-34.874	23.205	114.435	1.00	0.00	N
ATOM	1102	C2'	G B	17	-33.158	23.558	116.248	1.00	0.00	C
ATOM	1103	C3'	G B	17	-31.644	23.515	116.106	1.00	0.00	C
ATOM	1104	O3'	G B	17	-31.126	24.839	116.204	1.00	0.00	O
ATOM	1105	C4'	G B	17	-31.452	22.921	114.711	1.00	0.00	C
ATOM	1106	O4'	G B	17	-32.591	23.426	113.945	1.00	0.00	O
ATOM	1107	C5'	G B	17	-31.438	21.414	114.619	1.00	0.00	C
ATOM	1108	O5'	G B	17	-32.384	20.856	115.565	1.00	0.00	O
ATOM	1109	O1P	G B	17	-30.915	19.633	117.204	1.00	0.00	O
ATOM	1110	O2P	G B	17	-33.279	18.877	116.832	1.00	0.00	O
ATOM	1111	P	G B	17	-32.039	19.463	116.264	1.00	0.00	P
ATOM	1112	H1	G B	17	-38.759	24.694	111.647	1.00	0.00	H
ATOM	1113	H8	G B	17	-34.766	21.246	115.369	1.00	0.00	H
ATOM	1114	H1'	G B	17	-33.722	24.945	114.682	1.00	0.00	H
ATOM	1115	H21	G B	17	-37.901	26.672	111.243	1.00	0.00	H
ATOM	1116	H3'	G B	17	-31.180	22.887	116.867	1.00	0.00	H
ATOM	1117	H22	G B	17	-36.314	27.180	111.887	1.00	0.00	H
ATOM	1118	H4'	G B	17	-30.494	23.285	114.341	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-33.550	22.605	116.604	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-33.468	24.324	116.957	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-31.708	21.114	113.607	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-30.434	21.051	114.844	1.00	0.00	H
ATOM	1123	C1'	C B	18	-35.511	28.371	115.633	1.00	0.00	C
ATOM	1124	N1	C B	18	-36.343	27.149	115.820	1.00	0.00	N
ATOM	1125	C2	C B	18	-37.582	27.102	115.183	1.00	0.00	C
ATOM	1126	O2	C B	18	-37.936	28.066	114.493	1.00	0.00	O
ATOM	1127	N3	C B	18	-38.353	25.999	115.342	1.00	0.00	N
ATOM	1128	C4	C B	18	-37.940	24.973	116.094	1.00	0.00	C
ATOM	1129	N4	C B	18	-38.735	23.919	116.212	1.00	0.00	N
ATOM	1130	C5	C B	18	-36.674	24.997	116.762	1.00	0.00	C

ATOM	1131	C6	C B	18	-35.913	26.114	116.587	1.00	0.00	C
ATOM	1132	C2'	C B	18	-34.751	28.794	116.883	1.00	0.00	C
ATOM	1133	C3'	C B	18	-33.451	29.324	116.300	1.00	0.00	C
ATOM	1134	O3'	C B	18	-33.633	30.684	115.913	1.00	0.00	O
ATOM	1135	C4'	C B	18	-33.219	28.409	115.100	1.00	0.00	C
ATOM	1136	O4'	C B	18	-34.564	28.094	114.618	1.00	0.00	O
ATOM	1137	C5'	C B	18	-32.488	27.115	115.374	1.00	0.00	C
ATOM	1138	O5'	C B	18	-32.882	26.596	116.669	1.00	0.00	O
ATOM	1139	O1P	C B	18	-30.767	26.748	118.025	1.00	0.00	O
ATOM	1140	O2P	C B	18	-32.494	25.015	118.585	1.00	0.00	O
ATOM	1141	P	C B	18	-31.803	25.813	117.542	1.00	0.00	P
ATOM	1142	H5	C B	18	-36.335	24.164	117.379	1.00	0.00	H
ATOM	1143	H6	C B	18	-34.939	26.177	117.073	1.00	0.00	H
ATOM	1144	H1'	C B	18	-36.158	29.173	115.280	1.00	0.00	H
ATOM	1145	H3'	C B	18	-32.628	29.257	117.011	1.00	0.00	H
ATOM	1146	H4'	C B	18	-32.630	28.975	114.379	1.00	0.00	H
ATOM	1147	H41	C B	18	-38.441	23.114	116.785	1.00	0.00	H
ATOM	1148	H42	C B	18	-39.646	23.903	115.731	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-34.571	27.959	117.559	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-35.278	29.563	117.446	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-32.737	26.392	114.597	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-31.416	27.300	115.362	1.00	0.00	H
ATOM	1153	C1'	C B	19	-39.214	31.649	115.893	1.00	0.00	C
ATOM	1154	N1	C B	19	-39.302	30.349	116.612	1.00	0.00	N
ATOM	1155	C2	C B	19	-40.443	29.572	116.419	1.00	0.00	C
ATOM	1156	O2	C B	19	-41.329	29.991	115.664	1.00	0.00	O
ATOM	1157	N3	C B	19	-40.542	28.386	117.066	1.00	0.00	N
ATOM	1158	C4	C B	19	-39.564	27.961	117.878	1.00	0.00	C
ATOM	1159	N4	C B	19	-39.712	26.794	118.483	1.00	0.00	N
ATOM	1160	C5	C B	19	-38.383	28.741	118.094	1.00	0.00	C
ATOM	1161	C6	C B	19	-38.304	29.929	117.433	1.00	0.00	C
ATOM	1162	C2'	C B	19	-38.567	32.759	116.709	1.00	0.00	C
ATOM	1163	C3'	C B	19	-37.805	33.533	115.643	1.00	0.00	C
ATOM	1164	O3'	C B	19	-38.687	34.463	115.019	1.00	0.00	O
ATOM	1165	C4'	C B	19	-37.352	32.434	114.684	1.00	0.00	C
ATOM	1166	O4'	C B	19	-38.430	31.446	114.732	1.00	0.00	O
ATOM	1167	C5'	C B	19	-36.050	31.744	115.021	1.00	0.00	C
ATOM	1168	O5'	C B	19	-35.925	31.606	116.458	1.00	0.00	O
ATOM	1169	O1P	C B	19	-33.968	33.086	117.017	1.00	0.00	O
ATOM	1170	O2P	C B	19	-34.512	31.121	118.478	1.00	0.00	O
ATOM	1171	P	C B	19	-34.476	31.704	117.115	1.00	0.00	P
ATOM	1172	H5	C B	19	-37.587	28.400	118.755	1.00	0.00	H
ATOM	1173	H6	C B	19	-37.422	30.556	117.565	1.00	0.00	H
ATOM	1174	H1'	C B	19	-40.218	31.931	115.575	1.00	0.00	H
ATOM	1175	H3'	C B	19	-36.951	34.067	116.059	1.00	0.00	H
ATOM	1176	H4'	C B	19	-37.240	32.895	113.703	1.00	0.00	H
ATOM	1177	H41	C B	19	-38.976	26.442	119.112	1.00	0.00	H
ATOM	1178	H42	C B	19	-40.564	26.235	118.326	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-37.895	32.374	117.474	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-39.304	33.390	117.206	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-36.035	30.760	114.553	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-35.222	32.336	114.634	1.00	0.00	H
ATOM	1183	C1'	T B	20	-43.940	32.993	116.485	1.00	0.00	C
ATOM	1184	N1	T B	20	-43.284	32.108	117.483	1.00	0.00	N

ATOM	1185	C2	T B	20	-43.939	30.940	117.816	1.00	0.00	C
ATOM	1186	O2	T B	20	-45.010	30.621	117.330	1.00	0.00	O
ATOM	1187	N3	T B	20	-43.292	30.148	118.748	1.00	0.00	N
ATOM	1188	C4	T B	20	-42.086	30.414	119.356	1.00	0.00	C
ATOM	1189	O4	T B	20	-41.605	29.626	120.180	1.00	0.00	O
ATOM	1190	C5	T B	20	-41.477	31.656	118.944	1.00	0.00	C
ATOM	1191	C6	T B	20	-42.077	32.453	118.039	1.00	0.00	C
ATOM	1192	C7	T B	20	-40.160	31.986	119.581	1.00	0.00	C
ATOM	1193	C2'	T B	20	-43.778	34.479	116.781	1.00	0.00	C
ATOM	1194	C3'	T B	20	-43.658	35.070	115.385	1.00	0.00	C
ATOM	1195	O3'	T B	20	-44.964	35.288	114.854	1.00	0.00	O
ATOM	1196	C4'	T B	20	-42.897	33.988	114.622	1.00	0.00	C
ATOM	1197	O4'	T B	20	-43.353	32.734	115.225	1.00	0.00	O
ATOM	1198	C5'	T B	20	-41.389	34.042	114.704	1.00	0.00	C
ATOM	1199	O5'	T B	20	-40.986	34.476	116.028	1.00	0.00	O
ATOM	1200	O1P	T B	20	-39.908	36.710	115.605	1.00	0.00	O
ATOM	1201	O2P	T B	20	-39.210	35.334	117.583	1.00	0.00	O
ATOM	1202	P	T B	20	-39.673	35.369	116.175	1.00	0.00	P
ATOM	1203	H3	T B	20	-43.760	29.270	119.013	1.00	0.00	H
ATOM	1204	H6	T B	20	-41.598	33.387	117.744	1.00	0.00	H
ATOM	1205	H1'	T B	20	-44.994	32.720	116.425	1.00	0.00	H
ATOM	1206	H3'	T B	20	-43.109	36.010	115.386	1.00	0.00	H
ATOM	1207	H4'	T B	20	-43.177	34.083	113.572	1.00	0.00	H
ATOM	1208	H3T	T B	20	-45.550	35.803	115.412	1.00	0.00	H
ATOM	1209	H71	T B	20	-40.269	32.873	120.204	1.00	0.00	H
ATOM	1210	H72	T B	20	-39.835	31.147	120.199	1.00	0.00	H
ATOM	1211	H73	T B	20	-39.417	32.175	118.806	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-42.892	34.686	117.378	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-44.636	34.890	117.313	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-40.983	33.052	114.499	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-41.017	34.743	113.957	1.00	0.00	H
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ATOM	1	C1'	A A	1	-31.745	52.146	93.627	1.00	0.00	C
ATOM	2	N1	A A	1	-27.143	53.192	95.645	1.00	0.00	N
ATOM	3	C2	A A	1	-27.702	53.497	94.478	1.00	0.00	C
ATOM	4	N3	A A	1	-28.899	53.197	94.021	1.00	0.00	N
ATOM	5	C4	A A	1	-29.577	52.473	94.929	1.00	0.00	C
ATOM	6	C5	A A	1	-29.149	52.077	96.165	1.00	0.00	C
ATOM	7	C6	A A	1	-27.844	52.470	96.532	1.00	0.00	C
ATOM	8	N6	A A	1	-27.288	52.154	97.715	1.00	0.00	N
ATOM	9	N7	A A	1	-30.123	51.344	96.821	1.00	0.00	N
ATOM	10	C8	A A	1	-31.109	51.313	95.975	1.00	0.00	C
ATOM	11	N9	A A	1	-30.853	51.977	94.804	1.00	0.00	N
ATOM	12	C2'	A A	1	-32.588	50.919	93.315	1.00	0.00	C
ATOM	13	C3'	A A	1	-33.886	51.543	92.826	1.00	0.00	C
ATOM	14	O3'	A A	1	-33.765	51.851	91.440	1.00	0.00	O
ATOM	15	C4'	A A	1	-34.005	52.800	93.688	1.00	0.00	C
ATOM	16	O4'	A A	1	-32.620	53.223	93.901	1.00	0.00	O
ATOM	17	C5'	A A	1	-34.671	52.630	95.033	1.00	0.00	C
ATOM	18	O5'	A A	1	-34.313	51.343	95.599	1.00	0.00	O
ATOM	19	H2	A A	1	-27.079	54.082	93.801	1.00	0.00	H
ATOM	20	H8	A A	1	-32.054	50.805	96.177	1.00	0.00	H
ATOM	21	H1'	A A	1	-31.129	52.426	92.771	1.00	0.00	H
ATOM	22	H3'	A A	1	-34.740	50.881	92.976	1.00	0.00	H

ATOM	23	H4'	A A	1	-34.588	53.521	93.116	1.00	0.00	H
ATOM	24	H61	A A	1	-26.334	52.465	97.933	1.00	0.00	H
ATOM	25	H62	A A	1	-27.821	51.600	98.400	1.00	0.00	H
ATOM	26	H5T	A A	1	-34.961	50.877	96.133	1.00	0.00	H
ATOM	27	H2'1	A A	1	-32.754	50.297	94.194	1.00	0.00	H
ATOM	28	H2'2	A A	1	-32.138	50.291	92.547	1.00	0.00	H
ATOM	29	H5'1	A A	1	-34.342	53.428	95.698	1.00	0.00	H
ATOM	30	H5'2	A A	1	-35.751	52.689	94.908	1.00	0.00	H
ATOM	31	C1'	G A	2	-28.193	51.550	90.207	1.00	0.00	C
ATOM	32	N1	G A	2	-25.195	50.747	94.255	1.00	0.00	N
ATOM	33	C2	G A	2	-24.957	51.477	93.107	1.00	0.00	C
ATOM	34	N2	G A	2	-23.762	52.073	93.025	1.00	0.00	N
ATOM	35	N3	G A	2	-25.842	51.606	92.119	1.00	0.00	N
ATOM	36	C4	G A	2	-26.995	50.933	92.368	1.00	0.00	C
ATOM	37	C5	G A	2	-27.320	50.175	93.482	1.00	0.00	C
ATOM	38	C6	G A	2	-26.381	50.044	94.533	1.00	0.00	C
ATOM	39	O6	G A	2	-26.485	49.422	95.592	1.00	0.00	O
ATOM	40	N7	G A	2	-28.606	49.646	93.349	1.00	0.00	N
ATOM	41	C8	G A	2	-29.011	50.092	92.188	1.00	0.00	C
ATOM	42	N9	G A	2	-28.088	50.879	91.531	1.00	0.00	N
ATOM	43	C2'	G A	2	-28.934	50.730	89.160	1.00	0.00	C
ATOM	44	C3'	G A	2	-29.669	51.804	88.377	1.00	0.00	C
ATOM	45	O3'	G A	2	-28.796	52.338	87.383	1.00	0.00	O
ATOM	46	C4'	G A	2	-30.018	52.832	89.452	1.00	0.00	C
ATOM	47	O4'	G A	2	-28.900	52.762	90.393	1.00	0.00	O
ATOM	48	C5'	G A	2	-31.304	52.600	90.209	1.00	0.00	C
ATOM	49	O5'	G A	2	-31.503	51.180	90.415	1.00	0.00	O
ATOM	50	O1P	G A	2	-33.553	50.675	89.045	1.00	0.00	O
ATOM	51	O2P	G A	2	-33.004	49.266	91.046	1.00	0.00	O
ATOM	52	P	G A	2	-32.990	50.605	90.407	1.00	0.00	P
ATOM	53	H1	G A	2	-24.445	50.712	94.961	1.00	0.00	H
ATOM	54	H8	G A	2	-29.992	49.861	91.775	1.00	0.00	H
ATOM	55	H1'	G A	2	-27.187	51.796	89.869	1.00	0.00	H
ATOM	56	H21	G A	2	-23.083	51.970	93.792	1.00	0.00	H
ATOM	57	H3'	G A	2	-30.569	51.417	87.896	1.00	0.00	H
ATOM	58	H22	G A	2	-23.522	52.631	92.192	1.00	0.00	H
ATOM	59	H4'	G A	2	-30.094	53.798	88.954	1.00	0.00	H
ATOM	60	H2'1	G A	2	-29.630	50.020	89.609	1.00	0.00	H
ATOM	61	H2'2	G A	2	-28.256	50.165	88.521	1.00	0.00	H
ATOM	62	H5'1	G A	2	-31.247	53.108	91.172	1.00	0.00	H
ATOM	63	H5'2	G A	2	-32.135	53.011	89.636	1.00	0.00	H
ATOM	64	C1'	G A	3	-23.564	50.633	88.706	1.00	0.00	C
ATOM	65	N1	G A	3	-23.207	48.180	93.163	1.00	0.00	N
ATOM	66	C2	G A	3	-22.308	49.023	92.542	1.00	0.00	C
ATOM	67	N2	G A	3	-21.157	49.242	93.192	1.00	0.00	N
ATOM	68	N3	G A	3	-22.534	49.604	91.367	1.00	0.00	N
ATOM	69	C4	G A	3	-23.744	49.266	90.847	1.00	0.00	C
ATOM	70	C5	G A	3	-24.705	48.430	91.394	1.00	0.00	C
ATOM	71	C6	G A	3	-24.465	47.817	92.646	1.00	0.00	C
ATOM	72	O6	G A	3	-25.187	47.053	93.288	1.00	0.00	O
ATOM	73	N7	G A	3	-25.809	48.344	90.545	1.00	0.00	N
ATOM	74	C8	G A	3	-25.493	49.112	89.536	1.00	0.00	C
ATOM	75	N9	G A	3	-24.254	49.708	89.646	1.00	0.00	N
ATOM	76	C2'	G A	3	-23.791	50.297	87.239	1.00	0.00	C

ATOM	77	C3'	G A	3	-23.843	51.675	86.602	1.00	0.00	C
ATOM	78	O3'	G A	3	-22.515	52.117	86.328	1.00	0.00	O
ATOM	79	C4'	G A	3	-24.521	52.522	87.678	1.00	0.00	C
ATOM	80	O4'	G A	3	-24.064	51.935	88.938	1.00	0.00	O
ATOM	81	C5'	G A	3	-26.032	52.532	87.670	1.00	0.00	C
ATOM	82	O5'	G A	3	-26.531	51.224	87.298	1.00	0.00	O
ATOM	83	O1P	G A	3	-27.651	51.636	85.082	1.00	0.00	O
ATOM	84	O2P	G A	3	-28.424	49.753	86.547	1.00	0.00	O
ATOM	85	P	G A	3	-27.877	51.128	86.447	1.00	0.00	P
ATOM	86	H1	G A	3	-22.936	47.784	94.077	1.00	0.00	H
ATOM	87	H8	G A	3	-26.150	49.271	88.682	1.00	0.00	H
ATOM	88	H1'	G A	3	-22.501	50.634	88.947	1.00	0.00	H
ATOM	89	H21	G A	3	-20.989	48.792	94.104	1.00	0.00	H
ATOM	90	H3'	G A	3	-24.422	51.677	85.678	1.00	0.00	H
ATOM	91	H22	G A	3	-20.444	49.859	92.782	1.00	0.00	H
ATOM	92	H4'	G A	3	-24.181	53.548	87.537	1.00	0.00	H
ATOM	93	H2'1	G A	3	-24.719	49.751	87.079	1.00	0.00	H
ATOM	94	H2'2	G A	3	-22.980	49.698	86.822	1.00	0.00	H
ATOM	95	H5'1	G A	3	-26.393	52.796	88.664	1.00	0.00	H
ATOM	96	H5'2	G A	3	-26.380	53.278	86.955	1.00	0.00	H
ATOM	97	C1'	C A	4	-19.025	48.712	89.202	1.00	0.00	C
ATOM	98	N1	C A	4	-20.233	47.860	89.393	1.00	0.00	N
ATOM	99	C2	C A	4	-20.319	47.107	90.562	1.00	0.00	C
ATOM	100	O2	C A	4	-19.400	47.175	91.387	1.00	0.00	O
ATOM	101	N3	C A	4	-21.409	46.326	90.755	1.00	0.00	N
ATOM	102	C4	C A	4	-22.388	46.273	89.843	1.00	0.00	C
ATOM	103	N4	C A	4	-23.433	45.494	90.085	1.00	0.00	N
ATOM	104	C5	C A	4	-22.322	47.034	88.631	1.00	0.00	C
ATOM	105	C6	C A	4	-21.219	47.816	88.460	1.00	0.00	C
ATOM	106	C2'	C A	4	-18.527	48.755	87.765	1.00	0.00	C
ATOM	107	C3'	C A	4	-18.034	50.190	87.643	1.00	0.00	C
ATOM	108	O3'	C A	4	-16.699	50.269	88.141	1.00	0.00	O
ATOM	109	C4'	C A	4	-19.021	50.964	88.514	1.00	0.00	C
ATOM	110	O4'	C A	4	-19.364	50.031	89.588	1.00	0.00	O
ATOM	111	C5'	C A	4	-20.296	51.416	87.843	1.00	0.00	C
ATOM	112	O5'	C A	4	-20.734	50.411	86.894	1.00	0.00	O
ATOM	113	O1P	C A	4	-20.498	51.566	84.670	1.00	0.00	O
ATOM	114	O2P	C A	4	-22.191	49.737	84.961	1.00	0.00	O
ATOM	115	P	C A	4	-21.461	50.884	85.556	1.00	0.00	P
ATOM	116	H5	C A	4	-23.116	46.990	87.883	1.00	0.00	H
ATOM	117	H6	C A	4	-21.125	48.417	87.555	1.00	0.00	H
ATOM	118	H1'	C A	4	-18.247	48.354	89.875	1.00	0.00	H
ATOM	119	H3'	C A	4	-18.056	50.542	86.613	1.00	0.00	H
ATOM	120	H4'	C A	4	-18.499	51.852	88.871	1.00	0.00	H
ATOM	121	H41	C A	4	-24.201	45.436	89.400	1.00	0.00	H
ATOM	122	H42	C A	4	-23.477	44.946	90.956	1.00	0.00	H
ATOM	123	H2'1	C A	4	-19.318	48.548	87.046	1.00	0.00	H
ATOM	124	H2'2	C A	4	-17.723	48.041	87.583	1.00	0.00	H
ATOM	125	H5'1	C A	4	-21.066	51.569	88.599	1.00	0.00	H
ATOM	126	H5'2	C A	4	-20.113	52.357	87.323	1.00	0.00	H
ATOM	127	C1'	C A	5	-15.738	45.476	91.007	1.00	0.00	C
ATOM	128	N1	C A	5	-16.992	44.999	90.360	1.00	0.00	N
ATOM	129	C2	C A	5	-17.778	44.087	91.058	1.00	0.00	C
ATOM	130	O2	C A	5	-17.409	43.711	92.179	1.00	0.00	O

ATOM	131	N3	C A	5	-18.925	43.640	90.486	1.00	0.00	N
ATOM	132	C4	C A	5	-19.298	44.062	89.274	1.00	0.00	C
ATOM	133	N4	C A	5	-20.428	43.597	88.764	1.00	0.00	N
ATOM	134	C5	C A	5	-18.507	45.000	88.532	1.00	0.00	C
ATOM	135	C6	C A	5	-17.361	45.438	89.128	1.00	0.00	C
ATOM	136	C2'	C A	5	-14.580	45.661	90.037	1.00	0.00	C
ATOM	137	C3'	C A	5	-13.875	46.877	90.615	1.00	0.00	C
ATOM	138	O3'	C A	5	-12.984	46.457	91.647	1.00	0.00	O
ATOM	139	C4'	C A	5	-15.030	47.716	91.155	1.00	0.00	C
ATOM	140	O4'	C A	5	-16.013	46.731	91.604	1.00	0.00	O
ATOM	141	C5'	C A	5	-15.697	48.652	90.174	1.00	0.00	C
ATOM	142	O5'	C A	5	-15.745	48.034	88.863	1.00	0.00	O
ATOM	143	O1P	C A	5	-14.234	49.491	87.476	1.00	0.00	O
ATOM	144	O2P	C A	5	-16.105	48.227	86.384	1.00	0.00	O
ATOM	145	P	C A	5	-15.607	48.961	87.573	1.00	0.00	P
ATOM	146	H5	C A	5	-18.805	45.345	87.541	1.00	0.00	H
ATOM	147	H6	C A	5	-16.728	46.155	88.605	1.00	0.00	H
ATOM	148	H1'	C A	5	-15.478	44.777	91.801	1.00	0.00	H
ATOM	149	H3'	C A	5	-13.313	47.423	89.855	1.00	0.00	H
ATOM	150	H4'	C A	5	-14.629	48.320	91.970	1.00	0.00	H
ATOM	151	H41	C A	5	-20.741	43.907	87.832	1.00	0.00	H
ATOM	152	H42	C A	5	-20.996	42.921	89.298	1.00	0.00	H
ATOM	153	H2'1	C A	5	-14.918	45.845	89.018	1.00	0.00	H
ATOM	154	H2'2	C A	5	-13.919	44.792	90.012	1.00	0.00	H
ATOM	155	H5'1	C A	5	-16.709	48.869	90.516	1.00	0.00	H
ATOM	156	H5'2	C A	5	-15.128	49.580	90.124	1.00	0.00	H
ATOM	157	C1'	G A	6	-14.385	41.119	92.933	1.00	0.00	C
ATOM	158	N1	G A	6	-18.578	39.416	90.578	1.00	0.00	N
ATOM	159	C2	G A	6	-18.092	39.132	91.842	1.00	0.00	C
ATOM	160	N2	G A	6	-18.817	38.278	92.574	1.00	0.00	N
ATOM	161	N3	G A	6	-16.971	39.656	92.334	1.00	0.00	N
ATOM	162	C4	G A	6	-16.363	40.493	91.453	1.00	0.00	C
ATOM	163	C5	G A	6	-16.771	40.833	90.175	1.00	0.00	C
ATOM	164	C6	G A	6	-17.962	40.279	89.653	1.00	0.00	C
ATOM	165	O6	G A	6	-18.483	40.457	88.551	1.00	0.00	O
ATOM	166	N7	G A	6	-15.863	41.723	89.598	1.00	0.00	N
ATOM	167	C8	G A	6	-14.956	41.894	90.523	1.00	0.00	C
ATOM	168	N9	G A	6	-15.189	41.179	91.681	1.00	0.00	N
ATOM	169	C2'	G A	6	-12.882	41.147	92.698	1.00	0.00	C
ATOM	170	C3'	G A	6	-12.389	41.954	93.889	1.00	0.00	C
ATOM	171	O3'	G A	6	-12.228	41.087	95.008	1.00	0.00	O
ATOM	172	C4'	G A	6	-13.511	42.968	94.100	1.00	0.00	C
ATOM	173	O4'	G A	6	-14.725	42.247	93.717	1.00	0.00	O
ATOM	174	C5'	G A	6	-13.429	44.239	93.288	1.00	0.00	C
ATOM	175	O5'	G A	6	-12.899	43.948	91.971	1.00	0.00	O
ATOM	176	O1P	G A	6	-10.684	45.143	91.957	1.00	0.00	O
ATOM	177	O2P	G A	6	-11.907	44.744	89.803	1.00	0.00	O
ATOM	178	P	G A	6	-11.977	45.036	91.256	1.00	0.00	P
ATOM	179	H1	G A	6	-19.460	38.962	90.294	1.00	0.00	H
ATOM	180	H8	G A	6	-14.090	42.543	90.396	1.00	0.00	H
ATOM	181	H1'	G A	6	-14.679	40.225	93.484	1.00	0.00	H
ATOM	182	H21	G A	6	-19.685	37.877	92.189	1.00	0.00	H
ATOM	183	H3'	G A	6	-11.441	42.454	93.681	1.00	0.00	H
ATOM	184	H22	G A	6	-18.507	38.021	93.523	1.00	0.00	H

ATOM	185	H4'	G A	6	-13.495	43.244	95.153	1.00	0.00	H
ATOM	186	H2'1	G A	6	-12.618	41.630	91.755	1.00	0.00	H
ATOM	187	H2'2	G A	6	-12.445	40.148	92.686	1.00	0.00	H
ATOM	188	H5'1	G A	6	-14.425	44.672	93.196	1.00	0.00	H
ATOM	189	H5'2	G A	6	-12.777	44.949	93.799	1.00	0.00	H
ATOM	190	C1'	C A	7	-14.906	36.262	93.746	1.00	0.00	C
ATOM	191	N1	C A	7	-14.946	36.805	92.362	1.00	0.00	N
ATOM	192	C2	C A	7	-16.025	36.450	91.554	1.00	0.00	C
ATOM	193	O2	C A	7	-16.898	35.704	92.017	1.00	0.00	O
ATOM	194	N3	C A	7	-16.083	36.934	90.289	1.00	0.00	N
ATOM	195	C4	C A	7	-15.122	37.739	89.816	1.00	0.00	C
ATOM	196	N4	C A	7	-15.229	38.184	88.572	1.00	0.00	N
ATOM	197	C5	C A	7	-13.999	38.117	90.622	1.00	0.00	C
ATOM	198	C6	C A	7	-13.964	37.621	91.894	1.00	0.00	C
ATOM	199	C2'	C A	7	-13.507	35.889	94.219	1.00	0.00	C
ATOM	200	C3'	C A	7	-13.561	36.260	95.693	1.00	0.00	C
ATOM	201	O3'	C A	7	-14.129	35.177	96.427	1.00	0.00	O
ATOM	202	C4'	C A	7	-14.456	37.497	95.700	1.00	0.00	C
ATOM	203	O4'	C A	7	-15.408	37.260	94.614	1.00	0.00	O
ATOM	204	C5'	C A	7	-13.770	38.823	95.459	1.00	0.00	C
ATOM	205	O5'	C A	7	-12.702	38.655	94.493	1.00	0.00	O
ATOM	206	O1P	C A	7	-10.624	39.119	95.835	1.00	0.00	O
ATOM	207	O2P	C A	7	-10.640	39.536	93.361	1.00	0.00	O
ATOM	208	P	C A	7	-11.386	39.542	94.642	1.00	0.00	P
ATOM	209	H5	C A	7	-13.210	38.766	90.240	1.00	0.00	H
ATOM	210	H6	C A	7	-13.133	37.887	92.549	1.00	0.00	H
ATOM	211	H1'	C A	7	-15.577	35.404	93.797	1.00	0.00	H
ATOM	212	H3'	C A	7	-12.571	36.487	96.093	1.00	0.00	H
ATOM	213	H4'	C A	7	-14.928	37.541	96.681	1.00	0.00	H
ATOM	214	H41	C A	7	-14.506	38.807	88.185	1.00	0.00	H
ATOM	215	H42	C A	7	-16.036	37.910	87.994	1.00	0.00	H
ATOM	216	H2'1	C A	7	-12.731	36.449	93.698	1.00	0.00	H
ATOM	217	H2'2	C A	7	-13.293	34.829	94.082	1.00	0.00	H
ATOM	218	H5'1	C A	7	-14.500	39.540	95.081	1.00	0.00	H
ATOM	219	H5'2	C A	7	-13.362	39.190	96.399	1.00	0.00	H
ATOM	220	C1'	A A	8	-16.522	31.711	92.662	1.00	0.00	C
ATOM	221	N1	A A	8	-16.527	33.483	87.844	1.00	0.00	N
ATOM	222	C2	A A	8	-17.391	32.737	88.528	1.00	0.00	C
ATOM	223	N3	A A	8	-17.329	32.316	89.774	1.00	0.00	N
ATOM	224	C4	A A	8	-16.194	32.748	90.354	1.00	0.00	C
ATOM	225	C5	A A	8	-15.211	33.515	89.795	1.00	0.00	C
ATOM	226	C6	A A	8	-15.405	33.900	88.452	1.00	0.00	C
ATOM	227	N6	A A	8	-14.527	34.652	87.769	1.00	0.00	N
ATOM	228	N7	A A	8	-14.193	33.763	90.698	1.00	0.00	N
ATOM	229	C8	A A	8	-14.576	33.143	91.777	1.00	0.00	C
ATOM	230	N9	A A	8	-15.783	32.505	91.644	1.00	0.00	N
ATOM	231	C2'	A A	8	-15.619	30.868	93.554	1.00	0.00	C
ATOM	232	C3'	A A	8	-16.343	30.938	94.890	1.00	0.00	C
ATOM	233	O3'	A A	8	-17.360	29.939	94.921	1.00	0.00	O
ATOM	234	C4'	A A	8	-16.921	32.352	94.891	1.00	0.00	C
ATOM	235	O4'	A A	8	-17.230	32.616	93.483	1.00	0.00	O
ATOM	236	C5'	A A	8	-16.014	33.445	95.403	1.00	0.00	C
ATOM	237	O5'	A A	8	-14.647	33.177	95.001	1.00	0.00	O
ATOM	238	O1P	A A	8	-13.472	32.752	97.186	1.00	0.00	O

ATOM	239	O2P	A A	8	-12.188	33.642	95.222	1.00	0.00	O
ATOM	240	P	A A	8	-13.463	33.603	95.980	1.00	0.00	P
ATOM	241	H2	A A	8	-18.278	32.430	87.978	1.00	0.00	H
ATOM	242	H8	A A	8	-13.994	33.130	92.697	1.00	0.00	H
ATOM	243	H1'	A A	8	-17.250	31.088	92.144	1.00	0.00	H
ATOM	244	H3'	A A	8	-15.665	30.788	95.730	1.00	0.00	H
ATOM	245	H4'	A A	8	-17.808	32.330	95.525	1.00	0.00	H
ATOM	246	H61	A A	8	-14.717	34.907	86.790	1.00	0.00	H
ATOM	247	H62	A A	8	-13.661	34.974	88.228	1.00	0.00	H
ATOM	248	H2'1	A A	8	-14.613	31.276	93.627	1.00	0.00	H
ATOM	249	H2'2	A A	8	-15.534	29.840	93.201	1.00	0.00	H
ATOM	250	H5'1	A A	8	-16.339	34.401	94.988	1.00	0.00	H
ATOM	251	H5'2	A A	8	-16.078	33.485	96.489	1.00	0.00	H
ATOM	252	C1'	C A	9	-18.059	28.175	89.531	1.00	0.00	C
ATOM	253	N1	C A	9	-16.784	28.900	89.280	1.00	0.00	N
ATOM	254	C2	C A	9	-16.588	29.463	88.020	1.00	0.00	C
ATOM	255	O2	C A	9	-17.478	29.336	87.168	1.00	0.00	O
ATOM	256	N3	C A	9	-15.435	30.128	87.772	1.00	0.00	N
ATOM	257	C4	C A	9	-14.492	30.246	88.715	1.00	0.00	C
ATOM	258	N4	C A	9	-13.384	30.909	88.418	1.00	0.00	N
ATOM	259	C5	C A	9	-14.662	29.674	90.019	1.00	0.00	C
ATOM	260	C6	C A	9	-15.835	29.012	90.249	1.00	0.00	C
ATOM	261	C2'	C A	9	-17.898	26.933	90.396	1.00	0.00	C
ATOM	262	C3'	C A	9	-19.186	26.941	91.207	1.00	0.00	C
ATOM	263	O3'	C A	9	-20.220	26.318	90.449	1.00	0.00	O
ATOM	264	C4'	C A	9	-19.445	28.431	91.418	1.00	0.00	C
ATOM	265	O4'	C A	9	-18.935	29.063	90.201	1.00	0.00	O
ATOM	266	C5'	C A	9	-18.768	29.068	92.610	1.00	0.00	C
ATOM	267	O5'	C A	9	-17.454	28.483	92.799	1.00	0.00	O
ATOM	268	O1P	C A	9	-17.663	27.279	94.999	1.00	0.00	O
ATOM	269	O2P	C A	9	-15.426	28.119	94.237	1.00	0.00	O
ATOM	270	P	C A	9	-16.895	28.315	94.283	1.00	0.00	P
ATOM	271	H5	C A	9	-13.893	29.763	90.789	1.00	0.00	H
ATOM	272	H6	C A	9	-16.013	28.568	91.227	1.00	0.00	H
ATOM	273	H1'	C A	9	-18.505	27.925	88.569	1.00	0.00	H
ATOM	274	H3'	C A	9	-19.071	26.423	92.159	1.00	0.00	H
ATOM	275	H4'	C A	9	-20.520	28.552	91.543	1.00	0.00	H
ATOM	276	H41	C A	9	-12.643	31.019	89.126	1.00	0.00	H
ATOM	277	H42	C A	9	-13.263	31.318	87.479	1.00	0.00	H
ATOM	278	H2'1	C A	9	-17.023	26.989	91.044	1.00	0.00	H
ATOM	279	H2'2	C A	9	-17.807	26.023	89.802	1.00	0.00	H
ATOM	280	H5'1	C A	9	-18.673	30.140	92.439	1.00	0.00	H
ATOM	281	H5'2	C A	9	-19.378	28.900	93.498	1.00	0.00	H
ATOM	282	C1'	C A	10	-18.337	25.947	85.117	1.00	0.00	C
ATOM	283	N1	C A	10	-17.015	26.297	85.705	1.00	0.00	N
ATOM	284	C2	C A	10	-16.123	27.019	84.915	1.00	0.00	C
ATOM	285	O2	C A	10	-16.462	27.338	83.767	1.00	0.00	O
ATOM	286	N3	C A	10	-14.914	27.351	85.430	1.00	0.00	N
ATOM	287	C4	C A	10	-14.575	26.992	86.675	1.00	0.00	C
ATOM	288	N4	C A	10	-13.381	27.344	87.130	1.00	0.00	N
ATOM	289	C5	C A	10	-15.471	26.245	87.509	1.00	0.00	C
ATOM	290	C6	C A	10	-16.686	25.928	86.971	1.00	0.00	C
ATOM	291	C2'	C A	10	-18.837	24.564	85.515	1.00	0.00	C
ATOM	292	C3'	C A	10	-20.338	24.790	85.627	1.00	0.00	C

ATOM	293	O3'	C A	10	-20.926	24.666	84.335	1.00	0.00	O
ATOM	294	C4'	C A	10	-20.428	26.216	86.167	1.00	0.00	C
ATOM	295	O4'	C A	10	-19.279	26.901	85.575	1.00	0.00	O
ATOM	296	C5'	C A	10	-20.360	26.370	87.669	1.00	0.00	C
ATOM	297	O5'	C A	10	-19.436	25.397	88.220	1.00	0.00	O
ATOM	298	O1P	C A	10	-20.921	23.890	89.583	1.00	0.00	O
ATOM	299	O2P	C A	10	-18.507	24.167	90.203	1.00	0.00	O
ATOM	300	P	C A	10	-19.743	24.776	89.656	1.00	0.00	P
ATOM	301	H5	C A	10	-15.198	25.946	88.521	1.00	0.00	H
ATOM	302	H6	C A	10	-17.404	25.368	87.568	1.00	0.00	H
ATOM	303	H1'	C A	10	-18.265	26.040	84.034	1.00	0.00	H
ATOM	304	H3'	C A	10	-20.807	24.080	86.307	1.00	0.00	H
ATOM	305	H4'	C A	10	-21.384	26.620	85.835	1.00	0.00	H
ATOM	306	H41	C A	10	-13.096	27.083	88.085	1.00	0.00	H
ATOM	307	H42	C A	10	-12.737	27.879	86.528	1.00	0.00	H
ATOM	308	H2'1	C A	10	-18.417	24.228	86.462	1.00	0.00	H
ATOM	309	H2'2	C A	10	-18.604	23.809	84.764	1.00	0.00	H
ATOM	310	H5'1	C A	10	-20.021	27.378	87.911	1.00	0.00	H
ATOM	311	H5'2	C A	10	-21.353	26.214	88.089	1.00	0.00	H
ATOM	312	C1'	T A	11	-16.706	24.833	80.579	1.00	0.00	C
ATOM	313	N1	T A	11	-15.813	24.662	81.755	1.00	0.00	N
ATOM	314	C2	T A	11	-14.561	25.239	81.684	1.00	0.00	C
ATOM	315	O2	T A	11	-14.177	25.865	80.711	1.00	0.00	O
ATOM	316	N3	T A	11	-13.763	25.058	82.799	1.00	0.00	N
ATOM	317	C4	T A	11	-14.099	24.366	83.946	1.00	0.00	C
ATOM	318	O4	T A	11	-13.296	24.266	84.883	1.00	0.00	O
ATOM	319	C5	T A	11	-15.427	23.799	83.927	1.00	0.00	C
ATOM	320	C6	T A	11	-16.231	23.958	82.858	1.00	0.00	C
ATOM	321	C7	T A	11	-15.835	23.041	85.155	1.00	0.00	C
ATOM	322	C2'	T A	11	-17.550	23.604	80.266	1.00	0.00	C
ATOM	323	C3'	T A	11	-18.850	24.225	79.782	1.00	0.00	C
ATOM	324	O3'	T A	11	-18.733	24.537	78.394	1.00	0.00	O
ATOM	325	C4'	T A	11	-18.970	25.478	80.645	1.00	0.00	C
ATOM	326	O4'	T A	11	-17.586	25.905	80.856	1.00	0.00	O
ATOM	327	C5'	T A	11	-19.632	25.305	81.993	1.00	0.00	C
ATOM	328	O5'	T A	11	-19.271	24.018	82.554	1.00	0.00	O
ATOM	329	O1P	T A	11	-21.452	22.765	82.592	1.00	0.00	O
ATOM	330	O2P	T A	11	-19.654	22.202	84.249	1.00	0.00	O
ATOM	331	P	T A	11	-20.342	23.238	83.441	1.00	0.00	P
ATOM	332	H3	T A	11	-12.826	25.481	82.772	1.00	0.00	H
ATOM	333	H6	T A	11	-17.231	23.520	82.866	1.00	0.00	H
ATOM	334	H1'	T A	11	-16.095	25.113	79.722	1.00	0.00	H
ATOM	335	H3'	T A	11	-19.701	23.560	79.930	1.00	0.00	H
ATOM	336	H4'	T A	11	-19.557	26.201	80.077	1.00	0.00	H
ATOM	337	H71	T A	11	-15.970	21.989	84.904	1.00	0.00	H
ATOM	338	H72	T A	11	-15.059	23.137	85.915	1.00	0.00	H
ATOM	339	H73	T A	11	-16.771	23.447	85.539	1.00	0.00	H
ATOM	340	H2'1	T A	11	-17.712	22.979	81.142	1.00	0.00	H
ATOM	341	H2'2	T A	11	-17.099	22.977	79.495	1.00	0.00	H
ATOM	342	H5'1	T A	11	-19.305	26.103	82.659	1.00	0.00	H
ATOM	343	H5'2	T A	11	-20.713	25.362	81.870	1.00	0.00	H
ATOM	344	C1'	A A	12	-13.175	24.235	77.144	1.00	0.00	C
ATOM	345	N1	A A	12	-10.138	23.443	81.204	1.00	0.00	N
ATOM	346	C2	A A	12	-9.973	24.128	80.077	1.00	0.00	C

ATOM	347	N3	A	A	12	-10.801	24.295	79.068	1.00	0.00	N
ATOM	348	C4	A	A	12	-11.951	23.636	79.299	1.00	0.00	C
ATOM	349	C5	A	A	12	-12.278	22.890	80.394	1.00	0.00	C
ATOM	350	C6	A	A	12	-11.298	22.796	81.405	1.00	0.00	C
ATOM	351	N6	A	A	12	-11.478	22.098	82.540	1.00	0.00	N
ATOM	352	N7	A	A	12	-13.552	22.363	80.279	1.00	0.00	N
ATOM	353	C8	A	A	12	-13.965	22.793	79.123	1.00	0.00	C
ATOM	354	N9	A	A	12	-13.046	23.575	78.470	1.00	0.00	N
ATOM	355	C2'	A	A	12	-13.927	23.401	76.116	1.00	0.00	C
ATOM	356	C3'	A	A	12	-14.680	24.466	75.333	1.00	0.00	C
ATOM	357	O3'	A	A	12	-13.824	24.997	74.323	1.00	0.00	O
ATOM	358	C4'	A	A	12	-15.019	25.501	76.404	1.00	0.00	C
ATOM	359	O4'	A	A	12	-13.887	25.443	77.332	1.00	0.00	O
ATOM	360	C5'	A	A	12	-16.293	25.267	77.181	1.00	0.00	C
ATOM	361	O5'	A	A	12	-16.481	23.846	77.402	1.00	0.00	O
ATOM	362	O1P	A	A	12	-18.547	23.317	76.064	1.00	0.00	O
ATOM	363	O2P	A	A	12	-17.960	21.927	78.069	1.00	0.00	O
ATOM	364	P	A	A	12	-17.964	23.261	77.419	1.00	0.00	P
ATOM	365	H2	A	A	12	-9.009	24.625	79.975	1.00	0.00	H
ATOM	366	H8	A	A	12	-14.946	22.556	78.711	1.00	0.00	H
ATOM	367	H1'	A	A	12	-12.176	24.486	76.788	1.00	0.00	H
ATOM	368	H3'	A	A	12	-15.582	24.071	74.867	1.00	0.00	H
ATOM	369	H4'	A	A	12	-15.108	26.461	75.898	1.00	0.00	H
ATOM	370	H61	A	A	12	-10.731	22.064	83.247	1.00	0.00	H
ATOM	371	H62	A	A	12	-12.365	21.598	82.701	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-14.611	22.691	76.578	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-13.254	22.836	75.471	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-16.225	25.781	78.140	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-17.135	25.667	76.618	1.00	0.00	H
ATOM	376	C1'	G	A	13	-8.527	23.318	75.658	1.00	0.00	C
ATOM	377	N1	G	A	13	-8.171	20.864	80.116	1.00	0.00	N
ATOM	378	C2	G	A	13	-7.270	21.710	79.494	1.00	0.00	C
ATOM	379	N2	G	A	13	-6.118	21.928	80.144	1.00	0.00	N
ATOM	380	N3	G	A	13	-7.498	22.289	78.317	1.00	0.00	N
ATOM	381	C4	G	A	13	-8.708	21.950	77.799	1.00	0.00	C
ATOM	382	C5	G	A	13	-9.668	21.116	78.346	1.00	0.00	C
ATOM	383	C6	G	A	13	-9.428	20.502	79.599	1.00	0.00	C
ATOM	384	O6	G	A	13	-10.151	19.737	80.238	1.00	0.00	O
ATOM	385	N7	G	A	13	-10.772	21.028	77.497	1.00	0.00	N
ATOM	386	C8	G	A	13	-10.457	21.798	76.488	1.00	0.00	C
ATOM	387	N9	G	A	13	-9.217	22.392	76.600	1.00	0.00	N
ATOM	388	C2'	G	A	13	-8.754	22.983	74.191	1.00	0.00	C
ATOM	389	C3'	G	A	13	-8.807	24.361	73.553	1.00	0.00	C
ATOM	390	O3'	G	A	13	-7.480	24.802	73.280	1.00	0.00	O
ATOM	391	C4'	G	A	13	-9.485	25.208	74.629	1.00	0.00	C
ATOM	392	O4'	G	A	13	-9.028	24.621	75.890	1.00	0.00	O
ATOM	393	C5'	G	A	13	-10.996	25.217	74.622	1.00	0.00	C
ATOM	394	O5'	G	A	13	-11.493	23.909	74.250	1.00	0.00	O
ATOM	395	O1P	G	A	13	-12.614	24.321	72.034	1.00	0.00	O
ATOM	396	O2P	G	A	13	-13.388	22.438	73.499	1.00	0.00	O
ATOM	397	P	G	A	13	-12.841	23.813	73.400	1.00	0.00	P
ATOM	398	H1	G	A	13	-7.901	20.472	81.032	1.00	0.00	H
ATOM	399	H8	G	A	13	-11.114	21.956	75.633	1.00	0.00	H
ATOM	400	H1'	G	A	13	-7.464	23.320	75.899	1.00	0.00	H

ATOM	401	H21	G A	13	-5.951	21.477	81.056	1.00	0.00	H
ATOM	402	H3'	G A	13	-9.386	24.363	72.629	1.00	0.00	H
ATOM	403	H22	G A	13	-5.406	22.544	79.732	1.00	0.00	H
ATOM	404	H4'	G A	13	-9.144	26.232	74.490	1.00	0.00	H
ATOM	405	H2'1	G A	13	-9.683	22.436	74.031	1.00	0.00	H
ATOM	406	H2'2	G A	13	-7.944	22.383	73.774	1.00	0.00	H
ATOM	407	H5'1	G A	13	-11.356	25.481	75.616	1.00	0.00	H
ATOM	408	H5'2	G A	13	-11.345	25.962	73.907	1.00	0.00	H
ATOM	409	C1'	G A	14	-3.989	21.397	76.154	1.00	0.00	C
ATOM	410	N1	G A	14	-6.341	18.100	79.258	1.00	0.00	N
ATOM	411	C2	G A	14	-5.128	18.749	79.405	1.00	0.00	C
ATOM	412	N2	G A	14	-4.448	18.481	80.527	1.00	0.00	N
ATOM	413	N3	G A	14	-4.631	19.596	78.505	1.00	0.00	N
ATOM	414	C4	G A	14	-5.447	19.741	77.429	1.00	0.00	C
ATOM	415	C5	G A	14	-6.670	19.134	77.195	1.00	0.00	C
ATOM	416	C6	G A	14	-7.199	18.238	78.150	1.00	0.00	C
ATOM	417	O6	G A	14	-8.257	17.608	78.123	1.00	0.00	O
ATOM	418	N7	G A	14	-7.186	19.552	75.965	1.00	0.00	N
ATOM	419	C8	G A	14	-6.285	20.380	75.508	1.00	0.00	C
ATOM	420	N9	G A	14	-5.198	20.547	76.340	1.00	0.00	N
ATOM	421	C2'	G A	14	-3.490	21.447	74.717	1.00	0.00	C
ATOM	422	C3'	G A	14	-2.993	22.879	74.603	1.00	0.00	C
ATOM	423	O3'	G A	14	-1.659	22.954	75.101	1.00	0.00	O
ATOM	424	C4'	G A	14	-3.980	23.651	75.475	1.00	0.00	C
ATOM	425	O4'	G A	14	-4.326	22.714	76.545	1.00	0.00	O
ATOM	426	C5'	G A	14	-5.254	24.109	74.805	1.00	0.00	C
ATOM	427	O5'	G A	14	-5.693	23.109	73.852	1.00	0.00	O
ATOM	428	O1P	G A	14	-5.452	24.272	71.634	1.00	0.00	O
ATOM	429	O2P	G A	14	-7.150	22.448	71.913	1.00	0.00	O
ATOM	430	P	G A	14	-6.417	23.589	72.515	1.00	0.00	P
ATOM	431	H1	G A	14	-6.638	17.469	80.018	1.00	0.00	H
ATOM	432	H8	G A	14	-6.383	20.894	74.551	1.00	0.00	H
ATOM	433	H1'	G A	14	-3.212	21.035	76.826	1.00	0.00	H
ATOM	434	H21	G A	14	-4.840	17.827	81.222	1.00	0.00	H
ATOM	435	H3'	G A	14	-3.014	23.237	73.574	1.00	0.00	H
ATOM	436	H22	G A	14	-3.537	18.929	80.698	1.00	0.00	H
ATOM	437	H4'	G A	14	-3.457	24.536	75.839	1.00	0.00	H
ATOM	438	H2'1	G A	14	-4.281	21.243	73.996	1.00	0.00	H
ATOM	439	H2'2	G A	14	-2.687	20.732	74.533	1.00	0.00	H
ATOM	440	H5'1	G A	14	-6.023	24.260	75.561	1.00	0.00	H
ATOM	441	H5'2	G A	14	-5.068	25.052	74.290	1.00	0.00	H
ATOM	442	C1'	A A	15	-0.687	18.177	77.950	1.00	0.00	C
ATOM	443	N1	A A	15	-4.791	15.141	78.479	1.00	0.00	N
ATOM	444	C2	A A	15	-3.750	15.392	79.269	1.00	0.00	C
ATOM	445	N3	A A	15	-2.723	16.191	79.072	1.00	0.00	N
ATOM	446	C4	A A	15	-2.826	16.793	77.873	1.00	0.00	C
ATOM	447	C5	A A	15	-3.822	16.644	76.949	1.00	0.00	C
ATOM	448	C6	A A	15	-4.865	15.756	77.288	1.00	0.00	C
ATOM	449	N6	A A	15	-5.910	15.509	76.481	1.00	0.00	N
ATOM	450	N7	A A	15	-3.589	17.425	75.831	1.00	0.00	N
ATOM	451	C8	A A	15	-2.465	18.022	76.097	1.00	0.00	C
ATOM	452	N9	A A	15	-1.943	17.688	77.321	1.00	0.00	N
ATOM	453	C2'	A A	15	0.460	18.367	76.965	1.00	0.00	C
ATOM	454	C3'	A A	15	1.165	19.589	77.531	1.00	0.00	C

ATOM	455	O3'	A	A	15	2.068	19.177	78.552	1.00	0.00	O
ATOM	456	C4'	A	A	15	0.010	20.423	78.083	1.00	0.00	C
ATOM	457	O4'	A	A	15	-0.962	19.430	78.547	1.00	0.00	O
ATOM	458	C5'	A	A	15	-0.676	21.351	77.110	1.00	0.00	C
ATOM	459	O5'	A	A	15	-0.737	20.730	75.800	1.00	0.00	O
ATOM	460	O1P	A	A	15	0.749	22.193	74.390	1.00	0.00	O
ATOM	461	O2P	A	A	15	-1.128	20.912	73.324	1.00	0.00	O
ATOM	462	P	A	A	15	-0.621	21.653	74.505	1.00	0.00	P
ATOM	463	H2	A	A	15	-3.748	14.857	80.219	1.00	0.00	H
ATOM	464	H8	A	A	15	-1.983	18.720	75.414	1.00	0.00	H
ATOM	465	H1'	A	A	15	-0.410	17.482	78.743	1.00	0.00	H
ATOM	466	H3'	A	A	15	1.712	20.137	76.763	1.00	0.00	H
ATOM	467	H4'	A	A	15	0.417	21.030	78.892	1.00	0.00	H
ATOM	468	H61	A	A	15	-6.647	14.854	76.780	1.00	0.00	H
ATOM	469	H62	A	A	15	-5.974	15.977	75.564	1.00	0.00	H
ATOM	470	H2'1	A	A	15	0.106	18.546	75.950	1.00	0.00	H
ATOM	471	H2'2	A	A	15	1.126	17.505	76.935	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-1.684	21.561	77.465	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-0.115	22.282	77.047	1.00	0.00	H
ATOM	474	C1'	C	A	16	0.651	13.805	79.886	1.00	0.00	C
ATOM	475	N1	C	A	16	-0.157	13.859	78.637	1.00	0.00	N
ATOM	476	C2	C	A	16	-1.323	13.100	78.579	1.00	0.00	C
ATOM	477	O2	C	A	16	-1.636	12.413	79.561	1.00	0.00	O
ATOM	478	N3	C	A	16	-2.072	13.135	77.451	1.00	0.00	N
ATOM	479	C4	C	A	16	-1.706	13.886	76.405	1.00	0.00	C
ATOM	480	N4	C	A	16	-2.480	13.887	75.329	1.00	0.00	N
ATOM	481	C5	C	A	16	-0.510	14.676	76.433	1.00	0.00	C
ATOM	482	C6	C	A	16	0.229	14.629	77.582	1.00	0.00	C
ATOM	483	C2'	C	A	16	2.154	13.828	79.646	1.00	0.00	C
ATOM	484	C3'	C	A	16	2.650	14.640	80.833	1.00	0.00	C
ATOM	485	O3'	C	A	16	2.814	13.777	81.955	1.00	0.00	O
ATOM	486	C4'	C	A	16	1.530	15.656	81.043	1.00	0.00	C
ATOM	487	O4'	C	A	16	0.313	14.936	80.667	1.00	0.00	O
ATOM	488	C5'	C	A	16	1.613	16.924	80.226	1.00	0.00	C
ATOM	489	O5'	C	A	16	2.139	16.626	78.909	1.00	0.00	O
ATOM	490	O1P	C	A	16	4.356	17.821	78.883	1.00	0.00	O
ATOM	491	O2P	C	A	16	3.125	17.413	76.735	1.00	0.00	O
ATOM	492	P	C	A	16	3.059	17.711	78.187	1.00	0.00	P
ATOM	493	H5	C	A	16	-0.204	15.285	75.581	1.00	0.00	H
ATOM	494	H6	C	A	16	1.142	15.218	77.654	1.00	0.00	H
ATOM	495	H1'	C	A	16	0.358	12.913	80.442	1.00	0.00	H
ATOM	496	H3'	C	A	16	3.598	15.138	80.617	1.00	0.00	H
ATOM	497	H4'	C	A	16	1.552	15.938	82.095	1.00	0.00	H
ATOM	498	H41	C	A	16	-2.221	14.460	74.510	1.00	0.00	H
ATOM	499	H42	C	A	16	-3.338	13.317	75.309	1.00	0.00	H
ATOM	500	H2'1	C	A	16	2.415	14.308	78.701	1.00	0.00	H
ATOM	501	H2'2	C	A	16	2.589	12.829	79.638	1.00	0.00	H
ATOM	502	H5'1	C	A	16	0.615	17.357	80.136	1.00	0.00	H
ATOM	503	H5'2	C	A	16	2.266	17.635	80.733	1.00	0.00	H
ATOM	504	C1'	G	A	17	0.131	8.948	80.697	1.00	0.00	C
ATOM	505	N1	G	A	17	-2.494	9.072	76.325	1.00	0.00	N
ATOM	506	C2	G	A	17	-2.768	8.407	77.507	1.00	0.00	C
ATOM	507	N2	G	A	17	-3.889	7.674	77.525	1.00	0.00	N
ATOM	508	N3	G	A	17	-1.987	8.466	78.583	1.00	0.00	N

ATOM	509	C4	G A	17	-0.891	9.245	78.385	1.00	0.00	C
ATOM	510	C5	G A	17	-0.533	9.942	77.242	1.00	0.00	C
ATOM	511	C6	G A	17	-1.364	9.883	76.099	1.00	0.00	C
ATOM	512	O6	G A	17	-1.220	10.425	75.003	1.00	0.00	O
ATOM	513	N7	G A	17	0.669	10.621	77.446	1.00	0.00	N
ATOM	514	C8	G A	17	0.993	10.326	78.679	1.00	0.00	C
ATOM	515	N9	G A	17	0.095	9.492	79.315	1.00	0.00	N
ATOM	516	C2'	G A	17	1.528	8.576	81.176	1.00	0.00	C
ATOM	517	C3'	G A	17	1.469	8.944	82.648	1.00	0.00	C
ATOM	518	O3'	G A	17	0.899	7.860	83.379	1.00	0.00	O
ATOM	519	C4'	G A	17	0.571	10.180	82.654	1.00	0.00	C
ATOM	520	O4'	G A	17	-0.377	9.942	81.567	1.00	0.00	O
ATOM	521	C5'	G A	17	1.256	11.506	82.420	1.00	0.00	C
ATOM	522	O5'	G A	17	2.326	11.342	81.458	1.00	0.00	O
ATOM	523	O1P	G A	17	4.398	11.808	82.810	1.00	0.00	O
ATOM	524	O2P	G A	17	4.392	12.231	80.336	1.00	0.00	O
ATOM	525	P	G A	17	3.641	12.232	81.616	1.00	0.00	P
ATOM	526	H1	G A	17	-3.168	8.964	75.553	1.00	0.00	H
ATOM	527	H8	G A	17	1.896	10.702	79.162	1.00	0.00	H
ATOM	528	H1'	G A	17	-0.538	8.089	80.744	1.00	0.00	H
ATOM	529	H21	G A	17	-4.491	7.637	76.690	1.00	0.00	H
ATOM	530	H3'	G A	17	2.456	9.173	83.053	1.00	0.00	H
ATOM	531	H22	G A	17	-4.150	7.154	78.374	1.00	0.00	H
ATOM	532	H4'	G A	17	0.095	10.220	83.633	1.00	0.00	H
ATOM	533	H2'1	G A	17	2.305	9.139	80.657	1.00	0.00	H
ATOM	534	H2'2	G A	17	1.745	7.516	81.038	1.00	0.00	H
ATOM	535	H5'1	G A	17	0.525	12.223	82.041	1.00	0.00	H
ATOM	536	H5'2	G A	17	1.657	11.873	83.363	1.00	0.00	H
ATOM	537	C1'	G A	18	-1.491	4.401	79.590	1.00	0.00	C
ATOM	538	N1	G A	18	-1.473	6.176	74.807	1.00	0.00	N
ATOM	539	C2	G A	18	-2.411	5.397	75.461	1.00	0.00	C
ATOM	540	N2	G A	18	-3.488	5.042	74.746	1.00	0.00	N
ATOM	541	N3	G A	18	-2.287	5.005	76.727	1.00	0.00	N
ATOM	542	C4	G A	18	-1.134	5.448	77.296	1.00	0.00	C
ATOM	543	C5	G A	18	-0.142	6.224	76.720	1.00	0.00	C
ATOM	544	C6	G A	18	-0.276	6.645	75.376	1.00	0.00	C
ATOM	545	O6	G A	18	0.491	7.330	74.698	1.00	0.00	O
ATOM	546	N7	G A	18	0.880	6.461	77.641	1.00	0.00	N
ATOM	547	C8	G A	18	0.482	5.841	78.720	1.00	0.00	C
ATOM	548	N9	G A	18	-0.732	5.201	78.590	1.00	0.00	N
ATOM	549	C2'	G A	18	-0.610	3.545	80.488	1.00	0.00	C
ATOM	550	C3'	G A	18	-1.350	3.609	81.813	1.00	0.00	C
ATOM	551	O3'	G A	18	-2.375	2.618	81.825	1.00	0.00	O
ATOM	552	C4'	G A	18	-1.918	5.027	81.818	1.00	0.00	C
ATOM	553	O4'	G A	18	-2.205	5.304	80.411	1.00	0.00	O
ATOM	554	C5'	G A	18	-1.010	6.111	82.350	1.00	0.00	C
ATOM	555	O5'	G A	18	0.360	5.836	81.966	1.00	0.00	O
ATOM	556	O1P	G A	18	1.502	5.386	84.163	1.00	0.00	O
ATOM	557	O2P	G A	18	2.820	6.279	82.225	1.00	0.00	O
ATOM	558	P	G A	18	1.535	6.244	82.965	1.00	0.00	P
ATOM	559	H1	G A	18	-1.668	6.432	73.827	1.00	0.00	H
ATOM	560	H8	G A	18	1.060	5.828	79.646	1.00	0.00	H
ATOM	561	H1'	G A	18	-2.218	3.788	79.056	1.00	0.00	H
ATOM	562	H21	G A	18	-3.579	5.353	73.767	1.00	0.00	H

ATOM	563	H3'	G	A	18	-0.683	3.449	82.662	1.00	0.00	H
ATOM	564	H22	G	A	18	-4.219	4.461	75.175	1.00	0.00	H
ATOM	565	H4'	G	A	18	-2.812	5.007	82.440	1.00	0.00	H
ATOM	566	H2'1	G	A	18	0.400	3.946	80.577	1.00	0.00	H
ATOM	567	H2'2	G	A	18	-0.524	2.519	80.129	1.00	0.00	H
ATOM	568	H5'1	G	A	18	-1.322	7.072	81.940	1.00	0.00	H
ATOM	569	H5'2	G	A	18	-1.089	6.143	83.437	1.00	0.00	H
ATOM	570	C1'	T	A	19	-3.028	0.850	76.505	1.00	0.00	C
ATOM	571	N1	T	A	19	-1.761	1.577	76.231	1.00	0.00	N
ATOM	572	C2	T	A	19	-1.603	2.119	74.972	1.00	0.00	C
ATOM	573	O2	T	A	19	-2.450	2.018	74.101	1.00	0.00	O
ATOM	574	N3	T	A	19	-0.410	2.787	74.762	1.00	0.00	N
ATOM	575	C4	T	A	19	0.609	2.954	75.673	1.00	0.00	C
ATOM	576	O4	T	A	19	1.635	3.571	75.368	1.00	0.00	O
ATOM	577	C5	T	A	19	0.355	2.354	76.962	1.00	0.00	C
ATOM	578	C6	T	A	19	-0.796	1.695	77.203	1.00	0.00	C
ATOM	579	C7	T	A	19	1.437	2.513	77.987	1.00	0.00	C
ATOM	580	C2'	T	A	19	-2.851	-0.386	77.379	1.00	0.00	C
ATOM	581	C3'	T	A	19	-4.128	-0.377	78.203	1.00	0.00	C
ATOM	582	O3'	T	A	19	-5.169	-1.012	77.464	1.00	0.00	O
ATOM	583	C4'	T	A	19	-4.390	1.113	78.405	1.00	0.00	C
ATOM	584	O4'	T	A	19	-3.901	1.736	77.177	1.00	0.00	O
ATOM	585	C5'	T	A	19	-3.705	1.763	79.585	1.00	0.00	C
ATOM	586	O5'	T	A	19	-2.386	1.187	79.762	1.00	0.00	O
ATOM	587	O1P	T	A	19	-2.563	-0.002	81.973	1.00	0.00	O
ATOM	588	O2P	T	A	19	-0.338	0.843	81.176	1.00	0.00	O
ATOM	589	P	T	A	19	-1.807	1.033	81.240	1.00	0.00	P
ATOM	590	H3	T	A	19	-0.272	3.203	73.830	1.00	0.00	H
ATOM	591	H6	T	A	19	-0.967	1.251	78.183	1.00	0.00	H
ATOM	592	H1'	T	A	19	-3.485	0.588	75.549	1.00	0.00	H
ATOM	593	H3'	T	A	19	-4.000	-0.887	79.158	1.00	0.00	H
ATOM	594	H4'	T	A	19	-5.467	1.230	78.543	1.00	0.00	H
ATOM	595	H71	T	A	19	1.861	1.538	78.222	1.00	0.00	H
ATOM	596	H72	T	A	19	2.219	3.163	77.592	1.00	0.00	H
ATOM	597	H73	T	A	19	1.021	2.954	78.894	1.00	0.00	H
ATOM	598	H2'1	T	A	19	-1.969	-0.320	78.013	1.00	0.00	H
ATOM	599	H2'2	T	A	19	-2.765	-1.300	76.791	1.00	0.00	H
ATOM	600	H5'1	T	A	19	-3.618	2.834	79.403	1.00	0.00	H
ATOM	601	H5'2	T	A	19	-4.301	1.600	80.481	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-5.998	-4.616	77.042	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-5.170	-3.568	77.552	1.00	0.00	O
ATOM	604	S	LNK	A	20	-6.076	-8.595	76.926	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-5.377	-5.980	77.402	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-5.610	-6.971	76.247	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-3.170	-2.446	76.514	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-5.326	-2.603	75.237	1.00	0.00	O
ATOM	609	P	LNK	A	20	-4.646	-2.445	76.547	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-6.074	-4.527	75.958	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-6.992	-4.543	77.484	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-4.695	-7.071	75.663	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-5.842	-6.362	78.311	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-4.306	-5.859	77.567	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-6.410	-6.602	75.607	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-6.082	-9.060	76.422			

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ATOM	618	C1'	A B	2	0.077	5.792	67.294	1.00	0.00	C
ATOM	619	N1	A B	2	0.010	3.982	72.096	1.00	0.00	N
ATOM	620	C2	A B	2	-0.870	3.920	71.101	1.00	0.00	C
ATOM	621	N3	A B	2	-0.788	4.408	69.882	1.00	0.00	N
ATOM	622	C4	A B	2	0.386	5.046	69.714	1.00	0.00	C
ATOM	623	C5	A B	2	1.388	5.199	70.629	1.00	0.00	C
ATOM	624	C6	A B	2	1.172	4.623	71.900	1.00	0.00	C
ATOM	625	N6	A B	2	2.067	4.691	72.899	1.00	0.00	N
ATOM	626	N7	A B	2	2.447	5.912	70.098	1.00	0.00	N
ATOM	627	C8	A B	2	2.065	6.180	68.885	1.00	0.00	C
ATOM	628	N9	A B	2	0.824	5.682	68.580	1.00	0.00	N
ATOM	629	C2'	A B	2	0.254	7.134	66.596	1.00	0.00	C
ATOM	630	C3'	A B	2	0.250	6.731	65.130	1.00	0.00	C
ATOM	631	O3'	A B	2	-1.097	6.632	64.675	1.00	0.00	O
ATOM	632	C4'	A B	2	0.953	5.373	65.150	1.00	0.00	C
ATOM	633	O4'	A B	2	0.560	4.782	66.430	1.00	0.00	O
ATOM	634	C5'	A B	2	2.461	5.397	65.070	1.00	0.00	C
ATOM	635	O5'	A B	2	2.973	6.535	65.809	1.00	0.00	O
ATOM	636	H2	A B	2	-1.792	3.389	71.327	1.00	0.00	H
ATOM	637	H8	A B	2	2.671	6.746	68.177	1.00	0.00	H
ATOM	638	H1'	A B	2	-0.975	5.590	67.495	1.00	0.00	H
ATOM	639	H3'	A B	2	0.790	7.444	64.509	1.00	0.00	H
ATOM	640	H4'	A B	2	0.583	4.814	64.291	1.00	0.00	H
ATOM	641	H61	A B	2	1.861	4.252	73.806	1.00	0.00	H
ATOM	642	H62	A B	2	2.961	5.184	72.755	1.00	0.00	H
ATOM	643	H2'1	A B	2	1.187	7.624	66.870	1.00	0.00	H
ATOM	644	H2'2	A B	2	-0.559	7.825	66.818	1.00	0.00	H
ATOM	645	H5'1	A B	2	2.857	4.476	65.496	1.00	0.00	H
ATOM	646	H5'2	A B	2	2.763	5.469	64.027	1.00	0.00	H
ATOM	647	C1'	C B	3	-4.381	6.543	69.347	1.00	0.00	C
ATOM	648	N1	C B	3	-3.144	6.981	70.049	1.00	0.00	N
ATOM	649	C2	C B	3	-2.971	6.591	71.375	1.00	0.00	C
ATOM	650	O2	C B	3	-3.848	5.899	71.912	1.00	0.00	O
ATOM	651	N3	C B	3	-1.852	6.980	72.031	1.00	0.00	N
ATOM	652	C4	C B	3	-0.923	7.729	71.424	1.00	0.00	C
ATOM	653	N4	C B	3	0.155	8.079	72.113	1.00	0.00	N
ATOM	654	C5	C B	3	-1.074	8.150	70.061	1.00	0.00	C
ATOM	655	C6	C B	3	-2.209	7.742	69.418	1.00	0.00	C
ATOM	656	C2'	C B	3	-4.958	7.590	68.406	1.00	0.00	C
ATOM	657	C3'	C B	3	-5.496	6.734	67.270	1.00	0.00	C
ATOM	658	O3'	C B	3	-6.802	6.275	67.609	1.00	0.00	O
ATOM	659	C4'	C B	3	-4.483	5.595	67.195	1.00	0.00	C
ATOM	660	O4'	C B	3	-4.057	5.398	68.581	1.00	0.00	O
ATOM	661	C5'	C B	3	-3.260	5.838	66.342	1.00	0.00	C
ATOM	662	O5'	C B	3	-2.848	7.222	66.462	1.00	0.00	O
ATOM	663	O1P	C B	3	-3.237	8.148	64.154	1.00	0.00	O
ATOM	664	O2P	C B	3	-1.480	9.161	65.633	1.00	0.00	O
ATOM	665	P	C B	3	-2.207	7.944	65.195	1.00	0.00	P
ATOM	666	H5	C B	3	-0.324	8.765	69.564	1.00	0.00	H
ATOM	667	H6	C B	3	-2.365	8.031	68.379	1.00	0.00	H
ATOM	668	H1'	C B	3	-5.114	6.247	70.100	1.00	0.00	H
ATOM	669	H3'	C B	3	-5.540	7.285	66.330	1.00	0.00	H
ATOM	670	H4'	C B	3	-5.008	4.731	66.783	1.00	0.00	H

ATOM	671	H41	C B	3	0.887	8.652	71.668	1.00	0.00	H
ATOM	672	H42	C B	3	0.261	7.777	73.093	1.00	0.00	H
ATOM	673	H2'1	C B	3	-4.202	8.291	68.052	1.00	0.00	H
ATOM	674	H2'2	C B	3	-5.752	8.174	68.875	1.00	0.00	H
ATOM	675	H5'1	C B	3	-2.455	5.184	66.677	1.00	0.00	H
ATOM	676	H5'2	C B	3	-3.497	5.614	65.304	1.00	0.00	H
ATOM	677	C1'	C B	4	-7.479	7.201	73.154	1.00	0.00	C
ATOM	678	N1	C B	4	-6.251	8.031	73.026	1.00	0.00	N
ATOM	679	C2	C B	4	-5.402	8.120	74.128	1.00	0.00	C
ATOM	680	O2	C B	4	-5.702	7.508	75.162	1.00	0.00	O
ATOM	681	N3	C B	4	-4.280	8.871	74.031	1.00	0.00	N
ATOM	682	C4	C B	4	-3.982	9.523	72.899	1.00	0.00	C
ATOM	683	N4	C B	4	-2.869	10.241	72.857	1.00	0.00	N
ATOM	684	C5	C B	4	-4.837	9.454	71.749	1.00	0.00	C
ATOM	685	C6	C B	4	-5.962	8.687	71.870	1.00	0.00	C
ATOM	686	C2'	C B	4	-8.693	7.787	72.449	1.00	0.00	C
ATOM	687	C3'	C B	4	-9.398	6.538	71.943	1.00	0.00	C
ATOM	688	O3'	C B	4	-10.219	6.010	72.982	1.00	0.00	O
ATOM	689	C4'	C B	4	-8.237	5.609	71.596	1.00	0.00	C
ATOM	690	O4'	C B	4	-7.205	5.937	72.580	1.00	0.00	O
ATOM	691	C5'	C B	4	-7.649	5.756	70.212	1.00	0.00	C
ATOM	692	O5'	C B	4	-7.656	7.153	69.823	1.00	0.00	O
ATOM	693	O1P	C B	4	-9.279	7.215	67.901	1.00	0.00	O
ATOM	694	O2P	C B	4	-7.436	8.912	68.043	1.00	0.00	O
ATOM	695	P	C B	4	-7.889	7.521	68.290	1.00	0.00	P
ATOM	696	H5	C B	4	-4.605	9.988	70.830	1.00	0.00	H
ATOM	697	H6	C B	4	-6.639	8.598	71.021	1.00	0.00	H
ATOM	698	H1'	C B	4	-7.678	7.050	74.216	1.00	0.00	H
ATOM	699	H3'	C B	4	-10.012	6.743	71.066	1.00	0.00	H
ATOM	700	H4'	C B	4	-8.608	4.588	71.693	1.00	0.00	H
ATOM	701	H41	C B	4	-2.615	10.750	71.998	1.00	0.00	H
ATOM	702	H42	C B	4	-2.256	10.291	73.685	1.00	0.00	H
ATOM	703	H2'1	C B	4	-8.416	8.446	71.627	1.00	0.00	H
ATOM	704	H2'2	C B	4	-9.330	8.355	73.125	1.00	0.00	H
ATOM	705	H5'1	C B	4	-6.625	5.379	70.216	1.00	0.00	H
ATOM	706	H5'2	C B	4	-8.243	5.175	69.509	1.00	0.00	H
ATOM	707	C1'	G B	5	-8.611	8.549	77.783	1.00	0.00	C
ATOM	708	N1	G B	5	-4.511	11.548	77.308	1.00	0.00	N
ATOM	709	C2	G B	5	-4.922	10.767	78.375	1.00	0.00	C
ATOM	710	N2	G B	5	-4.136	10.787	79.459	1.00	0.00	N
ATOM	711	N3	G B	5	-6.026	10.022	78.359	1.00	0.00	N
ATOM	712	C4	G B	5	-6.703	10.125	77.185	1.00	0.00	C
ATOM	713	C5	G B	5	-6.373	10.883	76.072	1.00	0.00	C
ATOM	714	C6	G B	5	-5.199	11.670	76.086	1.00	0.00	C
ATOM	715	O6	G B	5	-4.744	12.400	75.206	1.00	0.00	O
ATOM	716	N7	G B	5	-7.334	10.714	75.073	1.00	0.00	N
ATOM	717	C8	G B	5	-8.194	9.879	75.597	1.00	0.00	C
ATOM	718	N9	G B	5	-7.879	9.478	76.881	1.00	0.00	N
ATOM	719	C2'	G B	5	-10.126	8.671	77.691	1.00	0.00	C
ATOM	720	C3'	G B	5	-10.573	7.230	77.883	1.00	0.00	C
ATOM	721	O3'	G B	5	-10.650	6.947	79.278	1.00	0.00	O
ATOM	722	C4'	G B	5	-9.466	6.437	77.192	1.00	0.00	C
ATOM	723	O4'	G B	5	-8.257	7.227	77.424	1.00	0.00	O
ATOM	724	C5'	G B	5	-9.624	6.218	75.707	1.00	0.00	C

ATOM	725	O5'	G B	5	-10.220	7.391	75.098	1.00	0.00	O
ATOM	726	O1P	G B	5	-12.460	6.564	74.306	1.00	0.00	O
ATOM	727	O2P	G B	5	-11.347	8.486	73.138	1.00	0.00	O
ATOM	728	P	G B	5	-11.204	7.198	73.859	1.00	0.00	P
ATOM	729	H1	G B	5	-3.636	12.082	77.420	1.00	0.00	H
ATOM	730	H8	G B	5	-9.081	9.531	75.070	1.00	0.00	H
ATOM	731	H1'	G B	5	-8.266	8.722	78.803	1.00	0.00	H
ATOM	732	H21	G B	5	-3.281	11.362	79.462	1.00	0.00	H
ATOM	733	H3'	G B	5	-11.542	7.037	77.423	1.00	0.00	H
ATOM	734	H22	G B	5	-4.387	10.231	80.287	1.00	0.00	H
ATOM	735	H4'	G B	5	-9.432	5.458	77.672	1.00	0.00	H
ATOM	736	H2'1	G B	5	-10.452	9.062	76.728	1.00	0.00	H
ATOM	737	H2'2	G B	5	-10.536	9.319	78.465	1.00	0.00	H
ATOM	738	H5'1	G B	5	-8.645	6.030	75.267	1.00	0.00	H
ATOM	739	H5'2	G B	5	-10.264	5.351	75.540	1.00	0.00	H
ATOM	740	C1'	T B	6	-7.938	11.098	81.973	1.00	0.00	C
ATOM	741	N1	T B	6	-7.967	11.803	80.664	1.00	0.00	N
ATOM	742	C2	T B	6	-6.921	12.660	80.387	1.00	0.00	C
ATOM	743	O2	T B	6	-5.999	12.850	81.162	1.00	0.00	O
ATOM	744	N3	T B	6	-6.988	13.293	79.160	1.00	0.00	N
ATOM	745	C4	T B	6	-7.982	13.153	78.213	1.00	0.00	C
ATOM	746	O4	T B	6	-7.936	13.778	77.149	1.00	0.00	O
ATOM	747	C5	T B	6	-9.032	12.237	78.594	1.00	0.00	C
ATOM	748	C6	T B	6	-8.999	11.601	79.781	1.00	0.00	C
ATOM	749	C7	T B	6	-10.134	12.051	77.593	1.00	0.00	C
ATOM	750	C2'	T B	6	-9.310	10.948	82.621	1.00	0.00	C
ATOM	751	C3'	T B	6	-9.197	9.587	83.287	1.00	0.00	C
ATOM	752	O3'	T B	6	-8.579	9.738	84.563	1.00	0.00	O
ATOM	753	C4'	T B	6	-8.326	8.799	82.313	1.00	0.00	C
ATOM	754	O4'	T B	6	-7.416	9.802	81.754	1.00	0.00	O
ATOM	755	C5'	T B	6	-9.041	8.110	81.174	1.00	0.00	C
ATOM	756	O5'	T B	6	-10.148	8.932	80.723	1.00	0.00	O
ATOM	757	O1P	T B	6	-12.173	7.563	81.323	1.00	0.00	O
ATOM	758	O2P	T B	6	-12.273	9.179	79.405	1.00	0.00	O
ATOM	759	P	T B	6	-11.472	8.215	80.198	1.00	0.00	P
ATOM	760	H3	T B	6	-6.216	13.936	78.927	1.00	0.00	H
ATOM	761	H6	T B	6	-9.804	10.914	80.045	1.00	0.00	H
ATOM	762	H1'	T B	6	-7.252	11.628	82.633	1.00	0.00	H
ATOM	763	H3'	T B	6	-10.172	9.113	83.415	1.00	0.00	H
ATOM	764	H4'	T B	6	-7.811	8.034	82.894	1.00	0.00	H
ATOM	765	H71	T B	6	-11.066	12.438	78.004	1.00	0.00	H
ATOM	766	H72	T B	6	-9.889	12.589	76.678	1.00	0.00	H
ATOM	767	H73	T B	6	-10.248	10.989	77.371	1.00	0.00	H
ATOM	768	H2'1	T B	6	-10.115	10.967	81.889	1.00	0.00	H
ATOM	769	H2'2	T B	6	-9.510	11.732	83.351	1.00	0.00	H
ATOM	770	H5'1	T B	6	-8.342	7.950	80.354	1.00	0.00	H
ATOM	771	H5'2	T B	6	-9.416	7.147	81.521	1.00	0.00	H
ATOM	772	C1'	C B	7	-6.248	14.960	84.598	1.00	0.00	C
ATOM	773	N1	C B	7	-7.078	15.178	83.380	1.00	0.00	N
ATOM	774	C2	C B	7	-6.593	16.055	82.412	1.00	0.00	C
ATOM	775	O2	C B	7	-5.503	16.612	82.600	1.00	0.00	O
ATOM	776	N3	C B	7	-7.333	16.269	81.296	1.00	0.00	N
ATOM	777	C4	C B	7	-8.508	15.652	81.119	1.00	0.00	C
ATOM	778	N4	C B	7	-9.186	15.894	80.009	1.00	0.00	N

ATOM	779	C5	C B	7	-9.032	14.748	82.102	1.00	0.00	C
ATOM	780	C6	C B	7	-8.268	14.545	83.215	1.00	0.00	C
ATOM	781	C2'	C B	7	-7.062	14.818	85.877	1.00	0.00	C
ATOM	782	C3'	C B	7	-6.255	13.789	86.652	1.00	0.00	C
ATOM	783	O3'	C B	7	-5.207	14.450	87.357	1.00	0.00	O
ATOM	784	C4'	C B	7	-5.723	12.873	85.553	1.00	0.00	C
ATOM	785	O4'	C B	7	-5.515	13.763	84.411	1.00	0.00	O
ATOM	786	C5'	C B	7	-6.630	11.741	85.124	1.00	0.00	C
ATOM	787	O5'	C B	7	-8.009	12.181	85.155	1.00	0.00	O
ATOM	788	O1P	C B	7	-9.027	10.785	86.984	1.00	0.00	O
ATOM	789	O2P	C B	7	-10.463	11.639	85.115	1.00	0.00	O
ATOM	790	P	C B	7	-9.143	11.131	85.555	1.00	0.00	P
ATOM	791	H5	C B	7	-9.992	14.250	81.967	1.00	0.00	H
ATOM	792	H6	C B	7	-8.622	13.861	83.986	1.00	0.00	H
ATOM	793	H1'	C B	7	-5.535	15.780	84.678	1.00	0.00	H
ATOM	794	H3'	C B	7	-6.872	13.235	87.361	1.00	0.00	H
ATOM	795	H4'	C B	7	-4.798	12.433	85.925	1.00	0.00	H
ATOM	796	H41	C B	7	-10.092	15.431	79.847	1.00	0.00	H
ATOM	797	H42	C B	7	-8.808	16.547	79.305	1.00	0.00	H
ATOM	798	H2'1	C B	7	-8.075	14.465	85.685	1.00	0.00	H
ATOM	799	H2'2	C B	7	-7.140	15.757	86.424	1.00	0.00	H
ATOM	800	H5'1	C B	7	-6.363	11.433	84.113	1.00	0.00	H
ATOM	801	H5'2	C B	7	-6.496	10.900	85.802	1.00	0.00	H
ATOM	802	C1'	C B	8	-4.803	19.661	85.176	1.00	0.00	C
ATOM	803	N1	C B	8	-6.107	19.344	84.533	1.00	0.00	N
ATOM	804	C2	C B	8	-6.386	19.928	83.299	1.00	0.00	C
ATOM	805	O2	C B	8	-5.545	20.681	82.792	1.00	0.00	O
ATOM	806	N3	C B	8	-7.568	19.652	82.696	1.00	0.00	N
ATOM	807	C4	C B	8	-8.459	18.834	83.271	1.00	0.00	C
ATOM	808	N4	C B	8	-9.598	18.595	82.635	1.00	0.00	N
ATOM	809	C5	C B	8	-8.204	18.221	84.542	1.00	0.00	C
ATOM	810	C6	C B	8	-7.002	18.511	85.129	1.00	0.00	C
ATOM	811	C2'	C B	8	-4.884	19.811	86.690	1.00	0.00	C
ATOM	812	C3'	C B	8	-3.554	19.226	87.138	1.00	0.00	C
ATOM	813	O3'	C B	8	-2.551	20.236	87.062	1.00	0.00	O
ATOM	814	C4'	C B	8	-3.320	18.102	86.132	1.00	0.00	C
ATOM	815	O4'	C B	8	-3.912	18.600	84.889	1.00	0.00	O
ATOM	816	C5'	C B	8	-3.941	16.765	86.461	1.00	0.00	C
ATOM	817	O5'	C B	8	-5.229	16.967	87.098	1.00	0.00	O
ATOM	818	O1P	C B	8	-4.866	16.090	89.431	1.00	0.00	O
ATOM	819	O2P	C B	8	-7.163	16.059	88.419	1.00	0.00	O
ATOM	820	P	C B	8	-5.698	15.936	88.220	1.00	0.00	P
ATOM	821	H5	C B	8	-8.927	17.560	85.018	1.00	0.00	H
ATOM	822	H6	C B	8	-6.758	18.062	86.092	1.00	0.00	H
ATOM	823	H1'	C B	8	-4.407	20.566	84.715	1.00	0.00	H
ATOM	824	H3'	C B	8	-3.601	18.839	88.156	1.00	0.00	H
ATOM	825	H4'	C B	8	-2.242	17.958	86.063	1.00	0.00	H
ATOM	826	H41	C B	8	-10.299	17.968	83.055	1.00	0.00	H
ATOM	827	H42	C B	8	-9.781	19.039	81.724	1.00	0.00	H
ATOM	828	H2'1	C B	8	-5.724	19.259	87.114	1.00	0.00	H
ATOM	829	H2'2	C B	8	-4.986	20.851	86.996	1.00	0.00	H
ATOM	830	H5'1	C B	8	-4.073	16.193	85.541	1.00	0.00	H
ATOM	831	H5'2	C B	8	-3.280	16.218	87.131	1.00	0.00	H
ATOM	832	C1'	T B	9	-4.696	24.466	83.993	1.00	0.00	C

ATOM	833	N1	T B	9	-5.997	23.766	84.160	1.00	0.00	N
ATOM	834	C2	T B	9	-6.917	23.893	83.141	1.00	0.00	C
ATOM	835	O2	T B	9	-6.700	24.547	82.135	1.00	0.00	O
ATOM	836	N3	T B	9	-8.112	23.226	83.337	1.00	0.00	N
ATOM	837	C4	T B	9	-8.457	22.466	84.434	1.00	0.00	C
ATOM	838	O4	T B	9	-9.563	21.917	84.499	1.00	0.00	O
ATOM	839	C5	T B	9	-7.431	22.391	85.448	1.00	0.00	C
ATOM	840	C6	T B	9	-6.255	23.028	85.288	1.00	0.00	C
ATOM	841	C7	T B	9	-7.766	21.572	86.658	1.00	0.00	C
ATOM	842	C2'	T B	9	-4.149	25.064	85.284	1.00	0.00	C
ATOM	843	C3'	T B	9	-2.650	24.864	85.117	1.00	0.00	C
ATOM	844	O3'	T B	9	-2.116	25.944	84.355	1.00	0.00	O
ATOM	845	C4'	T B	9	-2.567	23.533	84.373	1.00	0.00	C
ATOM	846	O4'	T B	9	-3.755	23.522	83.518	1.00	0.00	O
ATOM	847	C5'	T B	9	-2.571	22.285	85.224	1.00	0.00	C
ATOM	848	O5'	T B	9	-3.449	22.473	86.363	1.00	0.00	O
ATOM	849	O1P	T B	9	-1.875	22.434	88.325	1.00	0.00	O
ATOM	850	O2P	T B	9	-4.266	21.731	88.620	1.00	0.00	O
ATOM	851	P	T B	9	-3.069	21.783	87.747	1.00	0.00	P
ATOM	852	H3	T B	9	-8.815	23.303	82.588	1.00	0.00	H
ATOM	853	H6	T B	9	-5.497	22.956	86.068	1.00	0.00	H
ATOM	854	H1'	T B	9	-4.816	25.233	83.228	1.00	0.00	H
ATOM	855	H3'	T B	9	-2.138	24.811	86.077	1.00	0.00	H
ATOM	856	H4'	T B	9	-1.634	23.546	83.805	1.00	0.00	H
ATOM	857	H71	T B	9	-7.820	22.220	87.533	1.00	0.00	H
ATOM	858	H72	T B	9	-8.726	21.078	86.512	1.00	0.00	H
ATOM	859	H73	T B	9	-6.991	20.820	86.814	1.00	0.00	H
ATOM	860	H2'1	T B	9	-4.522	24.550	86.168	1.00	0.00	H
ATOM	861	H2'2	T B	9	-4.400	26.119	85.389	1.00	0.00	H
ATOM	862	H5'1	T B	9	-2.918	21.444	84.626	1.00	0.00	H
ATOM	863	H5'2	T B	9	-1.558	22.086	85.570	1.00	0.00	H
ATOM	864	C1'	A B	10	-6.565	28.590	81.961	1.00	0.00	C
ATOM	865	N1	A B	10	-11.070	26.258	82.739	1.00	0.00	N
ATOM	866	C2	A B	10	-10.585	26.961	81.717	1.00	0.00	C
ATOM	867	N3	A B	10	-9.409	27.532	81.581	1.00	0.00	N
ATOM	868	C4	A B	10	-8.661	27.332	82.680	1.00	0.00	C
ATOM	869	C5	A B	10	-9.010	26.640	83.808	1.00	0.00	C
ATOM	870	C6	A B	10	-10.301	26.073	83.821	1.00	0.00	C
ATOM	871	N6	A B	10	-10.779	25.366	84.860	1.00	0.00	N
ATOM	872	N7	A B	10	-7.981	26.641	84.733	1.00	0.00	N
ATOM	873	C8	A B	10	-7.044	27.331	84.154	1.00	0.00	C
ATOM	874	N9	A B	10	-7.383	27.781	82.905	1.00	0.00	N
ATOM	875	C2'	A B	10	-5.707	29.646	82.643	1.00	0.00	C
ATOM	876	C3'	A B	10	-4.455	29.647	81.781	1.00	0.00	C
ATOM	877	O3'	A B	10	-4.664	30.495	80.654	1.00	0.00	O
ATOM	878	C4'	A B	10	-4.321	28.178	81.378	1.00	0.00	C
ATOM	879	O4'	A B	10	-5.702	27.704	81.272	1.00	0.00	O
ATOM	880	C5'	A B	10	-3.575	27.284	82.341	1.00	0.00	C
ATOM	881	O5'	A B	10	-3.867	27.681	83.705	1.00	0.00	O
ATOM	882	O1P	A B	10	-1.652	28.523	84.553	1.00	0.00	O
ATOM	883	O2P	A B	10	-3.334	27.580	86.159	1.00	0.00	O
ATOM	884	P	A B	10	-2.723	27.540	84.808	1.00	0.00	P
ATOM	885	H2	A B	10	-11.262	27.078	80.872	1.00	0.00	H
ATOM	886	H8	A B	10	-6.078	27.535	84.619	1.00	0.00	H

ATOM	887	H1'	A B	10	-7.235	29.043	81.230	1.00	0.00	H
ATOM	888	H3'	A B	10	-3.579	29.984	82.333	1.00	0.00	H
ATOM	889	H4'	A B	10	-3.790	28.158	80.426	1.00	0.00	H
ATOM	890	H61	A B	10	-11.729	24.971	84.817	1.00	0.00	H
ATOM	891	H62	A B	10	-10.196	25.219	85.696	1.00	0.00	H
ATOM	892	H2'1	A B	10	-5.476	29.388	83.678	1.00	0.00	H
ATOM	893	H2'2	A B	10	-6.185	30.627	82.650	1.00	0.00	H
ATOM	894	H5'1	A B	10	-3.886	26.251	82.185	1.00	0.00	H
ATOM	895	H5'2	A B	10	-2.506	27.369	82.154	1.00	0.00	H
ATOM	896	C1'	G B	11	-10.283	31.478	80.389	1.00	0.00	C
ATOM	897	N1	G B	11	-13.029	28.856	83.796	1.00	0.00	N
ATOM	898	C2	G B	11	-13.350	29.247	82.507	1.00	0.00	C
ATOM	899	N2	G B	11	-14.567	28.893	82.070	1.00	0.00	N
ATOM	900	N3	G B	11	-12.524	29.934	81.719	1.00	0.00	N
ATOM	901	C4	G B	11	-11.342	30.212	82.327	1.00	0.00	C
ATOM	902	C5	G B	11	-10.937	29.867	83.605	1.00	0.00	C
ATOM	903	C6	G B	11	-11.810	29.134	84.441	1.00	0.00	C
ATOM	904	O6	G B	11	-11.633	28.739	85.595	1.00	0.00	O
ATOM	905	N7	G B	11	-9.647	30.344	83.849	1.00	0.00	N
ATOM	906	C8	G B	11	-9.318	30.946	82.734	1.00	0.00	C
ATOM	907	N9	G B	11	-10.296	30.909	81.762	1.00	0.00	N
ATOM	908	C2'	G B	11	-9.580	32.826	80.289	1.00	0.00	C
ATOM	909	C3'	G B	11	-8.918	32.739	78.923	1.00	0.00	C
ATOM	910	O3'	G B	11	-9.860	33.123	77.925	1.00	0.00	O
ATOM	911	C4'	G B	11	-8.539	31.263	78.823	1.00	0.00	C
ATOM	912	O4'	G B	11	-9.601	30.567	79.550	1.00	0.00	O
ATOM	913	C5'	G B	11	-7.207	30.871	79.417	1.00	0.00	C
ATOM	914	O5'	G B	11	-6.959	31.646	80.617	1.00	0.00	O
ATOM	915	O1P	G B	11	-4.975	33.062	79.994	1.00	0.00	O
ATOM	916	O2P	G B	11	-5.374	32.448	82.393	1.00	0.00	O
ATOM	917	P	G B	11	-5.458	32.063	80.963	1.00	0.00	P
ATOM	918	H1	G B	11	-13.738	28.321	84.320	1.00	0.00	H
ATOM	919	H8	G B	11	-8.356	31.435	82.586	1.00	0.00	H
ATOM	920	H1'	G B	11	-11.314	31.550	80.037	1.00	0.00	H
ATOM	921	H21	G B	11	-15.197	28.359	82.684	1.00	0.00	H
ATOM	922	H3'	G B	11	-8.038	33.377	78.854	1.00	0.00	H
ATOM	923	H22	G B	11	-14.867	29.157	81.122	1.00	0.00	H
ATOM	924	H4'	G B	11	-8.516	31.014	77.761	1.00	0.00	H
ATOM	925	H2'1	G B	11	-8.841	32.964	81.079	1.00	0.00	H
ATOM	926	H2'2	G B	11	-10.277	33.662	80.342	1.00	0.00	H
ATOM	927	H5'1	G B	11	-7.224	29.808	79.660	1.00	0.00	H
ATOM	928	H5'2	G B	11	-6.420	31.059	78.686	1.00	0.00	H
ATOM	929	C1'	G B	12	-14.965	33.097	80.365	1.00	0.00	C
ATOM	930	N1	G B	12	-15.008	31.306	85.142	1.00	0.00	N
ATOM	931	C2	G B	12	-15.965	31.207	84.148	1.00	0.00	C
ATOM	932	N2	G B	12	-17.083	30.544	84.469	1.00	0.00	N
ATOM	933	N3	G B	12	-15.817	31.725	82.930	1.00	0.00	N
ATOM	934	C4	G B	12	-14.629	32.368	82.783	1.00	0.00	C
ATOM	935	C5	G B	12	-13.618	32.521	83.716	1.00	0.00	C
ATOM	936	C6	G B	12	-13.772	31.966	85.007	1.00	0.00	C
ATOM	937	O6	G B	12	-12.995	31.997	85.963	1.00	0.00	O
ATOM	938	N7	G B	12	-12.559	33.248	83.167	1.00	0.00	N
ATOM	939	C8	G B	12	-12.951	33.504	81.948	1.00	0.00	C
ATOM	940	N9	G B	12	-14.199	33.003	81.638	1.00	0.00	N

ATOM	941	C2'	G B	12	-14.810	34.434	79.653	1.00	0.00	C
ATOM	942	C3'	G B	12	-14.829	34.019	78.190	1.00	0.00	C
ATOM	943	O3'	G B	12	-16.181	33.907	77.753	1.00	0.00	O
ATOM	944	C4'	G B	12	-14.116	32.667	78.210	1.00	0.00	C
ATOM	945	O4'	G B	12	-14.487	32.084	79.499	1.00	0.00	O
ATOM	946	C5'	G B	12	-12.610	32.703	78.112	1.00	0.00	C
ATOM	947	O5'	G B	12	-12.097	33.850	78.835	1.00	0.00	O
ATOM	948	O1P	G B	12	-11.111	35.288	77.018	1.00	0.00	O
ATOM	949	O2P	G B	12	-10.206	35.422	79.355	1.00	0.00	O
ATOM	950	P	G B	12	-10.796	34.589	78.278	1.00	0.00	P
ATOM	951	H1	G B	12	-15.217	30.862	86.050	1.00	0.00	H
ATOM	952	H8	G B	12	-12.346	34.065	81.234	1.00	0.00	H
ATOM	953	H1'	G B	12	-16.011	32.886	80.580	1.00	0.00	H
ATOM	954	H21	G B	12	-17.189	30.142	85.412	1.00	0.00	H
ATOM	955	H3'	G B	12	-14.303	34.731	77.556	1.00	0.00	H
ATOM	956	H22	G B	12	-17.836	30.439	83.774	1.00	0.00	H
ATOM	957	H4'	G B	12	-14.491	32.098	77.362	1.00	0.00	H
ATOM	958	H2'1	G B	12	-13.876	34.933	79.911	1.00	0.00	H
ATOM	959	H2'2	G B	12	-15.623	35.121	79.882	1.00	0.00	H
ATOM	960	H5'1	G B	12	-12.201	31.788	78.538	1.00	0.00	H
ATOM	961	H5'2	G B	12	-12.322	32.769	77.062	1.00	0.00	H
ATOM	962	C1'	T B	13	-19.423	33.862	82.373	1.00	0.00	C
ATOM	963	N1	T B	13	-18.194	34.291	83.093	1.00	0.00	N
ATOM	964	C2	T B	13	-18.059	33.886	84.406	1.00	0.00	C
ATOM	965	O2	T B	13	-18.896	33.206	84.975	1.00	0.00	O
ATOM	966	N3	T B	13	-16.902	34.306	85.036	1.00	0.00	N
ATOM	967	C4	T B	13	-15.900	35.076	84.487	1.00	0.00	C
ATOM	968	O4	T B	13	-14.907	35.393	85.152	1.00	0.00	O
ATOM	969	C5	T B	13	-16.129	35.450	83.110	1.00	0.00	C
ATOM	970	C6	T B	13	-17.244	35.057	82.463	1.00	0.00	C
ATOM	971	C7	T B	13	-15.062	36.287	82.470	1.00	0.00	C
ATOM	972	C2'	T B	13	-19.983	34.919	81.428	1.00	0.00	C
ATOM	973	C3'	T B	13	-20.509	34.073	80.281	1.00	0.00	C
ATOM	974	O3'	T B	13	-21.823	33.619	80.599	1.00	0.00	O
ATOM	975	C4'	T B	13	-19.503	32.928	80.213	1.00	0.00	C
ATOM	976	O4'	T B	13	-19.097	32.722	81.604	1.00	0.00	O
ATOM	977	C5'	T B	13	-18.266	33.167	79.380	1.00	0.00	C
ATOM	978	O5'	T B	13	-17.847	34.549	79.511	1.00	0.00	O
ATOM	979	O1P	T B	13	-18.200	35.488	77.205	1.00	0.00	O
ATOM	980	O2P	T B	13	-16.457	36.483	78.712	1.00	0.00	O
ATOM	981	P	T B	13	-17.186	35.275	78.257	1.00	0.00	P
ATOM	982	H3	T B	13	-16.776	34.013	86.016	1.00	0.00	H
ATOM	983	H6	T B	13	-17.396	35.353	81.425	1.00	0.00	H
ATOM	984	H1'	T B	13	-20.167	33.567	83.112	1.00	0.00	H
ATOM	985	H3'	T B	13	-20.538	34.628	79.344	1.00	0.00	H
ATOM	986	H4'	T B	13	-20.027	32.069	79.790	1.00	0.00	H
ATOM	987	H71	T B	13	-15.462	37.273	82.238	1.00	0.00	H
ATOM	988	H72	T B	13	-14.218	36.388	83.155	1.00	0.00	H
ATOM	989	H73	T B	13	-14.725	35.806	81.550	1.00	0.00	H
ATOM	990	H2'1	T B	13	-19.217	35.616	81.089	1.00	0.00	H
ATOM	991	H2'2	T B	13	-20.779	35.506	81.888	1.00	0.00	H
ATOM	992	H5'1	T B	13	-17.470	32.506	79.720	1.00	0.00	H
ATOM	993	H5'2	T B	13	-18.490	32.951	78.336	1.00	0.00	H
ATOM	994	C1'	G B	14	-22.514	34.517	86.203	1.00	0.00	C

ATOM	995	N1	G B	14	-18.327	36.201	88.582	1.00	0.00	N
ATOM	996	C2	G B	14	-19.339	35.377	89.042	1.00	0.00	C
ATOM	997	N2	G B	14	-19.220	34.946	90.303	1.00	0.00	N
ATOM	998	N3	G B	14	-20.383	35.012	88.302	1.00	0.00	N
ATOM	999	C4	G B	14	-20.344	35.546	87.051	1.00	0.00	C
ATOM	1000	C5	G B	14	-19.382	36.379	86.509	1.00	0.00	C
ATOM	1001	C6	G B	14	-18.268	36.765	87.293	1.00	0.00	C
ATOM	1002	O6	G B	14	-17.320	37.490	86.990	1.00	0.00	O
ATOM	1003	N7	G B	14	-19.714	36.708	85.192	1.00	0.00	N
ATOM	1004	C8	G B	14	-20.840	36.076	84.984	1.00	0.00	C
ATOM	1005	N9	G B	14	-21.288	35.349	86.069	1.00	0.00	N
ATOM	1006	C2'	G B	14	-23.731	35.097	85.495	1.00	0.00	C
ATOM	1007	C3'	G B	14	-24.435	33.844	84.996	1.00	0.00	C
ATOM	1008	O3'	G B	14	-25.252	33.321	86.039	1.00	0.00	O
ATOM	1009	C4'	G B	14	-23.271	32.916	84.651	1.00	0.00	C
ATOM	1010	O4'	G B	14	-22.240	33.251	85.634	1.00	0.00	O
ATOM	1011	C5'	G B	14	-22.686	33.058	83.267	1.00	0.00	C
ATOM	1012	O5'	G B	14	-22.694	34.453	82.871	1.00	0.00	O
ATOM	1013	O1P	G B	14	-24.320	34.504	80.951	1.00	0.00	O
ATOM	1014	O2P	G B	14	-22.481	36.204	81.083	1.00	0.00	O
ATOM	1015	P	G B	14	-22.931	34.813	81.335	1.00	0.00	P
ATOM	1016	H1	G B	14	-17.557	36.418	89.233	1.00	0.00	H
ATOM	1017	H8	G B	14	-21.377	36.120	84.036	1.00	0.00	H
ATOM	1018	H1'	G B	14	-22.713	34.370	87.265	1.00	0.00	H
ATOM	1019	H21	G B	14	-18.406	35.230	90.868	1.00	0.00	H
ATOM	1020	H3'	G B	14	-25.050	34.044	84.120	1.00	0.00	H
ATOM	1021	H22	G B	14	-19.942	34.332	90.708	1.00	0.00	H
ATOM	1022	H4'	G B	14	-23.641	31.896	84.754	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-23.456	35.753	84.671	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-24.368	35.668	86.169	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-21.663	32.682	83.271	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-23.281	32.473	82.566	1.00	0.00	H
ATOM	1027	C1'	C B	15	-23.647	35.864	90.833	1.00	0.00	C
ATOM	1028	N1	C B	15	-22.911	36.792	89.933	1.00	0.00	N
ATOM	1029	C2	C B	15	-21.731	37.363	90.407	1.00	0.00	C
ATOM	1030	O2	C B	15	-21.347	37.075	91.549	1.00	0.00	O
ATOM	1031	N3	C B	15	-21.045	38.211	89.603	1.00	0.00	N
ATOM	1032	C4	C B	15	-21.486	38.502	88.374	1.00	0.00	C
ATOM	1033	N4	C B	15	-20.774	39.334	87.629	1.00	0.00	N
ATOM	1034	C5	C B	15	-22.700	37.934	87.859	1.00	0.00	C
ATOM	1035	C6	C B	15	-23.371	37.079	88.686	1.00	0.00	C
ATOM	1036	C2'	C B	15	-25.161	35.991	90.739	1.00	0.00	C
ATOM	1037	C3'	C B	15	-25.613	34.551	90.926	1.00	0.00	C
ATOM	1038	O3'	C B	15	-25.694	34.261	92.320	1.00	0.00	O
ATOM	1039	C4'	C B	15	-24.509	33.755	90.234	1.00	0.00	C
ATOM	1040	O4'	C B	15	-23.297	34.541	90.467	1.00	0.00	O
ATOM	1041	C5'	C B	15	-24.666	33.542	88.746	1.00	0.00	C
ATOM	1042	O5'	C B	15	-25.257	34.719	88.143	1.00	0.00	O
ATOM	1043	O1P	C B	15	-27.500	33.904	87.344	1.00	0.00	O
ATOM	1044	O2P	C B	15	-26.380	35.826	86.184	1.00	0.00	O
ATOM	1045	P	C B	15	-26.241	34.535	86.901	1.00	0.00	P
ATOM	1046	H5	C B	15	-23.065	38.173	86.861	1.00	0.00	H
ATOM	1047	H6	C B	15	-24.294	36.616	88.337	1.00	0.00	H
ATOM	1048	H1'	C B	15	-23.302	36.032	91.854	1.00	0.00	H

ATOM	1049	H3'	C B	15	-26.582	34.364	90.462	1.00	0.00	H
ATOM	1050	H4'	C B	15	-24.480	32.775	90.709	1.00	0.00	H
ATOM	1051	H41	C B	15	-21.090	39.574	86.677	1.00	0.00	H
ATOM	1052	H42	C B	15	-19.905	39.743	88.001	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-25.485	36.387	89.778	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-25.571	36.640	91.515	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-23.687	33.354	88.306	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-25.310	32.679	88.574	1.00	0.00	H
ATOM	1057	C1'	G B	16	-22.958	38.428	95.012	1.00	0.00	C
ATOM	1058	N1	G B	16	-20.583	41.725	91.927	1.00	0.00	N
ATOM	1059	C2	G B	16	-20.229	41.272	93.186	1.00	0.00	C
ATOM	1060	N2	G B	16	-19.089	41.765	93.689	1.00	0.00	N
ATOM	1061	N3	G B	16	-20.951	40.398	93.884	1.00	0.00	N
ATOM	1062	C4	G B	16	-22.074	40.011	93.224	1.00	0.00	C
ATOM	1063	C5	G B	16	-22.510	40.411	91.973	1.00	0.00	C
ATOM	1064	C6	G B	16	-21.741	41.338	91.229	1.00	0.00	C
ATOM	1065	O6	G B	16	-21.962	41.808	90.111	1.00	0.00	O
ATOM	1066	N7	G B	16	-23.716	39.782	91.656	1.00	0.00	N
ATOM	1067	C8	G B	16	-23.965	39.033	92.701	1.00	0.00	C
ATOM	1068	N9	G B	16	-23.013	39.121	93.696	1.00	0.00	N
ATOM	1069	C2'	G B	16	-24.319	38.273	95.679	1.00	0.00	C
ATOM	1070	C3'	G B	16	-24.187	36.919	96.358	1.00	0.00	C
ATOM	1071	O3'	G B	16	-23.551	37.089	97.622	1.00	0.00	O
ATOM	1072	C4'	G B	16	-23.320	36.130	95.377	1.00	0.00	C
ATOM	1073	O4'	G B	16	-22.428	37.135	94.797	1.00	0.00	O
ATOM	1074	C5'	G B	16	-24.046	35.424	94.257	1.00	0.00	C
ATOM	1075	O5'	G B	16	-25.166	36.231	93.813	1.00	0.00	O
ATOM	1076	O1P	G B	16	-27.169	34.849	94.454	1.00	0.00	O
ATOM	1077	O2P	G B	16	-27.311	36.445	92.524	1.00	0.00	O
ATOM	1078	P	G B	16	-26.492	35.496	93.316	1.00	0.00	P
ATOM	1079	H1	G B	16	-19.952	42.398	91.469	1.00	0.00	H
ATOM	1080	H8	G B	16	-24.847	38.399	92.778	1.00	0.00	H
ATOM	1081	H1'	G B	16	-22.266	38.972	95.656	1.00	0.00	H
ATOM	1082	H21	G B	16	-18.535	42.439	93.143	1.00	0.00	H
ATOM	1083	H3'	G B	16	-25.154	36.438	96.502	1.00	0.00	H
ATOM	1084	H22	G B	16	-18.772	41.469	94.622	1.00	0.00	H
ATOM	1085	H4'	G B	16	-22.790	35.376	95.960	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-25.135	38.277	94.959	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-24.516	39.063	96.404	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-23.357	35.263	93.429	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-24.406	34.460	94.618	1.00	0.00	H
ATOM	1090	C1'	G B	17	-21.285	42.274	97.645	1.00	0.00	C
ATOM	1091	N1	G B	17	-21.613	44.738	93.191	1.00	0.00	N
ATOM	1092	C2	G B	17	-20.622	44.776	94.155	1.00	0.00	C
ATOM	1093	N2	G B	17	-19.581	45.577	93.899	1.00	0.00	N
ATOM	1094	N3	G B	17	-20.666	44.069	95.283	1.00	0.00	N
ATOM	1095	C4	G B	17	-21.796	43.320	95.378	1.00	0.00	C
ATOM	1096	C5	G B	17	-22.836	43.221	94.472	1.00	0.00	C
ATOM	1097	C6	G B	17	-22.789	43.967	93.271	1.00	0.00	C
ATOM	1098	O6	G B	17	-23.607	44.014	92.353	1.00	0.00	O
ATOM	1099	N7	G B	17	-23.809	42.341	94.946	1.00	0.00	N
ATOM	1100	C8	G B	17	-23.338	41.938	96.097	1.00	0.00	C
ATOM	1101	N9	G B	17	-22.118	42.491	96.431	1.00	0.00	N
ATOM	1102	C2'	G B	17	-22.096	42.129	98.925	1.00	0.00	C

ATOM	1103	C3'	G B	17	-21.283	41.103	99.701	1.00	0.00	C
ATOM	1104	O3'	G B	17	-20.236	41.768	100.403	1.00	0.00	O
ATOM	1105	C4'	G B	17	-20.750	40.189	98.599	1.00	0.00	C
ATOM	1106	O4'	G B	17	-20.549	41.082	97.457	1.00	0.00	O
ATOM	1107	C5'	G B	17	-21.651	39.055	98.173	1.00	0.00	C
ATOM	1108	O5'	G B	17	-23.035	39.489	98.205	1.00	0.00	O
ATOM	1109	O1P	G B	17	-24.040	38.087	100.039	1.00	0.00	O
ATOM	1110	O2P	G B	17	-25.485	38.934	98.171	1.00	0.00	O
ATOM	1111	P	G B	17	-24.161	38.434	98.610	1.00	0.00	P
ATOM	1112	H1	G B	17	-21.480	45.320	92.348	1.00	0.00	H
ATOM	1113	H8	G B	17	-23.862	41.232	96.739	1.00	0.00	H
ATOM	1114	H1'	G B	17	-20.576	43.098	97.724	1.00	0.00	H
ATOM	1115	H21	G B	17	-19.551	46.119	93.023	1.00	0.00	H
ATOM	1116	H3'	G B	17	-21.897	40.546	100.410	1.00	0.00	H
ATOM	1117	H22	G B	17	-18.810	45.652	94.578	1.00	0.00	H
ATOM	1118	H4'	G B	17	-19.822	39.755	98.968	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-23.108	41.771	98.737	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-22.176	43.067	99.474	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-21.386	38.747	97.161	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-21.513	38.213	98.851	1.00	0.00	H
ATOM	1123	C1'	C B	18	-19.839	46.975	98.224	1.00	0.00	C
ATOM	1124	N1	C B	18	-21.145	46.658	97.581	1.00	0.00	N
ATOM	1125	C2	C B	18	-21.422	47.242	96.346	1.00	0.00	C
ATOM	1126	O2	C B	18	-20.581	47.995	95.839	1.00	0.00	O
ATOM	1127	N3	C B	18	-22.604	46.966	95.745	1.00	0.00	N
ATOM	1128	C4	C B	18	-23.494	46.147	96.320	1.00	0.00	C
ATOM	1129	N4	C B	18	-24.633	45.911	95.687	1.00	0.00	N
ATOM	1130	C5	C B	18	-23.236	45.536	97.589	1.00	0.00	C
ATOM	1131	C6	C B	18	-22.039	45.825	98.175	1.00	0.00	C
ATOM	1132	C2'	C B	18	-19.921	47.125	99.737	1.00	0.00	C
ATOM	1133	C3'	C B	18	-18.590	46.541	100.186	1.00	0.00	C
ATOM	1134	O3'	C B	18	-17.587	47.551	100.109	1.00	0.00	O
ATOM	1135	C4'	C B	18	-18.357	45.417	99.179	1.00	0.00	C
ATOM	1136	O4'	C B	18	-18.949	45.915	97.937	1.00	0.00	O
ATOM	1137	C5'	C B	18	-18.978	44.080	99.509	1.00	0.00	C
ATOM	1138	O5'	C B	18	-20.265	44.282	100.147	1.00	0.00	O
ATOM	1139	O1P	C B	18	-19.903	43.405	102.479	1.00	0.00	O
ATOM	1140	O2P	C B	18	-22.201	43.373	101.469	1.00	0.00	O
ATOM	1141	P	C B	18	-20.735	43.251	101.267	1.00	0.00	P
ATOM	1142	H5	C B	18	-23.959	44.872	98.063	1.00	0.00	H
ATOM	1143	H6	C B	18	-21.796	45.382	99.140	1.00	0.00	H
ATOM	1144	H1'	C B	18	-19.444	47.880	97.763	1.00	0.00	H
ATOM	1145	H3'	C B	18	-18.638	46.154	101.204	1.00	0.00	H
ATOM	1146	H4'	C B	18	-17.279	45.274	99.109	1.00	0.00	H
ATOM	1147	H41	C B	18	-25.335	45.283	96.107	1.00	0.00	H
ATOM	1148	H42	C B	18	-24.816	46.352	94.774	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-20.759	46.575	100.163	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-20.023	48.166	100.044	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-19.108	43.509	98.589	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-18.317	43.533	100.179	1.00	0.00	H
ATOM	1153	C1'	C B	19	-19.749	51.780	97.026	1.00	0.00	C
ATOM	1154	N1	C B	19	-21.044	51.071	97.214	1.00	0.00	N
ATOM	1155	C2	C B	19	-21.999	51.176	96.203	1.00	0.00	C
ATOM	1156	O2	C B	19	-21.733	51.848	95.198	1.00	0.00	O

ATOM	1157	N3	C B	19	-23.183	50.537	96.355	1.00	0.00	N
ATOM	1158	C4	C B	19	-23.441	49.817	97.454	1.00	0.00	C
ATOM	1159	N4	C B	19	-24.614	49.213	97.550	1.00	0.00	N
ATOM	1160	C5	C B	19	-22.480	49.695	98.507	1.00	0.00	C
ATOM	1161	C6	C B	19	-21.294	50.344	98.333	1.00	0.00	C
ATOM	1162	C2'	C B	19	-19.195	52.392	98.305	1.00	0.00	C
ATOM	1163	C3'	C B	19	-17.696	52.201	98.122	1.00	0.00	C
ATOM	1164	O3'	C B	19	-17.178	53.279	97.345	1.00	0.00	O
ATOM	1165	C4'	C B	19	-17.611	50.866	97.387	1.00	0.00	C
ATOM	1166	O4'	C B	19	-18.809	50.838	96.547	1.00	0.00	O
ATOM	1167	C5'	C B	19	-17.598	49.625	98.249	1.00	0.00	C
ATOM	1168	O5'	C B	19	-18.464	49.814	99.397	1.00	0.00	O
ATOM	1169	O1P	C B	19	-16.866	49.802	101.341	1.00	0.00	O
ATOM	1170	O2P	C B	19	-19.249	49.085	101.669	1.00	0.00	O
ATOM	1171	P	C B	19	-18.061	49.138	100.783	1.00	0.00	P
ATOM	1172	H5	C B	19	-22.685	49.111	99.405	1.00	0.00	H
ATOM	1173	H6	C B	19	-20.530	50.278	99.108	1.00	0.00	H
ATOM	1174	H1'	C B	19	-19.886	52.539	96.256	1.00	0.00	H
ATOM	1175	H3'	C B	19	-17.172	52.159	99.078	1.00	0.00	H
ATOM	1176	H4'	C B	19	-16.686	50.880	96.810	1.00	0.00	H
ATOM	1177	H41	C B	19	-24.840	48.651	98.384	1.00	0.00	H
ATOM	1178	H42	C B	19	-25.306	49.305	96.790	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-19.554	51.881	99.197	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-19.452	53.447	98.403	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-17.944	48.776	97.660	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-16.579	49.434	98.585	1.00	0.00	H
ATOM	1183	C1'	T B	20	-21.602	55.904	95.010	1.00	0.00	C
ATOM	1184	N1	T B	20	-22.423	55.099	95.952	1.00	0.00	N
ATOM	1185	C2	T B	20	-23.691	54.744	95.540	1.00	0.00	C
ATOM	1186	O2	T B	20	-24.144	55.065	94.455	1.00	0.00	O
ATOM	1187	N3	T B	20	-24.417	53.996	96.447	1.00	0.00	N
ATOM	1188	C4	T B	20	-24.001	53.584	97.693	1.00	0.00	C
ATOM	1189	O4	T B	20	-24.746	52.915	98.420	1.00	0.00	O
ATOM	1190	C5	T B	20	-22.663	54.000	98.036	1.00	0.00	C
ATOM	1191	C6	T B	20	-21.924	54.730	97.178	1.00	0.00	C
ATOM	1192	C7	T B	20	-22.167	53.572	99.385	1.00	0.00	C
ATOM	1193	C2'	T B	20	-20.745	56.963	95.693	1.00	0.00	C
ATOM	1194	C3'	T B	20	-19.492	56.960	94.833	1.00	0.00	C
ATOM	1195	O3'	T B	20	-19.694	57.808	93.705	1.00	0.00	O
ATOM	1196	C4'	T B	20	-19.355	55.493	94.434	1.00	0.00	C
ATOM	1197	O4'	T B	20	-20.736	55.019	94.326	1.00	0.00	O
ATOM	1198	C5'	T B	20	-18.613	54.599	95.402	1.00	0.00	C
ATOM	1199	O5'	T B	20	-18.910	55.001	96.764	1.00	0.00	O
ATOM	1200	O1P	T B	20	-16.697	55.844	97.617	1.00	0.00	O
ATOM	1201	O2P	T B	20	-18.384	54.904	99.219	1.00	0.00	O
ATOM	1202	P	T B	20	-17.770	54.861	97.870	1.00	0.00	P
ATOM	1203	H3	T B	20	-25.367	53.718	96.161	1.00	0.00	H
ATOM	1204	H6	T B	20	-20.915	55.033	97.459	1.00	0.00	H
ATOM	1205	H1'	T B	20	-22.268	56.355	94.275	1.00	0.00	H
ATOM	1206	H3'	T B	20	-18.616	57.300	95.387	1.00	0.00	H
ATOM	1207	H4'	T B	20	-18.820	55.470	93.485	1.00	0.00	H
ATOM	1208	H3T	T B	20	-19.985	58.699	93.911	1.00	0.00	H
ATOM	1209	H71	T B	20	-22.018	54.451	100.014	1.00	0.00	H
ATOM	1210	H72	T B	20	-22.901	52.912	99.850	1.00	0.00	H

ATOM	1211	H73	T B	20	-21.221	53.041	99.275	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-20.518	56.707	96.727	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-21.223	57.943	95.694	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-18.923	53.567	95.246	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-17.545	54.685	95.217	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	10.100	56.315	89.270	1.00	0.00	C
ATOM	2	N1	A A	1	11.886	54.687	93.796	1.00	0.00	N
ATOM	3	C2	A A	1	12.485	54.964	92.642	1.00	0.00	C
ATOM	4	N3	A A	1	11.963	55.385	91.509	1.00	0.00	N
ATOM	5	C4	A A	1	10.629	55.519	91.632	1.00	0.00	C
ATOM	6	C5	A A	1	9.868	55.275	92.740	1.00	0.00	C
ATOM	7	C6	A A	1	10.556	54.830	93.889	1.00	0.00	C
ATOM	8	N6	A A	1	9.940	54.551	95.052	1.00	0.00	N
ATOM	9	N7	A A	1	8.530	55.524	92.491	1.00	0.00	N
ATOM	10	C8	A A	1	8.510	55.907	91.250	1.00	0.00	C
ATOM	11	N9	A A	1	9.749	55.930	90.662	1.00	0.00	N
ATOM	12	C2'	A A	1	9.076	55.872	88.234	1.00	0.00	C
ATOM	13	C3'	A A	1	9.112	57.024	87.241	1.00	0.00	C
ATOM	14	O3'	A A	1	10.179	56.815	86.320	1.00	0.00	O
ATOM	15	C4'	A A	1	9.350	58.238	88.137	1.00	0.00	C
ATOM	16	O4'	A A	1	10.188	57.726	89.223	1.00	0.00	O
ATOM	17	C5'	A A	1	8.122	58.880	88.736	1.00	0.00	C
ATOM	18	O5'	A A	1	7.149	57.859	89.073	1.00	0.00	O
ATOM	19	H2	A A	1	13.565	54.822	92.631	1.00	0.00	H
ATOM	20	H8	A A	1	7.597	56.186	90.725	1.00	0.00	H
ATOM	21	H1'	A A	1	11.086	55.909	89.043	1.00	0.00	H
ATOM	22	H3'	A A	1	8.174	57.119	86.692	1.00	0.00	H
ATOM	23	H4'	A A	1	9.853	58.987	87.527	1.00	0.00	H
ATOM	24	H61	A A	1	10.488	54.231	95.860	1.00	0.00	H
ATOM	25	H62	A A	1	8.918	54.660	95.129	1.00	0.00	H
ATOM	26	H5T	A A	1	6.215	58.067	88.989	1.00	0.00	H
ATOM	27	H2'1	A A	1	8.082	55.747	88.661	1.00	0.00	H
ATOM	28	H2'2	A A	1	9.349	54.930	87.757	1.00	0.00	H
ATOM	29	H5'1	A A	1	8.407	59.427	89.636	1.00	0.00	H
ATOM	30	H5'2	A A	1	7.692	59.574	88.017	1.00	0.00	H
ATOM	31	C1'	G A	2	13.494	52.754	88.596	1.00	0.00	C
ATOM	32	N1	G A	2	12.113	51.311	93.288	1.00	0.00	N
ATOM	33	C2	G A	2	13.370	51.399	92.723	1.00	0.00	C
ATOM	34	N2	G A	2	14.396	51.056	93.509	1.00	0.00	N
ATOM	35	N3	G A	2	13.589	51.800	91.471	1.00	0.00	N
ATOM	36	C4	G A	2	12.436	52.101	90.816	1.00	0.00	C
ATOM	37	C5	G A	2	11.138	52.039	91.299	1.00	0.00	C
ATOM	38	C6	G A	2	10.908	51.618	92.631	1.00	0.00	C
ATOM	39	O6	G A	2	9.841	51.502	93.234	1.00	0.00	O
ATOM	40	N7	G A	2	10.235	52.432	90.310	1.00	0.00	N
ATOM	41	C8	G A	2	10.996	52.715	89.283	1.00	0.00	C
ATOM	42	N9	G A	2	12.345	52.538	89.514	1.00	0.00	N
ATOM	43	C2'	G A	2	13.213	52.356	87.153	1.00	0.00	C
ATOM	44	C3'	G A	2	13.990	53.404	86.375	1.00	0.00	C
ATOM	45	O3'	G A	2	15.349	52.988	86.257	1.00	0.00	O
ATOM	46	C4'	G A	2	13.843	54.651	87.245	1.00	0.00	C
ATOM	47	O4'	G A	2	13.807	54.135	88.613	1.00	0.00	O
ATOM	48	C5'	G A	2	12.609	55.490	87.011	1.00	0.00	C

ATOM	49	O5'	G A	2	11.482	54.631	86.708	1.00	0.00	O
ATOM	50	O1P	G A	2	10.937	55.208	84.319	1.00	0.00	O
ATOM	51	O2P	G A	2	9.141	54.344	85.843	1.00	0.00	O
ATOM	52	P	G A	2	10.376	55.150	85.683	1.00	0.00	P
ATOM	53	H1	G A	2	12.054	50.992	94.267	1.00	0.00	H
ATOM	54	H8	G A	2	10.599	53.061	88.329	1.00	0.00	H
ATOM	55	H1'	G A	2	14.353	52.212	88.990	1.00	0.00	H
ATOM	56	H21	G A	2	14.223	50.750	94.478	1.00	0.00	H
ATOM	57	H3'	G A	2	13.575	53.567	85.380	1.00	0.00	H
ATOM	58	H22	G A	2	15.360	51.099	93.146	1.00	0.00	H
ATOM	59	H4'	G A	2	14.713	55.278	87.050	1.00	0.00	H
ATOM	60	H2'1	G A	2	12.149	52.393	86.915	1.00	0.00	H
ATOM	61	H2'2	G A	2	13.566	51.349	86.926	1.00	0.00	H
ATOM	62	H5'1	G A	2	12.397	56.073	87.907	1.00	0.00	H
ATOM	63	H5'2	G A	2	12.791	56.170	86.178	1.00	0.00	H
ATOM	64	C1'	G A	3	16.103	48.771	89.957	1.00	0.00	C
ATOM	65	N1	G A	3	12.108	47.898	93.003	1.00	0.00	N
ATOM	66	C2	G A	3	13.460	47.785	93.262	1.00	0.00	C
ATOM	67	N2	G A	3	13.793	47.384	94.495	1.00	0.00	N
ATOM	68	N3	G A	3	14.404	48.051	92.364	1.00	0.00	N
ATOM	69	C4	G A	3	13.887	48.436	91.168	1.00	0.00	C
ATOM	70	C5	G A	3	12.553	48.573	90.819	1.00	0.00	C
ATOM	71	C6	G A	3	11.549	48.296	91.774	1.00	0.00	C
ATOM	72	O6	G A	3	10.325	48.359	91.657	1.00	0.00	O
ATOM	73	N7	G A	3	12.442	48.991	89.491	1.00	0.00	N
ATOM	74	C8	G A	3	13.682	49.093	89.086	1.00	0.00	C
ATOM	75	N9	G A	3	14.617	48.772	90.049	1.00	0.00	N
ATOM	76	C2'	G A	3	16.634	48.292	88.613	1.00	0.00	C
ATOM	77	C3'	G A	3	17.860	49.170	88.425	1.00	0.00	C
ATOM	78	O3'	G A	3	18.966	48.582	89.107	1.00	0.00	O
ATOM	79	C4'	G A	3	17.431	50.493	89.057	1.00	0.00	C
ATOM	80	O4'	G A	3	16.548	50.099	90.155	1.00	0.00	O
ATOM	81	C5'	G A	3	16.687	51.455	88.159	1.00	0.00	C
ATOM	82	O5'	G A	3	15.821	50.717	87.261	1.00	0.00	O
ATOM	83	O1P	G A	3	16.819	51.157	84.994	1.00	0.00	O
ATOM	84	O2P	G A	3	14.373	50.648	85.208	1.00	0.00	O
ATOM	85	P	G A	3	15.584	51.281	85.788	1.00	0.00	P
ATOM	86	H1	G A	3	11.456	47.671	93.772	1.00	0.00	H
ATOM	87	H8	G A	3	13.954	49.406	88.079	1.00	0.00	H
ATOM	88	H1'	G A	3	16.494	48.161	90.772	1.00	0.00	H
ATOM	89	H21	G A	3	13.057	47.183	95.187	1.00	0.00	H
ATOM	90	H3'	G A	3	18.113	49.300	87.372	1.00	0.00	H
ATOM	91	H22	G A	3	14.785	47.279	94.751	1.00	0.00	H
ATOM	92	H4'	G A	3	18.339	50.990	89.399	1.00	0.00	H
ATOM	93	H2'1	G A	3	15.915	48.438	87.808	1.00	0.00	H
ATOM	94	H2'2	G A	3	16.900	47.234	88.627	1.00	0.00	H
ATOM	95	H5'1	G A	3	16.094	52.130	88.774	1.00	0.00	H
ATOM	96	H5'2	G A	3	17.407	52.035	87.582	1.00	0.00	H
ATOM	97	C1'	C A	4	16.855	44.623	92.558	1.00	0.00	C
ATOM	98	N1	C A	4	15.596	44.813	91.786	1.00	0.00	N
ATOM	99	C2	C A	4	14.388	44.619	92.452	1.00	0.00	C
ATOM	100	O2	C A	4	14.409	44.299	93.646	1.00	0.00	O
ATOM	101	N3	C A	4	13.231	44.787	91.766	1.00	0.00	N
ATOM	102	C4	C A	4	13.242	45.133	90.473	1.00	0.00	C

ATOM	103	N4	C A	4	12.080	45.287	89.853	1.00	0.00	N
ATOM	104	C5	C A	4	14.470	45.337	89.764	1.00	0.00	C
ATOM	105	C6	C A	4	15.622	45.166	90.474	1.00	0.00	C
ATOM	106	C2'	C A	4	17.974	43.971	91.759	1.00	0.00	C
ATOM	107	C3'	C A	4	19.207	44.677	92.304	1.00	0.00	C
ATOM	108	O3'	C A	4	19.633	44.017	93.495	1.00	0.00	O
ATOM	109	C4'	C A	4	18.697	46.090	92.577	1.00	0.00	C
ATOM	110	O4'	C A	4	17.302	45.903	92.974	1.00	0.00	O
ATOM	111	C5'	C A	4	18.742	47.055	91.416	1.00	0.00	C
ATOM	112	O5'	C A	4	18.436	46.353	90.183	1.00	0.00	O
ATOM	113	O1P	C A	4	20.592	46.476	88.891	1.00	0.00	O
ATOM	114	O2P	C A	4	18.409	46.287	87.671	1.00	0.00	O
ATOM	115	P	C A	4	19.156	46.815	88.837	1.00	0.00	P
ATOM	116	H5	C A	4	14.482	45.615	88.709	1.00	0.00	H
ATOM	117	H6	C A	4	16.582	45.315	89.979	1.00	0.00	H
ATOM	118	H1'	C A	4	16.622	44.044	93.451	1.00	0.00	H
ATOM	119	H3'	C A	4	20.024	44.684	91.584	1.00	0.00	H
ATOM	120	H4'	C A	4	19.316	46.501	93.374	1.00	0.00	H
ATOM	121	H41	C A	4	12.059	45.554	88.857	1.00	0.00	H
ATOM	122	H42	C A	4	11.198	45.139	90.365	1.00	0.00	H
ATOM	123	H2'1	C A	4	17.866	44.136	90.687	1.00	0.00	H
ATOM	124	H2'2	C A	4	18.025	42.895	91.922	1.00	0.00	H
ATOM	125	H5'1	C A	4	18.012	47.847	91.579	1.00	0.00	H
ATOM	126	H5'2	C A	4	19.738	47.493	91.352	1.00	0.00	H
ATOM	127	C1'	C A	5	15.377	40.645	95.109	1.00	0.00	C
ATOM	128	N1	C A	5	14.825	40.922	93.755	1.00	0.00	N
ATOM	129	C2	C A	5	13.439	40.932	93.606	1.00	0.00	C
ATOM	130	O2	C A	5	12.729	40.711	94.596	1.00	0.00	O
ATOM	131	N3	C A	5	12.916	41.184	92.381	1.00	0.00	N
ATOM	132	C4	C A	5	13.709	41.418	91.328	1.00	0.00	C
ATOM	133	N4	C A	5	13.144	41.661	90.156	1.00	0.00	N
ATOM	134	C5	C A	5	15.136	41.411	91.453	1.00	0.00	C
ATOM	135	C6	C A	5	15.640	41.159	92.695	1.00	0.00	C
ATOM	136	C2'	C A	5	16.642	39.797	95.094	1.00	0.00	C
ATOM	137	C3'	C A	5	17.434	40.389	96.249	1.00	0.00	C
ATOM	138	O3'	C A	5	17.006	39.783	97.468	1.00	0.00	O
ATOM	139	C4'	C A	5	17.074	41.870	96.184	1.00	0.00	C
ATOM	140	O4'	C A	5	15.691	41.887	95.709	1.00	0.00	O
ATOM	141	C5'	C A	5	17.913	42.724	95.261	1.00	0.00	C
ATOM	142	O5'	C A	5	18.262	41.967	94.074	1.00	0.00	O
ATOM	143	O1P	C A	5	20.759	41.718	94.254	1.00	0.00	O
ATOM	144	O2P	C A	5	19.655	41.698	92.001	1.00	0.00	O
ATOM	145	P	C A	5	19.677	42.224	93.388	1.00	0.00	P
ATOM	146	H5	C A	5	15.787	41.596	90.597	1.00	0.00	H
ATOM	147	H6	C A	5	16.722	41.149	92.841	1.00	0.00	H
ATOM	148	H1'	C A	5	14.596	40.172	95.705	1.00	0.00	H
ATOM	149	H3'	C A	5	18.507	40.236	96.129	1.00	0.00	H
ATOM	150	H4'	C A	5	17.185	42.267	97.193	1.00	0.00	H
ATOM	151	H41	C A	5	13.730	41.846	89.329	1.00	0.00	H
ATOM	152	H42	C A	5	12.117	41.664	90.069	1.00	0.00	H
ATOM	153	H2'1	C A	5	17.186	39.884	94.155	1.00	0.00	H
ATOM	154	H2'2	C A	5	16.432	38.738	95.255	1.00	0.00	H
ATOM	155	H5'1	C A	5	17.344	43.611	94.979	1.00	0.00	H
ATOM	156	H5'2	C A	5	18.819	43.030	95.783	1.00	0.00	H

ATOM	157	C1'	G A	6	12.145	37.099	96.338	1.00	0.00	C
ATOM	158	N1	G A	6	10.339	37.902	91.635	1.00	0.00	N
ATOM	159	C2	G A	6	9.661	37.710	92.826	1.00	0.00	C
ATOM	160	N2	G A	6	8.325	37.733	92.754	1.00	0.00	N
ATOM	161	N3	G A	6	10.269	37.512	93.995	1.00	0.00	N
ATOM	162	C4	G A	6	11.622	37.511	93.880	1.00	0.00	C
ATOM	163	C5	G A	6	12.383	37.691	92.736	1.00	0.00	C
ATOM	164	C6	G A	6	11.741	37.905	91.497	1.00	0.00	C
ATOM	165	O6	G A	6	12.237	38.081	90.384	1.00	0.00	O
ATOM	166	N7	G A	6	13.743	37.618	93.046	1.00	0.00	N
ATOM	167	C8	G A	6	13.763	37.407	94.335	1.00	0.00	C
ATOM	168	N9	G A	6	12.513	37.329	94.915	1.00	0.00	N
ATOM	169	C2'	G A	6	13.052	36.108	97.053	1.00	0.00	C
ATOM	170	C3'	G A	6	13.118	36.692	98.456	1.00	0.00	C
ATOM	171	O3'	G A	6	11.989	36.244	99.203	1.00	0.00	O
ATOM	172	C4'	G A	6	13.080	38.196	98.200	1.00	0.00	C
ATOM	173	O4'	G A	6	12.236	38.339	97.013	1.00	0.00	O
ATOM	174	C5'	G A	6	14.408	38.864	97.931	1.00	0.00	C
ATOM	175	O5'	G A	6	15.258	37.978	97.161	1.00	0.00	O
ATOM	176	O1P	G A	6	17.136	37.448	98.750	1.00	0.00	O
ATOM	177	O2P	G A	6	17.530	37.375	96.274	1.00	0.00	O
ATOM	178	P	G A	6	16.831	38.008	97.420	1.00	0.00	P
ATOM	179	H1	G A	6	9.774	38.054	90.786	1.00	0.00	H
ATOM	180	H8	G A	6	14.687	37.301	94.906	1.00	0.00	H
ATOM	181	H1'	G A	6	11.105	36.773	96.373	1.00	0.00	H
ATOM	182	H21	G A	6	7.861	37.890	91.848	1.00	0.00	H
ATOM	183	H3'	G A	6	14.031	36.403	98.978	1.00	0.00	H
ATOM	184	H22	G A	6	7.761	37.593	93.606	1.00	0.00	H
ATOM	185	H4'	G A	6	12.649	38.658	99.087	1.00	0.00	H
ATOM	186	H2'1	G A	6	14.043	36.052	96.600	1.00	0.00	H
ATOM	187	H2'2	G A	6	12.639	35.099	97.061	1.00	0.00	H
ATOM	188	H5'1	G A	6	14.239	39.786	97.376	1.00	0.00	H
ATOM	189	H5'2	G A	6	14.887	39.103	98.880	1.00	0.00	H
ATOM	190	C1'	C A	7	8.307	34.087	95.482	1.00	0.00	C
ATOM	191	N1	C A	7	9.444	34.155	94.524	1.00	0.00	N
ATOM	192	C2	C A	7	9.150	34.371	93.179	1.00	0.00	C
ATOM	193	O2	C A	7	7.967	34.496	92.838	1.00	0.00	O
ATOM	194	N3	C A	7	10.171	34.434	92.290	1.00	0.00	N
ATOM	195	C4	C A	7	11.442	34.295	92.688	1.00	0.00	C
ATOM	196	N4	C A	7	12.401	34.368	91.777	1.00	0.00	N
ATOM	197	C5	C A	7	11.773	34.066	94.063	1.00	0.00	C
ATOM	198	C6	C A	7	10.729	34.010	94.944	1.00	0.00	C
ATOM	199	C2'	C A	7	8.493	33.051	96.584	1.00	0.00	C
ATOM	200	C3'	C A	7	7.841	33.735	97.775	1.00	0.00	C
ATOM	201	O3'	C A	7	6.435	33.493	97.741	1.00	0.00	O
ATOM	202	C4'	C A	7	8.178	35.207	97.549	1.00	0.00	C
ATOM	203	O4'	C A	7	8.186	35.359	96.093	1.00	0.00	O
ATOM	204	C5'	C A	7	9.508	35.681	98.089	1.00	0.00	C
ATOM	205	O5'	C A	7	10.499	34.635	97.939	1.00	0.00	O
ATOM	206	O1P	C A	7	11.050	34.004	100.312	1.00	0.00	O
ATOM	207	O2P	C A	7	12.756	33.684	98.501	1.00	0.00	O
ATOM	208	P	C A	7	11.638	34.489	99.046	1.00	0.00	P
ATOM	209	H5	C A	7	12.806	33.945	94.393	1.00	0.00	H
ATOM	210	H6	C A	7	10.931	33.846	96.002	1.00	0.00	H

ATOM	211	H1'	C A	7	7.396	33.898	94.918	1.00	0.00	H
ATOM	212	H3'	C A	7	8.247	33.378	98.722	1.00	0.00	H
ATOM	213	H4'	C A	7	7.396	35.789	98.036	1.00	0.00	H
ATOM	214	H41	C A	7	13.387	34.266	92.056	1.00	0.00	H
ATOM	215	H42	C A	7	12.161	34.529	90.787	1.00	0.00	H
ATOM	216	H2'1	C A	7	9.543	32.836	96.775	1.00	0.00	H
ATOM	217	H2'2	C A	7	8.002	32.106	96.350	1.00	0.00	H
ATOM	218	H5'1	C A	7	9.823	36.569	97.540	1.00	0.00	H
ATOM	219	H5'2	C A	7	9.397	35.933	99.144	1.00	0.00	H
ATOM	220	C1'	A A	8	5.229	31.506	92.593	1.00	0.00	C
ATOM	221	N1	A A	8	9.175	31.567	89.311	1.00	0.00	N
ATOM	222	C2	A A	8	7.867	31.744	89.147	1.00	0.00	C
ATOM	223	N3	A A	8	6.901	31.718	90.040	1.00	0.00	N
ATOM	224	C4	A A	8	7.405	31.464	91.262	1.00	0.00	C
ATOM	225	C5	A A	8	8.713	31.259	91.598	1.00	0.00	C
ATOM	226	C6	A A	8	9.647	31.317	90.541	1.00	0.00	C
ATOM	227	N6	A A	8	10.967	31.137	90.720	1.00	0.00	N
ATOM	228	N7	A A	8	8.852	31.028	92.955	1.00	0.00	N
ATOM	229	C8	A A	8	7.634	31.093	93.408	1.00	0.00	C
ATOM	230	N9	A A	8	6.701	31.357	92.438	1.00	0.00	N
ATOM	231	C2'	A A	8	4.619	30.549	93.609	1.00	0.00	C
ATOM	232	C3'	A A	8	3.520	31.400	94.225	1.00	0.00	C
ATOM	233	O3'	A A	8	2.357	31.322	93.406	1.00	0.00	O
ATOM	234	C4'	A A	8	4.133	32.799	94.226	1.00	0.00	C
ATOM	235	O4'	A A	8	4.971	32.827	93.025	1.00	0.00	O
ATOM	236	C5'	A A	8	4.986	33.157	95.420	1.00	0.00	C
ATOM	237	O5'	A A	8	5.734	31.993	95.854	1.00	0.00	O
ATOM	238	O1P	A A	8	4.772	31.499	98.128	1.00	0.00	O
ATOM	239	O2P	A A	8	7.130	30.833	97.592	1.00	0.00	O
ATOM	240	P	A A	8	6.026	31.806	97.412	1.00	0.00	P
ATOM	241	H2	A A	8	7.550	31.940	88.125	1.00	0.00	H
ATOM	242	H8	A A	8	7.378	30.952	94.458	1.00	0.00	H
ATOM	243	H1'	A A	8	4.770	31.378	91.612	1.00	0.00	H
ATOM	244	H3'	A A	8	3.273	31.079	95.236	1.00	0.00	H
ATOM	245	H4'	A A	8	3.306	33.507	94.183	1.00	0.00	H
ATOM	246	H61	A A	8	11.607	31.192	89.916	1.00	0.00	H
ATOM	247	H62	A A	8	11.337	30.942	91.662	1.00	0.00	H
ATOM	248	H2'1	A A	8	5.340	30.229	94.359	1.00	0.00	H
ATOM	249	H2'2	A A	8	4.212	29.654	93.140	1.00	0.00	H
ATOM	250	H5'1	A A	8	5.676	33.952	95.139	1.00	0.00	H
ATOM	251	H5'2	A A	8	4.345	33.505	96.228	1.00	0.00	H
ATOM	252	C1'	C A	9	4.033	29.090	88.421	1.00	0.00	C
ATOM	253	N1	C A	9	5.282	28.749	89.157	1.00	0.00	N
ATOM	254	C2	C A	9	6.474	28.714	88.438	1.00	0.00	C
ATOM	255	O2	C A	9	6.448	28.964	87.226	1.00	0.00	O
ATOM	256	N3	C A	9	7.622	28.406	89.091	1.00	0.00	N
ATOM	257	C4	C A	9	7.618	28.137	90.402	1.00	0.00	C
ATOM	258	N4	C A	9	8.769	27.845	90.990	1.00	0.00	N
ATOM	259	C5	C A	9	6.404	28.163	91.167	1.00	0.00	C
ATOM	260	C6	C A	9	5.261	28.480	90.491	1.00	0.00	C
ATOM	261	C2'	C A	9	2.815	28.303	88.882	1.00	0.00	C
ATOM	262	C3'	C A	9	1.702	29.332	88.745	1.00	0.00	C
ATOM	263	O3'	C A	9	1.230	29.335	87.400	1.00	0.00	O
ATOM	264	C4'	C A	9	2.400	30.638	89.115	1.00	0.00	C

ATOM	265	O4'	C A	9	3.772	30.465	88.632	1.00	0.00	O
ATOM	266	C5'	C A	9	2.447	30.982	90.585	1.00	0.00	C
ATOM	267	O5'	C A	9	2.621	29.772	91.366	1.00	0.00	O
ATOM	268	O1P	C A	9	0.460	29.590	92.644	1.00	0.00	O
ATOM	269	O2P	C A	9	2.561	28.592	93.585	1.00	0.00	O
ATOM	270	P	C A	9	1.925	29.678	92.798	1.00	0.00	P
ATOM	271	H5	C A	9	6.396	27.939	92.235	1.00	0.00	H
ATOM	272	H6	C A	9	4.315	28.519	91.031	1.00	0.00	H
ATOM	273	H1'	C A	9	4.214	28.942	87.356	1.00	0.00	H
ATOM	274	H3'	C A	9	0.870	29.126	89.419	1.00	0.00	H
ATOM	275	H4'	C A	9	1.867	31.439	88.603	1.00	0.00	H
ATOM	276	H41	C A	9	8.793	27.637	92.000	1.00	0.00	H
ATOM	277	H42	C A	9	9.638	27.825	90.438	1.00	0.00	H
ATOM	278	H2'1	C A	9	2.909	27.957	89.910	1.00	0.00	H
ATOM	279	H2'2	C A	9	2.626	27.428	88.257	1.00	0.00	H
ATOM	280	H5'1	C A	9	3.281	31.661	90.769	1.00	0.00	H
ATOM	281	H5'2	C A	9	1.516	31.472	90.867	1.00	0.00	H
ATOM	282	C1'	C A	10	5.054	26.504	84.322	1.00	0.00	C
ATOM	283	N1	C A	10	5.597	26.076	85.640	1.00	0.00	N
ATOM	284	C2	C A	10	6.966	25.836	85.736	1.00	0.00	C
ATOM	285	O2	C A	10	7.670	25.988	84.728	1.00	0.00	O
ATOM	286	N3	C A	10	7.480	25.445	86.927	1.00	0.00	N
ATOM	287	C4	C A	10	6.691	25.289	87.999	1.00	0.00	C
ATOM	288	N4	C A	10	7.247	24.907	89.141	1.00	0.00	N
ATOM	289	C5	C A	10	5.279	25.524	87.929	1.00	0.00	C
ATOM	290	C6	C A	10	4.784	25.922	86.719	1.00	0.00	C
ATOM	291	C2'	C A	10	3.689	25.914	83.998	1.00	0.00	C
ATOM	292	C3'	C A	10	3.018	27.056	83.251	1.00	0.00	C
ATOM	293	O3'	C A	10	3.399	27.005	81.878	1.00	0.00	O
ATOM	294	C4'	C A	10	3.567	28.293	83.958	1.00	0.00	C
ATOM	295	O4'	C A	10	4.924	27.914	84.348	1.00	0.00	O
ATOM	296	C5'	C A	10	2.820	28.748	85.191	1.00	0.00	C
ATOM	297	O5'	C A	10	2.338	27.595	85.926	1.00	0.00	O
ATOM	298	O1P	C A	10	-0.164	27.784	85.732	1.00	0.00	O
ATOM	299	O2P	C A	10	0.857	26.617	87.705	1.00	0.00	O
ATOM	300	P	C A	10	0.948	27.704	86.699	1.00	0.00	P
ATOM	301	H5	C A	10	4.632	25.392	88.797	1.00	0.00	H
ATOM	302	H6	C A	10	3.717	26.121	86.619	1.00	0.00	H
ATOM	303	H1'	C A	10	5.783	26.249	83.554	1.00	0.00	H
ATOM	304	H3'	C A	10	1.931	27.009	83.325	1.00	0.00	H
ATOM	305	H4'	C A	10	3.541	29.108	83.235	1.00	0.00	H
ATOM	306	H41	C A	10	6.664	24.782	89.980	1.00	0.00	H
ATOM	307	H42	C A	10	8.263	24.736	89.186	1.00	0.00	H
ATOM	308	H2'1	C A	10	3.130	25.644	84.893	1.00	0.00	H
ATOM	309	H2'2	C A	10	3.763	25.020	83.376	1.00	0.00	H
ATOM	310	H5'1	C A	10	3.492	29.333	85.821	1.00	0.00	H
ATOM	311	H5'2	C A	10	1.978	29.370	84.889	1.00	0.00	H
ATOM	312	C1'	T A	11	7.813	23.493	81.526	1.00	0.00	C
ATOM	313	N1	T A	11	7.463	23.106	82.919	1.00	0.00	N
ATOM	314	C2	T A	11	8.499	22.717	83.743	1.00	0.00	C
ATOM	315	O2	T A	11	9.660	22.682	83.373	1.00	0.00	O
ATOM	316	N3	T A	11	8.130	22.367	85.029	1.00	0.00	N
ATOM	317	C4	T A	11	6.850	22.368	85.545	1.00	0.00	C
ATOM	318	O4	T A	11	6.641	22.028	86.717	1.00	0.00	O

ATOM	319	C5	T A	11	5.835	22.788	84.608	1.00	0.00	C
ATOM	320	C6	T A	11	6.159	23.139	83.349	1.00	0.00	C
ATOM	321	C7	T A	11	4.428	22.808	85.129	1.00	0.00	C
ATOM	322	C2'	T A	11	6.790	23.049	80.489	1.00	0.00	C
ATOM	323	C3'	T A	11	6.820	24.200	79.497	1.00	0.00	C
ATOM	324	O3'	T A	11	7.888	23.998	78.575	1.00	0.00	O
ATOM	325	C4'	T A	11	7.054	25.414	80.395	1.00	0.00	C
ATOM	326	O4'	T A	11	7.897	24.904	81.478	1.00	0.00	O
ATOM	327	C5'	T A	11	5.824	26.053	80.998	1.00	0.00	C
ATOM	328	O5'	T A	11	4.856	25.028	81.332	1.00	0.00	O
ATOM	329	O1P	T A	11	2.942	25.501	79.769	1.00	0.00	O
ATOM	330	O2P	T A	11	2.514	24.378	81.970	1.00	0.00	O
ATOM	331	P	T A	11	3.304	25.363	81.192	1.00	0.00	P
ATOM	332	H3	T A	11	8.884	22.076	85.666	1.00	0.00	H
ATOM	333	H6	T A	11	5.376	23.454	82.658	1.00	0.00	H
ATOM	334	H1'	T A	11	8.801	23.091	81.297	1.00	0.00	H
ATOM	335	H3'	T A	11	5.884	24.292	78.950	1.00	0.00	H
ATOM	336	H4'	T A	11	7.555	26.168	79.785	1.00	0.00	H
ATOM	337	H71	T A	11	3.837	22.061	84.602	1.00	0.00	H
ATOM	338	H72	T A	11	4.433	22.582	86.196	1.00	0.00	H
ATOM	339	H73	T A	11	3.993	23.795	84.968	1.00	0.00	H
ATOM	340	H2'1	T A	11	5.797	22.921	80.918	1.00	0.00	H
ATOM	341	H2'2	T A	11	7.066	22.107	80.013	1.00	0.00	H
ATOM	342	H5'1	T A	11	6.108	26.598	81.897	1.00	0.00	H
ATOM	343	H5'2	T A	11	5.392	26.745	80.276	1.00	0.00	H
ATOM	344	C1'	A A	12	11.208	19.942	80.827	1.00	0.00	C
ATOM	345	N1	A A	12	9.844	18.483	85.556	1.00	0.00	N
ATOM	346	C2	A A	12	11.024	18.591	84.954	1.00	0.00	C
ATOM	347	N3	A A	12	11.306	18.977	83.727	1.00	0.00	N
ATOM	348	C4	A A	12	10.177	19.282	83.065	1.00	0.00	C
ATOM	349	C5	A A	12	8.895	19.225	83.534	1.00	0.00	C
ATOM	350	C6	A A	12	8.735	18.796	84.869	1.00	0.00	C
ATOM	351	N6	A A	12	7.535	18.691	85.466	1.00	0.00	N
ATOM	352	N7	A A	12	7.989	19.617	82.564	1.00	0.00	N
ATOM	353	C8	A A	12	8.734	19.895	81.536	1.00	0.00	C
ATOM	354	N9	A A	12	10.075	19.718	81.766	1.00	0.00	N
ATOM	355	C2'	A A	12	10.902	19.543	79.390	1.00	0.00	C
ATOM	356	C3'	A A	12	11.662	20.596	78.600	1.00	0.00	C
ATOM	357	O3'	A A	12	13.021	20.184	78.459	1.00	0.00	O
ATOM	358	C4'	A A	12	11.526	21.842	79.474	1.00	0.00	C
ATOM	359	O4'	A A	12	11.513	21.322	80.842	1.00	0.00	O
ATOM	360	C5'	A A	12	10.286	22.676	79.262	1.00	0.00	C
ATOM	361	O5'	A A	12	9.156	21.814	78.977	1.00	0.00	O
ATOM	362	O1P	A A	12	8.568	22.392	76.598	1.00	0.00	O
ATOM	363	O2P	A A	12	6.801	21.518	78.152	1.00	0.00	O
ATOM	364	P	A A	12	8.031	22.329	77.972	1.00	0.00	P
ATOM	365	H2	A A	12	11.885	18.318	85.565	1.00	0.00	H
ATOM	366	H8	A A	12	8.333	20.238	80.580	1.00	0.00	H
ATOM	367	H1'	A A	12	12.074	19.401	81.206	1.00	0.00	H
ATOM	368	H3'	A A	12	11.231	20.759	77.614	1.00	0.00	H
ATOM	369	H4'	A A	12	12.391	22.471	79.264	1.00	0.00	H
ATOM	370	H61	A A	12	7.473	18.375	86.444	1.00	0.00	H
ATOM	371	H62	A A	12	6.678	18.929	84.944	1.00	0.00	H
ATOM	372	H2'1	A A	12	9.835	19.576	79.170	1.00	0.00	H

ATOM	373	H2'2	A	A	12	11.254	18.538	79.155	1.00	0.00	H
ATOM	374	H5'1	A	A	12	10.087	23.256	80.163	1.00	0.00	H
ATOM	375	H5'2	A	A	12	10.449	23.357	78.428	1.00	0.00	H
ATOM	376	C1'	G	A	13	13.816	15.950	82.213	1.00	0.00	C
ATOM	377	N1	G	A	13	9.818	15.077	85.260	1.00	0.00	N
ATOM	378	C2	G	A	13	11.173	14.963	85.519	1.00	0.00	C
ATOM	379	N2	G	A	13	11.507	14.561	86.752	1.00	0.00	N
ATOM	380	N3	G	A	13	12.118	15.229	84.618	1.00	0.00	N
ATOM	381	C4	G	A	13	11.599	15.615	83.423	1.00	0.00	C
ATOM	382	C5	G	A	13	10.265	15.752	83.075	1.00	0.00	C
ATOM	383	C6	G	A	13	9.262	15.474	84.031	1.00	0.00	C
ATOM	384	O6	G	A	13	8.038	15.536	83.910	1.00	0.00	O
ATOM	385	N7	G	A	13	10.155	16.169	81.746	1.00	0.00	N
ATOM	386	C8	G	A	13	11.395	16.272	81.343	1.00	0.00	C
ATOM	387	N9	G	A	13	12.329	15.951	82.304	1.00	0.00	N
ATOM	388	C2'	G	A	13	14.347	15.472	80.869	1.00	0.00	C
ATOM	389	C3'	G	A	13	15.573	16.349	80.680	1.00	0.00	C
ATOM	390	O3'	G	A	13	16.679	15.761	81.363	1.00	0.00	O
ATOM	391	C4'	G	A	13	15.144	17.672	81.312	1.00	0.00	C
ATOM	392	O4'	G	A	13	14.262	17.278	82.410	1.00	0.00	O
ATOM	393	C5'	G	A	13	14.400	18.633	80.415	1.00	0.00	C
ATOM	394	O5'	G	A	13	13.534	17.896	79.517	1.00	0.00	O
ATOM	395	O1P	G	A	13	14.533	18.336	77.249	1.00	0.00	O
ATOM	396	O2P	G	A	13	12.086	17.827	77.464	1.00	0.00	O
ATOM	397	P	G	A	13	13.296	18.460	78.044	1.00	0.00	P
ATOM	398	H1	G	A	13	9.168	14.853	86.029	1.00	0.00	H
ATOM	399	H8	G	A	13	11.666	16.584	80.334	1.00	0.00	H
ATOM	400	H1'	G	A	13	14.207	15.340	83.028	1.00	0.00	H
ATOM	401	H21	G	A	13	10.770	14.362	87.444	1.00	0.00	H
ATOM	402	H3'	G	A	13	15.826	16.478	79.628	1.00	0.00	H
ATOM	403	H22	G	A	13	12.498	14.456	87.006	1.00	0.00	H
ATOM	404	H4'	G	A	13	16.051	18.169	81.653	1.00	0.00	H
ATOM	405	H2'1	G	A	13	13.627	15.617	80.064	1.00	0.00	H
ATOM	406	H2'2	G	A	13	14.612	14.414	80.883	1.00	0.00	H
ATOM	407	H5'1	G	A	13	13.807	19.309	81.029	1.00	0.00	H
ATOM	408	H5'2	G	A	13	15.120	19.213	79.839	1.00	0.00	H
ATOM	409	C1'	G	A	14	14.567	11.803	84.814	1.00	0.00	C
ATOM	410	N1	G	A	14	9.472	11.678	85.014	1.00	0.00	N
ATOM	411	C2	G	A	14	10.405	11.422	86.003	1.00	0.00	C
ATOM	412	N2	G	A	14	9.917	11.085	87.203	1.00	0.00	N
ATOM	413	N3	G	A	14	11.721	11.496	85.807	1.00	0.00	N
ATOM	414	C4	G	A	14	12.035	11.842	84.532	1.00	0.00	C
ATOM	415	C5	G	A	14	11.175	12.112	83.483	1.00	0.00	C
ATOM	416	C6	G	A	14	9.778	12.038	83.688	1.00	0.00	C
ATOM	417	O6	G	A	14	8.862	12.239	82.889	1.00	0.00	O
ATOM	418	N7	G	A	14	11.901	12.428	82.332	1.00	0.00	N
ATOM	419	C8	G	A	14	13.149	12.346	82.713	1.00	0.00	C
ATOM	420	N9	G	A	14	13.312	11.994	84.036	1.00	0.00	N
ATOM	421	C2'	G	A	14	15.690	11.154	84.016	1.00	0.00	C
ATOM	422	C3'	G	A	14	16.919	11.857	84.568	1.00	0.00	C
ATOM	423	O3'	G	A	14	17.342	11.196	85.760	1.00	0.00	O
ATOM	424	C4'	G	A	14	16.408	13.270	84.842	1.00	0.00	C
ATOM	425	O4'	G	A	14	15.013	13.079	85.235	1.00	0.00	O
ATOM	426	C5'	G	A	14	16.457	14.238	83.683	1.00	0.00	C

ATOM	427	O5'	G A	14	16.157	13.540	82.450	1.00	0.00	O
ATOM	428	O1P	G A	14	18.317	13.668	81.166	1.00	0.00	O
ATOM	429	O2P	G A	14	16.140	13.481	79.937	1.00	0.00	O
ATOM	430	P	G A	14	16.883	14.006	81.108	1.00	0.00	P
ATOM	431	H1	G A	14	8.476	11.600	85.270	1.00	0.00	H
ATOM	432	H8	G A	14	13.988	12.538	82.043	1.00	0.00	H
ATOM	433	H1'	G A	14	14.332	11.219	85.703	1.00	0.00	H
ATOM	434	H21	G A	14	8.899	11.034	87.347	1.00	0.00	H
ATOM	435	H3'	G A	14	17.740	11.868	83.850	1.00	0.00	H
ATOM	436	H22	G A	14	10.560	10.880	87.980	1.00	0.00	H
ATOM	437	H4'	G A	14	17.023	13.679	85.643	1.00	0.00	H
ATOM	438	H2'1	G A	14	15.586	11.320	82.944	1.00	0.00	H
ATOM	439	H2'2	G A	14	15.743	10.077	84.178	1.00	0.00	H
ATOM	440	H5'1	G A	14	15.726	15.029	83.847	1.00	0.00	H
ATOM	441	H5'2	G A	14	17.454	14.676	83.626	1.00	0.00	H
ATOM	442	C1'	A A	15	13.112	7.822	87.370	1.00	0.00	C
ATOM	443	N1	A A	15	8.813	8.336	84.617	1.00	0.00	N
ATOM	444	C2	A A	15	9.031	8.064	85.901	1.00	0.00	C
ATOM	445	N3	A A	15	10.171	7.948	86.550	1.00	0.00	N
ATOM	446	C4	A A	15	11.205	8.144	85.710	1.00	0.00	C
ATOM	447	C5	A A	15	11.152	8.428	84.375	1.00	0.00	C
ATOM	448	C6	A A	15	9.865	8.526	83.805	1.00	0.00	C
ATOM	449	N6	A A	15	9.657	8.801	82.506	1.00	0.00	N
ATOM	450	N7	A A	15	12.422	8.564	83.844	1.00	0.00	N
ATOM	451	C8	A A	15	13.209	8.357	84.856	1.00	0.00	C
ATOM	452	N9	A A	15	12.541	8.098	86.026	1.00	0.00	N
ATOM	453	C2'	A A	15	14.383	6.982	87.337	1.00	0.00	C
ATOM	454	C3'	A A	15	15.186	7.575	88.485	1.00	0.00	C
ATOM	455	O3'	A A	15	14.777	6.965	89.705	1.00	0.00	O
ATOM	456	C4'	A A	15	14.817	9.057	88.429	1.00	0.00	C
ATOM	457	O4'	A A	15	13.426	9.066	87.970	1.00	0.00	O
ATOM	458	C5'	A A	15	15.637	9.918	87.498	1.00	0.00	C
ATOM	459	O5'	A A	15	15.975	9.167	86.305	1.00	0.00	O
ATOM	460	O1P	A A	15	18.477	8.934	86.453	1.00	0.00	O
ATOM	461	O2P	A A	15	17.346	8.912	84.213	1.00	0.00	O
ATOM	462	P	A A	15	17.381	9.435	85.600	1.00	0.00	P
ATOM	463	H2	A A	15	8.134	7.915	86.503	1.00	0.00	H
ATOM	464	H8	A A	15	14.296	8.387	84.786	1.00	0.00	H
ATOM	465	H1'	A A	15	12.343	7.343	87.976	1.00	0.00	H
ATOM	466	H3'	A A	15	16.258	7.432	88.351	1.00	0.00	H
ATOM	467	H4'	A A	15	14.934	9.451	89.437	1.00	0.00	H
ATOM	468	H61	A A	15	8.696	8.863	82.141	1.00	0.00	H
ATOM	469	H62	A A	15	10.459	8.946	81.877	1.00	0.00	H
ATOM	470	H2'1	A A	15	14.915	7.077	86.391	1.00	0.00	H
ATOM	471	H2'2	A A	15	14.184	5.923	87.500	1.00	0.00	H
ATOM	472	H5'1	A A	15	15.059	10.801	87.225	1.00	0.00	H
ATOM	473	H5'2	A A	15	16.548	10.229	88.007	1.00	0.00	H
ATOM	474	C1'	C A	16	9.857	4.278	88.595	1.00	0.00	C
ATOM	475	N1	C A	16	10.220	4.509	87.169	1.00	0.00	N
ATOM	476	C2	C A	16	9.185	4.675	86.252	1.00	0.00	C
ATOM	477	O2	C A	16	8.016	4.625	86.656	1.00	0.00	O
ATOM	478	N3	C A	16	9.493	4.886	84.949	1.00	0.00	N
ATOM	479	C4	C A	16	10.768	4.935	84.543	1.00	0.00	C
ATOM	480	N4	C A	16	11.011	5.148	83.256	1.00	0.00	N

ATOM	481	C5	C A	16	11.853	4.763	85.462	1.00	0.00	C
ATOM	482	C6	C A	16	11.519	4.556	86.772	1.00	0.00	C
ATOM	483	C2'	C A	16	10.765	3.284	89.304	1.00	0.00	C
ATOM	484	C3'	C A	16	10.837	3.868	90.708	1.00	0.00	C
ATOM	485	O3'	C A	16	9.711	3.420	91.459	1.00	0.00	O
ATOM	486	C4'	C A	16	10.801	5.372	90.452	1.00	0.00	C
ATOM	487	O4'	C A	16	9.955	5.519	89.269	1.00	0.00	O
ATOM	488	C5'	C A	16	12.132	6.037	90.179	1.00	0.00	C
ATOM	489	O5'	C A	16	12.976	5.148	89.405	1.00	0.00	O
ATOM	490	O1P	C A	16	14.860	4.611	90.985	1.00	0.00	O
ATOM	491	O2P	C A	16	15.242	4.541	88.507	1.00	0.00	O
ATOM	492	P	C A	16	14.549	5.173	89.656	1.00	0.00	P
ATOM	493	H5	C A	16	12.893	4.794	85.136	1.00	0.00	H
ATOM	494	H6	C A	16	12.311	4.426	87.511	1.00	0.00	H
ATOM	495	H1'	C A	16	8.817	3.954	88.634	1.00	0.00	H
ATOM	496	H3'	C A	16	11.754	3.576	91.224	1.00	0.00	H
ATOM	497	H4'	C A	16	10.377	5.834	91.343	1.00	0.00	H
ATOM	498	H41	C A	16	11.984	5.192	82.919	1.00	0.00	H
ATOM	499	H42	C A	16	10.231	5.269	82.597	1.00	0.00	H
ATOM	500	H2'1	C A	16	11.753	3.226	88.849	1.00	0.00	H
ATOM	501	H2'2	C A	16	10.349	2.276	89.315	1.00	0.00	H
ATOM	502	H5'1	C A	16	11.962	6.961	89.625	1.00	0.00	H
ATOM	503	H5'2	C A	16	12.615	6.272	91.127	1.00	0.00	H
ATOM	504	C1'	G A	17	6.022	1.267	87.737	1.00	0.00	C
ATOM	505	N1	G A	17	7.347	1.894	82.852	1.00	0.00	N
ATOM	506	C2	G A	17	6.092	1.885	83.438	1.00	0.00	C
ATOM	507	N2	G A	17	5.055	2.066	82.611	1.00	0.00	N
ATOM	508	N3	G A	17	5.892	1.711	84.743	1.00	0.00	N
ATOM	509	C4	G A	17	7.053	1.536	85.425	1.00	0.00	C
ATOM	510	C5	G A	17	8.346	1.525	84.926	1.00	0.00	C
ATOM	511	C6	G A	17	8.560	1.715	83.542	1.00	0.00	C
ATOM	512	O6	G A	17	9.620	1.737	82.916	1.00	0.00	O
ATOM	513	N7	G A	17	9.261	1.313	85.959	1.00	0.00	N
ATOM	514	C8	G A	17	8.513	1.209	87.028	1.00	0.00	C
ATOM	515	N9	G A	17	7.161	1.332	86.783	1.00	0.00	N
ATOM	516	C2'	G A	17	6.203	0.234	88.842	1.00	0.00	C
ATOM	517	C3'	G A	17	5.547	0.918	90.029	1.00	0.00	C
ATOM	518	O3'	G A	17	4.142	0.675	89.992	1.00	0.00	O
ATOM	519	C4'	G A	17	5.884	2.391	89.801	1.00	0.00	C
ATOM	520	O4'	G A	17	5.895	2.538	88.346	1.00	0.00	O
ATOM	521	C5'	G A	17	7.209	2.868	90.347	1.00	0.00	C
ATOM	522	O5'	G A	17	8.203	1.823	90.200	1.00	0.00	O
ATOM	523	O1P	G A	17	8.744	1.200	92.577	1.00	0.00	O
ATOM	524	O2P	G A	17	10.459	0.876	90.774	1.00	0.00	O
ATOM	525	P	G A	17	9.336	1.682	91.313	1.00	0.00	P
ATOM	526	H1	G A	17	7.392	2.044	81.833	1.00	0.00	H
ATOM	527	H8	G A	17	8.922	1.037	88.023	1.00	0.00	H
ATOM	528	H1'	G A	17	5.111	1.073	87.170	1.00	0.00	H
ATOM	529	H21	G A	17	5.218	2.203	81.604	1.00	0.00	H
ATOM	530	H3'	G A	17	5.950	0.565	90.979	1.00	0.00	H
ATOM	531	H22	G A	17	4.095	2.066	82.985	1.00	0.00	H
ATOM	532	H4'	G A	17	5.097	2.973	90.282	1.00	0.00	H
ATOM	533	H2'1	G A	17	7.255	0.021	89.040	1.00	0.00	H
ATOM	534	H2'2	G A	17	5.715	-0.713	88.609	1.00	0.00	H

ATOM	535	H5'1	G A	17	7.522	3.755	89.796	1.00	0.00	H
ATOM	536	H5'2	G A	17	7.092	3.123	91.399	1.00	0.00	H
ATOM	537	C1'	G A	18	2.956	-1.313	84.828	1.00	0.00	C
ATOM	538	N1	G A	18	6.896	-1.258	81.588	1.00	0.00	N
ATOM	539	C2	G A	18	5.546	-1.065	81.348	1.00	0.00	C
ATOM	540	N2	G A	18	5.201	-0.826	80.076	1.00	0.00	N
ATOM	541	N3	G A	18	4.618	-1.105	82.301	1.00	0.00	N
ATOM	542	C4	G A	18	5.145	-1.363	83.527	1.00	0.00	C
ATOM	543	C5	G A	18	6.474	-1.573	83.859	1.00	0.00	C
ATOM	544	C6	G A	18	7.462	-1.525	82.847	1.00	0.00	C
ATOM	545	O6	G A	18	8.679	-1.684	82.944	1.00	0.00	O
ATOM	546	N7	G A	18	6.597	-1.808	85.228	1.00	0.00	N
ATOM	547	C8	G A	18	5.370	-1.733	85.674	1.00	0.00	C
ATOM	548	N9	G A	18	4.432	-1.467	84.700	1.00	0.00	N
ATOM	549	C2'	G A	18	2.325	-2.267	85.833	1.00	0.00	C
ATOM	550	C3'	G A	18	1.219	-1.412	86.431	1.00	0.00	C
ATOM	551	O3'	G A	18	0.067	-1.484	85.594	1.00	0.00	O
ATOM	552	C4'	G A	18	1.837	-0.015	86.440	1.00	0.00	C
ATOM	553	O4'	G A	18	2.694	0.008	85.256	1.00	0.00	O
ATOM	554	C5'	G A	18	2.673	0.339	87.648	1.00	0.00	C
ATOM	555	O5'	G A	18	3.407	-0.827	88.096	1.00	0.00	O
ATOM	556	O1P	G A	18	2.405	-1.315	90.354	1.00	0.00	O
ATOM	557	O2P	G A	18	4.768	-1.991	89.859	1.00	0.00	O
ATOM	558	P	G A	18	3.671	-1.014	89.659	1.00	0.00	P
ATOM	559	H1	G A	18	7.534	-1.199	80.779	1.00	0.00	H
ATOM	560	H8	G A	18	5.109	-1.871	86.724	1.00	0.00	H
ATOM	561	H1'	G A	18	2.513	-1.440	83.839	1.00	0.00	H
ATOM	562	H21	G A	18	5.927	-0.794	79.344	1.00	0.00	H
ATOM	563	H3'	G A	18	0.954	-1.732	87.439	1.00	0.00	H
ATOM	564	H22	G A	18	4.213	-0.678	79.832	1.00	0.00	H
ATOM	565	H4'	G A	18	1.014	0.696	86.386	1.00	0.00	H
ATOM	566	H2'1	G A	18	3.032	-2.589	86.596	1.00	0.00	H
ATOM	567	H2'2	G A	18	1.923	-3.163	85.359	1.00	0.00	H
ATOM	568	H5'1	G A	18	3.370	1.133	87.381	1.00	0.00	H
ATOM	569	H5'2	G A	18	2.018	0.692	88.445	1.00	0.00	H
ATOM	570	C1'	T A	19	1.725	-3.730	80.686	1.00	0.00	C
ATOM	571	N1	T A	19	2.983	-4.070	81.402	1.00	0.00	N
ATOM	572	C2	T A	19	4.145	-4.098	80.657	1.00	0.00	C
ATOM	573	O2	T A	19	4.167	-3.859	79.462	1.00	0.00	O
ATOM	574	N3	T A	19	5.290	-4.417	81.362	1.00	0.00	N
ATOM	575	C4	T A	19	5.372	-4.706	82.707	1.00	0.00	C
ATOM	576	O4	T A	19	6.459	-4.983	83.229	1.00	0.00	O
ATOM	577	C5	T A	19	4.109	-4.653	83.403	1.00	0.00	C
ATOM	578	C6	T A	19	2.971	-4.344	82.748	1.00	0.00	C
ATOM	579	C7	T A	19	4.152	-4.958	84.870	1.00	0.00	C
ATOM	580	C2'	T A	19	0.512	-4.520	81.165	1.00	0.00	C
ATOM	581	C3'	T A	19	-0.603	-3.493	81.047	1.00	0.00	C
ATOM	582	O3'	T A	19	-1.096	-3.489	79.709	1.00	0.00	O
ATOM	583	C4'	T A	19	0.099	-2.187	81.407	1.00	0.00	C
ATOM	584	O4'	T A	19	1.461	-2.357	80.902	1.00	0.00	O
ATOM	585	C5'	T A	19	0.167	-1.843	82.877	1.00	0.00	C
ATOM	586	O5'	T A	19	0.355	-3.053	83.653	1.00	0.00	O
ATOM	587	O1P	T A	19	-1.786	-3.241	84.964	1.00	0.00	O
ATOM	588	O2P	T A	19	0.332	-4.236	85.870	1.00	0.00	O

ATOM	589	P	T A	19	-0.318	-3.152	85.096	1.00	0.00	P
ATOM	590	H3	T A	19	6.171	-4.440	80.828	1.00	0.00	H
ATOM	591	H6	T A	19	2.029	-4.309	83.295	1.00	0.00	H
ATOM	592	H1'	T A	19	1.888	-3.878	79.619	1.00	0.00	H
ATOM	593	H3'	T A	19	-1.424	-3.702	81.733	1.00	0.00	H
ATOM	594	H4'	T A	19	-0.445	-1.385	80.904	1.00	0.00	H
ATOM	595	H71	T A	19	3.604	-5.879	85.067	1.00	0.00	H
ATOM	596	H72	T A	19	5.188	-5.079	85.186	1.00	0.00	H
ATOM	597	H73	T A	19	3.696	-4.138	85.428	1.00	0.00	H
ATOM	598	H2'1	T A	19	0.625	-4.867	82.191	1.00	0.00	H
ATOM	599	H2'2	T A	19	0.316	-5.394	80.543	1.00	0.00	H
ATOM	600	H5'1	T A	19	1.002	-1.163	83.048	1.00	0.00	H
ATOM	601	H5'2	T A	19	-0.760	-1.356	83.174	1.00	0.00	H
ATOM	602	C01	LNK A	20	-3.565	-5.707	78.024	0.00	0.00	C
ATOM	603	O1	LNK A	20	-2.780	-5.334	79.158	1.00	0.00	O
ATOM	604	S	LNK A	20	-6.076	-8.595	76.926	0.00	0.00	S
ATOM	605	C02	LNK A	20	-4.334	-7.004	78.338	0.00	0.00	C
ATOM	606	C03	LNK A	20	-4.409	-7.877	77.071	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-0.455	-6.044	79.813	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-0.887	-5.124	77.519	1.00	0.00	O
ATOM	609	P	LNK A	20	-1.213	-5.103	78.965	1.00	0.00	P
ATOM	610	H01	LNK A	20	-2.911	-5.872	77.166	0.00	0.00	H
ATOM	611	H02	LNK A	20	-4.273	-4.912	77.792	0.00	0.00	H
ATOM	612	H03	LNK A	20	-3.674	-8.679	77.140	0.00	0.00	H
ATOM	613	H04	LNK A	20	-5.344	-6.755	78.668	0.00	0.00	H
ATOM	614	H05	LNK A	20	-3.818	-7.550	79.127	0.00	0.00	H
ATOM	615	H06	LNK A	20	-4.199	-7.266	76.194	0.00	0.00	H
ATOM	616	AU	LNK A	20	-6.082	-9.060	76.422			
TER										
ATOM	618	C1'	A B	2	11.821	-4.448	76.633	1.00	0.00	C
ATOM	619	N1	A B	2	7.822	-4.495	79.850	1.00	0.00	N
ATOM	620	C2	A B	2	7.925	-4.238	78.550	1.00	0.00	C
ATOM	621	N3	A B	2	8.991	-4.248	77.778	1.00	0.00	N
ATOM	622	C4	A B	2	10.084	-4.566	78.497	1.00	0.00	C
ATOM	623	C5	A B	2	10.146	-4.854	79.831	1.00	0.00	C
ATOM	624	C6	A B	2	8.928	-4.812	80.540	1.00	0.00	C
ATOM	625	N6	A B	2	8.835	-5.072	81.855	1.00	0.00	N
ATOM	626	N7	A B	2	11.444	-5.139	80.220	1.00	0.00	N
ATOM	627	C8	A B	2	12.133	-5.013	79.125	1.00	0.00	C
ATOM	628	N9	A B	2	11.374	-4.670	78.036	1.00	0.00	N
ATOM	629	C2'	A B	2	13.175	-3.757	76.524	1.00	0.00	C
ATOM	630	C3'	A B	2	13.773	-4.427	75.298	1.00	0.00	C
ATOM	631	O3'	A B	2	13.303	-3.764	74.127	1.00	0.00	O
ATOM	632	C4'	A B	2	13.248	-5.858	75.401	1.00	0.00	C
ATOM	633	O4'	A B	2	11.923	-5.713	76.011	1.00	0.00	O
ATOM	634	C5'	A B	2	14.064	-6.815	76.238	1.00	0.00	C
ATOM	635	O5'	A B	2	14.613	-6.117	77.383	1.00	0.00	O
ATOM	636	H2	A B	2	6.993	-3.985	78.049	1.00	0.00	H
ATOM	637	H8	A B	2	13.212	-5.165	79.077	1.00	0.00	H
ATOM	638	H1'	A B	2	11.050	-3.878	76.117	1.00	0.00	H
ATOM	639	H3'	A B	2	14.863	-4.407	75.311	1.00	0.00	H
ATOM	640	H4'	A B	2	13.208	-6.253	74.387	1.00	0.00	H
ATOM	641	H61	A B	2	7.920	-5.030	82.325	1.00	0.00	H
ATOM	642	H62	A B	2	9.680	-5.314	82.393	1.00	0.00	H

ATOM	643	H2'1	A B	2	13.795	-3.919	77.407	1.00	0.00	H
ATOM	644	H2'2	A B	2	13.080	-2.681	76.382	1.00	0.00	H
ATOM	645	H5'1	A B	2	13.423	-7.629	76.575	1.00	0.00	H
ATOM	646	H5'2	A B	2	14.870	-7.221	75.630	1.00	0.00	H
ATOM	647	C1'	C B	3	8.870	-0.552	75.757	1.00	0.00	C
ATOM	648	N1	C B	3	9.359	-0.834	77.135	1.00	0.00	N
ATOM	649	C2	C B	3	8.420	-0.887	78.162	1.00	0.00	C
ATOM	650	O2	C B	3	7.226	-0.701	77.889	1.00	0.00	O
ATOM	651	N3	C B	3	8.844	-1.143	79.422	1.00	0.00	N
ATOM	652	C4	C B	3	10.142	-1.339	79.686	1.00	0.00	C
ATOM	653	N4	C B	3	10.502	-1.588	80.938	1.00	0.00	N
ATOM	654	C5	C B	3	11.133	-1.286	78.651	1.00	0.00	C
ATOM	655	C6	C B	3	10.682	-1.031	77.385	1.00	0.00	C
ATOM	656	C2'	C B	3	9.802	0.337	74.945	1.00	0.00	C
ATOM	657	C3'	C B	3	9.651	-0.239	73.545	1.00	0.00	C
ATOM	658	O3'	C B	3	8.506	0.338	72.922	1.00	0.00	O
ATOM	659	C4'	C B	3	9.472	-1.733	73.811	1.00	0.00	C
ATOM	660	O4'	C B	3	8.749	-1.790	75.082	1.00	0.00	O
ATOM	661	C5'	C B	3	10.739	-2.547	73.938	1.00	0.00	C
ATOM	662	O5'	C B	3	11.759	-1.765	74.609	1.00	0.00	O
ATOM	663	O1P	C B	3	13.506	-1.436	72.828	1.00	0.00	O
ATOM	664	O2P	C B	3	14.166	-1.428	75.249	1.00	0.00	O
ATOM	665	P	C B	3	13.282	-1.969	74.186	1.00	0.00	P
ATOM	666	H5	C B	3	12.191	-1.438	78.860	1.00	0.00	H
ATOM	667	H6	C B	3	11.395	-0.988	76.564	1.00	0.00	H
ATOM	668	H1'	C B	3	7.875	-0.112	75.830	1.00	0.00	H
ATOM	669	H3'	C B	3	10.531	-0.052	72.930	1.00	0.00	H
ATOM	670	H4'	C B	3	8.901	-2.137	72.976	1.00	0.00	H
ATOM	671	H41	C B	3	11.494	-1.747	81.167	1.00	0.00	H
ATOM	672	H42	C B	3	9.789	-1.625	81.682	1.00	0.00	H
ATOM	673	H2'1	C B	3	10.833	0.280	75.288	1.00	0.00	H
ATOM	674	H2'2	C B	3	9.503	1.386	74.976	1.00	0.00	H
ATOM	675	H5'1	C B	3	10.529	-3.449	74.514	1.00	0.00	H
ATOM	676	H5'2	C B	3	11.084	-2.829	72.945	1.00	0.00	H
ATOM	677	C1'	C B	4	5.514	2.866	77.013	1.00	0.00	C
ATOM	678	N1	C B	4	6.735	2.663	77.841	1.00	0.00	N
ATOM	679	C2	C B	4	6.570	2.475	79.210	1.00	0.00	C
ATOM	680	O2	C B	4	5.424	2.482	79.683	1.00	0.00	O
ATOM	681	N3	C B	4	7.668	2.289	79.983	1.00	0.00	N
ATOM	682	C4	C B	4	8.896	2.285	79.444	1.00	0.00	C
ATOM	683	N4	C B	4	9.934	2.095	80.244	1.00	0.00	N
ATOM	684	C5	C B	4	9.096	2.482	78.038	1.00	0.00	C
ATOM	685	C6	C B	4	7.974	2.663	77.280	1.00	0.00	C
ATOM	686	C2'	C B	4	5.694	3.881	75.893	1.00	0.00	C
ATOM	687	C3'	C B	4	4.840	3.284	74.785	1.00	0.00	C
ATOM	688	O3'	C B	4	3.485	3.685	74.971	1.00	0.00	O
ATOM	689	C4'	C B	4	5.030	1.783	74.980	1.00	0.00	C
ATOM	690	O4'	C B	4	5.179	1.622	76.427	1.00	0.00	O
ATOM	691	C5'	C B	4	6.229	1.161	74.299	1.00	0.00	C
ATOM	692	O5'	C B	4	7.344	2.088	74.334	1.00	0.00	O
ATOM	693	O1P	C B	4	7.697	2.665	71.910	1.00	0.00	O
ATOM	694	O2P	C B	4	9.618	2.778	73.518	1.00	0.00	O
ATOM	695	P	C B	4	8.359	2.111	73.105	1.00	0.00	P
ATOM	696	H5	C B	4	10.092	2.487	77.597	1.00	0.00	H

ATOM	697	H6	C B	4	8.075	2.808	76.205	1.00	0.00	H
ATOM	698	H1'	C B	4	4.697	3.155	77.674	1.00	0.00	H
ATOM	699	H3'	C B	4	5.176	3.598	73.797	1.00	0.00	H
ATOM	700	H4'	C B	4	4.137	1.296	74.589	1.00	0.00	H
ATOM	701	H41	C B	4	10.889	2.086	79.857	1.00	0.00	H
ATOM	702	H42	C B	4	9.788	1.957	81.256	1.00	0.00	H
ATOM	703	H2'1	C B	4	6.734	3.976	75.584	1.00	0.00	H
ATOM	704	H2'2	C B	4	5.343	4.875	76.174	1.00	0.00	H
ATOM	705	H5'1	C B	4	6.497	0.241	74.816	1.00	0.00	H
ATOM	706	H5'2	C B	4	5.971	0.933	73.266	1.00	0.00	H
ATOM	707	C1'	G B	5	3.100	5.757	80.230	1.00	0.00	C
ATOM	708	N1	G B	5	7.344	5.233	83.014	1.00	0.00	N
ATOM	709	C2	G B	5	6.015	5.195	83.402	1.00	0.00	C
ATOM	710	N2	G B	5	5.788	4.991	84.705	1.00	0.00	N
ATOM	711	N3	G B	5	4.997	5.346	82.556	1.00	0.00	N
ATOM	712	C4	G B	5	5.412	5.549	81.279	1.00	0.00	C
ATOM	713	C5	G B	5	6.711	5.607	80.801	1.00	0.00	C
ATOM	714	C6	G B	5	7.792	5.442	81.695	1.00	0.00	C
ATOM	715	O6	G B	5	9.000	5.462	81.464	1.00	0.00	O
ATOM	716	N7	G B	5	6.707	5.833	79.423	1.00	0.00	N
ATOM	717	C8	G B	5	5.436	5.903	79.116	1.00	0.00	C
ATOM	718	N9	G B	5	4.588	5.739	80.191	1.00	0.00	N
ATOM	719	C2'	G B	5	2.475	6.780	79.292	1.00	0.00	C
ATOM	720	C3'	G B	5	1.219	6.059	78.828	1.00	0.00	C
ATOM	721	O3'	G B	5	0.182	6.259	79.786	1.00	0.00	O
ATOM	722	C4'	G B	5	1.670	4.601	78.758	1.00	0.00	C
ATOM	723	O4'	G B	5	2.644	4.474	79.842	1.00	0.00	O
ATOM	724	C5'	G B	5	2.320	4.160	77.469	1.00	0.00	C
ATOM	725	O5'	G B	5	3.127	5.237	76.934	1.00	0.00	O
ATOM	726	O1P	G B	5	1.943	5.848	74.797	1.00	0.00	O
ATOM	727	O2P	G B	5	4.408	6.248	75.023	1.00	0.00	O
ATOM	728	P	G B	5	3.237	5.402	75.349	1.00	0.00	P
ATOM	729	H1	G B	5	8.058	5.097	83.746	1.00	0.00	H
ATOM	730	H8	G B	5	5.080	6.074	78.101	1.00	0.00	H
ATOM	731	H1'	G B	5	2.787	5.927	81.259	1.00	0.00	H
ATOM	732	H21	G B	5	6.581	4.872	85.352	1.00	0.00	H
ATOM	733	H3'	G B	5	0.881	6.413	77.853	1.00	0.00	H
ATOM	734	H22	G B	5	4.822	4.955	85.060	1.00	0.00	H
ATOM	735	H4'	G B	5	0.782	3.988	78.911	1.00	0.00	H
ATOM	736	H2'1	G B	5	3.126	7.024	78.452	1.00	0.00	H
ATOM	737	H2'2	G B	5	2.232	7.713	79.800	1.00	0.00	H
ATOM	738	H5'1	G B	5	2.948	3.291	77.665	1.00	0.00	H
ATOM	739	H5'2	G B	5	1.545	3.889	76.752	1.00	0.00	H
ATOM	740	C1'	T B	6	2.612	8.269	84.467	1.00	0.00	C
ATOM	741	N1	T B	6	3.815	8.468	83.612	1.00	0.00	N
ATOM	742	C2	T B	6	5.047	8.360	84.225	1.00	0.00	C
ATOM	743	O2	T B	6	5.175	8.114	85.412	1.00	0.00	O
ATOM	744	N3	T B	6	6.137	8.549	83.394	1.00	0.00	N
ATOM	745	C4	T B	6	6.102	8.833	82.045	1.00	0.00	C
ATOM	746	O4	T B	6	7.147	8.987	81.404	1.00	0.00	O
ATOM	747	C5	T B	6	4.770	8.925	81.495	1.00	0.00	C
ATOM	748	C6	T B	6	3.686	8.745	82.274	1.00	0.00	C
ATOM	749	C7	T B	6	4.686	9.229	80.029	1.00	0.00	C
ATOM	750	C2'	T B	6	1.453	9.194	84.116	1.00	0.00	C

ATOM	751	C3'	T B	6	0.249	8.299	84.367	1.00	0.00	C
ATOM	752	O3'	T B	6	-0.091	8.347	85.751	1.00	0.00	O
ATOM	753	C4'	T B	6	0.754	6.922	83.943	1.00	0.00	C
ATOM	754	O4'	T B	6	2.175	6.935	84.292	1.00	0.00	O
ATOM	755	C5'	T B	6	0.621	6.579	82.477	1.00	0.00	C
ATOM	756	O5'	T B	6	0.856	7.763	81.674	1.00	0.00	O
ATOM	757	O1P	T B	6	-1.381	8.198	80.607	1.00	0.00	O
ATOM	758	O2P	T B	6	0.723	8.949	79.463	1.00	0.00	O
ATOM	759	P	T B	6	0.042	7.942	80.314	1.00	0.00	P
ATOM	760	H3	T B	6	7.069	8.471	83.827	1.00	0.00	H
ATOM	761	H6	T B	6	2.691	8.820	81.835	1.00	0.00	H
ATOM	762	H1'	T B	6	2.908	8.393	85.508	1.00	0.00	H
ATOM	763	H3'	T B	6	-0.614	8.601	83.774	1.00	0.00	H
ATOM	764	H4'	T B	6	0.182	6.186	84.509	1.00	0.00	H
ATOM	765	H71	T B	6	4.226	10.207	79.886	1.00	0.00	H
ATOM	766	H72	T B	6	5.688	9.233	79.598	1.00	0.00	H
ATOM	767	H73	T B	6	4.081	8.469	79.532	1.00	0.00	H
ATOM	768	H2'1	T B	6	1.489	9.529	83.082	1.00	0.00	H
ATOM	769	H2'2	T B	6	1.426	10.081	84.749	1.00	0.00	H
ATOM	770	H5'1	T B	6	1.348	5.809	82.221	1.00	0.00	H
ATOM	771	H5'2	T B	6	-0.384	6.201	82.288	1.00	0.00	H
ATOM	772	C1'	C B	7	4.387	10.696	88.419	1.00	0.00	C
ATOM	773	N1	C B	7	4.826	11.068	87.043	1.00	0.00	N
ATOM	774	C2	C B	7	6.194	11.154	86.797	1.00	0.00	C
ATOM	775	O2	C B	7	6.985	10.919	87.720	1.00	0.00	O
ATOM	776	N3	C B	7	6.614	11.489	85.552	1.00	0.00	N
ATOM	777	C4	C B	7	5.735	11.738	84.574	1.00	0.00	C
ATOM	778	N4	C B	7	6.201	12.059	83.376	1.00	0.00	N
ATOM	779	C5	C B	7	4.321	11.662	84.800	1.00	0.00	C
ATOM	780	C6	C B	7	3.922	11.316	86.060	1.00	0.00	C
ATOM	781	C2'	C B	7	3.142	11.435	88.885	1.00	0.00	C
ATOM	782	C3'	C B	7	2.435	10.373	89.711	1.00	0.00	C
ATOM	783	O3'	C B	7	2.969	10.374	91.032	1.00	0.00	O
ATOM	784	C4'	C B	7	2.760	9.085	88.958	1.00	0.00	C
ATOM	785	O4'	C B	7	4.100	9.310	88.418	1.00	0.00	O
ATOM	786	C5'	C B	7	1.834	8.720	87.819	1.00	0.00	C
ATOM	787	O5'	C B	7	1.407	9.924	87.133	1.00	0.00	O
ATOM	788	O1P	C B	7	-1.063	10.016	87.602	1.00	0.00	O
ATOM	789	O2P	C B	7	-0.143	11.068	85.520	1.00	0.00	O
ATOM	790	P	C B	7	-0.064	9.975	86.517	1.00	0.00	P
ATOM	791	H5	C B	7	3.603	11.869	84.007	1.00	0.00	H
ATOM	792	H6	C B	7	2.857	11.237	86.279	1.00	0.00	H
ATOM	793	H1'	C B	7	5.223	10.865	89.099	1.00	0.00	H
ATOM	794	H3'	C B	7	1.357	10.541	89.757	1.00	0.00	H
ATOM	795	H4'	C B	7	2.724	8.274	89.686	1.00	0.00	H
ATOM	796	H41	C B	7	5.546	12.252	82.603	1.00	0.00	H
ATOM	797	H42	C B	7	7.218	12.116	83.216	1.00	0.00	H
ATOM	798	H2'1	C B	7	2.523	11.769	88.054	1.00	0.00	H
ATOM	799	H2'2	C B	7	3.384	12.312	89.489	1.00	0.00	H
ATOM	800	H5'1	C B	7	2.363	8.067	87.124	1.00	0.00	H
ATOM	801	H5'2	C B	7	0.968	8.196	88.216	1.00	0.00	H
ATOM	802	C1'	C B	8	7.775	13.365	90.854	1.00	0.00	C
ATOM	803	N1	C B	8	7.296	13.793	89.511	1.00	0.00	N
ATOM	804	C2	C B	8	8.252	14.080	88.538	1.00	0.00	C

ATOM	805	O2	C B	8	9.451	13.968	88.827	1.00	0.00	O
ATOM	806	N3	C B	8	7.837	14.471	87.310	1.00	0.00	N
ATOM	807	C4	C B	8	6.532	14.584	87.026	1.00	0.00	C
ATOM	808	N4	C B	8	6.183	14.968	85.807	1.00	0.00	N
ATOM	809	C5	C B	8	5.526	14.301	88.008	1.00	0.00	C
ATOM	810	C6	C B	8	5.968	13.904	89.238	1.00	0.00	C
ATOM	811	C2'	C B	8	6.944	13.916	92.005	1.00	0.00	C
ATOM	812	C3'	C B	8	6.974	12.761	92.996	1.00	0.00	C
ATOM	813	O3'	C B	8	8.165	12.845	93.775	1.00	0.00	O
ATOM	814	C4'	C B	8	6.961	11.534	92.088	1.00	0.00	C
ATOM	815	O4'	C B	8	7.709	11.953	90.903	1.00	0.00	O
ATOM	816	C5'	C B	8	5.604	11.034	91.651	1.00	0.00	C
ATOM	817	O5'	C B	8	4.716	12.160	91.430	1.00	0.00	O
ATOM	818	O1P	C B	8	2.974	11.889	93.226	1.00	0.00	O
ATOM	819	O2P	C B	8	2.396	13.059	91.083	1.00	0.00	O
ATOM	820	P	C B	8	3.168	11.992	91.766	1.00	0.00	P
ATOM	821	H5	C B	8	4.463	14.399	87.784	1.00	0.00	H
ATOM	822	H6	C B	8	5.240	13.671	90.016	1.00	0.00	H
ATOM	823	H1'	C B	8	8.821	13.658	90.952	1.00	0.00	H
ATOM	824	H3'	C B	8	6.107	12.770	93.658	1.00	0.00	H
ATOM	825	H4'	C B	8	7.448	10.729	92.639	1.00	0.00	H
ATOM	826	H41	C B	8	5.186	15.060	85.561	1.00	0.00	H
ATOM	827	H42	C B	8	6.908	15.173	85.102	1.00	0.00	H
ATOM	828	H2'1	C B	8	5.923	14.152	91.703	1.00	0.00	H
ATOM	829	H2'2	C B	8	7.378	14.820	92.434	1.00	0.00	H
ATOM	830	H5'1	C B	8	5.712	10.465	90.729	1.00	0.00	H
ATOM	831	H5'2	C B	8	5.193	10.389	92.427	1.00	0.00	H
ATOM	832	C1'	T B	9	11.587	16.505	91.168	1.00	0.00	C
ATOM	833	N1	T B	9	10.392	16.860	90.358	1.00	0.00	N
ATOM	834	C2	T B	9	10.610	17.274	89.059	1.00	0.00	C
ATOM	835	O2	T B	9	11.724	17.355	88.573	1.00	0.00	O
ATOM	836	N3	T B	9	9.473	17.592	88.343	1.00	0.00	N
ATOM	837	C4	T B	9	8.172	17.538	88.799	1.00	0.00	C
ATOM	838	O4	T B	9	7.230	17.852	88.062	1.00	0.00	O
ATOM	839	C5	T B	9	8.044	17.092	90.167	1.00	0.00	C
ATOM	840	C6	T B	9	9.132	16.774	90.895	1.00	0.00	C
ATOM	841	C7	T B	9	6.645	17.016	90.704	1.00	0.00	C
ATOM	842	C2'	T B	9	11.488	16.928	92.629	1.00	0.00	C
ATOM	843	C3'	T B	9	12.208	15.791	93.338	1.00	0.00	C
ATOM	844	O3'	T B	9	13.610	16.047	93.330	1.00	0.00	O
ATOM	845	C4'	T B	9	11.835	14.574	92.494	1.00	0.00	C
ATOM	846	O4'	T B	9	11.734	15.099	91.132	1.00	0.00	O
ATOM	847	C5'	T B	9	10.538	13.884	92.845	1.00	0.00	C
ATOM	848	O5'	T B	9	9.553	14.869	93.247	1.00	0.00	O
ATOM	849	O1P	T B	9	9.166	14.349	95.679	1.00	0.00	O
ATOM	850	O2P	T B	9	7.349	15.424	94.321	1.00	0.00	O
ATOM	851	P	T B	9	8.491	14.478	94.371	1.00	0.00	P
ATOM	852	H3	T B	9	9.608	17.900	87.370	1.00	0.00	H
ATOM	853	H6	T B	9	9.009	16.442	91.926	1.00	0.00	H
ATOM	854	H1'	T B	9	12.465	16.945	90.694	1.00	0.00	H
ATOM	855	H3'	T B	9	11.868	15.676	94.367	1.00	0.00	H
ATOM	856	H4'	T B	9	12.641	13.849	92.612	1.00	0.00	H
ATOM	857	H71	T B	9	6.521	17.749	91.500	1.00	0.00	H
ATOM	858	H72	T B	9	5.936	17.225	89.903	1.00	0.00	H

ATOM	859	H73	T B	9	6.462	16.016	91.098	1.00	0.00	H
ATOM	860	H2'1	T B	9	10.456	17.015	92.964	1.00	0.00	H
ATOM	861	H2'2	T B	9	11.976	17.885	92.816	1.00	0.00	H
ATOM	862	H5'1	T B	9	10.177	13.334	91.976	1.00	0.00	H
ATOM	863	H5'2	T B	9	10.714	13.187	93.662	1.00	0.00	H
ATOM	864	C1'	A B	10	14.475	20.179	89.496	1.00	0.00	C
ATOM	865	N1	A B	10	10.279	21.525	86.865	1.00	0.00	N
ATOM	866	C2	A B	10	11.567	21.469	86.537	1.00	0.00	C
ATOM	867	N3	A B	10	12.601	21.109	87.265	1.00	0.00	N
ATOM	868	C4	A B	10	12.203	20.771	88.505	1.00	0.00	C
ATOM	869	C5	A B	10	10.927	20.774	89.000	1.00	0.00	C
ATOM	870	C6	A B	10	9.912	21.181	88.110	1.00	0.00	C
ATOM	871	N6	A B	10	8.613	21.233	88.453	1.00	0.00	N
ATOM	872	N7	A B	10	10.902	20.362	90.321	1.00	0.00	N
ATOM	873	C8	A B	10	12.151	20.126	90.597	1.00	0.00	C
ATOM	874	N9	A B	10	12.998	20.348	89.542	1.00	0.00	N
ATOM	875	C2'	A B	10	15.179	20.583	90.784	1.00	0.00	C
ATOM	876	C3'	A B	10	16.310	19.570	90.861	1.00	0.00	C
ATOM	877	O3'	A B	10	17.407	20.033	90.076	1.00	0.00	O
ATOM	878	C4'	A B	10	15.675	18.309	90.275	1.00	0.00	C
ATOM	879	O4'	A B	10	14.744	18.809	89.263	1.00	0.00	O
ATOM	880	C5'	A B	10	14.914	17.431	91.241	1.00	0.00	C
ATOM	881	O5'	A B	10	14.224	18.257	92.213	1.00	0.00	O
ATOM	882	O1P	A B	10	15.372	17.688	94.380	1.00	0.00	O
ATOM	883	O2P	A B	10	12.989	18.476	94.392	1.00	0.00	O
ATOM	884	P	A B	10	14.061	17.714	93.705	1.00	0.00	P
ATOM	885	H2	A B	10	11.798	21.765	85.514	1.00	0.00	H
ATOM	886	H8	A B	10	12.490	19.782	91.573	1.00	0.00	H
ATOM	887	H1'	A B	10	14.857	20.747	88.647	1.00	0.00	H
ATOM	888	H3'	A B	10	16.641	19.405	91.885	1.00	0.00	H
ATOM	889	H4'	A B	10	16.484	17.714	89.852	1.00	0.00	H
ATOM	890	H61	A B	10	7.910	21.534	87.764	1.00	0.00	H
ATOM	891	H62	A B	10	8.322	20.971	89.407	1.00	0.00	H
ATOM	892	H2'1	A B	10	14.526	20.514	91.653	1.00	0.00	H
ATOM	893	H2'2	A B	10	15.563	21.604	90.742	1.00	0.00	H
ATOM	894	H5'1	A B	10	14.190	16.833	90.687	1.00	0.00	H
ATOM	895	H5'2	A B	10	15.612	16.770	91.750	1.00	0.00	H
ATOM	896	C1'	G B	11	15.380	24.238	86.785	1.00	0.00	C
ATOM	897	N1	G B	11	10.339	24.933	87.147	1.00	0.00	N
ATOM	898	C2	G B	11	11.183	25.092	86.062	1.00	0.00	C
ATOM	899	N2	G B	11	10.605	25.490	84.922	1.00	0.00	N
ATOM	900	N3	G B	11	12.494	24.870	86.110	1.00	0.00	N
ATOM	901	C4	G B	11	12.906	24.480	87.344	1.00	0.00	C
ATOM	902	C5	G B	11	12.142	24.300	88.483	1.00	0.00	C
ATOM	903	C6	G B	11	10.748	24.532	88.434	1.00	0.00	C
ATOM	904	O6	G B	11	9.911	24.428	89.331	1.00	0.00	O
ATOM	905	N7	G B	11	12.950	23.894	89.548	1.00	0.00	N
ATOM	906	C8	G B	11	14.152	23.839	89.032	1.00	0.00	C
ATOM	907	N9	G B	11	14.206	24.184	87.697	1.00	0.00	N
ATOM	908	C2'	G B	11	16.650	24.752	87.450	1.00	0.00	C
ATOM	909	C3'	G B	11	17.724	23.920	86.771	1.00	0.00	C
ATOM	910	O3'	G B	11	18.084	24.540	85.537	1.00	0.00	O
ATOM	911	C4'	G B	11	17.031	22.575	86.560	1.00	0.00	C
ATOM	912	O4'	G B	11	15.631	22.926	86.324	1.00	0.00	O

ATOM	913	C5'	G B	11	17.099	21.599	87.711	1.00	0.00	C
ATOM	914	O5'	G B	11	17.016	22.316	88.967	1.00	0.00	O
ATOM	915	O1P	G B	11	19.277	21.936	90.004	1.00	0.00	O
ATOM	916	O2P	G B	11	17.281	22.355	91.465	1.00	0.00	O
ATOM	917	P	G B	11	17.829	21.760	90.223	1.00	0.00	P
ATOM	918	H1	G B	11	9.337	25.125	87.003	1.00	0.00	H
ATOM	919	H8	G B	11	15.030	23.551	89.607	1.00	0.00	H
ATOM	920	H1'	G B	11	15.115	24.852	85.923	1.00	0.00	H
ATOM	921	H21	G B	11	9.589	25.657	84.889	1.00	0.00	H
ATOM	922	H3'	G B	11	18.613	23.811	87.392	1.00	0.00	H
ATOM	923	H22	G B	11	11.177	25.630	84.076	1.00	0.00	H
ATOM	924	H4'	G B	11	17.505	22.106	85.696	1.00	0.00	H
ATOM	925	H2'1	G B	11	16.645	24.589	88.529	1.00	0.00	H
ATOM	926	H2'2	G B	11	16.804	25.816	87.279	1.00	0.00	H
ATOM	927	H5'1	G B	11	16.269	20.895	87.632	1.00	0.00	H
ATOM	928	H5'2	G B	11	18.040	21.051	87.659	1.00	0.00	H
ATOM	929	C1'	G B	12	14.086	28.375	84.389	1.00	0.00	C
ATOM	930	N1	G B	12	10.127	28.321	87.607	1.00	0.00	N
ATOM	931	C2	G B	12	10.167	28.599	86.251	1.00	0.00	C
ATOM	932	N2	G B	12	8.995	28.905	85.677	1.00	0.00	N
ATOM	933	N3	G B	12	11.284	28.573	85.526	1.00	0.00	N
ATOM	934	C4	G B	12	12.374	28.252	86.272	1.00	0.00	C
ATOM	935	C5	G B	12	12.431	27.963	87.624	1.00	0.00	C
ATOM	936	C6	G B	12	11.245	27.987	88.393	1.00	0.00	C
ATOM	937	O6	G B	12	11.094	27.764	89.594	1.00	0.00	O
ATOM	938	N7	G B	12	13.744	27.684	88.004	1.00	0.00	N
ATOM	939	C8	G B	12	14.428	27.806	86.895	1.00	0.00	C
ATOM	940	N9	G B	12	13.665	28.150	85.798	1.00	0.00	N
ATOM	941	C2'	G B	12	15.433	29.071	84.255	1.00	0.00	C
ATOM	942	C3'	G B	12	16.015	28.405	83.019	1.00	0.00	C
ATOM	943	O3'	G B	12	15.524	29.067	81.856	1.00	0.00	O
ATOM	944	C4'	G B	12	15.497	26.973	83.130	1.00	0.00	C
ATOM	945	O4'	G B	12	14.185	27.112	83.762	1.00	0.00	O
ATOM	946	C5'	G B	12	16.331	26.020	83.955	1.00	0.00	C
ATOM	947	O5'	G B	12	16.897	26.720	85.090	1.00	0.00	O
ATOM	948	O1P	G B	12	19.370	26.680	84.623	1.00	0.00	O
ATOM	949	O2P	G B	12	18.542	26.805	86.988	1.00	0.00	O
ATOM	950	P	G B	12	18.345	26.293	85.610	1.00	0.00	P
ATOM	951	H1	G B	12	9.208	28.363	88.074	1.00	0.00	H
ATOM	952	H8	G B	12	15.505	27.650	86.840	1.00	0.00	H
ATOM	953	H1'	G B	12	13.302	28.940	83.885	1.00	0.00	H
ATOM	954	H21	G B	12	8.135	28.919	86.242	1.00	0.00	H
ATOM	955	H3'	G B	12	17.105	28.430	83.015	1.00	0.00	H
ATOM	956	H22	G B	12	8.958	29.125	84.672	1.00	0.00	H
ATOM	957	H4'	G B	12	15.442	26.576	82.117	1.00	0.00	H
ATOM	958	H2'1	G B	12	16.069	28.913	85.127	1.00	0.00	H
ATOM	959	H2'2	G B	12	15.331	30.147	84.116	1.00	0.00	H
ATOM	960	H5'1	G B	12	15.700	25.202	84.303	1.00	0.00	H
ATOM	961	H5'2	G B	12	17.131	25.616	83.333	1.00	0.00	H
ATOM	962	C1'	T B	13	11.171	32.271	83.482	1.00	0.00	C
ATOM	963	N1	T B	13	11.637	31.992	84.866	1.00	0.00	N
ATOM	964	C2	T B	13	10.678	31.947	85.858	1.00	0.00	C
ATOM	965	O2	T B	13	9.493	32.126	85.637	1.00	0.00	O
ATOM	966	N3	T B	13	11.155	31.685	87.128	1.00	0.00	N

ATOM	967	C4	T B	13	12.471	31.471	87.485	1.00	0.00	C
ATOM	968	O4	T B	13	12.779	31.248	88.661	1.00	0.00	O
ATOM	969	C5	T B	13	13.401	31.536	86.381	1.00	0.00	C
ATOM	970	C6	T B	13	12.970	31.790	85.129	1.00	0.00	C
ATOM	971	C7	T B	13	14.843	31.308	86.721	1.00	0.00	C
ATOM	972	C2'	T B	13	12.119	33.155	82.680	1.00	0.00	C
ATOM	973	C3'	T B	13	11.985	32.574	81.280	1.00	0.00	C
ATOM	974	O3'	T B	13	10.853	33.156	80.639	1.00	0.00	O
ATOM	975	C4'	T B	13	11.797	31.083	81.546	1.00	0.00	C
ATOM	976	O4'	T B	13	11.055	31.033	82.807	1.00	0.00	O
ATOM	977	C5'	T B	13	13.058	30.262	81.695	1.00	0.00	C
ATOM	978	O5'	T B	13	14.071	31.042	82.379	1.00	0.00	O
ATOM	979	O1P	T B	13	15.845	31.359	80.622	1.00	0.00	O
ATOM	980	O2P	T B	13	16.470	31.370	83.053	1.00	0.00	O
ATOM	981	P	T B	13	15.600	30.830	81.979	1.00	0.00	P
ATOM	982	H3	T B	13	10.458	31.643	87.886	1.00	0.00	H
ATOM	983	H6	T B	13	13.690	31.834	84.312	1.00	0.00	H
ATOM	984	H1'	T B	13	10.178	32.716	83.538	1.00	0.00	H
ATOM	985	H3'	T B	13	12.875	32.758	80.678	1.00	0.00	H
ATOM	986	H4'	T B	13	11.235	30.679	80.704	1.00	0.00	H
ATOM	987	H71	T B	13	15.408	32.223	86.545	1.00	0.00	H
ATOM	988	H72	T B	13	14.927	31.026	87.772	1.00	0.00	H
ATOM	989	H73	T B	13	15.242	30.508	86.097	1.00	0.00	H
ATOM	990	H2'1	T B	13	13.145	33.093	83.039	1.00	0.00	H
ATOM	991	H2'2	T B	13	11.826	34.204	82.704	1.00	0.00	H
ATOM	992	H5'1	T B	13	12.833	29.362	82.268	1.00	0.00	H
ATOM	993	H5'2	T B	13	13.416	29.978	80.707	1.00	0.00	H
ATOM	994	C1'	G B	14	7.802	35.688	84.758	1.00	0.00	C
ATOM	995	N1	G B	14	9.579	34.881	89.471	1.00	0.00	N
ATOM	996	C2	G B	14	8.278	35.036	89.029	1.00	0.00	C
ATOM	997	N2	G B	14	7.324	34.971	89.964	1.00	0.00	N
ATOM	998	N3	G B	14	7.956	35.241	87.752	1.00	0.00	N
ATOM	999	C4	G B	14	9.048	35.286	86.943	1.00	0.00	C
ATOM	1000	C5	G B	14	10.379	35.146	87.297	1.00	0.00	C
ATOM	1001	C6	G B	14	10.723	34.924	88.650	1.00	0.00	C
ATOM	1002	O6	G B	14	11.838	34.777	89.154	1.00	0.00	O
ATOM	1003	N7	G B	14	11.193	35.258	86.166	1.00	0.00	N
ATOM	1004	C8	G B	14	10.348	35.455	85.187	1.00	0.00	C
ATOM	1005	N9	G B	14	9.025	35.486	85.581	1.00	0.00	N
ATOM	1006	C2'	G B	14	7.978	36.699	83.633	1.00	0.00	C
ATOM	1007	C3'	G B	14	7.118	36.103	82.531	1.00	0.00	C
ATOM	1008	O3'	G B	14	5.765	36.504	82.722	1.00	0.00	O
ATOM	1009	C4'	G B	14	7.309	34.598	82.730	1.00	0.00	C
ATOM	1010	O4'	G B	14	7.465	34.444	84.175	1.00	0.00	O
ATOM	1011	C5'	G B	14	8.503	33.977	82.045	1.00	0.00	C
ATOM	1012	O5'	G B	14	9.620	34.899	82.073	1.00	0.00	O
ATOM	1013	O1P	G B	14	9.963	35.472	79.646	1.00	0.00	O
ATOM	1014	O2P	G B	14	11.892	35.584	81.246	1.00	0.00	O
ATOM	1015	P	G B	14	10.631	34.919	80.839	1.00	0.00	P
ATOM	1016	H1	G B	14	9.722	34.720	90.481	1.00	0.00	H
ATOM	1017	H8	G B	14	10.663	35.584	84.151	1.00	0.00	H
ATOM	1018	H1'	G B	14	6.987	35.979	85.421	1.00	0.00	H
ATOM	1019	H21	G B	14	7.583	34.809	90.949	1.00	0.00	H
ATOM	1020	H3'	G B	14	7.452	36.413	81.541	1.00	0.00	H

ATOM	1021	H22	G B	14	6.335	35.083	89.700	1.00	0.00	H
ATOM	1022	H4'	G B	14	6.413	34.113	82.343	1.00	0.00	H
ATOM	1023	H2'1	G B	14	9.017	36.792	83.321	1.00	0.00	H
ATOM	1024	H2'2	G B	14	7.630	37.693	83.913	1.00	0.00	H
ATOM	1025	H5'1	G B	14	8.772	33.057	82.562	1.00	0.00	H
ATOM	1026	H5'2	G B	14	8.242	33.745	81.013	1.00	0.00	H
ATOM	1027	C1'	C B	15	5.386	38.578	87.974	1.00	0.00	C
ATOM	1028	N1	C B	15	6.874	38.559	87.942	1.00	0.00	N
ATOM	1029	C2	C B	15	7.551	38.352	89.143	1.00	0.00	C
ATOM	1030	O2	C B	15	6.892	38.192	90.179	1.00	0.00	O
ATOM	1031	N3	C B	15	8.906	38.331	89.135	1.00	0.00	N
ATOM	1032	C4	C B	15	9.591	38.508	87.998	1.00	0.00	C
ATOM	1033	N4	C B	15	10.913	38.475	88.048	1.00	0.00	N
ATOM	1034	C5	C B	15	8.921	38.728	86.749	1.00	0.00	C
ATOM	1035	C6	C B	15	7.557	38.739	86.779	1.00	0.00	C
ATOM	1036	C2'	C B	15	4.766	39.605	87.038	1.00	0.00	C
ATOM	1037	C3'	C B	15	3.510	38.885	86.566	1.00	0.00	C
ATOM	1038	O3'	C B	15	2.470	39.084	87.521	1.00	0.00	O
ATOM	1039	C4'	C B	15	3.960	37.428	86.495	1.00	0.00	C
ATOM	1040	O4'	C B	15	4.932	37.296	87.580	1.00	0.00	O
ATOM	1041	C5'	C B	15	4.616	36.990	85.205	1.00	0.00	C
ATOM	1042	O5'	C B	15	5.425	38.069	84.677	1.00	0.00	O
ATOM	1043	O1P	C B	15	4.250	38.687	82.537	1.00	0.00	O
ATOM	1044	O2P	C B	15	6.716	39.085	82.773	1.00	0.00	O
ATOM	1045	P	C B	15	5.542	38.238	83.095	1.00	0.00	P
ATOM	1046	H5	C B	15	9.476	38.878	85.822	1.00	0.00	H
ATOM	1047	H6	C B	15	7.003	38.896	85.854	1.00	0.00	H
ATOM	1048	H1'	C B	15	5.070	38.745	89.004	1.00	0.00	H
ATOM	1049	H3'	C B	15	3.178	39.243	85.591	1.00	0.00	H
ATOM	1050	H4'	C B	15	3.071	36.814	86.641	1.00	0.00	H
ATOM	1051	H41	C B	15	11.466	38.605	87.186	1.00	0.00	H
ATOM	1052	H42	C B	15	11.393	38.319	88.948	1.00	0.00	H
ATOM	1053	H2'1	C B	15	5.419	39.852	86.203	1.00	0.00	H
ATOM	1054	H2'2	C B	15	4.521	40.536	87.549	1.00	0.00	H
ATOM	1055	H5'1	C B	15	5.243	36.119	85.400	1.00	0.00	H
ATOM	1056	H5'2	C B	15	3.844	36.723	84.484	1.00	0.00	H
ATOM	1057	C1'	G B	16	4.924	41.090	92.216	1.00	0.00	C
ATOM	1058	N1	G B	16	10.021	41.204	92.044	1.00	0.00	N
ATOM	1059	C2	G B	16	9.173	40.972	93.114	1.00	0.00	C
ATOM	1060	N2	G B	16	9.763	40.742	94.293	1.00	0.00	N
ATOM	1061	N3	G B	16	7.845	40.969	93.012	1.00	0.00	N
ATOM	1062	C4	G B	16	7.423	41.227	91.746	1.00	0.00	C
ATOM	1063	C5	G B	16	8.193	41.475	90.622	1.00	0.00	C
ATOM	1064	C6	G B	16	9.604	41.474	90.728	1.00	0.00	C
ATOM	1065	O6	G B	16	10.446	41.670	89.853	1.00	0.00	O
ATOM	1066	N7	G B	16	7.372	41.696	89.514	1.00	0.00	N
ATOM	1067	C8	G B	16	6.159	41.574	89.990	1.00	0.00	C
ATOM	1068	N9	G B	16	6.109	41.292	91.340	1.00	0.00	N
ATOM	1069	C2'	G B	16	3.754	42.007	91.888	1.00	0.00	C
ATOM	1070	C3'	G B	16	2.559	41.109	92.161	1.00	0.00	C
ATOM	1071	O3'	G B	16	2.245	41.156	93.550	1.00	0.00	O
ATOM	1072	C4'	G B	16	3.063	39.733	91.728	1.00	0.00	C
ATOM	1073	O4'	G B	16	4.489	39.754	92.052	1.00	0.00	O
ATOM	1074	C5'	G B	16	2.903	39.389	90.266	1.00	0.00	C

ATOM	1075	O5'	G B	16	3.118	40.572	89.458	1.00	0.00	O
ATOM	1076	O1P	G B	16	0.860	40.995	88.432	1.00	0.00	O
ATOM	1077	O2P	G B	16	2.937	41.754	87.249	1.00	0.00	O
ATOM	1078	P	G B	16	2.278	40.746	88.113	1.00	0.00	P
ATOM	1079	H1	G B	16	11.035	41.177	92.228	1.00	0.00	H
ATOM	1080	H8	G B	16	5.268	41.689	89.374	1.00	0.00	H
ATOM	1081	H1'	G B	16	5.239	41.214	93.252	1.00	0.00	H
ATOM	1082	H21	G B	16	10.790	40.742	94.364	1.00	0.00	H
ATOM	1083	H3'	G B	16	1.683	41.406	91.583	1.00	0.00	H
ATOM	1084	H22	G B	16	9.186	40.564	95.129	1.00	0.00	H
ATOM	1085	H4'	G B	16	2.505	38.995	92.307	1.00	0.00	H
ATOM	1086	H2'1	G B	16	3.769	42.344	90.851	1.00	0.00	H
ATOM	1087	H2'2	G B	16	3.736	42.896	92.519	1.00	0.00	H
ATOM	1088	H5'1	G B	16	3.630	38.622	89.999	1.00	0.00	H
ATOM	1089	H5'2	G B	16	1.897	39.005	90.098	1.00	0.00	H
ATOM	1090	C1'	G B	17	6.675	43.517	96.162	1.00	0.00	C
ATOM	1091	N1	G B	17	10.692	44.381	93.135	1.00	0.00	N
ATOM	1092	C2	G B	17	10.645	44.029	94.474	1.00	0.00	C
ATOM	1093	N2	G B	17	11.828	43.890	95.086	1.00	0.00	N
ATOM	1094	N3	G B	17	9.512	43.831	95.144	1.00	0.00	N
ATOM	1095	C4	G B	17	8.414	44.021	94.368	1.00	0.00	C
ATOM	1096	C5	G B	17	8.362	44.375	93.032	1.00	0.00	C
ATOM	1097	C6	G B	17	9.563	44.582	92.317	1.00	0.00	C
ATOM	1098	O6	G B	17	9.721	44.898	91.137	1.00	0.00	O
ATOM	1099	N7	G B	17	7.035	44.470	92.608	1.00	0.00	N
ATOM	1100	C8	G B	17	6.340	44.174	93.675	1.00	0.00	C
ATOM	1101	N9	G B	17	7.107	43.890	94.787	1.00	0.00	N
ATOM	1102	C2'	G B	17	5.428	44.252	96.632	1.00	0.00	C
ATOM	1103	C3'	G B	17	4.725	43.188	97.461	1.00	0.00	C
ATOM	1104	O3'	G B	17	5.263	43.192	98.780	1.00	0.00	O
ATOM	1105	C4'	G B	17	5.053	41.900	96.707	1.00	0.00	C
ATOM	1106	O4'	G B	17	6.391	42.132	96.165	1.00	0.00	O
ATOM	1107	C5'	G B	17	4.129	41.533	95.572	1.00	0.00	C
ATOM	1108	O5'	G B	17	3.694	42.732	94.884	1.00	0.00	O
ATOM	1109	O1P	G B	17	1.224	42.815	95.362	1.00	0.00	O
ATOM	1110	O2P	G B	17	2.134	43.870	93.275	1.00	0.00	O
ATOM	1111	P	G B	17	2.221	42.777	94.274	1.00	0.00	P
ATOM	1112	H1	G B	17	11.622	44.505	92.708	1.00	0.00	H
ATOM	1113	H8	G B	17	5.251	44.153	93.688	1.00	0.00	H
ATOM	1114	H1'	G B	17	7.510	43.691	96.840	1.00	0.00	H
ATOM	1115	H21	G B	17	12.701	44.043	94.560	1.00	0.00	H
ATOM	1116	H3'	G B	17	3.649	43.352	97.509	1.00	0.00	H
ATOM	1117	H22	G B	17	11.863	43.633	96.082	1.00	0.00	H
ATOM	1118	H4'	G B	17	5.025	41.090	97.436	1.00	0.00	H
ATOM	1119	H2'1	G B	17	4.804	44.584	95.802	1.00	0.00	H
ATOM	1120	H2'2	G B	17	5.666	45.130	97.232	1.00	0.00	H
ATOM	1121	H5'1	G B	17	4.657	40.880	94.877	1.00	0.00	H
ATOM	1122	H5'2	G B	17	3.262	41.004	95.973	1.00	0.00	H
ATOM	1123	C1'	C B	18	10.062	46.187	98.598	1.00	0.00	C
ATOM	1124	N1	C B	18	9.582	46.615	97.255	1.00	0.00	N
ATOM	1125	C2	C B	18	10.539	46.900	96.282	1.00	0.00	C
ATOM	1126	O2	C B	18	11.737	46.788	96.571	1.00	0.00	O
ATOM	1127	N3	C B	18	10.123	47.292	95.053	1.00	0.00	N
ATOM	1128	C4	C B	18	8.818	47.404	94.773	1.00	0.00	C

ATOM	1129	N4	C B	18	8.469	47.790	93.553	1.00	0.00	N
ATOM	1130	C5	C B	18	7.816	47.119	95.754	1.00	0.00	C
ATOM	1131	C6	C B	18	8.255	46.726	96.982	1.00	0.00	C
ATOM	1132	C2'	C B	18	9.230	46.737	99.750	1.00	0.00	C
ATOM	1133	C3'	C B	18	9.260	45.583	100.741	1.00	0.00	C
ATOM	1134	O3'	C B	18	10.452	45.666	101.520	1.00	0.00	O
ATOM	1135	C4'	C B	18	9.249	44.356	99.833	1.00	0.00	C
ATOM	1136	O4'	C B	18	9.997	44.774	98.647	1.00	0.00	O
ATOM	1137	C5'	C B	18	7.891	43.855	99.396	1.00	0.00	C
ATOM	1138	O5'	C B	18	7.005	44.981	99.175	1.00	0.00	O
ATOM	1139	O1P	C B	18	5.260	44.709	100.969	1.00	0.00	O
ATOM	1140	O2P	C B	18	4.683	45.881	98.825	1.00	0.00	O
ATOM	1141	P	C B	18	5.455	44.814	99.509	1.00	0.00	P
ATOM	1142	H5	C B	18	6.752	47.215	95.530	1.00	0.00	H
ATOM	1143	H6	C B	18	7.529	46.494	97.760	1.00	0.00	H
ATOM	1144	H1'	C B	18	11.106	46.479	98.696	1.00	0.00	H
ATOM	1145	H3'	C B	18	8.395	45.591	101.402	1.00	0.00	H
ATOM	1146	H4'	C B	18	9.736	43.549	100.383	1.00	0.00	H
ATOM	1147	H41	C B	18	7.472	47.883	93.310	1.00	0.00	H
ATOM	1148	H42	C B	18	9.193	47.994	92.850	1.00	0.00	H
ATOM	1149	H2'1	C B	18	8.211	46.974	99.448	1.00	0.00	H
ATOM	1150	H2'2	C B	18	9.664	47.641	100.177	1.00	0.00	H
ATOM	1151	H5'1	C B	18	7.999	43.285	98.472	1.00	0.00	H
ATOM	1152	H5'2	C B	18	7.482	43.210	100.170	1.00	0.00	H
ATOM	1153	C1'	C B	19	13.875	49.333	98.892	1.00	0.00	C
ATOM	1154	N1	C B	19	12.665	49.682	98.097	1.00	0.00	N
ATOM	1155	C2	C B	19	12.846	50.103	96.781	1.00	0.00	C
ATOM	1156	O2	C B	19	13.996	50.168	96.328	1.00	0.00	O
ATOM	1157	N3	C B	19	11.757	50.424	96.043	1.00	0.00	N
ATOM	1158	C4	C B	19	10.524	50.344	96.562	1.00	0.00	C
ATOM	1159	N4	C B	19	9.497	50.669	95.796	1.00	0.00	N
ATOM	1160	C5	C B	19	10.311	49.917	97.912	1.00	0.00	C
ATOM	1161	C6	C B	19	11.421	49.596	98.636	1.00	0.00	C
ATOM	1162	C2'	C B	19	13.794	49.758	100.349	1.00	0.00	C
ATOM	1163	C3'	C B	19	14.530	48.623	101.050	1.00	0.00	C
ATOM	1164	O3'	C B	19	15.930	48.883	101.019	1.00	0.00	O
ATOM	1165	C4'	C B	19	14.148	47.405	100.213	1.00	0.00	C
ATOM	1166	O4'	C B	19	14.024	47.926	98.851	1.00	0.00	O
ATOM	1167	C5'	C B	19	12.859	46.710	100.583	1.00	0.00	C
ATOM	1168	O5'	C B	19	11.875	47.691	100.999	1.00	0.00	O
ATOM	1169	O1P	C B	19	11.528	47.172	103.437	1.00	0.00	O
ATOM	1170	O2P	C B	19	9.688	48.239	102.106	1.00	0.00	O
ATOM	1171	P	C B	19	10.834	47.298	102.139	1.00	0.00	P
ATOM	1172	H5	C B	19	9.311	49.851	98.341	1.00	0.00	H
ATOM	1173	H6	C B	19	11.307	49.264	99.667	1.00	0.00	H
ATOM	1174	H1'	C B	19	14.743	49.777	98.401	1.00	0.00	H
ATOM	1175	H3'	C B	19	14.205	48.507	102.085	1.00	0.00	H
ATOM	1176	H4'	C B	19	14.959	46.682	100.320	1.00	0.00	H
ATOM	1177	H41	C B	19	8.537	50.616	96.169	1.00	0.00	H
ATOM	1178	H42	C B	19	9.653	50.977	94.824	1.00	0.00	H
ATOM	1179	H2'1	C B	19	12.767	49.841	100.701	1.00	0.00	H
ATOM	1180	H2'2	C B	19	14.282	50.716	100.529	1.00	0.00	H
ATOM	1181	H5'1	C B	19	12.488	46.159	99.721	1.00	0.00	H
ATOM	1182	H5'2	C B	19	13.050	46.013	101.399	1.00	0.00	H

ATOM	1183	C1'	T B	20	16.760	53.000	97.241	1.00	0.00	C
ATOM	1184	N1	T B	20	15.285	53.173	97.286	1.00	0.00	N
ATOM	1185	C2	T B	20	14.666	53.610	96.133	1.00	0.00	C
ATOM	1186	O2	T B	20	15.278	53.853	95.106	1.00	0.00	O
ATOM	1187	N3	T B	20	13.295	53.757	96.219	1.00	0.00	N
ATOM	1188	C4	T B	20	12.511	53.512	97.325	1.00	0.00	C
ATOM	1189	O4	T B	20	11.285	53.681	97.282	1.00	0.00	O
ATOM	1190	C5	T B	20	13.244	53.057	98.480	1.00	0.00	C
ATOM	1191	C6	T B	20	14.583	52.903	98.434	1.00	0.00	C
ATOM	1192	C7	T B	20	12.430	52.777	99.709	1.00	0.00	C
ATOM	1193	C2'	T B	20	17.466	53.409	98.529	1.00	0.00	C
ATOM	1194	C3'	T B	20	18.595	52.391	98.608	1.00	0.00	C
ATOM	1195	O3'	T B	20	19.695	52.850	97.826	1.00	0.00	O
ATOM	1196	C4'	T B	20	17.958	51.131	98.027	1.00	0.00	C
ATOM	1197	O4'	T B	20	17.030	51.630	97.013	1.00	0.00	O
ATOM	1198	C5'	T B	20	17.192	50.258	98.995	1.00	0.00	C
ATOM	1199	O5'	T B	20	16.504	51.088	99.965	1.00	0.00	O
ATOM	1200	O1P	T B	20	17.650	50.523	102.132	1.00	0.00	O
ATOM	1201	O2P	T B	20	15.269	51.316	102.140	1.00	0.00	O
ATOM	1202	P	T B	20	16.338	50.550	101.455	1.00	0.00	P
ATOM	1203	H3	T B	20	12.809	54.082	95.372	1.00	0.00	H
ATOM	1204	H6	T B	20	15.115	52.559	99.320	1.00	0.00	H
ATOM	1205	H1'	T B	20	17.146	53.563	96.390	1.00	0.00	H
ATOM	1206	H3'	T B	20	18.925	52.229	99.633	1.00	0.00	H
ATOM	1207	H4'	T B	20	18.767	50.533	97.608	1.00	0.00	H
ATOM	1208	H3T	T B	20	19.997	53.739	98.029	1.00	0.00	H
ATOM	1209	H71	T B	20	12.697	53.486	100.492	1.00	0.00	H
ATOM	1210	H72	T B	20	11.370	52.878	99.472	1.00	0.00	H
ATOM	1211	H73	T B	20	12.629	51.762	100.055	1.00	0.00	H
ATOM	1212	H2'1	T B	20	16.812	53.343	99.395	1.00	0.00	H
ATOM	1213	H2'2	T B	20	17.851	54.427	98.485	1.00	0.00	H
ATOM	1214	H5'1	T B	20	16.470	49.659	98.442	1.00	0.00	H
ATOM	1215	H5'2	T B	20	17.889	49.595	99.506	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	36.234	31.773	111.676	1.00	0.00	C
ATOM	2	N1	A A	1	33.438	30.617	115.821	1.00	0.00	N
ATOM	3	C2	A A	1	34.590	30.144	115.353	1.00	0.00	C
ATOM	4	N3	A A	1	35.261	30.492	114.276	1.00	0.00	N
ATOM	5	C4	A A	1	34.609	31.463	113.614	1.00	0.00	C
ATOM	6	C5	A A	1	33.423	32.051	113.957	1.00	0.00	C
ATOM	7	C6	A A	1	32.811	31.587	115.139	1.00	0.00	C
ATOM	8	N6	A A	1	31.645	32.070	115.603	1.00	0.00	N
ATOM	9	N7	A A	1	33.060	33.017	113.034	1.00	0.00	N
ATOM	10	C8	A A	1	34.021	32.990	112.160	1.00	0.00	C
ATOM	11	N9	A A	1	34.998	32.073	112.446	1.00	0.00	N
ATOM	12	C2'	A A	1	36.046	31.832	110.166	1.00	0.00	C
ATOM	13	C3'	A A	1	37.378	32.396	109.702	1.00	0.00	C
ATOM	14	O3'	A A	1	38.320	31.331	109.575	1.00	0.00	O
ATOM	15	C4'	A A	1	37.750	33.363	110.825	1.00	0.00	C
ATOM	16	O4'	A A	1	37.207	32.737	112.033	1.00	0.00	O
ATOM	17	C5'	A A	1	37.195	34.763	110.715	1.00	0.00	C
ATOM	18	O5'	A A	1	35.860	34.719	110.151	1.00	0.00	O
ATOM	19	H2	A A	1	35.047	29.355	115.950	1.00	0.00	H
ATOM	20	H8	A A	1	34.047	33.637	111.283	1.00	0.00	H

ATOM	21	H1'	A A	1	36.600	30.796	111.986	1.00	0.00	H
ATOM	22	H3'	A A	1	37.292	32.917	108.747	1.00	0.00	H
ATOM	23	H4'	A A	1	38.837	33.435	110.834	1.00	0.00	H
ATOM	24	H61	A A	1	31.242	31.698	116.471	1.00	0.00	H
ATOM	25	H62	A A	1	31.158	32.817	115.084	1.00	0.00	H
ATOM	26	H5T	A A	1	35.574	35.439	109.585	1.00	0.00	H
ATOM	27	H2'1	A A	1	35.219	32.479	109.877	1.00	0.00	H
ATOM	28	H2'2	A A	1	35.860	30.848	109.734	1.00	0.00	H
ATOM	29	H5'1	A A	1	37.161	35.213	111.707	1.00	0.00	H
ATOM	30	H5'2	A A	1	37.845	35.357	110.077	1.00	0.00	H
ATOM	31	C1'	G A	2	36.053	26.852	112.305	1.00	0.00	C
ATOM	32	N1	G A	2	31.694	27.875	114.748	1.00	0.00	N
ATOM	33	C2	G A	2	32.710	27.000	115.078	1.00	0.00	C
ATOM	34	N2	G A	2	32.544	26.303	116.207	1.00	0.00	N
ATOM	35	N3	G A	2	33.807	26.833	114.341	1.00	0.00	N
ATOM	36	C4	G A	2	33.805	27.614	113.228	1.00	0.00	C
ATOM	37	C5	G A	2	32.835	28.515	112.818	1.00	0.00	C
ATOM	38	C6	G A	2	31.673	28.695	113.604	1.00	0.00	C
ATOM	39	O6	G A	2	30.713	29.439	113.409	1.00	0.00	O
ATOM	40	N7	G A	2	33.214	29.118	111.616	1.00	0.00	N
ATOM	41	C8	G A	2	34.376	28.581	111.346	1.00	0.00	C
ATOM	42	N9	G A	2	34.802	27.657	112.279	1.00	0.00	N
ATOM	43	C2'	G A	2	36.500	26.369	110.932	1.00	0.00	C
ATOM	44	C3'	G A	2	38.014	26.442	111.046	1.00	0.00	C
ATOM	45	O3'	G A	2	38.497	25.249	111.659	1.00	0.00	O
ATOM	46	C4'	G A	2	38.228	27.671	111.930	1.00	0.00	C
ATOM	47	O4'	G A	2	37.080	27.668	112.836	1.00	0.00	O
ATOM	48	C5'	G A	2	38.284	29.005	111.223	1.00	0.00	C
ATOM	49	O5'	G A	2	37.348	29.010	110.115	1.00	0.00	O
ATOM	50	O1P	G A	2	38.842	29.164	108.095	1.00	0.00	O
ATOM	51	O2P	G A	2	36.501	30.061	107.996	1.00	0.00	O
ATOM	52	P	G A	2	37.726	29.827	108.798	1.00	0.00	P
ATOM	53	H1	G A	2	30.889	27.933	115.388	1.00	0.00	H
ATOM	54	H8	G A	2	34.957	28.838	110.461	1.00	0.00	H
ATOM	55	H1'	G A	2	35.906	26.012	112.985	1.00	0.00	H
ATOM	56	H21	G A	2	31.695	26.438	116.775	1.00	0.00	H
ATOM	57	H3'	G A	2	38.493	26.569	110.075	1.00	0.00	H
ATOM	58	H22	G A	2	33.266	25.633	116.509	1.00	0.00	H
ATOM	59	H4'	G A	2	39.178	27.528	112.446	1.00	0.00	H
ATOM	60	H2'1	G A	2	36.132	27.007	110.129	1.00	0.00	H
ATOM	61	H2'2	G A	2	36.167	25.351	110.722	1.00	0.00	H
ATOM	62	H5'1	G A	2	38.025	29.795	111.928	1.00	0.00	H
ATOM	63	H5'2	G A	2	39.296	29.172	110.854	1.00	0.00	H
ATOM	64	C1'	G A	3	34.017	22.641	113.932	1.00	0.00	C
ATOM	65	N1	G A	3	29.678	25.313	113.701	1.00	0.00	N
ATOM	66	C2	G A	3	30.132	24.442	114.672	1.00	0.00	C
ATOM	67	N2	G A	3	29.322	24.254	115.722	1.00	0.00	N
ATOM	68	N3	G A	3	31.300	23.807	114.605	1.00	0.00	N
ATOM	69	C4	G A	3	31.987	24.109	113.472	1.00	0.00	C
ATOM	70	C5	G A	3	31.611	24.964	112.447	1.00	0.00	C
ATOM	71	C6	G A	3	30.373	25.641	112.522	1.00	0.00	C
ATOM	72	O6	G A	3	29.870	26.431	111.723	1.00	0.00	O
ATOM	73	N7	G A	3	32.599	24.997	111.460	1.00	0.00	N
ATOM	74	C8	G A	3	33.521	24.185	111.908	1.00	0.00	C

ATOM	75	N9	G A	3	33.221	23.605	113.124	1.00	0.00	N
ATOM	76	C2'	G A	3	34.763	21.610	113.096	1.00	0.00	C
ATOM	77	C3'	G A	3	36.047	21.427	113.889	1.00	0.00	C
ATOM	78	O3'	G A	3	35.825	20.474	114.925	1.00	0.00	O
ATOM	79	C4'	G A	3	36.307	22.828	114.441	1.00	0.00	C
ATOM	80	O4'	G A	3	34.972	23.380	114.667	1.00	0.00	O
ATOM	81	C5'	G A	3	37.074	23.770	113.544	1.00	0.00	C
ATOM	82	O5'	G A	3	36.696	23.550	112.162	1.00	0.00	O
ATOM	83	O1P	G A	3	38.803	22.658	111.115	1.00	0.00	O
ATOM	84	O2P	G A	3	37.129	23.888	109.711	1.00	0.00	O
ATOM	85	P	G A	3	37.799	23.734	111.025	1.00	0.00	P
ATOM	86	H1	G A	3	28.759	25.757	113.852	1.00	0.00	H
ATOM	87	H8	G A	3	34.446	23.982	111.370	1.00	0.00	H
ATOM	88	H1'	G A	3	33.346	22.158	114.643	1.00	0.00	H
ATOM	89	H21	G A	3	28.419	24.751	115.770	1.00	0.00	H
ATOM	90	H3'	G A	3	36.872	21.092	113.260	1.00	0.00	H
ATOM	91	H22	G A	3	29.600	23.616	116.479	1.00	0.00	H
ATOM	92	H4'	G A	3	36.879	22.705	115.360	1.00	0.00	H
ATOM	93	H2'1	G A	3	34.968	21.966	112.086	1.00	0.00	H
ATOM	94	H2'2	G A	3	34.213	20.673	113.008	1.00	0.00	H
ATOM	95	H5'1	G A	3	36.849	24.798	113.828	1.00	0.00	H
ATOM	96	H5'2	G A	3	38.142	23.592	113.666	1.00	0.00	H
ATOM	97	C1'	C A	4	30.223	19.803	115.376	1.00	0.00	C
ATOM	98	N1	C A	4	30.166	20.541	114.083	1.00	0.00	N
ATOM	99	C2	C A	4	29.048	21.333	113.834	1.00	0.00	C
ATOM	100	O2	C A	4	28.156	21.392	114.687	1.00	0.00	O
ATOM	101	N3	C A	4	28.979	22.012	112.663	1.00	0.00	N
ATOM	102	C4	C A	4	29.961	21.925	111.757	1.00	0.00	C
ATOM	103	N4	C A	4	29.842	22.613	110.631	1.00	0.00	N
ATOM	104	C5	C A	4	31.121	21.115	111.987	1.00	0.00	C
ATOM	105	C6	C A	4	31.172	20.444	113.173	1.00	0.00	C
ATOM	106	C2'	C A	4	30.834	18.414	115.265	1.00	0.00	C
ATOM	107	C3'	C A	4	31.581	18.288	116.583	1.00	0.00	C
ATOM	108	O3'	C A	4	30.677	17.843	117.593	1.00	0.00	O
ATOM	109	C4'	C A	4	32.070	19.713	116.834	1.00	0.00	C
ATOM	110	O4'	C A	4	31.019	20.561	116.269	1.00	0.00	O
ATOM	111	C5'	C A	4	33.387	20.091	116.200	1.00	0.00	C
ATOM	112	O5'	C A	4	33.508	19.456	114.901	1.00	0.00	O
ATOM	113	O1P	C A	4	35.420	17.851	115.212	1.00	0.00	O
ATOM	114	O2P	C A	4	34.922	18.780	112.937	1.00	0.00	O
ATOM	115	P	C A	4	34.951	18.992	114.405	1.00	0.00	P
ATOM	116	H5	C A	4	31.921	21.039	111.251	1.00	0.00	H
ATOM	117	H6	C A	4	32.037	19.819	113.396	1.00	0.00	H
ATOM	118	H1'	C A	4	29.215	19.756	115.785	1.00	0.00	H
ATOM	119	H3'	C A	4	32.416	17.592	116.515	1.00	0.00	H
ATOM	120	H4'	C A	4	32.175	19.827	117.913	1.00	0.00	H
ATOM	121	H41	C A	4	30.586	22.566	109.917	1.00	0.00	H
ATOM	122	H42	C A	4	29.008	23.194	110.466	1.00	0.00	H
ATOM	123	H2'1	C A	4	31.512	18.326	114.416	1.00	0.00	H
ATOM	124	H2'2	C A	4	30.076	17.636	115.162	1.00	0.00	H
ATOM	125	H5'1	C A	4	33.433	21.175	116.085	1.00	0.00	H
ATOM	126	H5'2	C A	4	34.202	19.765	116.846	1.00	0.00	H
ATOM	127	C1'	C A	5	25.452	18.485	115.502	1.00	0.00	C
ATOM	128	N1	C A	5	26.144	18.690	114.200	1.00	0.00	N

ATOM	129	C2	C A	5	25.545	19.536	113.269	1.00	0.00	C
ATOM	130	O2	C A	5	24.470	20.078	113.557	1.00	0.00	O
ATOM	131	N3	C A	5	26.161	19.735	112.077	1.00	0.00	N
ATOM	132	C4	C A	5	27.322	19.134	111.793	1.00	0.00	C
ATOM	133	N4	C A	5	27.882	19.368	110.617	1.00	0.00	N
ATOM	134	C5	C A	5	27.960	18.259	112.732	1.00	0.00	C
ATOM	135	C6	C A	5	27.325	18.075	113.925	1.00	0.00	C
ATOM	136	C2'	C A	5	25.552	17.061	116.032	1.00	0.00	C
ATOM	137	C3'	C A	5	25.648	17.290	117.534	1.00	0.00	C
ATOM	138	O3'	C A	5	24.336	17.431	118.071	1.00	0.00	O
ATOM	139	C4'	C A	5	26.454	18.584	117.629	1.00	0.00	C
ATOM	140	O4'	C A	5	26.051	19.349	116.449	1.00	0.00	O
ATOM	141	C5'	C A	5	27.958	18.440	117.621	1.00	0.00	C
ATOM	142	O5'	C A	5	28.343	17.362	116.731	1.00	0.00	O
ATOM	143	O1P	C A	5	29.328	15.647	118.286	1.00	0.00	O
ATOM	144	O2P	C A	5	30.080	15.751	115.896	1.00	0.00	O
ATOM	145	P	C A	5	29.617	16.478	117.103	1.00	0.00	P
ATOM	146	H5	C A	5	28.904	17.762	112.504	1.00	0.00	H
ATOM	147	H6	C A	5	27.772	17.421	114.673	1.00	0.00	H
ATOM	148	H1'	C A	5	24.411	18.787	115.385	1.00	0.00	H
ATOM	149	H3'	C A	5	26.158	16.469	118.039	1.00	0.00	H
ATOM	150	H4'	C A	5	26.172	19.064	118.566	1.00	0.00	H
ATOM	151	H41	C A	5	28.776	18.919	110.372	1.00	0.00	H
ATOM	152	H42	C A	5	27.419	19.997	109.942	1.00	0.00	H
ATOM	153	H2'1	C A	5	26.429	16.540	115.654	1.00	0.00	H
ATOM	154	H2'2	C A	5	24.676	16.463	115.777	1.00	0.00	H
ATOM	155	H5'1	C A	5	28.405	19.375	117.282	1.00	0.00	H
ATOM	156	H5'2	C A	5	28.302	18.225	118.631	1.00	0.00	H
ATOM	157	C1'	G A	6	20.853	18.255	113.678	1.00	0.00	C
ATOM	158	N1	G A	6	23.214	18.776	109.186	1.00	0.00	N
ATOM	159	C2	G A	6	22.054	19.371	109.655	1.00	0.00	C
ATOM	160	N2	G A	6	21.443	20.214	108.816	1.00	0.00	N
ATOM	161	N3	G A	6	21.549	19.141	110.866	1.00	0.00	N
ATOM	162	C4	G A	6	22.293	18.255	111.578	1.00	0.00	C
ATOM	163	C5	G A	6	23.456	17.611	111.191	1.00	0.00	C
ATOM	164	C6	G A	6	23.997	17.856	109.909	1.00	0.00	C
ATOM	165	O6	G A	6	25.009	17.385	109.390	1.00	0.00	O
ATOM	166	N7	G A	6	23.910	16.777	112.215	1.00	0.00	N
ATOM	167	C8	G A	6	23.030	16.942	113.170	1.00	0.00	C
ATOM	168	N9	G A	6	22.016	17.823	112.857	1.00	0.00	N
ATOM	169	C2'	G A	6	20.255	17.140	114.526	1.00	0.00	C
ATOM	170	C3'	G A	6	19.839	17.884	115.784	1.00	0.00	C
ATOM	171	O3'	G A	6	18.551	18.464	115.583	1.00	0.00	O
ATOM	172	C4'	G A	6	20.932	18.943	115.928	1.00	0.00	C
ATOM	173	O4'	G A	6	21.294	19.276	114.552	1.00	0.00	O
ATOM	174	C5'	G A	6	22.179	18.522	116.669	1.00	0.00	C
ATOM	175	O5'	G A	6	22.488	17.140	116.366	1.00	0.00	O
ATOM	176	O1P	G A	6	22.159	15.972	118.570	1.00	0.00	O
ATOM	177	O2P	G A	6	23.759	15.033	116.880	1.00	0.00	O
ATOM	178	P	G A	6	23.143	16.231	117.502	1.00	0.00	P
ATOM	179	H1	G A	6	23.525	19.027	108.236	1.00	0.00	H
ATOM	180	H8	G A	6	23.090	16.426	114.129	1.00	0.00	H
ATOM	181	H1'	G A	6	20.103	18.682	113.011	1.00	0.00	H
ATOM	182	H21	G A	6	21.842	20.390	107.883	1.00	0.00	H

ATOM	183	H3'	G A	6	19.807	17.231	116.656	1.00	0.00	H
ATOM	184	H22	G A	6	20.575	20.687	109.104	1.00	0.00	H
ATOM	185	H4'	G A	6	20.490	19.781	116.467	1.00	0.00	H
ATOM	186	H2'1	G A	6	20.979	16.356	114.750	1.00	0.00	H
ATOM	187	H2'2	G A	6	19.399	16.666	114.045	1.00	0.00	H
ATOM	188	H5'1	G A	6	23.009	19.160	116.366	1.00	0.00	H
ATOM	189	H5'2	G A	6	22.015	18.637	117.740	1.00	0.00	H
ATOM	190	C1'	C A	7	17.511	18.261	110.024	1.00	0.00	C
ATOM	191	N1	C A	7	18.683	17.344	109.973	1.00	0.00	N
ATOM	192	C2	C A	7	19.461	17.344	108.818	1.00	0.00	C
ATOM	193	O2	C A	7	19.149	18.096	107.886	1.00	0.00	O
ATOM	194	N3	C A	7	20.534	16.517	108.753	1.00	0.00	N
ATOM	195	C4	C A	7	20.845	15.711	109.777	1.00	0.00	C
ATOM	196	N4	C A	7	21.906	14.927	109.661	1.00	0.00	N
ATOM	197	C5	C A	7	20.060	15.689	110.976	1.00	0.00	C
ATOM	198	C6	C A	7	18.988	16.534	111.022	1.00	0.00	C
ATOM	199	C2'	C A	7	16.298	17.670	110.729	1.00	0.00	C
ATOM	200	C3'	C A	7	15.712	18.888	111.426	1.00	0.00	C
ATOM	201	O3'	C A	7	14.873	19.592	110.510	1.00	0.00	O
ATOM	202	C4'	C A	7	16.953	19.692	111.807	1.00	0.00	C
ATOM	203	O4'	C A	7	17.903	19.424	110.727	1.00	0.00	O
ATOM	204	C5'	C A	7	17.603	19.336	113.124	1.00	0.00	C
ATOM	205	O5'	C A	7	17.520	17.905	113.341	1.00	0.00	O
ATOM	206	O1P	C A	7	16.003	17.706	115.340	1.00	0.00	O
ATOM	207	O2P	C A	7	17.712	15.927	114.877	1.00	0.00	O
ATOM	208	P	C A	7	17.347	17.363	114.830	1.00	0.00	P
ATOM	209	H5	C A	7	20.307	15.031	111.812	1.00	0.00	H
ATOM	210	H6	C A	7	18.365	16.559	111.917	1.00	0.00	H
ATOM	211	H1'	C A	7	17.265	18.555	109.002	1.00	0.00	H
ATOM	212	H3'	C A	7	15.132	18.613	112.307	1.00	0.00	H
ATOM	213	H4'	C A	7	16.649	20.737	111.858	1.00	0.00	H
ATOM	214	H41	C A	7	22.170	14.298	110.434	1.00	0.00	H
ATOM	215	H42	C A	7	22.468	14.940	108.797	1.00	0.00	H
ATOM	216	H2'1	C A	7	16.573	16.898	111.446	1.00	0.00	H
ATOM	217	H2'2	C A	7	15.586	17.230	110.030	1.00	0.00	H
ATOM	218	H5'1	C A	7	18.649	19.646	113.102	1.00	0.00	H
ATOM	219	H5'2	C A	7	17.091	19.860	113.930	1.00	0.00	H
ATOM	220	C1'	A A	8	16.013	17.579	105.354	1.00	0.00	C
ATOM	221	N1	A A	8	19.946	14.286	105.179	1.00	0.00	N
ATOM	222	C2	A A	8	19.501	15.200	104.323	1.00	0.00	C
ATOM	223	N3	A A	8	18.479	16.022	104.432	1.00	0.00	N
ATOM	224	C4	A A	8	17.854	15.832	105.608	1.00	0.00	C
ATOM	225	C5	A A	8	18.181	14.940	106.591	1.00	0.00	C
ATOM	226	C6	A A	8	19.302	14.121	106.345	1.00	0.00	C
ATOM	227	N6	A A	8	19.744	13.200	107.220	1.00	0.00	N
ATOM	228	N7	A A	8	17.308	15.033	107.661	1.00	0.00	N
ATOM	229	C8	A A	8	16.476	15.967	107.305	1.00	0.00	C
ATOM	230	N9	A A	8	16.747	16.500	106.072	1.00	0.00	N
ATOM	231	C2'	A A	8	14.503	17.527	105.545	1.00	0.00	C
ATOM	232	C3'	A A	8	14.138	19.002	105.574	1.00	0.00	C
ATOM	233	O3'	A A	8	13.985	19.472	104.238	1.00	0.00	O
ATOM	234	C4'	A A	8	15.337	19.638	106.276	1.00	0.00	C
ATOM	235	O4'	A A	8	16.476	18.820	105.855	1.00	0.00	O
ATOM	236	C5'	A A	8	15.292	19.666	107.786	1.00	0.00	C

ATOM	237	O5'	A	A	8	14.669	18.453	108.281	1.00	0.00	O
ATOM	238	O1P	A	A	8	12.543	19.286	109.341	1.00	0.00	O
ATOM	239	O2P	A	A	8	13.610	17.169	110.163	1.00	0.00	O
ATOM	240	P	A	A	8	13.784	18.533	109.605	1.00	0.00	P
ATOM	241	H2	A	A	8	20.065	15.281	103.395	1.00	0.00	H
ATOM	242	H8	A	A	8	15.645	16.295	107.927	1.00	0.00	H
ATOM	243	H1'	A	A	8	16.276	17.526	104.298	1.00	0.00	H
ATOM	244	H3'	A	A	8	13.216	19.185	106.129	1.00	0.00	H
ATOM	245	H4'	A	A	8	15.399	20.667	105.925	1.00	0.00	H
ATOM	246	H61	A	A	8	20.569	12.629	106.992	1.00	0.00	H
ATOM	247	H62	A	A	8	19.252	13.066	108.116	1.00	0.00	H
ATOM	248	H2'1	A	A	8	14.221	17.030	106.472	1.00	0.00	H
ATOM	249	H2'2	A	A	8	14.002	17.009	104.727	1.00	0.00	H
ATOM	250	H5'1	A	A	8	16.310	19.740	108.170	1.00	0.00	H
ATOM	251	H5'2	A	A	8	14.721	20.534	108.112	1.00	0.00	H
ATOM	252	C1'	C	A	9	16.314	15.500	100.854	1.00	0.00	C
ATOM	253	N1	C	A	9	16.290	14.651	102.076	1.00	0.00	N
ATOM	254	C2	C	A	9	17.284	13.685	102.222	1.00	0.00	C
ATOM	255	O2	C	A	9	18.140	13.574	101.334	1.00	0.00	O
ATOM	256	N3	C	A	9	17.280	12.902	103.326	1.00	0.00	N
ATOM	257	C4	C	A	9	16.339	13.046	104.269	1.00	0.00	C
ATOM	258	N4	C	A	9	16.385	12.255	105.332	1.00	0.00	N
ATOM	259	C5	C	A	9	15.301	14.028	104.146	1.00	0.00	C
ATOM	260	C6	C	A	9	15.327	14.810	103.026	1.00	0.00	C
ATOM	261	C2'	C	A	9	14.933	15.814	100.298	1.00	0.00	C
ATOM	262	C3'	C	A	9	15.114	17.235	99.784	1.00	0.00	C
ATOM	263	O3'	C	A	9	15.666	17.190	98.470	1.00	0.00	O
ATOM	264	C4'	C	A	9	16.080	17.842	100.797	1.00	0.00	C
ATOM	265	O4'	C	A	9	16.938	16.724	101.194	1.00	0.00	O
ATOM	266	C5'	C	A	9	15.464	18.442	102.038	1.00	0.00	C
ATOM	267	O5'	C	A	9	14.321	17.649	102.450	1.00	0.00	O
ATOM	268	O1P	C	A	9	12.376	19.210	102.110	1.00	0.00	O
ATOM	269	O2P	C	A	9	12.239	17.392	103.835	1.00	0.00	O
ATOM	270	P	C	A	9	13.074	18.387	103.117	1.00	0.00	P
ATOM	271	H5	C	A	9	14.529	14.144	104.908	1.00	0.00	H
ATOM	272	H6	C	A	9	14.565	15.575	102.890	1.00	0.00	H
ATOM	273	H1'	C	A	9	16.934	15.004	100.108	1.00	0.00	H
ATOM	274	H3'	C	A	9	14.172	17.782	99.761	1.00	0.00	H
ATOM	275	H4'	C	A	9	16.624	18.633	100.281	1.00	0.00	H
ATOM	276	H41	C	A	9	15.674	12.347	106.072	1.00	0.00	H
ATOM	277	H42	C	A	9	17.130	11.549	105.417	1.00	0.00	H
ATOM	278	H2'1	C	A	9	14.158	15.766	101.062	1.00	0.00	H
ATOM	279	H2'2	C	A	9	14.646	15.134	99.496	1.00	0.00	H
ATOM	280	H5'1	C	A	9	16.206	18.458	102.837	1.00	0.00	H
ATOM	281	H5'2	C	A	9	15.146	19.462	101.824	1.00	0.00	H
ATOM	282	C1'	C	A	10	17.573	11.913	97.681	1.00	0.00	C
ATOM	283	N1	C	A	10	16.798	11.595	98.911	1.00	0.00	N
ATOM	284	C2	C	A	10	17.275	10.578	99.737	1.00	0.00	C
ATOM	285	O2	C	A	10	18.313	9.984	99.416	1.00	0.00	O
ATOM	286	N3	C	A	10	16.585	10.273	100.864	1.00	0.00	N
ATOM	287	C4	C	A	10	15.464	10.931	101.184	1.00	0.00	C
ATOM	288	N4	C	A	10	14.830	10.595	102.299	1.00	0.00	N
ATOM	289	C5	C	A	10	14.948	11.980	100.351	1.00	0.00	C
ATOM	290	C6	C	A	10	15.663	12.273	99.225	1.00	0.00	C

ATOM	291	C2'	C A	10	16.701	12.261	96.482	1.00	0.00	C
ATOM	292	C3'	C A	10	17.533	13.328	95.786	1.00	0.00	C
ATOM	293	O3'	C A	10	18.496	12.697	94.944	1.00	0.00	O
ATOM	294	C4'	C A	10	18.183	14.067	96.953	1.00	0.00	C
ATOM	295	O4'	C A	10	18.393	13.032	97.965	1.00	0.00	O
ATOM	296	C5'	C A	10	17.379	15.188	97.569	1.00	0.00	C
ATOM	297	O5'	C A	10	15.972	14.839	97.572	1.00	0.00	O
ATOM	298	O1P	C A	10	14.955	16.509	95.988	1.00	0.00	O
ATOM	299	O2P	C A	10	13.566	15.518	97.829	1.00	0.00	O
ATOM	300	P	C A	10	14.895	15.996	97.371	1.00	0.00	P
ATOM	301	H5	C A	10	14.032	12.515	100.606	1.00	0.00	H
ATOM	302	H6	C A	10	15.315	13.068	98.565	1.00	0.00	H
ATOM	303	H1'	C A	10	18.224	11.068	97.459	1.00	0.00	H
ATOM	304	H3'	C A	10	16.916	14.000	95.187	1.00	0.00	H
ATOM	305	H4'	C A	10	19.115	14.492	96.579	1.00	0.00	H
ATOM	306	H41	C A	10	13.967	11.088	102.569	1.00	0.00	H
ATOM	307	H42	C A	10	15.201	9.840	102.893	1.00	0.00	H
ATOM	308	H2'1	C A	10	15.727	12.647	96.776	1.00	0.00	H
ATOM	309	H2'2	C A	10	16.533	11.401	95.831	1.00	0.00	H
ATOM	310	H5'1	C A	10	17.720	15.354	98.592	1.00	0.00	H
ATOM	311	H5'2	C A	10	17.533	16.097	96.990	1.00	0.00	H
ATOM	312	C1'	T A	11	18.666	7.248	96.435	1.00	0.00	C
ATOM	313	N1	T A	11	17.429	7.545	97.205	1.00	0.00	N
ATOM	314	C2	T A	11	17.214	6.817	98.358	1.00	0.00	C
ATOM	315	O2	T A	11	17.990	5.962	98.752	1.00	0.00	O
ATOM	316	N3	T A	11	16.054	7.124	99.045	1.00	0.00	N
ATOM	317	C4	T A	11	15.113	8.067	98.684	1.00	0.00	C
ATOM	318	O4	T A	11	14.107	8.254	99.380	1.00	0.00	O
ATOM	319	C5	T A	11	15.423	8.777	97.466	1.00	0.00	C
ATOM	320	C6	T A	11	16.546	8.504	96.772	1.00	0.00	C
ATOM	321	C7	T A	11	14.427	9.814	97.037	1.00	0.00	C
ATOM	322	C2'	T A	11	18.477	7.305	94.924	1.00	0.00	C
ATOM	323	C3'	T A	11	19.807	7.873	94.458	1.00	0.00	C
ATOM	324	O3'	T A	11	20.752	6.812	94.331	1.00	0.00	O
ATOM	325	C4'	T A	11	20.175	8.842	95.579	1.00	0.00	C
ATOM	326	O4'	T A	11	19.636	8.216	96.788	1.00	0.00	O
ATOM	327	C5'	T A	11	19.615	10.241	95.470	1.00	0.00	C
ATOM	328	O5'	T A	11	18.279	10.191	94.907	1.00	0.00	O
ATOM	329	O1P	T A	11	18.540	11.345	92.687	1.00	0.00	O
ATOM	330	O2P	T A	11	16.319	11.361	93.855	1.00	0.00	O
ATOM	331	P	T A	11	17.800	11.382	93.962	1.00	0.00	P
ATOM	332	H3	T A	11	15.874	6.598	99.910	1.00	0.00	H
ATOM	333	H6	T A	11	16.758	9.053	95.854	1.00	0.00	H
ATOM	334	H1'	T A	11	19.036	6.271	96.744	1.00	0.00	H
ATOM	335	H3'	T A	11	19.717	8.391	93.504	1.00	0.00	H
ATOM	336	H4'	T A	11	21.262	8.919	95.588	1.00	0.00	H
ATOM	337	H71	T A	11	13.962	9.508	96.102	1.00	0.00	H
ATOM	338	H72	T A	11	13.661	9.921	97.806	1.00	0.00	H
ATOM	339	H73	T A	11	14.933	10.769	96.896	1.00	0.00	H
ATOM	340	H2'1	T A	11	17.647	7.948	94.636	1.00	0.00	H
ATOM	341	H2'2	T A	11	18.292	6.320	94.493	1.00	0.00	H
ATOM	342	H5'1	T A	11	19.579	10.692	96.461	1.00	0.00	H
ATOM	343	H5'2	T A	11	20.262	10.836	94.827	1.00	0.00	H
ATOM	344	C1'	A A	12	18.504	2.326	97.047	1.00	0.00	C

ATOM	345	N1	A	A	12	14.124	3.339	99.525	1.00	0.00	N
ATOM	346	C2	A	A	12	15.135	2.515	99.786	1.00	0.00	C
ATOM	347	N3	A	A	12	16.241	2.305	99.102	1.00	0.00	N
ATOM	348	C4	A	A	12	16.259	3.072	97.998	1.00	0.00	C
ATOM	349	C5	A	A	12	15.306	3.962	97.588	1.00	0.00	C
ATOM	350	C6	A	A	12	14.171	4.092	98.416	1.00	0.00	C
ATOM	351	N6	A	A	12	13.155	4.928	98.141	1.00	0.00	N
ATOM	352	N7	A	A	12	15.670	4.571	96.401	1.00	0.00	N
ATOM	353	C8	A	A	12	16.822	4.039	96.117	1.00	0.00	C
ATOM	354	N9	A	A	12	17.245	3.120	97.043	1.00	0.00	N
ATOM	355	C2'	A	A	12	18.937	1.861	95.663	1.00	0.00	C
ATOM	356	C3'	A	A	12	20.452	1.946	95.760	1.00	0.00	C
ATOM	357	O3'	A	A	12	20.950	0.749	96.355	1.00	0.00	O
ATOM	358	C4'	A	A	12	20.668	3.166	96.653	1.00	0.00	C
ATOM	359	O4'	A	A	12	19.530	3.145	97.573	1.00	0.00	O
ATOM	360	C5'	A	A	12	20.705	4.506	95.958	1.00	0.00	C
ATOM	361	O5'	A	A	12	19.756	4.517	94.862	1.00	0.00	O
ATOM	362	O1P	A	A	12	21.222	4.701	92.824	1.00	0.00	O
ATOM	363	O2P	A	A	12	18.872	5.580	92.763	1.00	0.00	O
ATOM	364	P	A	A	12	20.110	5.348	93.547	1.00	0.00	P
ATOM	365	H2	A	A	12	15.034	1.929	100.699	1.00	0.00	H
ATOM	366	H8	A	A	12	17.399	4.297	95.228	1.00	0.00	H
ATOM	367	H1'	A	A	12	18.370	1.481	97.720	1.00	0.00	H
ATOM	368	H3'	A	A	12	20.917	2.084	94.785	1.00	0.00	H
ATOM	369	H4'	A	A	12	21.625	3.025	97.155	1.00	0.00	H
ATOM	370	H61	A	A	12	12.350	4.988	98.779	1.00	0.00	H
ATOM	371	H62	A	A	12	13.183	5.508	97.290	1.00	0.00	H
ATOM	372	H2'1	A	A	12	18.554	2.502	94.871	1.00	0.00	H
ATOM	373	H2'2	A	A	12	18.609	0.843	95.449	1.00	0.00	H
ATOM	374	H5'1	A	A	12	20.448	5.287	96.674	1.00	0.00	H
ATOM	375	H5'2	A	A	12	21.708	4.686	95.577	1.00	0.00	H
ATOM	376	C1'	G	A	13	16.449	-1.884	98.690	1.00	0.00	C
ATOM	377	N1	G	A	13	12.110	0.788	98.459	1.00	0.00	N
ATOM	378	C2	G	A	13	12.563	-0.083	99.431	1.00	0.00	C
ATOM	379	N2	G	A	13	11.753	-0.273	100.481	1.00	0.00	N
ATOM	380	N3	G	A	13	13.732	-0.719	99.362	1.00	0.00	N
ATOM	381	C4	G	A	13	14.418	-0.416	98.229	1.00	0.00	C
ATOM	382	C5	G	A	13	14.043	0.438	97.205	1.00	0.00	C
ATOM	383	C6	G	A	13	12.804	1.115	97.280	1.00	0.00	C
ATOM	384	O6	G	A	13	12.302	1.904	96.478	1.00	0.00	O
ATOM	385	N7	G	A	13	15.031	0.471	96.219	1.00	0.00	N
ATOM	386	C8	G	A	13	15.953	-0.340	96.667	1.00	0.00	C
ATOM	387	N9	G	A	13	15.652	-0.920	97.882	1.00	0.00	N
ATOM	388	C2'	G	A	13	17.195	-2.915	97.855	1.00	0.00	C
ATOM	389	C3'	G	A	13	18.478	-3.098	98.646	1.00	0.00	C
ATOM	390	O3'	G	A	13	18.257	-4.051	99.684	1.00	0.00	O
ATOM	391	C4'	G	A	13	18.740	-1.697	99.198	1.00	0.00	C
ATOM	392	O4'	G	A	13	17.404	-1.144	99.426	1.00	0.00	O
ATOM	393	C5'	G	A	13	19.506	-0.755	98.301	1.00	0.00	C
ATOM	394	O5'	G	A	13	19.128	-0.975	96.921	1.00	0.00	O
ATOM	395	O1P	G	A	13	21.235	-1.869	95.872	1.00	0.00	O
ATOM	396	O2P	G	A	13	19.561	-0.638	94.469	1.00	0.00	O
ATOM	397	P	G	A	13	20.231	-0.792	95.782	1.00	0.00	P
ATOM	398	H1	G	A	13	11.191	1.234	98.612	1.00	0.00	H

ATOM	399	H8	G	A	13	16.878	-0.544	96.128	1.00	0.00	H
ATOM	400	H1'	G	A	13	15.778	-2.368	99.401	1.00	0.00	H
ATOM	401	H21	G	A	13	10.851	0.226	100.529	1.00	0.00	H
ATOM	402	H3'	G	A	13	19.303	-3.433	98.017	1.00	0.00	H
ATOM	403	H22	G	A	13	12.031	-0.911	101.236	1.00	0.00	H
ATOM	404	H4'	G	A	13	19.311	-1.821	100.119	1.00	0.00	H
ATOM	405	H2'1	G	A	13	17.400	-2.560	96.845	1.00	0.00	H
ATOM	406	H2'2	G	A	13	16.645	-3.853	97.767	1.00	0.00	H
ATOM	407	H5'1	G	A	13	19.281	0.273	98.586	1.00	0.00	H
ATOM	408	H5'2	G	A	13	20.574	-0.934	98.424	1.00	0.00	H
ATOM	409	C1'	G	A	14	12.654	-4.722	100.133	1.00	0.00	C
ATOM	410	N1	G	A	14	9.910	-1.538	97.244	1.00	0.00	N
ATOM	411	C2	G	A	14	9.635	-2.063	98.494	1.00	0.00	C
ATOM	412	N2	G	A	14	8.475	-1.691	99.047	1.00	0.00	N
ATOM	413	N3	G	A	14	10.454	-2.891	99.141	1.00	0.00	N
ATOM	414	C4	G	A	14	11.579	-3.165	98.428	1.00	0.00	C
ATOM	415	C5	G	A	14	11.934	-2.691	97.176	1.00	0.00	C
ATOM	416	C6	G	A	14	11.069	-1.810	96.491	1.00	0.00	C
ATOM	417	O6	G	A	14	11.207	-1.289	95.384	1.00	0.00	O
ATOM	418	N7	G	A	14	13.173	-3.216	96.799	1.00	0.00	N
ATOM	419	C8	G	A	14	13.521	-3.968	97.810	1.00	0.00	C
ATOM	420	N9	G	A	14	12.604	-3.989	98.839	1.00	0.00	N
ATOM	421	C2'	G	A	14	13.270	-6.111	100.027	1.00	0.00	C
ATOM	422	C3'	G	A	14	14.009	-6.234	101.349	1.00	0.00	C
ATOM	423	O3'	G	A	14	13.103	-6.677	102.355	1.00	0.00	O
ATOM	424	C4'	G	A	14	14.496	-4.806	101.599	1.00	0.00	C
ATOM	425	O4'	G	A	14	13.445	-3.963	101.028	1.00	0.00	O
ATOM	426	C5'	G	A	14	15.815	-4.428	100.969	1.00	0.00	C
ATOM	427	O5'	G	A	14	15.942	-5.064	99.674	1.00	0.00	O
ATOM	428	O1P	G	A	14	17.855	-6.667	99.996	1.00	0.00	O
ATOM	429	O2P	G	A	14	17.365	-5.743	97.717	1.00	0.00	O
ATOM	430	P	G	A	14	17.388	-5.528	99.185	1.00	0.00	P
ATOM	431	H1	G	A	14	9.212	-0.899	96.832	1.00	0.00	H
ATOM	432	H8	G	A	14	14.456	-4.529	97.836	1.00	0.00	H
ATOM	433	H1'	G	A	14	11.644	-4.771	100.537	1.00	0.00	H
ATOM	434	H21	G	A	14	7.847	-1.047	98.542	1.00	0.00	H
ATOM	435	H3'	G	A	14	14.846	-6.928	101.285	1.00	0.00	H
ATOM	436	H22	G	A	14	8.210	-2.048	99.975	1.00	0.00	H
ATOM	437	H4'	G	A	14	14.595	-4.691	102.678	1.00	0.00	H
ATOM	438	H2'1	G	A	14	13.949	-6.199	99.181	1.00	0.00	H
ATOM	439	H2'2	G	A	14	12.512	-6.891	99.921	1.00	0.00	H
ATOM	440	H5'1	G	A	14	15.859	-3.346	100.855	1.00	0.00	H
ATOM	441	H5'2	G	A	14	16.628	-4.753	101.621	1.00	0.00	H
ATOM	442	C1'	A	A	15	7.890	-6.053	100.278	1.00	0.00	C
ATOM	443	N1	A	A	15	7.679	-3.666	95.740	1.00	0.00	N
ATOM	444	C2	A	A	15	6.862	-3.673	96.791	1.00	0.00	C
ATOM	445	N3	A	A	15	6.979	-4.312	97.937	1.00	0.00	N
ATOM	446	C4	A	A	15	8.112	-5.038	97.949	1.00	0.00	C
ATOM	447	C5	A	A	15	9.048	-5.140	96.960	1.00	0.00	C
ATOM	448	C6	A	A	15	8.801	-4.400	95.785	1.00	0.00	C
ATOM	449	N6	A	A	15	9.633	-4.404	94.728	1.00	0.00	N
ATOM	450	N7	A	A	15	10.081	-5.980	97.334	1.00	0.00	N
ATOM	451	C8	A	A	15	9.751	-6.369	98.530	1.00	0.00	C
ATOM	452	N9	A	A	15	8.567	-5.836	98.972	1.00	0.00	N

ATOM	453	C2'	A	A	15	8.009	-7.479	100.801	1.00	0.00	C
ATOM	454	C3'	A	A	15	8.116	-7.259	102.302	1.00	0.00	C
ATOM	455	O3'	A	A	15	6.809	-7.134	102.851	1.00	0.00	O
ATOM	456	C4'	A	A	15	8.912	-5.958	102.398	1.00	0.00	C
ATOM	457	O4'	A	A	15	8.490	-5.190	101.224	1.00	0.00	O
ATOM	458	C5'	A	A	15	10.416	-6.086	102.375	1.00	0.00	C
ATOM	459	O5'	A	A	15	10.804	-7.156	101.476	1.00	0.00	O
ATOM	460	O1P	A	A	15	11.819	-8.871	103.013	1.00	0.00	O
ATOM	461	O2P	A	A	15	12.549	-8.745	100.615	1.00	0.00	O
ATOM	462	P	A	A	15	12.090	-8.029	101.830	1.00	0.00	P
ATOM	463	H2	A	A	15	5.968	-3.060	96.689	1.00	0.00	H
ATOM	464	H8	A	A	15	10.355	-7.053	99.125	1.00	0.00	H
ATOM	465	H1'	A	A	15	6.845	-5.763	100.173	1.00	0.00	H
ATOM	466	H3'	A	A	15	8.641	-8.076	102.797	1.00	0.00	H
ATOM	467	H4'	A	A	15	8.632	-5.485	103.338	1.00	0.00	H
ATOM	468	H61	A	A	15	9.404	-3.841	93.895	1.00	0.00	H
ATOM	469	H62	A	A	15	10.495	-4.965	94.754	1.00	0.00	H
ATOM	470	H2'1	A	A	15	8.888	-7.991	100.409	1.00	0.00	H
ATOM	471	H2'2	A	A	15	7.138	-8.086	100.551	1.00	0.00	H
ATOM	472	H5'1	A	A	15	10.849	-5.146	102.038	1.00	0.00	H
ATOM	473	H5'2	A	A	15	10.772	-6.304	103.380	1.00	0.00	H
ATOM	474	C1'	C	A	16	3.283	-6.270	98.436	1.00	0.00	C
ATOM	475	N1	C	A	16	4.445	-6.697	97.610	1.00	0.00	N
ATOM	476	C2	C	A	16	4.572	-6.156	96.333	1.00	0.00	C
ATOM	477	O2	C	A	16	3.718	-5.349	95.940	1.00	0.00	O
ATOM	478	N3	C	A	16	5.623	-6.531	95.563	1.00	0.00	N
ATOM	479	C4	C	A	16	6.529	-7.406	96.018	1.00	0.00	C
ATOM	480	N4	C	A	16	7.538	-7.734	95.225	1.00	0.00	N
ATOM	481	C5	C	A	16	6.423	-7.983	97.326	1.00	0.00	C
ATOM	482	C6	C	A	16	5.359	-7.587	98.086	1.00	0.00	C
ATOM	483	C2'	C	A	16	2.686	-7.389	99.280	1.00	0.00	C
ATOM	484	C3'	C	A	16	2.274	-6.647	100.543	1.00	0.00	C
ATOM	485	O3'	C	A	16	0.987	-6.069	100.347	1.00	0.00	O
ATOM	486	C4'	C	A	16	3.368	-5.591	100.689	1.00	0.00	C
ATOM	487	O4'	C	A	16	3.729	-5.251	99.313	1.00	0.00	O
ATOM	488	C5'	C	A	16	4.617	-6.015	101.426	1.00	0.00	C
ATOM	489	O5'	C	A	16	4.923	-7.398	101.115	1.00	0.00	O
ATOM	490	O1P	C	A	16	4.599	-8.577	103.316	1.00	0.00	O
ATOM	491	O2P	C	A	16	6.195	-9.507	101.618	1.00	0.00	O
ATOM	492	P	C	A	16	5.581	-8.311	102.245	1.00	0.00	P
ATOM	493	H5	C	A	16	7.156	-8.701	97.696	1.00	0.00	H
ATOM	494	H6	C	A	16	5.240	-7.992	99.091	1.00	0.00	H
ATOM	495	H1'	C	A	16	2.533	-5.837	97.774	1.00	0.00	H
ATOM	496	H3'	C	A	16	2.246	-7.308	101.411	1.00	0.00	H
ATOM	497	H4'	C	A	16	2.929	-4.756	101.234	1.00	0.00	H
ATOM	498	H41	C	A	16	8.252	-8.405	95.550	1.00	0.00	H
ATOM	499	H42	C	A	16	7.612	-7.322	94.283	1.00	0.00	H
ATOM	500	H2'1	C	A	16	3.410	-8.173	99.500	1.00	0.00	H
ATOM	501	H2'2	C	A	16	1.829	-7.859	98.797	1.00	0.00	H
ATOM	502	H5'1	C	A	16	5.446	-5.376	101.122	1.00	0.00	H
ATOM	503	H5'2	C	A	16	4.454	-5.907	102.498	1.00	0.00	H
ATOM	504	C1'	G	A	17	-0.057	-6.265	94.781	1.00	0.00	C
ATOM	505	N1	G	A	17	3.866	-7.898	91.958	1.00	0.00	N
ATOM	506	C2	G	A	17	2.890	-6.961	91.666	1.00	0.00	C

ATOM	507	N2	G A	17	2.969	-6.385	90.459	1.00	0.00	N
ATOM	508	N3	G A	17	1.915	-6.626	92.508	1.00	0.00	N
ATOM	509	C4	G A	17	1.985	-7.315	93.679	1.00	0.00	C
ATOM	510	C5	G A	17	2.916	-8.267	94.056	1.00	0.00	C
ATOM	511	C6	G A	17	3.955	-8.621	93.165	1.00	0.00	C
ATOM	512	O6	G A	17	4.865	-9.436	93.315	1.00	0.00	O
ATOM	513	N7	G A	17	2.634	-8.736	95.342	1.00	0.00	N
ATOM	514	C8	G A	17	1.568	-8.065	95.694	1.00	0.00	C
ATOM	515	N9	G A	17	1.113	-7.182	94.737	1.00	0.00	N
ATOM	516	C2'	G A	17	-1.271	-6.850	95.489	1.00	0.00	C
ATOM	517	C3'	G A	17	-1.857	-5.630	96.179	1.00	0.00	C
ATOM	518	O3'	G A	17	-2.694	-4.929	95.261	1.00	0.00	O
ATOM	519	C4'	G A	17	-0.614	-4.825	96.558	1.00	0.00	C
ATOM	520	O4'	G A	17	0.335	-5.099	95.481	1.00	0.00	O
ATOM	521	C5'	G A	17	0.035	-5.176	97.877	1.00	0.00	C
ATOM	522	O5'	G A	17	-0.050	-6.605	98.100	1.00	0.00	O
ATOM	523	O1P	G A	17	-1.568	-6.793	100.099	1.00	0.00	O
ATOM	524	O2P	G A	17	0.137	-8.576	99.647	1.00	0.00	O
ATOM	525	P	G A	17	-0.226	-7.139	99.593	1.00	0.00	P
ATOM	526	H1	G A	17	4.582	-8.081	91.238	1.00	0.00	H
ATOM	527	H8	G A	17	1.081	-8.194	96.663	1.00	0.00	H
ATOM	528	H1'	G A	17	-0.303	-5.976	93.759	1.00	0.00	H
ATOM	529	H21	G A	17	3.728	-6.647	89.813	1.00	0.00	H
ATOM	530	H3'	G A	17	-2.437	-5.899	97.062	1.00	0.00	H
ATOM	531	H22	G A	17	2.271	-5.682	90.180	1.00	0.00	H
ATOM	532	H4'	G A	17	-0.917	-3.780	96.604	1.00	0.00	H
ATOM	533	H2'1	G A	17	-0.997	-7.620	96.210	1.00	0.00	H
ATOM	534	H2'2	G A	17	-1.983	-7.294	94.791	1.00	0.00	H
ATOM	535	H5'1	G A	17	1.079	-4.867	97.854	1.00	0.00	H
ATOM	536	H5'2	G A	17	-0.477	-4.645	98.680	1.00	0.00	H
ATOM	537	C1'	G A	18	-1.535	-6.959	90.106	1.00	0.00	C
ATOM	538	N1	G A	18	2.368	-10.241	89.959	1.00	0.00	N
ATOM	539	C2	G A	18	1.956	-9.308	89.022	1.00	0.00	C
ATOM	540	N2	G A	18	2.680	-9.243	87.895	1.00	0.00	N
ATOM	541	N3	G A	18	0.909	-8.505	89.196	1.00	0.00	N
ATOM	542	C4	G A	18	0.290	-8.713	90.388	1.00	0.00	C
ATOM	543	C5	G A	18	0.627	-9.621	91.378	1.00	0.00	C
ATOM	544	C6	G A	18	1.742	-10.472	91.197	1.00	0.00	C
ATOM	545	O6	G A	18	2.191	-11.332	91.953	1.00	0.00	O
ATOM	546	N7	G A	18	-0.264	-9.520	92.448	1.00	0.00	N
ATOM	547	C8	G A	18	-1.091	-8.575	92.083	1.00	0.00	C
ATOM	548	N9	G A	18	-0.820	-8.036	90.843	1.00	0.00	N
ATOM	549	C2'	G A	18	-3.046	-6.996	90.277	1.00	0.00	C
ATOM	550	C3'	G A	18	-3.402	-5.520	90.288	1.00	0.00	C
ATOM	551	O3'	G A	18	-3.535	-5.059	88.946	1.00	0.00	O
ATOM	552	C4'	G A	18	-2.208	-4.887	91.000	1.00	0.00	C
ATOM	553	O4'	G A	18	-1.071	-5.717	90.600	1.00	0.00	O
ATOM	554	C5'	G A	18	-2.269	-4.846	92.508	1.00	0.00	C
ATOM	555	O5'	G A	18	-2.911	-6.047	93.006	1.00	0.00	O
ATOM	556	O1P	G A	18	-5.043	-5.191	94.030	1.00	0.00	O
ATOM	557	O2P	G A	18	-4.004	-7.308	94.885	1.00	0.00	O
ATOM	558	P	G A	18	-3.812	-5.951	94.318	1.00	0.00	P
ATOM	559	H1	G A	18	3.198	-10.810	89.729	1.00	0.00	H
ATOM	560	H8	G A	18	-1.922	-8.240	92.704	1.00	0.00	H

ATOM	561	H1'	G	A	18	-1.258	-7.025	89.053	1.00	0.00	H
ATOM	562	H21	G	A	18	3.492	-9.866	87.771	1.00	0.00	H
ATOM	563	H3'	G	A	18	-4.329	-5.327	90.830	1.00	0.00	H
ATOM	564	H22	G	A	18	2.423	-8.572	87.160	1.00	0.00	H
ATOM	565	H4'	G	A	18	-2.133	-3.861	90.641	1.00	0.00	H
ATOM	566	H2'1	G	A	18	-3.345	-7.485	91.203	1.00	0.00	H
ATOM	567	H2'2	G	A	18	-3.542	-7.518	89.456	1.00	0.00	H
ATOM	568	H5'1	G	A	18	-1.258	-4.776	92.906	1.00	0.00	H
ATOM	569	H5'2	G	A	18	-2.838	-3.971	92.819	1.00	0.00	H
ATOM	570	C1'	T	A	19	-1.270	-9.008	85.608	1.00	0.00	C
ATOM	571	N1	T	A	19	-1.275	-9.869	86.820	1.00	0.00	N
ATOM	572	C2	T	A	19	-0.278	-10.814	86.928	1.00	0.00	C
ATOM	573	O2	T	A	19	0.587	-10.961	86.079	1.00	0.00	O
ATOM	574	N3	T	A	19	-0.321	-11.592	88.071	1.00	0.00	N
ATOM	575	C4	T	A	19	-1.251	-11.511	89.084	1.00	0.00	C
ATOM	576	O4	T	A	19	-1.190	-12.265	90.062	1.00	0.00	O
ATOM	577	C5	T	A	19	-2.256	-10.493	88.885	1.00	0.00	C
ATOM	578	C6	T	A	19	-2.244	-9.716	87.783	1.00	0.00	C
ATOM	579	C7	T	A	19	-3.287	-10.366	89.966	1.00	0.00	C
ATOM	580	C2'	T	A	19	-2.660	-8.696	85.069	1.00	0.00	C
ATOM	581	C3'	T	A	19	-2.493	-7.271	84.565	1.00	0.00	C
ATOM	582	O3'	T	A	19	-1.954	-7.300	83.246	1.00	0.00	O
ATOM	583	C4'	T	A	19	-1.519	-6.668	85.575	1.00	0.00	C
ATOM	584	O4'	T	A	19	-0.651	-7.782	85.950	1.00	0.00	O
ATOM	585	C5'	T	A	19	-2.125	-6.083	86.829	1.00	0.00	C
ATOM	586	O5'	T	A	19	-3.258	-6.885	87.245	1.00	0.00	O
ATOM	587	O1P	T	A	19	-5.215	-5.332	86.941	1.00	0.00	O
ATOM	588	O2P	T	A	19	-5.322	-7.165	88.650	1.00	0.00	O
ATOM	589	P	T	A	19	-4.501	-6.161	87.932	1.00	0.00	P
ATOM	590	H3	T	A	19	0.417	-12.302	88.175	1.00	0.00	H
ATOM	591	H6	T	A	19	-3.014	-8.954	87.654	1.00	0.00	H
ATOM	592	H1'	T	A	19	-0.657	-9.493	84.848	1.00	0.00	H
ATOM	593	H3'	T	A	19	-3.438	-6.729	84.558	1.00	0.00	H
ATOM	594	H4'	T	A	19	-0.985	-5.866	85.059	1.00	0.00	H
ATOM	595	H71	T	A	19	-4.265	-10.642	89.570	1.00	0.00	H
ATOM	596	H72	T	A	19	-3.031	-11.029	90.792	1.00	0.00	H
ATOM	597	H73	T	A	19	-3.320	-9.336	90.322	1.00	0.00	H
ATOM	598	H2'1	T	A	19	-3.424	-8.757	85.841	1.00	0.00	H
ATOM	599	H2'2	T	A	19	-2.952	-9.370	84.263	1.00	0.00	H
ATOM	600	H5'1	T	A	19	-1.374	-6.069	87.617	1.00	0.00	H
ATOM	601	H5'2	T	A	19	-2.451	-5.063	86.627	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-3.618	-7.791	79.952	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-3.651	-7.724	81.381	1.00	0.00	O
ATOM	604	S	LNK	A	20	-6.076	-8.595	76.926	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-5.016	-8.170	79.426	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-4.870	-9.088	78.197	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-3.327	-9.545	83.088	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-1.612	-9.188	81.289	1.00	0.00	O
ATOM	609	P	LNK	A	20	-2.609	-8.595	82.215	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-2.895	-8.544	79.640	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-3.329	-6.821	79.548	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-5.054	-10.122	78.490	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-5.556	-7.267	79.144	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-5.568	-8.694	80.206	0.00	0.00	H

ATOM	615	H06	LNK	A	20	-3.861	-8.999	77.795	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-6.082	-9.060	76.422			
TER											
ATOM	618	C1'	A	B	2	5.692	-16.960	88.289	1.00	0.00	C
ATOM	619	N1	A	B	2	1.780	-13.639	88.386	1.00	0.00	N
ATOM	620	C2	A	B	2	2.757	-13.850	87.510	1.00	0.00	C
ATOM	621	N3	A	B	2	3.736	-14.730	87.544	1.00	0.00	N
ATOM	622	C4	A	B	2	3.658	-15.469	88.666	1.00	0.00	C
ATOM	623	C5	A	B	2	2.725	-15.377	89.660	1.00	0.00	C
ATOM	624	C6	A	B	2	1.727	-14.392	89.495	1.00	0.00	C
ATOM	625	N6	A	B	2	0.745	-14.186	90.388	1.00	0.00	N
ATOM	626	N7	A	B	2	2.964	-16.305	90.659	1.00	0.00	N
ATOM	627	C8	A	B	2	4.029	-16.930	90.253	1.00	0.00	C
ATOM	628	N9	A	B	2	4.505	-16.479	89.049	1.00	0.00	N
ATOM	629	C2'	A	B	2	6.873	-17.341	89.172	1.00	0.00	C
ATOM	630	C3'	A	B	2	7.463	-18.523	88.421	1.00	0.00	C
ATOM	631	O3'	A	B	2	8.338	-18.042	87.403	1.00	0.00	O
ATOM	632	C4'	A	B	2	6.226	-19.209	87.843	1.00	0.00	C
ATOM	633	O4'	A	B	2	5.300	-18.110	87.564	1.00	0.00	O
ATOM	634	C5'	A	B	2	5.534	-20.210	88.738	1.00	0.00	C
ATOM	635	O5'	A	B	2	5.584	-19.754	90.114	1.00	0.00	O
ATOM	636	H2	A	B	2	2.746	-13.204	86.634	1.00	0.00	H
ATOM	637	H8	A	B	2	4.499	-17.736	90.817	1.00	0.00	H
ATOM	638	H1'	A	B	2	5.972	-16.189	87.572	1.00	0.00	H
ATOM	639	H3'	A	B	2	8.013	-19.194	89.080	1.00	0.00	H
ATOM	640	H4'	A	B	2	6.547	-19.734	86.944	1.00	0.00	H
ATOM	641	H61	A	B	2	0.041	-13.456	90.219	1.00	0.00	H
ATOM	642	H62	A	B	2	0.699	-14.760	91.243	1.00	0.00	H
ATOM	643	H2'1	A	B	2	6.564	-17.624	90.178	1.00	0.00	H
ATOM	644	H2'2	A	B	2	7.597	-16.530	89.267	1.00	0.00	H
ATOM	645	H5'1	A	B	2	4.495	-20.313	88.422	1.00	0.00	H
ATOM	646	H5'2	A	B	2	6.034	-21.173	88.650	1.00	0.00	H
ATOM	647	C1'	C	B	3	7.217	-12.472	86.811	1.00	0.00	C
ATOM	648	N1	C	B	3	6.476	-12.634	88.092	1.00	0.00	N
ATOM	649	C2	C	B	3	5.370	-11.814	88.313	1.00	0.00	C
ATOM	650	O2	C	B	3	5.051	-10.992	87.443	1.00	0.00	O
ATOM	651	N3	C	B	3	4.682	-11.945	89.473	1.00	0.00	N
ATOM	652	C4	C	B	3	5.052	-12.843	90.396	1.00	0.00	C
ATOM	653	N4	C	B	3	4.339	-12.931	91.511	1.00	0.00	N
ATOM	654	C5	C	B	3	6.187	-13.696	90.198	1.00	0.00	C
ATOM	655	C6	C	B	3	6.863	-13.550	89.018	1.00	0.00	C
ATOM	656	C2'	C	B	3	8.725	-12.620	86.952	1.00	0.00	C
ATOM	657	C3'	C	B	3	9.100	-13.306	85.647	1.00	0.00	C
ATOM	658	O3'	C	B	3	9.261	-12.320	84.629	1.00	0.00	O
ATOM	659	C4'	C	B	3	7.903	-14.216	85.385	1.00	0.00	C
ATOM	660	O4'	C	B	3	6.760	-13.473	85.921	1.00	0.00	O
ATOM	661	C5'	C	B	3	7.941	-15.579	86.034	1.00	0.00	C
ATOM	662	O5'	C	B	3	8.558	-15.481	87.344	1.00	0.00	O
ATOM	663	O1P	C	B	3	10.684	-16.802	87.085	1.00	0.00	O
ATOM	664	O2P	C	B	3	9.603	-16.592	89.340	1.00	0.00	O
ATOM	665	P	C	B	3	9.437	-16.702	87.869	1.00	0.00	P
ATOM	666	H5	C	B	3	6.496	-14.423	90.949	1.00	0.00	H
ATOM	667	H6	C	B	3	7.729	-14.181	88.820	1.00	0.00	H
ATOM	668	H1'	C	B	3	6.956	-11.502	86.386	1.00	0.00	H

ATOM	669	H3'	C B	3	10.021	-13.882	85.739	1.00	0.00	H
ATOM	670	H4'	C B	3	7.847	-14.364	84.306	1.00	0.00	H
ATOM	671	H41	C B	3	4.600	-13.615	92.236	1.00	0.00	H
ATOM	672	H42	C B	3	3.525	-12.315	91.653	1.00	0.00	H
ATOM	673	H2'1	C B	3	9.004	-13.227	87.813	1.00	0.00	H
ATOM	674	H2'2	C B	3	9.228	-11.657	87.053	1.00	0.00	H
ATOM	675	H5'1	C B	3	6.923	-15.957	86.135	1.00	0.00	H
ATOM	676	H5'2	C B	3	8.515	-16.258	85.408	1.00	0.00	H
ATOM	677	C1'	C B	4	6.986	-7.528	86.618	1.00	0.00	C
ATOM	678	N1	C B	4	6.983	-8.236	87.927	1.00	0.00	N
ATOM	679	C2	C B	4	5.978	-7.918	88.838	1.00	0.00	C
ATOM	680	O2	C B	4	5.135	-7.067	88.525	1.00	0.00	O
ATOM	681	N3	C B	4	5.957	-8.550	90.037	1.00	0.00	N
ATOM	682	C4	C B	4	6.883	-9.467	90.348	1.00	0.00	C
ATOM	683	N4	C B	4	6.813	-10.059	91.532	1.00	0.00	N
ATOM	684	C5	C B	4	7.932	-9.811	89.432	1.00	0.00	C
ATOM	685	C6	C B	4	7.929	-9.165	88.228	1.00	0.00	C
ATOM	686	C2'	C B	4	8.379	-7.189	86.108	1.00	0.00	C
ATOM	687	C3'	C B	4	8.220	-7.368	84.606	1.00	0.00	C
ATOM	688	O3'	C B	4	7.688	-6.171	84.044	1.00	0.00	O
ATOM	689	C4'	C B	4	7.241	-8.537	84.506	1.00	0.00	C
ATOM	690	O4'	C B	4	6.367	-8.377	85.669	1.00	0.00	O
ATOM	691	C5'	C B	4	7.843	-9.923	84.541	1.00	0.00	C
ATOM	692	O5'	C B	4	8.972	-9.944	85.451	1.00	0.00	O
ATOM	693	O1P	C B	4	10.935	-10.365	83.934	1.00	0.00	O
ATOM	694	O2P	C B	4	11.027	-11.088	86.335	1.00	0.00	O
ATOM	695	P	C B	4	10.213	-10.885	85.112	1.00	0.00	P
ATOM	696	H5	C B	4	8.691	-10.551	89.684	1.00	0.00	H
ATOM	697	H6	C B	4	8.703	-9.398	87.497	1.00	0.00	H
ATOM	698	H1'	C B	4	6.375	-6.631	86.714	1.00	0.00	H
ATOM	699	H3'	C B	4	9.167	-7.606	84.120	1.00	0.00	H
ATOM	700	H4'	C B	4	6.713	-8.429	83.559	1.00	0.00	H
ATOM	701	H41	C B	4	7.512	-10.769	91.796	1.00	0.00	H
ATOM	702	H42	C B	4	6.060	-9.807	92.191	1.00	0.00	H
ATOM	703	H2'1	C B	4	9.142	-7.856	86.508	1.00	0.00	H
ATOM	704	H2'2	C B	4	8.673	-6.169	86.356	1.00	0.00	H
ATOM	705	H5'1	C B	4	7.088	-10.633	84.875	1.00	0.00	H
ATOM	706	H5'2	C B	4	8.173	-10.193	83.539	1.00	0.00	H
ATOM	707	C1'	G B	5	5.742	-3.064	88.363	1.00	0.00	C
ATOM	708	N1	G B	5	5.902	-5.416	92.888	1.00	0.00	N
ATOM	709	C2	G B	5	4.985	-4.504	92.392	1.00	0.00	C
ATOM	710	N2	G B	5	3.980	-4.173	93.211	1.00	0.00	N
ATOM	711	N3	G B	5	5.067	-3.966	91.176	1.00	0.00	N
ATOM	712	C4	G B	5	6.152	-4.409	90.486	1.00	0.00	C
ATOM	713	C5	G B	5	7.118	-5.309	90.902	1.00	0.00	C
ATOM	714	C6	G B	5	7.029	-5.884	92.190	1.00	0.00	C
ATOM	715	O6	G B	5	7.782	-6.693	92.731	1.00	0.00	O
ATOM	716	N7	G B	5	8.068	-5.496	89.894	1.00	0.00	N
ATOM	717	C8	G B	5	7.656	-4.721	88.924	1.00	0.00	C
ATOM	718	N9	G B	5	6.498	-4.027	89.210	1.00	0.00	N
ATOM	719	C2'	G B	5	6.631	-2.161	87.519	1.00	0.00	C
ATOM	720	C3'	G B	5	5.815	-2.012	86.245	1.00	0.00	C
ATOM	721	O3'	G B	5	4.864	-0.966	86.418	1.00	0.00	O
ATOM	722	C4'	G B	5	5.151	-3.381	86.106	1.00	0.00	C

ATOM	723	O4'	G B	5	4.923	-3.812	87.486	1.00	0.00	O
ATOM	724	C5'	G B	5	5.948	-4.446	85.392	1.00	0.00	C
ATOM	725	O5'	G B	5	7.354	-4.307	85.717	1.00	0.00	O
ATOM	726	O1P	G B	5	8.401	-3.661	83.522	1.00	0.00	O
ATOM	727	O2P	G B	5	9.757	-4.870	85.251	1.00	0.00	O
ATOM	728	P	G B	5	8.439	-4.663	84.604	1.00	0.00	P
ATOM	729	H1	G B	5	5.744	-5.777	93.841	1.00	0.00	H
ATOM	730	H8	G B	5	8.181	-4.631	87.972	1.00	0.00	H
ATOM	731	H1'	G B	5	5.093	-2.477	89.010	1.00	0.00	H
ATOM	732	H21	G B	5	3.921	-4.596	94.148	1.00	0.00	H
ATOM	733	H3'	G B	5	6.443	-1.792	85.380	1.00	0.00	H
ATOM	734	H22	G B	5	3.266	-3.497	92.904	1.00	0.00	H
ATOM	735	H4'	G B	5	4.226	-3.228	85.550	1.00	0.00	H
ATOM	736	H2'1	G B	5	7.604	-2.609	87.317	1.00	0.00	H
ATOM	737	H2'2	G B	5	6.808	-1.195	87.991	1.00	0.00	H
ATOM	738	H5'1	G B	5	5.592	-5.428	85.703	1.00	0.00	H
ATOM	739	H5'2	G B	5	5.807	-4.338	84.316	1.00	0.00	H
ATOM	740	C1'	T B	6	4.625	0.168	91.940	1.00	0.00	C
ATOM	741	N1	T B	6	5.852	-0.666	92.043	1.00	0.00	N
ATOM	742	C2	T B	6	6.041	-1.367	93.217	1.00	0.00	C
ATOM	743	O2	T B	6	5.254	-1.323	94.146	1.00	0.00	O
ATOM	744	N3	T B	6	7.192	-2.131	93.268	1.00	0.00	N
ATOM	745	C4	T B	6	8.146	-2.248	92.278	1.00	0.00	C
ATOM	746	O4	T B	6	9.141	-2.963	92.441	1.00	0.00	O
ATOM	747	C5	T B	6	7.860	-1.480	91.091	1.00	0.00	C
ATOM	748	C6	T B	6	6.747	-0.726	91.004	1.00	0.00	C
ATOM	749	C7	T B	6	8.870	-1.581	89.985	1.00	0.00	C
ATOM	750	C2'	T B	6	4.840	1.488	91.209	1.00	0.00	C
ATOM	751	C3'	T B	6	3.520	1.660	90.474	1.00	0.00	C
ATOM	752	O3'	T B	6	2.571	2.266	91.349	1.00	0.00	O
ATOM	753	C4'	T B	6	3.141	0.226	90.113	1.00	0.00	C
ATOM	754	O4'	T B	6	3.656	-0.573	91.225	1.00	0.00	O
ATOM	755	C5'	T B	6	3.713	-0.317	88.823	1.00	0.00	C
ATOM	756	O5'	T B	6	5.058	0.193	88.632	1.00	0.00	O
ATOM	757	O1P	T B	6	4.840	1.651	86.592	1.00	0.00	O
ATOM	758	O2P	T B	6	7.040	0.576	87.138	1.00	0.00	O
ATOM	759	P	T B	6	5.561	0.489	87.147	1.00	0.00	P
ATOM	760	H3	T B	6	7.355	-2.667	94.133	1.00	0.00	H
ATOM	761	H6	T B	6	6.554	-0.155	90.096	1.00	0.00	H
ATOM	762	H1'	T B	6	4.241	0.339	92.946	1.00	0.00	H
ATOM	763	H3'	T B	6	3.629	2.275	89.580	1.00	0.00	H
ATOM	764	H4'	T B	6	2.054	0.195	90.033	1.00	0.00	H
ATOM	765	H71	T B	6	9.349	-0.612	89.840	1.00	0.00	H
ATOM	766	H72	T B	6	9.625	-2.324	90.249	1.00	0.00	H
ATOM	767	H73	T B	6	8.372	-1.881	89.063	1.00	0.00	H
ATOM	768	H2'1	T B	6	5.677	1.444	90.516	1.00	0.00	H
ATOM	769	H2'2	T B	6	5.022	2.316	91.894	1.00	0.00	H
ATOM	770	H5'1	T B	6	3.735	-1.406	88.872	1.00	0.00	H
ATOM	771	H5'2	T B	6	3.080	-0.007	87.993	1.00	0.00	H
ATOM	772	C1'	C B	7	4.749	1.835	96.617	1.00	0.00	C
ATOM	773	N1	C B	7	6.009	1.474	95.909	1.00	0.00	N
ATOM	774	C2	C B	7	6.893	0.608	96.548	1.00	0.00	C
ATOM	775	O2	C B	7	6.598	0.175	97.671	1.00	0.00	O
ATOM	776	N3	C B	7	8.046	0.269	95.921	1.00	0.00	N

ATOM	777	C4	C B	7	8.338	0.756	94.708	1.00	0.00	C
ATOM	778	N4	C B	7	9.476	0.388	94.140	1.00	0.00	N
ATOM	779	C5	C B	7	7.450	1.652	94.028	1.00	0.00	C
ATOM	780	C6	C B	7	6.292	1.977	94.677	1.00	0.00	C
ATOM	781	C2'	C B	7	4.325	3.282	96.419	1.00	0.00	C
ATOM	782	C3'	C B	7	2.809	3.165	96.378	1.00	0.00	C
ATOM	783	O3'	C B	7	2.304	3.168	97.711	1.00	0.00	O
ATOM	784	C4'	C B	7	2.590	1.825	95.680	1.00	0.00	C
ATOM	785	O4'	C B	7	3.721	1.004	96.112	1.00	0.00	O
ATOM	786	C5'	C B	7	2.562	1.851	94.168	1.00	0.00	C
ATOM	787	O5'	C B	7	3.517	2.826	93.679	1.00	0.00	O
ATOM	788	O1P	C B	7	2.067	4.576	92.601	1.00	0.00	O
ATOM	789	O2P	C B	7	4.417	4.227	91.798	1.00	0.00	O
ATOM	790	P	C B	7	3.174	3.635	92.348	1.00	0.00	P
ATOM	791	H5	C B	7	7.687	2.055	93.043	1.00	0.00	H
ATOM	792	H6	C B	7	5.581	2.648	94.196	1.00	0.00	H
ATOM	793	H1'	C B	7	4.876	1.604	97.675	1.00	0.00	H
ATOM	794	H3'	C B	7	2.351	3.982	95.818	1.00	0.00	H
ATOM	795	H4'	C B	7	1.629	1.443	96.022	1.00	0.00	H
ATOM	796	H41	C B	7	9.723	0.745	93.205	1.00	0.00	H
ATOM	797	H42	C B	7	10.115	-0.255	94.632	1.00	0.00	H
ATOM	798	H2'1	C B	7	4.715	3.705	95.493	1.00	0.00	H
ATOM	799	H2'2	C B	7	4.652	3.925	97.236	1.00	0.00	H
ATOM	800	H5'1	C B	7	2.815	0.862	93.788	1.00	0.00	H
ATOM	801	H5'2	C B	7	1.561	2.120	93.834	1.00	0.00	H
ATOM	802	C1'	C B	8	6.723	2.269	101.139	1.00	0.00	C
ATOM	803	N1	C B	8	7.542	2.539	99.927	1.00	0.00	N
ATOM	804	C2	C B	8	8.772	1.894	99.812	1.00	0.00	C
ATOM	805	O2	C B	8	9.130	1.128	100.717	1.00	0.00	O
ATOM	806	N3	C B	8	9.534	2.127	98.716	1.00	0.00	N
ATOM	807	C4	C B	8	9.119	2.962	97.754	1.00	0.00	C
ATOM	808	N4	C B	8	9.902	3.149	96.702	1.00	0.00	N
ATOM	809	C5	C B	8	7.860	3.644	97.845	1.00	0.00	C
ATOM	810	C6	C B	8	7.107	3.390	98.958	1.00	0.00	C
ATOM	811	C2'	C B	8	5.983	3.491	101.666	1.00	0.00	C
ATOM	812	C3'	C B	8	4.683	2.884	102.168	1.00	0.00	C
ATOM	813	O3'	C B	8	4.876	2.391	103.491	1.00	0.00	O
ATOM	814	C4'	C B	8	4.424	1.761	101.166	1.00	0.00	C
ATOM	815	O4'	C B	8	5.760	1.290	100.797	1.00	0.00	O
ATOM	816	C5'	C B	8	3.683	2.142	99.906	1.00	0.00	C
ATOM	817	O5'	C B	8	4.086	3.470	99.482	1.00	0.00	O
ATOM	818	O1P	C B	8	1.991	4.834	99.767	1.00	0.00	O
ATOM	819	O2P	C B	8	3.703	5.504	98.061	1.00	0.00	O
ATOM	820	P	C B	8	3.009	4.412	98.785	1.00	0.00	P
ATOM	821	H5	C B	8	7.522	4.329	97.070	1.00	0.00	H
ATOM	822	H6	C B	8	6.139	3.879	99.069	1.00	0.00	H
ATOM	823	H1'	C B	8	7.374	1.845	101.904	1.00	0.00	H
ATOM	824	H3'	C B	8	3.868	3.608	102.167	1.00	0.00	H
ATOM	825	H4'	C B	8	3.831	1.006	101.682	1.00	0.00	H
ATOM	826	H41	C B	8	9.606	3.784	95.946	1.00	0.00	H
ATOM	827	H42	C B	8	10.807	2.660	96.638	1.00	0.00	H
ATOM	828	H2'1	C B	8	5.802	4.232	100.889	1.00	0.00	H
ATOM	829	H2'2	C B	8	6.528	3.987	102.471	1.00	0.00	H
ATOM	830	H5'1	C B	8	3.912	1.420	99.122	1.00	0.00	H

ATOM	831	H5'2	C B	8	2.612	2.129	100.103	1.00	0.00	H
ATOM	832	C1'	T B	9	10.449	2.230	104.395	1.00	0.00	C
ATOM	833	N1	T B	9	10.552	3.037	103.150	1.00	0.00	N
ATOM	834	C2	T B	9	11.684	2.869	102.381	1.00	0.00	C
ATOM	835	O2	T B	9	12.579	2.099	102.685	1.00	0.00	O
ATOM	836	N3	T B	9	11.739	3.637	101.233	1.00	0.00	N
ATOM	837	C4	T B	9	10.787	4.537	100.802	1.00	0.00	C
ATOM	838	O4	T B	9	10.948	5.175	99.754	1.00	0.00	O
ATOM	839	C5	T B	9	9.639	4.646	101.671	1.00	0.00	C
ATOM	840	C6	T B	9	9.552	3.910	102.797	1.00	0.00	C
ATOM	841	C7	T B	9	8.577	5.611	101.238	1.00	0.00	C
ATOM	842	C2'	T B	9	9.815	2.978	105.563	1.00	0.00	C
ATOM	843	C3'	T B	9	9.034	1.874	106.258	1.00	0.00	C
ATOM	844	O3'	T B	9	9.904	1.171	107.143	1.00	0.00	O
ATOM	845	C4'	T B	9	8.564	1.004	105.095	1.00	0.00	C
ATOM	846	O4'	T B	9	9.646	1.102	104.114	1.00	0.00	O
ATOM	847	C5'	T B	9	7.269	1.410	104.430	1.00	0.00	C
ATOM	848	O5'	T B	9	7.171	2.856	104.395	1.00	0.00	O
ATOM	849	O1P	T B	9	5.223	3.345	105.911	1.00	0.00	O
ATOM	850	O2P	T B	9	5.796	4.931	104.052	1.00	0.00	O
ATOM	851	P	T B	9	5.733	3.532	104.537	1.00	0.00	P
ATOM	852	H3	T B	9	12.573	3.527	100.640	1.00	0.00	H
ATOM	853	H6	T B	9	8.676	4.009	103.437	1.00	0.00	H
ATOM	854	H1'	T B	9	11.446	1.875	104.655	1.00	0.00	H
ATOM	855	H3'	T B	9	8.187	2.269	106.821	1.00	0.00	H
ATOM	856	H4'	T B	9	8.434	-0.006	105.488	1.00	0.00	H
ATOM	857	H71	T B	9	8.516	6.430	101.955	1.00	0.00	H
ATOM	858	H72	T B	9	8.824	6.008	100.253	1.00	0.00	H
ATOM	859	H73	T B	9	7.615	5.099	101.192	1.00	0.00	H
ATOM	860	H2'1	T B	9	9.158	3.781	105.230	1.00	0.00	H
ATOM	861	H2'2	T B	9	10.560	3.417	106.225	1.00	0.00	H
ATOM	862	H5'1	T B	9	7.247	1.014	103.416	1.00	0.00	H
ATOM	863	H5'2	T B	9	6.435	0.999	104.995	1.00	0.00	H
ATOM	864	C1'	A B	10	15.218	2.660	105.704	1.00	0.00	C
ATOM	865	N1	A B	10	15.517	5.621	101.524	1.00	0.00	N
ATOM	866	C2	A B	10	16.318	4.682	102.020	1.00	0.00	C
ATOM	867	N3	A B	10	16.178	3.952	103.105	1.00	0.00	N
ATOM	868	C4	A B	10	15.039	4.276	103.741	1.00	0.00	C
ATOM	869	C5	A B	10	14.113	5.211	103.367	1.00	0.00	C
ATOM	870	C6	A B	10	14.386	5.922	102.181	1.00	0.00	C
ATOM	871	N6	A B	10	13.569	6.871	101.689	1.00	0.00	N
ATOM	872	N7	A B	10	13.066	5.265	104.269	1.00	0.00	N
ATOM	873	C8	A B	10	13.377	4.373	105.163	1.00	0.00	C
ATOM	874	N9	A B	10	14.560	3.730	104.907	1.00	0.00	N
ATOM	875	C2'	A B	10	15.074	2.842	107.209	1.00	0.00	C
ATOM	876	C3'	A B	10	14.948	1.405	107.692	1.00	0.00	C
ATOM	877	O3'	A B	10	16.250	0.848	107.850	1.00	0.00	O
ATOM	878	C4'	A B	10	14.167	0.735	106.562	1.00	0.00	C
ATOM	879	O4'	A B	10	14.614	1.429	105.354	1.00	0.00	O
ATOM	880	C5'	A B	10	12.662	0.823	106.642	1.00	0.00	C
ATOM	881	O5'	A B	10	12.274	2.113	107.182	1.00	0.00	O
ATOM	882	O1P	A B	10	11.218	1.526	109.390	1.00	0.00	O
ATOM	883	O2P	A B	10	10.523	3.612	108.181	1.00	0.00	O
ATOM	884	P	A B	10	10.973	2.200	108.100	1.00	0.00	P

ATOM	885	H2	A B	10	17.221	4.490	101.441	1.00	0.00	H
ATOM	886	H8	A B	10	12.756	4.158	106.033	1.00	0.00	H
ATOM	887	H1'	A B	10	16.267	2.615	105.414	1.00	0.00	H
ATOM	888	H3'	A B	10	14.409	1.337	108.636	1.00	0.00	H
ATOM	889	H4'	A B	10	14.440	-0.321	106.572	1.00	0.00	H
ATOM	890	H61	A B	10	13.813	7.357	100.818	1.00	0.00	H
ATOM	891	H62	A B	10	12.699	7.109	102.187	1.00	0.00	H
ATOM	892	H2'1	A B	10	14.195	3.427	107.474	1.00	0.00	H
ATOM	893	H2'2	A B	10	15.941	3.333	107.651	1.00	0.00	H
ATOM	894	H5'1	A B	10	12.242	0.701	105.644	1.00	0.00	H
ATOM	895	H5'2	A B	10	12.290	0.029	107.286	1.00	0.00	H
ATOM	896	C1'	G B	11	19.848	4.358	105.136	1.00	0.00	C
ATOM	897	N1	G B	11	17.560	8.147	102.601	1.00	0.00	N
ATOM	898	C2	G B	11	18.716	7.451	102.302	1.00	0.00	C
ATOM	899	N2	G B	11	19.349	7.814	101.180	1.00	0.00	N
ATOM	900	N3	G B	11	19.204	6.470	103.062	1.00	0.00	N
ATOM	901	C4	G B	11	18.438	6.242	104.161	1.00	0.00	C
ATOM	902	C5	G B	11	17.275	6.886	104.542	1.00	0.00	C
ATOM	903	C6	G B	11	16.755	7.925	103.735	1.00	0.00	C
ATOM	904	O6	G B	11	15.744	8.608	103.904	1.00	0.00	O
ATOM	905	N7	G B	11	16.796	6.353	105.741	1.00	0.00	N
ATOM	906	C8	G B	11	17.664	5.420	106.040	1.00	0.00	C
ATOM	907	N9	G B	11	18.693	5.293	105.130	1.00	0.00	N
ATOM	908	C2'	G B	11	20.421	4.100	106.522	1.00	0.00	C
ATOM	909	C3'	G B	11	20.825	2.638	106.433	1.00	0.00	C
ATOM	910	O3'	G B	11	22.122	2.546	105.848	1.00	0.00	O
ATOM	911	C4'	G B	11	19.743	2.039	105.537	1.00	0.00	C
ATOM	912	O4'	G B	11	19.404	3.121	104.611	1.00	0.00	O
ATOM	913	C5'	G B	11	18.480	1.579	106.226	1.00	0.00	C
ATOM	914	O5'	G B	11	18.161	2.477	107.317	1.00	0.00	O
ATOM	915	O1P	G B	11	18.443	1.037	109.361	1.00	0.00	O
ATOM	916	O2P	G B	11	16.859	2.980	109.405	1.00	0.00	O
ATOM	917	P	G B	11	17.479	1.880	108.629	1.00	0.00	P
ATOM	918	H1	G B	11	17.264	8.883	101.943	1.00	0.00	H
ATOM	919	H8	G B	11	17.583	4.801	106.932	1.00	0.00	H
ATOM	920	H1'	G B	11	20.612	4.751	104.464	1.00	0.00	H
ATOM	921	H21	G B	11	18.966	8.571	100.595	1.00	0.00	H
ATOM	922	H3'	G B	11	20.836	2.156	107.412	1.00	0.00	H
ATOM	923	H22	G B	11	20.219	7.337	100.902	1.00	0.00	H
ATOM	924	H4'	G B	11	20.185	1.175	105.039	1.00	0.00	H
ATOM	925	H2'1	G B	11	19.684	4.261	107.310	1.00	0.00	H
ATOM	926	H2'2	G B	11	21.278	4.737	106.740	1.00	0.00	H
ATOM	927	H5'1	G B	11	17.663	1.569	105.506	1.00	0.00	H
ATOM	928	H5'2	G B	11	18.631	0.570	106.611	1.00	0.00	H
ATOM	929	C1'	G B	12	23.244	7.583	103.527	1.00	0.00	C
ATOM	930	N1	G B	12	19.347	10.874	103.646	1.00	0.00	N
ATOM	931	C2	G B	12	20.338	10.703	102.695	1.00	0.00	C
ATOM	932	N2	G B	12	20.284	11.520	101.635	1.00	0.00	N
ATOM	933	N3	G B	12	21.303	9.792	102.792	1.00	0.00	N
ATOM	934	C4	G B	12	21.208	9.059	103.932	1.00	0.00	C
ATOM	935	C5	G B	12	20.260	9.160	104.937	1.00	0.00	C
ATOM	936	C6	G B	12	19.233	10.125	104.833	1.00	0.00	C
ATOM	937	O6	G B	12	18.312	10.367	105.613	1.00	0.00	O
ATOM	938	N7	G B	12	20.518	8.223	105.939	1.00	0.00	N

ATOM	939	C8	G B	12	21.585	7.595	105.520	1.00	0.00	C
ATOM	940	N9	G B	12	22.064	8.047	104.307	1.00	0.00	N
ATOM	941	C2'	G B	12	24.439	7.206	104.390	1.00	0.00	C
ATOM	942	C3'	G B	12	25.029	6.033	103.621	1.00	0.00	C
ATOM	943	O3'	G B	12	25.886	6.529	102.595	1.00	0.00	O
ATOM	944	C4'	G B	12	23.791	5.342	103.054	1.00	0.00	C
ATOM	945	O4'	G B	12	22.854	6.436	102.796	1.00	0.00	O
ATOM	946	C5'	G B	12	23.116	4.330	103.950	1.00	0.00	C
ATOM	947	O5'	G B	12	23.182	4.775	105.328	1.00	0.00	O
ATOM	948	O1P	G B	12	24.667	3.062	106.422	1.00	0.00	O
ATOM	949	O2P	G B	12	22.949	4.285	107.782	1.00	0.00	O
ATOM	950	P	G B	12	23.329	3.682	106.481	1.00	0.00	P
ATOM	951	H1	G B	12	18.641	11.606	103.473	1.00	0.00	H
ATOM	952	H8	G B	12	22.056	6.786	106.077	1.00	0.00	H
ATOM	953	H1'	G B	12	23.508	8.361	102.812	1.00	0.00	H
ATOM	954	H21	G B	12	19.531	12.221	101.563	1.00	0.00	H
ATOM	955	H3'	G B	12	25.592	5.361	104.268	1.00	0.00	H
ATOM	956	H22	G B	12	20.993	11.446	100.892	1.00	0.00	H
ATOM	957	H4'	G B	12	24.103	4.827	102.147	1.00	0.00	H
ATOM	958	H2'1	G B	12	24.146	6.912	105.397	1.00	0.00	H
ATOM	959	H2'2	G B	12	25.158	8.019	104.482	1.00	0.00	H
ATOM	960	H5'1	G B	12	22.075	4.222	103.647	1.00	0.00	H
ATOM	961	H5'2	G B	12	23.622	3.370	103.849	1.00	0.00	H
ATOM	962	C1'	T B	13	24.804	12.041	102.046	1.00	0.00	C
ATOM	963	N1	T B	13	24.050	11.897	103.319	1.00	0.00	N
ATOM	964	C2	T B	13	22.961	12.726	103.505	1.00	0.00	C
ATOM	965	O2	T B	13	22.612	13.550	102.676	1.00	0.00	O
ATOM	966	N3	T B	13	22.289	12.558	104.700	1.00	0.00	N
ATOM	967	C4	T B	13	22.601	11.662	105.701	1.00	0.00	C
ATOM	968	O4	T B	13	21.925	11.605	106.735	1.00	0.00	O
ATOM	969	C5	T B	13	23.753	10.838	105.418	1.00	0.00	C
ATOM	970	C6	T B	13	24.433	10.974	104.260	1.00	0.00	C
ATOM	971	C7	T B	13	24.130	9.847	106.477	1.00	0.00	C
ATOM	972	C2'	T B	13	26.313	11.881	102.204	1.00	0.00	C
ATOM	973	C3'	T B	13	26.694	11.183	100.908	1.00	0.00	C
ATOM	974	O3'	T B	13	26.874	12.160	99.886	1.00	0.00	O
ATOM	975	C4'	T B	13	25.491	10.280	100.641	1.00	0.00	C
ATOM	976	O4'	T B	13	24.351	11.036	101.160	1.00	0.00	O
ATOM	977	C5'	T B	13	25.510	8.921	101.302	1.00	0.00	C
ATOM	978	O5'	T B	13	26.115	9.024	102.616	1.00	0.00	O
ATOM	979	O1P	T B	13	28.233	7.684	102.390	1.00	0.00	O
ATOM	980	O2P	T B	13	27.130	7.921	104.632	1.00	0.00	O
ATOM	981	P	T B	13	26.978	7.801	103.162	1.00	0.00	P
ATOM	982	H3	T B	13	21.470	13.164	104.861	1.00	0.00	H
ATOM	983	H6	T B	13	25.299	10.341	104.070	1.00	0.00	H
ATOM	984	H1'	T B	13	24.558	13.009	101.609	1.00	0.00	H
ATOM	985	H3'	T B	13	27.608	10.598	101.015	1.00	0.00	H
ATOM	986	H4'	T B	13	25.446	10.124	99.564	1.00	0.00	H
ATOM	987	H71	T B	13	25.100	10.112	106.897	1.00	0.00	H
ATOM	988	H72	T B	13	23.377	9.856	107.268	1.00	0.00	H
ATOM	989	H73	T B	13	24.185	8.849	106.040	1.00	0.00	H
ATOM	990	H2'1	T B	13	26.574	11.279	103.072	1.00	0.00	H
ATOM	991	H2'2	T B	13	26.821	12.840	102.302	1.00	0.00	H
ATOM	992	H5'1	T B	13	24.489	8.553	101.393	1.00	0.00	H

ATOM	993	H5'2	T	B	13	26.087	8.233	100.687	1.00	0.00	H
ATOM	994	C1'	G	B	14	24.554	16.995	101.860	1.00	0.00	C
ATOM	995	N1	G	B	14	22.171	16.492	106.343	1.00	0.00	N
ATOM	996	C2	G	B	14	21.879	17.316	105.271	1.00	0.00	C
ATOM	997	N2	G	B	14	20.813	18.111	105.410	1.00	0.00	N
ATOM	998	N3	G	B	14	22.595	17.341	104.147	1.00	0.00	N
ATOM	999	C4	G	B	14	23.642	16.475	104.181	1.00	0.00	C
ATOM	1000	C5	G	B	14	24.012	15.622	105.206	1.00	0.00	C
ATOM	1001	C6	G	B	14	23.250	15.591	106.398	1.00	0.00	C
ATOM	1002	O6	G	B	14	23.420	14.907	107.410	1.00	0.00	O
ATOM	1003	N7	G	B	14	25.151	14.899	104.846	1.00	0.00	N
ATOM	1004	C8	G	B	14	25.428	15.326	103.641	1.00	0.00	C
ATOM	1005	N9	G	B	14	24.556	16.286	103.168	1.00	0.00	N
ATOM	1006	C2'	G	B	14	25.946	17.335	101.345	1.00	0.00	C
ATOM	1007	C3'	G	B	14	25.781	17.160	99.844	1.00	0.00	C
ATOM	1008	O3'	G	B	14	25.247	18.358	99.288	1.00	0.00	O
ATOM	1009	C4'	G	B	14	24.800	15.992	99.746	1.00	0.00	C
ATOM	1010	O4'	G	B	14	23.931	16.151	100.912	1.00	0.00	O
ATOM	1011	C5'	G	B	14	25.399	14.607	99.775	1.00	0.00	C
ATOM	1012	O5'	G	B	14	26.532	14.580	100.680	1.00	0.00	O
ATOM	1013	O1P	G	B	14	28.489	14.159	99.155	1.00	0.00	O
ATOM	1014	O2P	G	B	14	28.588	13.433	101.554	1.00	0.00	O
ATOM	1015	P	G	B	14	27.770	13.639	100.333	1.00	0.00	P
ATOM	1016	H1	G	B	14	21.548	16.544	107.165	1.00	0.00	H
ATOM	1017	H8	G	B	14	26.274	14.956	103.061	1.00	0.00	H
ATOM	1018	H1'	G	B	14	23.945	17.895	101.960	1.00	0.00	H
ATOM	1019	H21	G	B	14	20.261	18.083	106.281	1.00	0.00	H
ATOM	1020	H3'	G	B	14	26.725	16.921	99.353	1.00	0.00	H
ATOM	1021	H22	G	B	14	20.544	18.751	104.649	1.00	0.00	H
ATOM	1022	H4'	G	B	14	24.268	16.105	98.801	1.00	0.00	H
ATOM	1023	H2'1	G	B	14	26.709	16.666	101.741	1.00	0.00	H
ATOM	1024	H2'2	G	B	14	26.244	18.353	101.594	1.00	0.00	H
ATOM	1025	H5'1	G	B	14	24.644	13.896	100.109	1.00	0.00	H
ATOM	1026	H5'2	G	B	14	25.725	14.336	98.770	1.00	0.00	H
ATOM	1027	C1'	C	B	15	23.310	21.461	103.604	1.00	0.00	C
ATOM	1028	N1	C	B	15	24.060	20.499	104.455	1.00	0.00	N
ATOM	1029	C2	C	B	15	23.564	20.227	105.728	1.00	0.00	C
ATOM	1030	O2	C	B	15	22.528	20.794	106.097	1.00	0.00	O
ATOM	1031	N3	C	B	15	24.233	19.354	106.519	1.00	0.00	N
ATOM	1032	C4	C	B	15	25.353	18.758	106.093	1.00	0.00	C
ATOM	1033	N4	C	B	15	25.965	17.910	106.906	1.00	0.00	N
ATOM	1034	C5	C	B	15	25.891	19.021	104.788	1.00	0.00	C
ATOM	1035	C6	C	B	15	25.198	19.900	104.008	1.00	0.00	C
ATOM	1036	C2'	C	B	15	24.203	22.365	102.765	1.00	0.00	C
ATOM	1037	C3'	C	B	15	23.393	22.513	101.486	1.00	0.00	C
ATOM	1038	O3'	C	B	15	22.439	23.560	101.653	1.00	0.00	O
ATOM	1039	C4'	C	B	15	22.728	21.145	101.344	1.00	0.00	C
ATOM	1040	O4'	C	B	15	22.494	20.712	102.724	1.00	0.00	O
ATOM	1041	C5'	C	B	15	23.531	20.077	100.635	1.00	0.00	C
ATOM	1042	O5'	C	B	15	24.935	20.219	100.968	1.00	0.00	O
ATOM	1043	O1P	C	B	15	25.992	20.865	98.777	1.00	0.00	O
ATOM	1044	O2P	C	B	15	27.343	19.655	100.512	1.00	0.00	O
ATOM	1045	P	C	B	15	26.026	19.863	99.861	1.00	0.00	P
ATOM	1046	H5	C	B	15	26.806	18.542	104.440	1.00	0.00	H

ATOM	1047	H6	C B	15	25.562	20.127	103.007	1.00	0.00	H
ATOM	1048	H1'	C B	15	22.656	22.049	104.250	1.00	0.00	H
ATOM	1049	H3'	C B	15	24.025	22.732	100.626	1.00	0.00	H
ATOM	1050	H4'	C B	15	21.807	21.296	100.783	1.00	0.00	H
ATOM	1051	H41	C B	15	26.828	17.433	106.601	1.00	0.00	H
ATOM	1052	H42	C B	15	25.578	17.724	107.843	1.00	0.00	H
ATOM	1053	H2'1	C B	15	25.176	21.917	102.569	1.00	0.00	H
ATOM	1054	H2'2	C B	15	24.377	23.331	103.239	1.00	0.00	H
ATOM	1055	H5'1	C B	15	23.175	19.096	100.946	1.00	0.00	H
ATOM	1056	H5'2	C B	15	23.396	20.186	99.559	1.00	0.00	H
ATOM	1057	C1'	G B	16	22.201	24.678	107.201	1.00	0.00	C
ATOM	1058	N1	G B	16	24.923	21.496	110.111	1.00	0.00	N
ATOM	1059	C2	G B	16	23.725	22.135	110.376	1.00	0.00	C
ATOM	1060	N2	G B	16	23.182	21.898	111.576	1.00	0.00	N
ATOM	1061	N3	G B	16	23.119	22.947	109.512	1.00	0.00	N
ATOM	1062	C4	G B	16	23.813	23.078	108.351	1.00	0.00	C
ATOM	1063	C5	G B	16	25.014	22.484	108.002	1.00	0.00	C
ATOM	1064	C6	G B	16	25.657	21.618	108.917	1.00	0.00	C
ATOM	1065	O6	G B	16	26.716	21.003	108.791	1.00	0.00	O
ATOM	1066	N7	G B	16	25.393	22.879	106.716	1.00	0.00	N
ATOM	1067	C8	G B	16	24.431	23.682	106.336	1.00	0.00	C
ATOM	1068	N9	G B	16	23.436	23.853	107.277	1.00	0.00	N
ATOM	1069	C2'	G B	16	22.394	26.006	106.479	1.00	0.00	C
ATOM	1070	C3'	G B	16	21.063	26.175	105.764	1.00	0.00	C
ATOM	1071	O3'	G B	16	20.123	26.765	106.660	1.00	0.00	O
ATOM	1072	C4'	G B	16	20.688	24.740	105.397	1.00	0.00	C
ATOM	1073	O4'	G B	16	21.226	23.936	106.496	1.00	0.00	O
ATOM	1074	C5'	G B	16	21.245	24.214	104.095	1.00	0.00	C
ATOM	1075	O5'	G B	16	22.580	24.735	103.886	1.00	0.00	O
ATOM	1076	O1P	G B	16	22.323	26.210	101.863	1.00	0.00	O
ATOM	1077	O2P	G B	16	24.538	25.146	102.365	1.00	0.00	O
ATOM	1078	P	G B	16	23.058	25.048	102.396	1.00	0.00	P
ATOM	1079	H1	G B	16	25.306	20.881	110.847	1.00	0.00	H
ATOM	1080	H8	G B	16	24.417	24.170	105.363	1.00	0.00	H
ATOM	1081	H1'	G B	16	21.832	24.837	108.215	1.00	0.00	H
ATOM	1082	H21	G B	16	23.656	21.265	112.238	1.00	0.00	H
ATOM	1083	H3'	G B	16	21.153	26.798	104.874	1.00	0.00	H
ATOM	1084	H22	G B	16	22.292	22.346	111.835	1.00	0.00	H
ATOM	1085	H4'	G B	16	19.601	24.703	105.335	1.00	0.00	H
ATOM	1086	H2'1	G B	16	23.223	25.974	105.771	1.00	0.00	H
ATOM	1087	H2'2	G B	16	22.582	26.830	107.168	1.00	0.00	H
ATOM	1088	H5'1	G B	16	21.274	23.125	104.134	1.00	0.00	H
ATOM	1089	H5'2	G B	16	20.596	24.527	103.278	1.00	0.00	H
ATOM	1090	C1'	G B	17	22.319	26.359	111.858	1.00	0.00	C
ATOM	1091	N1	G B	17	26.647	23.672	112.115	1.00	0.00	N
ATOM	1092	C2	G B	17	25.618	23.788	113.033	1.00	0.00	C
ATOM	1093	N2	G B	17	25.762	23.096	114.169	1.00	0.00	N
ATOM	1094	N3	G B	17	24.532	24.531	112.830	1.00	0.00	N
ATOM	1095	C4	G B	17	24.558	25.168	111.629	1.00	0.00	C
ATOM	1096	C5	G B	17	25.541	25.115	110.656	1.00	0.00	C
ATOM	1097	C6	G B	17	26.691	24.323	110.868	1.00	0.00	C
ATOM	1098	O6	G B	17	27.662	24.150	110.130	1.00	0.00	O
ATOM	1099	N7	G B	17	25.186	25.915	109.567	1.00	0.00	N
ATOM	1100	C8	G B	17	24.024	26.412	109.906	1.00	0.00	C

ATOM	1101	N9	G B	17	23.577	26.005	111.147	1.00	0.00	N
ATOM	1102	C2'	G B	17	21.888	27.806	111.660	1.00	0.00	C
ATOM	1103	C3'	G B	17	20.372	27.685	111.625	1.00	0.00	C
ATOM	1104	O3'	G B	17	19.872	27.687	112.960	1.00	0.00	O
ATOM	1105	C4'	G B	17	20.155	26.344	110.929	1.00	0.00	C
ATOM	1106	O4'	G B	17	21.290	25.526	111.358	1.00	0.00	O
ATOM	1107	C5'	G B	17	20.122	26.368	109.418	1.00	0.00	C
ATOM	1108	O5'	G B	17	21.073	27.342	108.923	1.00	0.00	O
ATOM	1109	O1P	G B	17	19.612	29.088	107.850	1.00	0.00	O
ATOM	1110	O2P	G B	17	21.961	28.746	107.037	1.00	0.00	O
ATOM	1111	P	G B	17	20.723	28.151	107.593	1.00	0.00	P
ATOM	1112	H1	G B	17	27.444	23.066	112.366	1.00	0.00	H
ATOM	1113	H8	G B	17	23.459	27.089	109.267	1.00	0.00	H
ATOM	1114	H1'	G B	17	22.449	26.132	112.915	1.00	0.00	H
ATOM	1115	H21	G B	17	26.603	22.519	114.317	1.00	0.00	H
ATOM	1116	H3'	G B	17	19.911	28.497	111.065	1.00	0.00	H
ATOM	1117	H22	G B	17	25.032	23.142	114.894	1.00	0.00	H
ATOM	1118	H4'	G B	17	19.198	25.957	111.276	1.00	0.00	H
ATOM	1119	H2'1	G B	17	22.274	28.228	110.733	1.00	0.00	H
ATOM	1120	H2'2	G B	17	22.217	28.450	112.474	1.00	0.00	H
ATOM	1121	H5'1	G B	17	20.377	25.380	109.039	1.00	0.00	H
ATOM	1122	H5'2	G B	17	19.118	26.632	109.088	1.00	0.00	H
ATOM	1123	C1'	C B	18	24.291	26.794	116.381	1.00	0.00	C
ATOM	1124	N1	C B	18	25.110	27.063	115.167	1.00	0.00	N
ATOM	1125	C2	C B	18	26.340	26.417	115.054	1.00	0.00	C
ATOM	1126	O2	C B	18	26.697	25.652	115.957	1.00	0.00	O
ATOM	1127	N3	C B	18	27.100	26.651	113.958	1.00	0.00	N
ATOM	1128	C4	C B	18	26.685	27.486	112.997	1.00	0.00	C
ATOM	1129	N4	C B	18	27.468	27.676	111.946	1.00	0.00	N
ATOM	1130	C5	C B	18	25.428	28.165	113.090	1.00	0.00	C
ATOM	1131	C6	C B	18	24.677	27.914	114.200	1.00	0.00	C
ATOM	1132	C2'	C B	18	23.552	28.016	116.909	1.00	0.00	C
ATOM	1133	C3'	C B	18	22.251	27.409	117.410	1.00	0.00	C
ATOM	1134	O3'	C B	18	22.444	26.915	118.733	1.00	0.00	O
ATOM	1135	C4'	C B	18	21.992	26.287	116.408	1.00	0.00	C
ATOM	1136	O4'	C B	18	23.328	25.815	116.039	1.00	0.00	O
ATOM	1137	C5'	C B	18	21.251	26.667	115.148	1.00	0.00	C
ATOM	1138	O5'	C B	18	21.655	27.994	114.724	1.00	0.00	O
ATOM	1139	O1P	C B	18	19.559	29.360	115.008	1.00	0.00	O
ATOM	1140	O2P	C B	18	21.272	30.030	113.301	1.00	0.00	O
ATOM	1141	P	C B	18	20.577	28.938	114.025	1.00	0.00	P
ATOM	1142	H5	C B	18	25.087	28.849	112.311	1.00	0.00	H
ATOM	1143	H6	C B	18	23.711	28.405	114.312	1.00	0.00	H
ATOM	1144	H1'	C B	18	24.942	26.371	117.144	1.00	0.00	H
ATOM	1145	H3'	C B	18	21.435	28.133	117.408	1.00	0.00	H
ATOM	1146	H4'	C B	18	21.401	25.531	116.924	1.00	0.00	H
ATOM	1147	H41	C B	18	27.173	28.312	111.190	1.00	0.00	H
ATOM	1148	H42	C B	18	28.373	27.187	111.882	1.00	0.00	H
ATOM	1149	H2'1	C B	18	23.371	28.756	116.130	1.00	0.00	H
ATOM	1150	H2'2	C B	18	24.096	28.513	117.712	1.00	0.00	H
ATOM	1151	H5'1	C B	18	21.480	25.946	114.364	1.00	0.00	H
ATOM	1152	H5'2	C B	18	20.180	26.654	115.345	1.00	0.00	H
ATOM	1153	C1'	C B	19	28.036	26.756	119.622	1.00	0.00	C
ATOM	1154	N1	C B	19	28.117	27.571	118.381	1.00	0.00	N

ATOM	1155	C2	C B	19	29.246	27.426	117.576	1.00	0.00	C
ATOM	1156	O2	C B	19	30.128	26.630	117.923	1.00	0.00	O
ATOM	1157	N3	C B	19	29.339	28.161	116.443	1.00	0.00	N
ATOM	1158	C4	C B	19	28.367	29.016	116.094	1.00	0.00	C
ATOM	1159	N4	C B	19	28.509	29.706	114.976	1.00	0.00	N
ATOM	1160	C5	C B	19	27.199	29.184	116.902	1.00	0.00	C
ATOM	1161	C6	C B	19	27.125	28.435	118.038	1.00	0.00	C
ATOM	1162	C2'	C B	19	27.412	27.491	120.800	1.00	0.00	C
ATOM	1163	C3'	C B	19	26.646	26.378	121.499	1.00	0.00	C
ATOM	1164	O3'	C B	19	27.530	25.673	122.366	1.00	0.00	O
ATOM	1165	C4'	C B	19	26.168	25.512	120.335	1.00	0.00	C
ATOM	1166	O4'	C B	19	27.233	25.624	119.340	1.00	0.00	O
ATOM	1167	C5'	C B	19	24.862	25.917	119.689	1.00	0.00	C
ATOM	1168	O5'	C B	19	24.754	27.362	119.665	1.00	0.00	O
ATOM	1169	O1P	C B	19	22.822	27.828	121.209	1.00	0.00	O
ATOM	1170	O2P	C B	19	23.361	29.431	119.354	1.00	0.00	O
ATOM	1171	P	C B	19	23.314	28.026	119.831	1.00	0.00	P
ATOM	1172	H5	C B	19	26.406	29.879	116.624	1.00	0.00	H
ATOM	1173	H6	C B	19	26.253	28.528	118.684	1.00	0.00	H
ATOM	1174	H1'	C B	19	29.038	26.405	119.866	1.00	0.00	H
ATOM	1175	H3'	C B	19	25.804	26.762	122.074	1.00	0.00	H
ATOM	1176	H4'	C B	19	26.048	24.499	120.720	1.00	0.00	H
ATOM	1177	H41	C B	19	27.778	30.370	114.680	1.00	0.00	H
ATOM	1178	H42	C B	19	29.354	29.583	114.395	1.00	0.00	H
ATOM	1179	H2'1	C B	19	26.745	28.293	120.483	1.00	0.00	H
ATOM	1180	H2'2	C B	19	28.163	27.930	121.457	1.00	0.00	H
ATOM	1181	H5'1	C B	19	24.830	25.526	118.673	1.00	0.00	H
ATOM	1182	H5'2	C B	19	24.036	25.495	120.261	1.00	0.00	H
ATOM	1183	C1'	T B	20	32.785	27.185	120.946	1.00	0.00	C
ATOM	1184	N1	T B	20	32.130	28.257	120.149	1.00	0.00	N
ATOM	1185	C2	T B	20	32.776	28.672	119.002	1.00	0.00	C
ATOM	1186	O2	T B	20	33.836	28.199	118.633	1.00	0.00	O
ATOM	1187	N3	T B	20	32.132	29.668	118.293	1.00	0.00	N
ATOM	1188	C4	T B	20	30.936	30.269	118.620	1.00	0.00	C
ATOM	1189	O4	T B	20	30.457	31.157	117.903	1.00	0.00	O
ATOM	1190	C5	T B	20	30.337	29.771	119.834	1.00	0.00	C
ATOM	1191	C6	T B	20	30.935	28.800	120.552	1.00	0.00	C
ATOM	1192	C7	T B	20	29.033	30.395	120.230	1.00	0.00	C
ATOM	1193	C2'	T B	20	32.643	27.369	122.452	1.00	0.00	C
ATOM	1194	C3'	T B	20	32.513	25.932	122.936	1.00	0.00	C
ATOM	1195	O3'	T B	20	33.815	25.370	123.095	1.00	0.00	O
ATOM	1196	C4'	T B	20	31.730	25.264	121.808	1.00	0.00	C
ATOM	1197	O4'	T B	20	32.178	25.957	120.599	1.00	0.00	O
ATOM	1198	C5'	T B	20	30.224	25.359	121.887	1.00	0.00	C
ATOM	1199	O5'	T B	20	29.841	26.651	122.427	1.00	0.00	O
ATOM	1200	O1P	T B	20	28.786	26.070	124.636	1.00	0.00	O
ATOM	1201	O2P	T B	20	28.096	28.157	123.426	1.00	0.00	O
ATOM	1202	P	T B	20	28.542	26.744	123.345	1.00	0.00	P
ATOM	1203	H3	T B	20	32.593	29.995	117.432	1.00	0.00	H
ATOM	1204	H6	T B	20	30.464	28.438	121.466	1.00	0.00	H
ATOM	1205	H1'	T B	20	33.834	27.135	120.656	1.00	0.00	H
ATOM	1206	H3'	T B	20	31.975	25.867	123.881	1.00	0.00	H
ATOM	1207	H4'	T B	20	31.997	24.208	121.819	1.00	0.00	H
ATOM	1208	H3T	T B	20	34.414	25.880	123.644	1.00	0.00	H

ATOM	1209	H71	T B	20	29.161	30.947	121.161	1.00	0.00	H
ATOM	1210	H72	T B	20	28.705	31.080	119.444	1.00	0.00	H
ATOM	1211	H73	T B	20	28.281	29.617	120.367	1.00	0.00	H
ATOM	1212	H2'1	T B	20	31.768	27.958	122.717	1.00	0.00	H
ATOM	1213	H2'2	T B	20	33.514	27.857	122.893	1.00	0.00	H
ATOM	1214	H5'1	T B	20	29.802	25.237	120.890	1.00	0.00	H
ATOM	1215	H5'2	T B	20	29.850	24.566	122.534	1.00	0.00	H
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ATOM	1	C1'	A A	1	20.525	3.065	138.438	1.00	0.00	C
ATOM	2	N1	A A	1	15.962	5.051	139.694	1.00	0.00	N
ATOM	3	C2	A A	1	16.510	3.857	139.901	1.00	0.00	C
ATOM	4	N3	A A	1	17.698	3.410	139.551	1.00	0.00	N
ATOM	5	C4	A A	1	18.379	4.364	138.892	1.00	0.00	C
ATOM	6	C5	A A	1	17.961	5.631	138.598	1.00	0.00	C
ATOM	7	C6	A A	1	16.665	5.983	139.033	1.00	0.00	C
ATOM	8	N6	A A	1	16.122	7.193	138.816	1.00	0.00	N
ATOM	9	N7	A A	1	18.935	6.331	137.907	1.00	0.00	N
ATOM	10	C8	A A	1	19.910	5.477	137.795	1.00	0.00	C
ATOM	11	N9	A A	1	19.645	4.263	138.372	1.00	0.00	N
ATOM	12	C2'	A A	1	21.350	2.839	137.180	1.00	0.00	C
ATOM	13	C3'	A A	1	22.648	2.288	137.748	1.00	0.00	C
ATOM	14	O3'	A A	1	22.513	0.883	137.948	1.00	0.00	O
ATOM	15	C4'	A A	1	22.794	3.048	139.065	1.00	0.00	C
ATOM	16	O4'	A A	1	21.416	3.245	139.521	1.00	0.00	O
ATOM	17	C5'	A A	1	23.474	4.394	138.990	1.00	0.00	C
ATOM	18	O5'	A A	1	23.109	5.063	137.756	1.00	0.00	O
ATOM	19	H2	A A	1	15.885	3.146	140.440	1.00	0.00	H
ATOM	20	H8	A A	1	20.850	5.708	137.293	1.00	0.00	H
ATOM	21	H1'	A A	1	19.901	2.197	138.658	1.00	0.00	H
ATOM	22	H3'	A A	1	23.497	2.479	137.088	1.00	0.00	H
ATOM	23	H4'	A A	1	23.378	2.416	139.731	1.00	0.00	H
ATOM	24	H61	A A	1	15.174	7.398	139.157	1.00	0.00	H
ATOM	25	H62	A A	1	16.658	7.912	138.311	1.00	0.00	H
ATOM	26	H5T	A A	1	23.757	5.623	137.325	1.00	0.00	H
ATOM	27	H2'1	A A	1	21.520	3.760	136.624	1.00	0.00	H
ATOM	28	H2'2	A A	1	20.882	2.126	136.500	1.00	0.00	H
ATOM	29	H5'1	A A	1	23.164	5.000	139.843	1.00	0.00	H
ATOM	30	H5'2	A A	1	24.553	4.253	139.026	1.00	0.00	H
ATOM	31	C1'	G A	2	16.923	-0.255	137.625	1.00	0.00	C
ATOM	32	N1	G A	2	13.968	3.878	137.175	1.00	0.00	N
ATOM	33	C2	G A	2	13.724	2.680	137.819	1.00	0.00	C
ATOM	34	N2	G A	2	12.534	2.565	138.421	1.00	0.00	N
ATOM	35	N3	G A	2	14.597	1.674	137.858	1.00	0.00	N
ATOM	36	C4	G A	2	15.745	1.961	137.192	1.00	0.00	C
ATOM	37	C5	G A	2	16.075	3.126	136.519	1.00	0.00	C
ATOM	38	C6	G A	2	15.149	4.194	136.480	1.00	0.00	C
ATOM	39	O6	G A	2	15.258	5.297	135.942	1.00	0.00	O
ATOM	40	N7	G A	2	17.353	3.019	135.965	1.00	0.00	N
ATOM	41	C8	G A	2	17.748	1.822	136.314	1.00	0.00	C
ATOM	42	N9	G A	2	16.827	1.117	137.061	1.00	0.00	N
ATOM	43	C2'	G A	2	17.642	-1.244	136.718	1.00	0.00	C
ATOM	44	C3'	G A	2	18.378	-2.118	137.719	1.00	0.00	C
ATOM	45	O3'	G A	2	17.500	-3.139	138.186	1.00	0.00	O
ATOM	46	C4'	G A	2	18.753	-1.130	138.822	1.00	0.00	C

ATOM	47	O4'	G A	2	17.646	-0.173	138.839	1.00	0.00	O
ATOM	48	C5'	G A	2	20.046	-0.372	138.633	1.00	0.00	C
ATOM	49	O5'	G A	2	20.230	-0.060	137.230	1.00	0.00	O
ATOM	50	O1P	G A	2	22.257	-1.412	136.596	1.00	0.00	O
ATOM	51	O2P	G A	2	21.717	0.699	135.352	1.00	0.00	O
ATOM	52	P	G A	2	21.711	-0.041	136.636	1.00	0.00	P
ATOM	53	H1	G A	2	13.227	4.591	137.206	1.00	0.00	H
ATOM	54	H8	G A	2	18.722	1.416	136.039	1.00	0.00	H
ATOM	55	H1'	G A	2	15.916	-0.600	137.858	1.00	0.00	H
ATOM	56	H21	G A	2	11.864	3.346	138.387	1.00	0.00	H
ATOM	57	H3'	G A	2	19.267	-2.577	137.284	1.00	0.00	H
ATOM	58	H22	G A	2	12.291	1.696	138.916	1.00	0.00	H
ATOM	59	H4'	G A	2	18.835	-1.702	139.746	1.00	0.00	H
ATOM	60	H2'1	G A	2	18.334	-0.751	136.036	1.00	0.00	H
ATOM	61	H2'2	G A	2	16.947	-1.831	136.113	1.00	0.00	H
ATOM	62	H5'1	G A	2	20.008	0.550	139.214	1.00	0.00	H
ATOM	63	H5'2	G A	2	20.874	-0.985	138.988	1.00	0.00	H
ATOM	64	C1'	G A	3	12.264	-1.626	136.655	1.00	0.00	C
ATOM	65	N1	G A	3	11.936	3.010	134.556	1.00	0.00	N
ATOM	66	C2	G A	3	11.038	2.336	135.363	1.00	0.00	C
ATOM	67	N2	G A	3	9.899	2.981	135.645	1.00	0.00	N
ATOM	68	N3	G A	3	11.257	1.116	135.847	1.00	0.00	N
ATOM	69	C4	G A	3	12.456	0.612	135.454	1.00	0.00	C
ATOM	70	C5	G A	3	13.413	1.210	134.651	1.00	0.00	C
ATOM	71	C6	G A	3	13.182	2.508	134.140	1.00	0.00	C
ATOM	72	O6	G A	3	13.903	3.198	133.418	1.00	0.00	O
ATOM	73	N7	G A	3	14.505	0.357	134.485	1.00	0.00	N
ATOM	74	C8	G A	3	14.186	-0.704	135.178	1.00	0.00	C
ATOM	75	N9	G A	3	12.954	-0.626	135.796	1.00	0.00	N
ATOM	76	C2'	G A	3	12.467	-3.067	136.205	1.00	0.00	C
ATOM	77	C3'	G A	3	12.529	-3.809	137.529	1.00	0.00	C
ATOM	78	O3'	G A	3	11.204	-4.100	137.965	1.00	0.00	O
ATOM	79	C4'	G A	3	13.231	-2.809	138.447	1.00	0.00	C
ATOM	80	O4'	G A	3	12.783	-1.502	137.965	1.00	0.00	O
ATOM	81	C5'	G A	3	14.741	-2.835	138.438	1.00	0.00	C
ATOM	82	O5'	G A	3	15.219	-3.112	137.098	1.00	0.00	O
ATOM	83	O1P	G A	3	16.316	-5.366	137.323	1.00	0.00	O
ATOM	84	O2P	G A	3	17.087	-3.768	135.549	1.00	0.00	O
ATOM	85	P	G A	3	16.553	-3.969	136.919	1.00	0.00	P
ATOM	86	H1	G A	3	11.671	3.955	134.237	1.00	0.00	H
ATOM	87	H8	G A	3	14.834	-1.577	135.261	1.00	0.00	H
ATOM	88	H1'	G A	3	11.204	-1.374	136.689	1.00	0.00	H
ATOM	89	H21	G A	3	9.737	3.928	135.268	1.00	0.00	H
ATOM	90	H3'	G A	3	13.096	-4.737	137.453	1.00	0.00	H
ATOM	91	H22	G A	3	9.188	2.533	136.238	1.00	0.00	H
ATOM	92	H4'	G A	3	12.900	-3.024	139.462	1.00	0.00	H
ATOM	93	H2'1	G A	3	13.388	-3.195	135.635	1.00	0.00	H
ATOM	94	H2'2	G A	3	11.646	-3.427	135.585	1.00	0.00	H
ATOM	95	H5'1	G A	3	15.118	-1.870	138.772	1.00	0.00	H
ATOM	96	H5'2	G A	3	15.089	-3.611	139.121	1.00	0.00	H
ATOM	97	C1'	C A	4	7.710	-0.930	134.837	1.00	0.00	C
ATOM	98	N1	C A	4	8.909	-0.689	133.986	1.00	0.00	N
ATOM	99	C2	C A	4	9.002	0.534	133.325	1.00	0.00	C
ATOM	100	O2	C A	4	8.094	1.362	133.467	1.00	0.00	O

ATOM	101	N3	C A	4	10.086	0.774	132.547	1.00	0.00	N
ATOM	102	C4	C A	4	11.052	-0.143	132.411	1.00	0.00	C
ATOM	103	N4	C A	4	12.091	0.146	131.639	1.00	0.00	N
ATOM	104	C5	C A	4	10.980	-1.408	133.079	1.00	0.00	C
ATOM	105	C6	C A	4	9.882	-1.627	133.859	1.00	0.00	C
ATOM	106	C2'	C A	4	7.194	-2.360	134.777	1.00	0.00	C
ATOM	107	C3'	C A	4	6.716	-2.586	136.203	1.00	0.00	C
ATOM	108	O3'	C A	4	5.389	-2.081	136.337	1.00	0.00	O
ATOM	109	C4'	C A	4	7.724	-1.789	137.029	1.00	0.00	C
ATOM	110	O4'	C A	4	8.070	-0.651	136.177	1.00	0.00	O
ATOM	111	C5'	C A	4	8.995	-2.510	137.412	1.00	0.00	C
ATOM	112	O5'	C A	4	9.409	-3.383	136.331	1.00	0.00	O
ATOM	113	O1P	C A	4	9.158	-5.686	137.313	1.00	0.00	O
ATOM	114	O2P	C A	4	10.833	-5.275	135.491	1.00	0.00	O
ATOM	115	P	C A	4	10.125	-4.763	136.690	1.00	0.00	P
ATOM	116	H5	C A	4	11.761	-2.160	132.966	1.00	0.00	H
ATOM	117	H6	C A	4	9.786	-2.574	134.390	1.00	0.00	H
ATOM	118	H1'	C A	4	6.936	-0.222	134.542	1.00	0.00	H
ATOM	119	H3'	C A	4	6.729	-3.642	136.475	1.00	0.00	H
ATOM	120	H4'	C A	4	7.217	-1.495	137.948	1.00	0.00	H
ATOM	121	H41	C A	4	12.848	-0.542	131.519	1.00	0.00	H
ATOM	122	H42	C A	4	12.140	1.056	131.159	1.00	0.00	H
ATOM	123	H2'1	C A	4	7.972	-3.071	134.504	1.00	0.00	H
ATOM	124	H2'2	C A	4	6.379	-2.477	134.060	1.00	0.00	H
ATOM	125	H5'1	C A	4	9.776	-1.776	137.613	1.00	0.00	H
ATOM	126	H5'2	C A	4	8.816	-3.097	138.311	1.00	0.00	H
ATOM	127	C1'	C A	5	4.408	1.158	131.792	1.00	0.00	C
ATOM	128	N1	C A	5	5.647	0.533	131.250	1.00	0.00	N
ATOM	129	C2	C A	5	6.432	1.292	130.384	1.00	0.00	C
ATOM	130	O2	C A	5	6.072	2.443	130.101	1.00	0.00	O
ATOM	131	N3	C A	5	7.565	0.743	129.880	1.00	0.00	N
ATOM	132	C4	C A	5	7.929	-0.504	130.203	1.00	0.00	C
ATOM	133	N4	C A	5	9.046	-0.989	129.685	1.00	0.00	N
ATOM	134	C5	C A	5	7.139	-1.306	131.091	1.00	0.00	C
ATOM	135	C6	C A	5	6.007	-0.732	131.588	1.00	0.00	C
ATOM	136	C2'	C A	5	3.240	0.191	131.916	1.00	0.00	C
ATOM	137	C3'	C A	5	2.556	0.682	133.183	1.00	0.00	C
ATOM	138	O3'	C A	5	1.675	1.753	132.855	1.00	0.00	O
ATOM	139	C4'	C A	5	3.729	1.142	134.045	1.00	0.00	C
ATOM	140	O4'	C A	5	4.706	1.653	133.084	1.00	0.00	O
ATOM	141	C5'	C A	5	4.394	0.083	134.895	1.00	0.00	C
ATOM	142	O5'	C A	5	4.418	-1.177	134.176	1.00	0.00	O
ATOM	143	O1P	C A	5	2.906	-2.653	135.542	1.00	0.00	O
ATOM	144	O2P	C A	5	4.747	-3.667	134.173	1.00	0.00	O
ATOM	145	P	C A	5	4.273	-2.533	135.003	1.00	0.00	P
ATOM	146	H5	C A	5	7.428	-2.324	131.354	1.00	0.00	H
ATOM	147	H6	C A	5	5.375	-1.301	132.271	1.00	0.00	H
ATOM	148	H1'	C A	5	4.150	2.006	131.159	1.00	0.00	H
ATOM	149	H3'	C A	5	1.992	-0.111	133.676	1.00	0.00	H
ATOM	150	H4'	C A	5	3.345	1.911	134.715	1.00	0.00	H
ATOM	151	H41	C A	5	9.350	-1.945	129.919	1.00	0.00	H
ATOM	152	H42	C A	5	9.612	-0.411	129.046	1.00	0.00	H
ATOM	153	H2'1	C A	5	3.566	-0.844	132.017	1.00	0.00	H
ATOM	154	H2'2	C A	5	2.568	0.241	131.057	1.00	0.00	H

ATOM	155	H5'1	C A	5	5.413	0.396	135.124	1.00	0.00	H
ATOM	156	H5'2	C A	5	3.836	-0.033	135.823	1.00	0.00	H
ATOM	157	C1'	G A	6	3.028	3.429	127.613	1.00	0.00	C
ATOM	158	N1	G A	6	7.171	1.163	125.681	1.00	0.00	N
ATOM	159	C2	G A	6	6.697	2.452	125.500	1.00	0.00	C
ATOM	160	N2	G A	6	7.420	3.239	124.695	1.00	0.00	N
ATOM	161	N3	G A	6	5.588	2.915	126.076	1.00	0.00	N
ATOM	162	C4	G A	6	4.978	1.980	126.850	1.00	0.00	C
ATOM	163	C5	G A	6	5.375	0.673	127.085	1.00	0.00	C
ATOM	164	C6	G A	6	6.552	0.182	126.479	1.00	0.00	C
ATOM	165	O6	G A	6	7.062	-0.936	126.563	1.00	0.00	O
ATOM	166	N7	G A	6	4.470	0.041	127.940	1.00	0.00	N
ATOM	167	C8	G A	6	3.578	0.962	128.193	1.00	0.00	C
ATOM	168	N9	G A	6	3.817	2.168	127.566	1.00	0.00	N
ATOM	169	C2'	G A	6	1.522	3.211	127.643	1.00	0.00	C
ATOM	170	C3'	G A	6	1.054	4.341	128.545	1.00	0.00	C
ATOM	171	O3'	G A	6	0.897	5.527	127.769	1.00	0.00	O
ATOM	172	C4'	G A	6	2.191	4.459	129.558	1.00	0.00	C
ATOM	173	O4'	G A	6	3.391	4.121	128.793	1.00	0.00	O
ATOM	174	C5'	G A	6	2.114	3.554	130.764	1.00	0.00	C
ATOM	175	O5'	G A	6	1.562	2.270	130.378	1.00	0.00	O
ATOM	176	O1P	G A	6	-0.637	2.191	131.597	1.00	0.00	O
ATOM	177	O2P	G A	6	0.552	0.060	131.017	1.00	0.00	O
ATOM	178	P	G A	6	0.646	1.485	131.420	1.00	0.00	P
ATOM	179	H1	G A	6	8.044	0.906	125.194	1.00	0.00	H
ATOM	180	H8	G A	6	2.717	0.795	128.842	1.00	0.00	H
ATOM	181	H1'	G A	6	3.318	4.045	126.761	1.00	0.00	H
ATOM	182	H21	G A	6	8.279	2.875	124.256	1.00	0.00	H
ATOM	183	H3'	G A	6	0.111	4.107	129.039	1.00	0.00	H
ATOM	184	H22	G A	6	7.120	4.208	124.518	1.00	0.00	H
ATOM	185	H4'	G A	6	2.191	5.489	129.915	1.00	0.00	H
ATOM	186	H2'1	G A	6	1.253	2.238	128.055	1.00	0.00	H
ATOM	187	H2'2	G A	6	1.073	3.282	126.651	1.00	0.00	H
ATOM	188	H5'1	G A	6	3.113	3.418	131.174	1.00	0.00	H
ATOM	189	H5'2	G A	6	1.478	4.018	131.519	1.00	0.00	H
ATOM	190	C1'	C A	7	3.502	4.608	122.828	1.00	0.00	C
ATOM	191	N1	C A	7	3.531	3.186	123.261	1.00	0.00	N
ATOM	192	C2	C A	7	4.596	2.397	122.832	1.00	0.00	C
ATOM	193	O2	C A	7	5.465	2.904	122.112	1.00	0.00	O
ATOM	194	N3	C A	7	4.642	1.097	123.216	1.00	0.00	N
ATOM	195	C4	C A	7	3.685	0.575	123.993	1.00	0.00	C
ATOM	196	N4	C A	7	3.781	-0.701	124.342	1.00	0.00	N
ATOM	197	C5	C A	7	2.577	1.362	124.447	1.00	0.00	C
ATOM	198	C6	C A	7	2.552	2.670	124.052	1.00	0.00	C
ATOM	199	C2'	C A	7	2.104	5.126	122.510	1.00	0.00	C
ATOM	200	C3'	C A	7	2.182	6.566	122.994	1.00	0.00	C
ATOM	201	O3'	C A	7	2.747	7.375	121.963	1.00	0.00	O
ATOM	202	C4'	C A	7	3.091	6.466	124.215	1.00	0.00	C
ATOM	203	O4'	C A	7	4.028	5.392	123.882	1.00	0.00	O
ATOM	204	C5'	C A	7	2.420	6.132	125.526	1.00	0.00	C
ATOM	205	O5'	C A	7	1.337	5.196	125.298	1.00	0.00	O
ATOM	206	O1P	C A	7	-0.719	6.523	125.892	1.00	0.00	O
ATOM	207	O2P	C A	7	-0.729	4.024	126.117	1.00	0.00	O
ATOM	208	P	C A	7	0.033	5.291	126.211	1.00	0.00	P

ATOM	209	H5	C A	7	1.791	0.941	125.076	1.00	0.00	H
ATOM	210	H6	C A	7	1.734	3.311	124.378	1.00	0.00	H
ATOM	211	H1'	C A	7	4.163	4.718	121.967	1.00	0.00	H
ATOM	212	H3'	C A	7	1.199	6.958	123.263	1.00	0.00	H
ATOM	213	H4'	C A	7	3.576	7.436	124.327	1.00	0.00	H
ATOM	214	H41	C A	7	3.060	-1.127	124.941	1.00	0.00	H
ATOM	215	H42	C A	7	4.576	-1.266	124.014	1.00	0.00	H
ATOM	216	H2'1	C A	7	1.328	4.572	123.037	1.00	0.00	H
ATOM	217	H2'2	C A	7	1.877	5.075	121.444	1.00	0.00	H
ATOM	218	H5'1	C A	7	3.152	5.691	126.204	1.00	0.00	H
ATOM	219	H5'2	C A	7	2.026	7.047	125.971	1.00	0.00	H
ATOM	220	C1'	A A	8	5.048	3.860	118.185	1.00	0.00	C
ATOM	221	N1	A A	8	5.014	-1.080	119.581	1.00	0.00	N
ATOM	222	C2	A A	8	5.877	-0.350	118.879	1.00	0.00	C
ATOM	223	N3	A A	8	5.827	0.925	118.558	1.00	0.00	N
ATOM	224	C4	A A	8	4.704	1.485	119.047	1.00	0.00	C
ATOM	225	C5	A A	8	3.724	0.878	119.781	1.00	0.00	C
ATOM	226	C6	A A	8	3.905	-0.493	120.058	1.00	0.00	C
ATOM	227	N6	A A	8	3.026	-1.221	120.767	1.00	0.00	N
ATOM	228	N7	A A	8	2.720	1.772	120.111	1.00	0.00	N
ATOM	229	C8	A A	8	3.109	2.889	119.570	1.00	0.00	C
ATOM	230	N9	A A	8	4.307	2.792	118.909	1.00	0.00	N
ATOM	231	C2'	A A	8	4.150	4.826	117.425	1.00	0.00	C
ATOM	232	C3'	A A	8	4.889	6.143	117.588	1.00	0.00	C
ATOM	233	O3'	A A	8	5.895	6.240	116.583	1.00	0.00	O
ATOM	234	C4'	A A	8	5.485	6.028	118.990	1.00	0.00	C
ATOM	235	O4'	A A	8	5.778	4.601	119.143	1.00	0.00	O
ATOM	236	C5'	A A	8	4.598	6.464	120.132	1.00	0.00	C
ATOM	237	O5'	A A	8	3.223	6.100	119.852	1.00	0.00	O
ATOM	238	O1P	A A	8	2.071	8.326	119.611	1.00	0.00	O
ATOM	239	O2P	A A	8	0.772	6.315	120.364	1.00	0.00	O
ATOM	240	P	A A	8	2.055	7.059	120.368	1.00	0.00	P
ATOM	241	H2	A A	8	6.754	-0.886	118.521	1.00	0.00	H
ATOM	242	H8	A A	8	2.538	3.815	119.636	1.00	0.00	H
ATOM	243	H1'	A A	8	5.764	3.383	117.515	1.00	0.00	H
ATOM	244	H3'	A A	8	4.221	6.999	117.514	1.00	0.00	H
ATOM	245	H4'	A A	8	6.378	6.651	119.007	1.00	0.00	H
ATOM	246	H61	A A	8	3.206	-2.218	120.944	1.00	0.00	H
ATOM	247	H62	A A	8	2.171	-0.778	121.134	1.00	0.00	H
ATOM	248	H2'1	A A	8	3.148	4.879	117.851	1.00	0.00	H
ATOM	249	H2'2	A A	8	4.047	4.555	116.376	1.00	0.00	H
ATOM	250	H5'1	A A	8	4.929	5.973	121.049	1.00	0.00	H
ATOM	251	H5'2	A A	8	4.675	7.543	120.255	1.00	0.00	H
ATOM	252	C1'	C A	9	6.504	0.994	114.399	1.00	0.00	C
ATOM	253	N1	C A	9	5.234	0.703	115.120	1.00	0.00	N
ATOM	254	C2	C A	9	5.031	-0.595	115.586	1.00	0.00	C
ATOM	255	O2	C A	9	5.906	-1.445	115.383	1.00	0.00	O
ATOM	256	N3	C A	9	3.882	-0.880	116.244	1.00	0.00	N
ATOM	257	C4	C A	9	2.951	0.062	116.447	1.00	0.00	C
ATOM	258	N4	C A	9	1.848	-0.271	117.100	1.00	0.00	N
ATOM	259	C5	C A	9	3.131	1.405	115.975	1.00	0.00	C
ATOM	260	C6	C A	9	4.299	1.671	115.318	1.00	0.00	C
ATOM	261	C2'	C A	9	6.339	1.954	113.230	1.00	0.00	C
ATOM	262	C3'	C A	9	7.638	2.747	113.285	1.00	0.00	C

ATOM	263	O3'	C	A	9	8.654	2.027	112.590	1.00	0.00	O
ATOM	264	C4'	C	A	9	7.916	2.838	114.783	1.00	0.00	C
ATOM	265	O4'	C	A	9	7.399	1.582	115.325	1.00	0.00	O
ATOM	266	C5'	C	A	9	7.264	3.985	115.519	1.00	0.00	C
ATOM	267	O5'	C	A	9	5.946	4.235	114.966	1.00	0.00	O
ATOM	268	O1P	C	A	9	6.170	6.519	113.932	1.00	0.00	O
ATOM	269	O2P	C	A	9	3.931	5.720	114.739	1.00	0.00	O
ATOM	270	P	C	A	9	5.404	5.734	114.921	1.00	0.00	P
ATOM	271	H5	C	A	9	2.374	2.174	116.134	1.00	0.00	H
ATOM	272	H6	C	A	9	4.485	2.679	114.949	1.00	0.00	H
ATOM	273	H1'	C	A	9	6.934	0.049	114.071	1.00	0.00	H
ATOM	274	H3'	C	A	9	7.530	3.736	112.842	1.00	0.00	H
ATOM	275	H4'	C	A	9	8.996	2.940	114.899	1.00	0.00	H
ATOM	276	H41	C	A	9	1.117	0.435	117.273	1.00	0.00	H
ATOM	277	H42	C	A	9	1.719	-1.237	117.435	1.00	0.00	H
ATOM	278	H2'1	C	A	9	5.475	2.605	113.347	1.00	0.00	H
ATOM	279	H2'2	C	A	9	6.231	1.434	112.278	1.00	0.00	H
ATOM	280	H5'1	C	A	9	7.179	3.733	116.574	1.00	0.00	H
ATOM	281	H5'2	C	A	9	7.882	4.877	115.411	1.00	0.00	H
ATOM	282	C1'	C	A	10	6.700	-3.239	111.835	1.00	0.00	C
ATOM	283	N1	C	A	10	5.390	-2.664	112.247	1.00	0.00	N
ATOM	284	C2	C	A	10	4.496	-3.497	112.919	1.00	0.00	C
ATOM	285	O2	C	A	10	4.822	-4.670	113.142	1.00	0.00	O
ATOM	286	N3	C	A	10	3.296	-2.995	113.303	1.00	0.00	N
ATOM	287	C4	C	A	10	2.969	-1.721	113.046	1.00	0.00	C
ATOM	288	N4	C	A	10	1.785	-1.281	113.447	1.00	0.00	N
ATOM	289	C5	C	A	10	3.867	-0.844	112.355	1.00	0.00	C
ATOM	290	C6	C	A	10	5.071	-1.371	111.981	1.00	0.00	C
ATOM	291	C2'	C	A	10	7.188	-2.740	110.482	1.00	0.00	C
ATOM	292	C3'	C	A	10	8.691	-2.664	110.696	1.00	0.00	C
ATOM	293	O3'	C	A	10	9.263	-3.952	110.465	1.00	0.00	O
ATOM	294	C4'	C	A	10	8.806	-2.238	112.156	1.00	0.00	C
ATOM	295	O4'	C	A	10	7.657	-2.866	112.809	1.00	0.00	O
ATOM	296	C5'	C	A	10	8.760	-0.752	112.427	1.00	0.00	C
ATOM	297	O5'	C	A	10	7.831	-0.115	111.512	1.00	0.00	O
ATOM	298	O1P	C	A	10	9.317	1.342	110.095	1.00	0.00	O
ATOM	299	O2P	C	A	10	6.912	1.967	110.450	1.00	0.00	O
ATOM	300	P	C	A	10	8.149	1.360	110.998	1.00	0.00	P
ATOM	301	H5	C	A	10	3.603	0.193	112.136	1.00	0.00	H
ATOM	302	H6	C	A	10	5.791	-0.739	111.459	1.00	0.00	H
ATOM	303	H1'	C	A	10	6.615	-4.324	111.846	1.00	0.00	H
ATOM	304	H3'	C	A	10	9.162	-1.939	110.034	1.00	0.00	H
ATOM	305	H4'	C	A	10	9.763	-2.611	112.522	1.00	0.00	H
ATOM	306	H41	C	A	10	1.510	-0.305	113.264	1.00	0.00	H
ATOM	307	H42	C	A	10	1.141	-1.914	113.941	1.00	0.00	H
ATOM	308	H2'1	C	A	10	6.776	-1.766	110.225	1.00	0.00	H
ATOM	309	H2'2	C	A	10	6.936	-3.429	109.673	1.00	0.00	H
ATOM	310	H5'1	C	A	10	8.437	-0.583	113.455	1.00	0.00	H
ATOM	311	H5'2	C	A	10	9.756	-0.332	112.292	1.00	0.00	H
ATOM	312	C1'	T	A	11	4.997	-7.658	110.395	1.00	0.00	C
ATOM	313	N1	T	A	11	4.117	-6.461	110.329	1.00	0.00	N
ATOM	314	C2	T	A	11	2.871	-6.562	110.913	1.00	0.00	C
ATOM	315	O2	T	A	11	2.482	-7.575	111.468	1.00	0.00	O
ATOM	316	N3	T	A	11	2.085	-5.426	110.828	1.00	0.00	N

ATOM	317	C4	T	A	11	2.427	-4.234	110.223	1.00	0.00	C
ATOM	318	O4	T	A	11	1.636	-3.284	110.208	1.00	0.00	O
ATOM	319	C5	T	A	11	3.748	-4.225	109.640	1.00	0.00	C
ATOM	320	C6	T	A	11	4.541	-5.313	109.705	1.00	0.00	C
ATOM	321	C7	T	A	11	4.163	-2.947	108.974	1.00	0.00	C
ATOM	322	C2'	T	A	11	5.822	-7.885	109.135	1.00	0.00	C
ATOM	323	C3'	T	A	11	7.124	-8.432	109.701	1.00	0.00	C
ATOM	324	O3'	T	A	11	6.993	-9.836	109.906	1.00	0.00	O
ATOM	325	C4'	T	A	11	7.269	-7.668	111.015	1.00	0.00	C
ATOM	326	O4'	T	A	11	5.893	-7.474	111.475	1.00	0.00	O
ATOM	327	C5'	T	A	11	7.946	-6.319	110.938	1.00	0.00	C
ATOM	328	O5'	T	A	11	7.577	-5.656	109.702	1.00	0.00	O
ATOM	329	O1P	T	A	11	9.744	-5.547	108.428	1.00	0.00	O
ATOM	330	O2P	T	A	11	7.960	-3.831	108.019	1.00	0.00	O
ATOM	331	P	T	A	11	8.650	-4.725	108.981	1.00	0.00	P
ATOM	332	H3	T	A	11	1.154	-5.474	111.261	1.00	0.00	H
ATOM	333	H6	T	A	11	5.535	-5.281	109.257	1.00	0.00	H
ATOM	334	H1'	T	A	11	4.378	-8.526	110.618	1.00	0.00	H
ATOM	335	H3'	T	A	11	7.967	-8.241	109.039	1.00	0.00	H
ATOM	336	H4'	T	A	11	7.857	-8.298	111.685	1.00	0.00	H
ATOM	337	H71	T	A	11	4.283	-3.118	107.903	1.00	0.00	H
ATOM	338	H72	T	A	11	3.398	-2.187	109.137	1.00	0.00	H
ATOM	339	H73	T	A	11	5.109	-2.606	109.394	1.00	0.00	H
ATOM	340	H2'1	T	A	11	5.988	-6.965	108.579	1.00	0.00	H
ATOM	341	H2'2	T	A	11	5.353	-8.599	108.456	1.00	0.00	H
ATOM	342	H5'1	T	A	11	7.637	-5.713	111.788	1.00	0.00	H
ATOM	343	H5'2	T	A	11	9.027	-6.459	110.971	1.00	0.00	H
ATOM	344	C1'	A	A	12	1.416	-10.994	109.581	1.00	0.00	C
ATOM	345	N1	A	A	12	-1.578	-6.849	109.142	1.00	0.00	N
ATOM	346	C2	A	A	12	-1.752	-8.023	109.740	1.00	0.00	C
ATOM	347	N3	A	A	12	-0.932	-9.051	109.819	1.00	0.00	N
ATOM	348	C4	A	A	12	0.213	-8.786	109.165	1.00	0.00	C
ATOM	349	C5	A	A	12	0.545	-7.638	108.501	1.00	0.00	C
ATOM	350	C6	A	A	12	-0.425	-6.613	108.498	1.00	0.00	C
ATOM	351	N6	A	A	12	-0.237	-5.430	107.888	1.00	0.00	N
ATOM	352	N7	A	A	12	1.810	-7.729	107.951	1.00	0.00	N
ATOM	353	C8	A	A	12	2.213	-8.919	108.285	1.00	0.00	C
ATOM	354	N9	A	A	12	1.295	-9.619	109.027	1.00	0.00	N
ATOM	355	C2'	A	A	12	2.144	-11.964	108.660	1.00	0.00	C
ATOM	356	C3'	A	A	12	2.900	-12.836	109.652	1.00	0.00	C
ATOM	357	O3'	A	A	12	2.037	-13.872	110.115	1.00	0.00	O
ATOM	358	C4'	A	A	12	3.265	-11.851	110.762	1.00	0.00	C
ATOM	359	O4'	A	A	12	2.144	-10.909	110.791	1.00	0.00	O
ATOM	360	C5'	A	A	12	4.545	-11.073	110.572	1.00	0.00	C
ATOM	361	O5'	A	A	12	4.719	-10.746	109.170	1.00	0.00	O
ATOM	362	O1P	A	A	12	6.762	-12.064	108.515	1.00	0.00	O
ATOM	363	O2P	A	A	12	6.184	-9.951	107.291	1.00	0.00	O
ATOM	364	P	A	A	12	6.195	-10.701	108.570	1.00	0.00	P
ATOM	365	H2	A	A	12	-2.710	-8.153	110.242	1.00	0.00	H
ATOM	366	H8	A	A	12	3.186	-9.324	108.005	1.00	0.00	H
ATOM	367	H1'	A	A	12	0.415	-11.356	109.817	1.00	0.00	H
ATOM	368	H3'	A	A	12	3.791	-13.279	109.211	1.00	0.00	H
ATOM	369	H4'	A	A	12	3.359	-12.431	111.680	1.00	0.00	H
ATOM	370	H61	A	A	12	-0.975	-4.713	107.918	1.00	0.00	H

ATOM	371	H62	A	A	12	0.645	-5.242	107.389	1.00	0.00	H
ATOM	372	H2'1	A	A	12	2.826	-11.457	107.980	1.00	0.00	H
ATOM	373	H2'2	A	A	12	1.456	-12.554	108.056	1.00	0.00	H
ATOM	374	H5'1	A	A	12	4.496	-10.157	111.161	1.00	0.00	H
ATOM	375	H5'2	A	A	12	5.384	-11.676	110.917	1.00	0.00	H
ATOM	376	C1'	G	A	13	-3.261	-12.349	108.613	1.00	0.00	C
ATOM	377	N1	G	A	13	-3.590	-7.711	106.513	1.00	0.00	N
ATOM	378	C2	G	A	13	-4.489	-8.386	107.320	1.00	0.00	C
ATOM	379	N2	G	A	13	-5.631	-7.742	107.602	1.00	0.00	N
ATOM	380	N3	G	A	13	-4.269	-9.607	107.804	1.00	0.00	N
ATOM	381	C4	G	A	13	-3.070	-10.110	107.412	1.00	0.00	C
ATOM	382	C5	G	A	13	-2.114	-9.513	106.608	1.00	0.00	C
ATOM	383	C6	G	A	13	-2.344	-8.214	106.097	1.00	0.00	C
ATOM	384	O6	G	A	13	-1.622	-7.526	105.374	1.00	0.00	O
ATOM	385	N7	G	A	13	-1.020	-10.365	106.442	1.00	0.00	N
ATOM	386	C8	G	A	13	-1.340	-11.428	107.136	1.00	0.00	C
ATOM	387	N9	G	A	13	-2.571	-11.348	107.753	1.00	0.00	N
ATOM	388	C2'	G	A	13	-3.058	-13.789	108.163	1.00	0.00	C
ATOM	389	C3'	G	A	13	-2.996	-14.531	109.486	1.00	0.00	C
ATOM	390	O3'	G	A	13	-4.323	-14.823	109.922	1.00	0.00	O
ATOM	391	C4'	G	A	13	-2.295	-13.532	110.404	1.00	0.00	C
ATOM	392	O4'	G	A	13	-2.742	-12.224	109.922	1.00	0.00	O
ATOM	393	C5'	G	A	13	-0.785	-13.558	110.395	1.00	0.00	C
ATOM	394	O5'	G	A	13	-0.307	-13.835	109.055	1.00	0.00	O
ATOM	395	O1P	G	A	13	0.790	-16.088	109.280	1.00	0.00	O
ATOM	396	O2P	G	A	13	1.561	-14.492	107.506	1.00	0.00	O
ATOM	397	P	G	A	13	1.028	-14.691	108.877	1.00	0.00	P
ATOM	398	H1	G	A	13	-3.853	-6.765	106.196	1.00	0.00	H
ATOM	399	H8	G	A	13	-0.692	-12.300	107.219	1.00	0.00	H
ATOM	400	H1'	G	A	13	-4.321	-12.096	108.646	1.00	0.00	H
ATOM	401	H21	G	A	13	-5.790	-6.795	107.225	1.00	0.00	H
ATOM	402	H3'	G	A	13	-2.430	-15.460	109.409	1.00	0.00	H
ATOM	403	H22	G	A	13	-6.340	-8.191	108.194	1.00	0.00	H
ATOM	404	H4'	G	A	13	-2.626	-13.747	111.419	1.00	0.00	H
ATOM	405	H2'1	G	A	13	-2.137	-13.917	107.593	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-3.880	-14.149	107.541	1.00	0.00	H
ATOM	407	H5'1	G	A	13	-0.407	-12.592	110.729	1.00	0.00	H
ATOM	408	H5'2	G	A	13	-0.436	-14.333	111.079	1.00	0.00	H
ATOM	409	C1'	G	A	14	-7.815	-11.652	106.793	1.00	0.00	C
ATOM	410	N1	G	A	14	-5.464	-8.332	103.715	1.00	0.00	N
ATOM	411	C2	G	A	14	-6.667	-8.220	104.388	1.00	0.00	C
ATOM	412	N2	G	A	14	-7.335	-7.073	104.217	1.00	0.00	N
ATOM	413	N3	G	A	14	-7.166	-9.178	105.170	1.00	0.00	N
ATOM	414	C4	G	A	14	-6.362	-10.272	105.222	1.00	0.00	C
ATOM	415	C5	G	A	14	-5.149	-10.473	104.583	1.00	0.00	C
ATOM	416	C6	G	A	14	-4.619	-9.458	103.756	1.00	0.00	C
ATOM	417	O6	G	A	14	-3.569	-9.448	103.113	1.00	0.00	O
ATOM	418	N7	G	A	14	-4.644	-11.736	104.898	1.00	0.00	N
ATOM	419	C8	G	A	14	-5.541	-12.246	105.701	1.00	0.00	C
ATOM	420	N9	G	A	14	-6.615	-11.417	105.945	1.00	0.00	N
ATOM	421	C2'	G	A	14	-8.332	-13.084	106.738	1.00	0.00	C
ATOM	422	C3'	G	A	14	-8.813	-13.302	108.163	1.00	0.00	C
ATOM	423	O3'	G	A	14	-10.140	-12.795	108.294	1.00	0.00	O
ATOM	424	C4'	G	A	14	-7.807	-12.502	108.988	1.00	0.00	C

ATOM	425	O4'	G A	14	-7.458	-11.368	108.132	1.00	0.00	O
ATOM	426	C5'	G A	14	-6.536	-13.222	109.377	1.00	0.00	C
ATOM	427	O5'	G A	14	-6.122	-14.101	108.301	1.00	0.00	O
ATOM	428	O1P	G A	14	-6.378	-16.399	109.294	1.00	0.00	O
ATOM	429	O2P	G A	14	-4.697	-15.998	107.474	1.00	0.00	O
ATOM	430	P	G A	14	-5.409	-15.479	108.668	1.00	0.00	P
ATOM	431	H1	G A	14	-5.165	-7.530	103.140	1.00	0.00	H
ATOM	432	H8	G A	14	-5.448	-13.241	106.138	1.00	0.00	H
ATOM	433	H1'	G A	14	-8.589	-10.945	106.494	1.00	0.00	H
ATOM	434	H21	G A	14	-6.942	-6.335	103.614	1.00	0.00	H
ATOM	435	H3'	G A	14	-8.803	-14.356	108.442	1.00	0.00	H
ATOM	436	H22	G A	14	-8.238	-6.927	104.688	1.00	0.00	H
ATOM	437	H4'	G A	14	-8.313	-12.203	109.904	1.00	0.00	H
ATOM	438	H2'1	G A	14	-7.552	-13.796	106.469	1.00	0.00	H
ATOM	439	H2'2	G A	14	-9.146	-13.201	106.022	1.00	0.00	H
ATOM	440	H5'1	G A	14	-5.756	-12.487	109.577	1.00	0.00	H
ATOM	441	H5'2	G A	14	-6.718	-13.806	110.280	1.00	0.00	H
ATOM	442	C1'	A A	15	-11.133	-9.575	103.764	1.00	0.00	C
ATOM	443	N1	A A	15	-7.059	-8.862	100.724	1.00	0.00	N
ATOM	444	C2	A A	15	-8.087	-8.082	101.050	1.00	0.00	C
ATOM	445	N3	A A	15	-9.105	-8.327	101.845	1.00	0.00	N
ATOM	446	C4	A A	15	-9.011	-9.571	102.351	1.00	0.00	C
ATOM	447	C5	A A	15	-8.029	-10.492	102.117	1.00	0.00	C
ATOM	448	C6	A A	15	-6.993	-10.097	101.245	1.00	0.00	C
ATOM	449	N6	A A	15	-5.961	-10.895	100.924	1.00	0.00	N
ATOM	450	N7	A A	15	-8.267	-11.664	102.813	1.00	0.00	N
ATOM	451	C8	A A	15	-9.381	-11.431	103.444	1.00	0.00	C
ATOM	452	N9	A A	15	-9.892	-10.179	103.212	1.00	0.00	N
ATOM	453	C2'	A A	15	-12.290	-10.557	103.892	1.00	0.00	C
ATOM	454	C3'	A A	15	-12.973	-10.080	105.164	1.00	0.00	C
ATOM	455	O3'	A A	15	-13.868	-9.019	104.843	1.00	0.00	O
ATOM	456	C4'	A A	15	-11.801	-9.607	106.022	1.00	0.00	C
ATOM	457	O4'	A A	15	-10.835	-9.080	105.055	1.00	0.00	O
ATOM	458	C5'	A A	15	-11.117	-10.658	106.863	1.00	0.00	C
ATOM	459	O5'	A A	15	-11.080	-11.916	106.142	1.00	0.00	O
ATOM	460	O1P	A A	15	-12.566	-13.416	107.512	1.00	0.00	O
ATOM	461	O2P	A A	15	-10.718	-14.402	106.130	1.00	0.00	O
ATOM	462	P	A A	15	-11.201	-13.277	106.965	1.00	0.00	P
ATOM	463	H2	A A	15	-8.082	-7.093	100.589	1.00	0.00	H
ATOM	464	H8	A A	15	-9.865	-12.161	104.093	1.00	0.00	H
ATOM	465	H1'	A A	15	-11.407	-8.728	103.136	1.00	0.00	H
ATOM	466	H3'	A A	15	-13.524	-10.880	105.658	1.00	0.00	H
ATOM	467	H4'	A A	15	-12.190	-8.842	106.694	1.00	0.00	H
ATOM	468	H61	A A	15	-5.228	-10.557	100.284	1.00	0.00	H
ATOM	469	H62	A A	15	-5.903	-11.845	101.319	1.00	0.00	H
ATOM	470	H2'1	A A	15	-11.947	-11.588	103.988	1.00	0.00	H
ATOM	471	H2'2	A A	15	-12.966	-10.513	103.038	1.00	0.00	H
ATOM	472	H5'1	A A	15	-10.101	-10.333	107.087	1.00	0.00	H
ATOM	473	H5'2	A A	15	-11.667	-10.784	107.794	1.00	0.00	H
ATOM	474	C1'	C A	16	-12.497	-7.293	99.570	1.00	0.00	C
ATOM	475	N1	C A	16	-11.705	-8.551	99.519	1.00	0.00	N
ATOM	476	C2	C A	16	-10.549	-8.563	98.742	1.00	0.00	C
ATOM	477	O2	C A	16	-10.231	-7.535	98.130	1.00	0.00	O
ATOM	478	N3	C A	16	-9.813	-9.700	98.681	1.00	0.00	N

ATOM	479	C4	C A	16	-10.185	-10.795	99.355	1.00	0.00	C
ATOM	480	N4	C A	16	-9.425	-11.879	99.263	1.00	0.00	N
ATOM	481	C5	C A	16	-11.371	-10.814	100.159	1.00	0.00	C
ATOM	482	C6	C A	16	-12.095	-9.657	100.210	1.00	0.00	C
ATOM	483	C2'	C A	16	-14.003	-7.514	99.596	1.00	0.00	C
ATOM	484	C3'	C A	16	-14.475	-6.389	100.503	1.00	0.00	C
ATOM	485	O3'	C A	16	-14.635	-5.201	99.730	1.00	0.00	O
ATOM	486	C4'	C A	16	-13.339	-6.271	101.517	1.00	0.00	C
ATOM	487	O4'	C A	16	-12.137	-6.605	100.754	1.00	0.00	O
ATOM	488	C5'	C A	16	-13.417	-7.182	102.720	1.00	0.00	C
ATOM	489	O5'	C A	16	-13.965	-8.466	102.329	1.00	0.00	O
ATOM	490	O1P	C A	16	-16.166	-8.557	103.545	1.00	0.00	O
ATOM	491	O2P	C A	16	-14.968	-10.682	102.958	1.00	0.00	O
ATOM	492	P	C A	16	-14.880	-9.257	103.366	1.00	0.00	P
ATOM	493	H5	C A	16	-11.680	-11.709	100.704	1.00	0.00	H
ATOM	494	H6	C A	16	-13.000	-9.619	100.816	1.00	0.00	H
ATOM	495	H1'	C A	16	-12.208	-6.672	98.722	1.00	0.00	H
ATOM	496	H3'	C A	16	-15.419	-6.630	100.995	1.00	0.00	H
ATOM	497	H4'	C A	16	-13.344	-5.243	101.879	1.00	0.00	H
ATOM	498	H41	C A	16	-9.686	-12.736	99.772	1.00	0.00	H
ATOM	499	H42	C A	16	-8.575	-11.865	98.682	1.00	0.00	H
ATOM	500	H2'1	C A	16	-14.272	-8.490	100.004	1.00	0.00	H
ATOM	501	H2'2	C A	16	-14.450	-7.440	98.604	1.00	0.00	H
ATOM	502	H5'1	C A	16	-12.417	-7.316	103.131	1.00	0.00	H
ATOM	503	H5'2	C A	16	-14.057	-6.724	103.474	1.00	0.00	H
ATOM	504	C1'	G A	17	-12.025	-6.114	94.784	1.00	0.00	C
ATOM	505	N1	G A	17	-9.454	-10.514	94.538	1.00	0.00	N
ATOM	506	C2	G A	17	-9.173	-9.287	93.963	1.00	0.00	C
ATOM	507	N2	G A	17	-8.061	-9.226	93.221	1.00	0.00	N
ATOM	508	N3	G A	17	-9.941	-8.209	94.114	1.00	0.00	N
ATOM	509	C4	G A	17	-11.029	-8.456	94.890	1.00	0.00	C
ATOM	510	C5	G A	17	-11.393	-9.644	95.501	1.00	0.00	C
ATOM	511	C6	G A	17	-10.578	-10.788	95.344	1.00	0.00	C
ATOM	512	O6	G A	17	-10.730	-11.921	95.802	1.00	0.00	O
ATOM	513	N7	G A	17	-12.584	-9.479	96.210	1.00	0.00	N
ATOM	514	C8	G A	17	-12.896	-8.223	96.013	1.00	0.00	C
ATOM	515	N9	G A	17	-12.000	-7.536	95.221	1.00	0.00	N
ATOM	516	C2'	G A	17	-13.420	-5.592	94.469	1.00	0.00	C
ATOM	517	C3'	G A	17	-13.338	-4.152	94.948	1.00	0.00	C
ATOM	518	O3'	G A	17	-12.771	-3.347	93.917	1.00	0.00	O
ATOM	519	C4'	G A	17	-12.425	-4.253	96.170	1.00	0.00	C
ATOM	520	O4'	G A	17	-11.495	-5.330	95.836	1.00	0.00	O
ATOM	521	C5'	G A	17	-13.096	-4.581	97.482	1.00	0.00	C
ATOM	522	O5'	G A	17	-14.181	-5.514	97.260	1.00	0.00	O
ATOM	523	O1P	G A	17	-16.229	-4.177	97.854	1.00	0.00	O
ATOM	524	O2P	G A	17	-16.251	-6.676	98.084	1.00	0.00	O
ATOM	525	P	G A	17	-15.483	-5.410	98.174	1.00	0.00	P
ATOM	526	H1	G A	17	-8.793	-11.284	94.363	1.00	0.00	H
ATOM	527	H8	G A	17	-13.788	-7.759	96.439	1.00	0.00	H
ATOM	528	H1'	G A	17	-11.366	-6.010	93.923	1.00	0.00	H
ATOM	529	H21	G A	17	-7.470	-10.063	93.109	1.00	0.00	H
ATOM	530	H3'	G A	17	-14.315	-3.756	95.220	1.00	0.00	H
ATOM	531	H22	G A	17	-7.796	-8.342	92.762	1.00	0.00	H
ATOM	532	H4'	G A	17	-11.935	-3.286	96.278	1.00	0.00	H

ATOM	533	H2'1	G A	17	-14.197	-6.144	95.001	1.00	0.00	H
ATOM	534	H2'2	G A	17	-13.651	-5.645	93.404	1.00	0.00	H
ATOM	535	H5'1	G A	17	-12.362	-5.023	98.157	1.00	0.00	H
ATOM	536	H5'2	G A	17	-13.483	-3.663	97.926	1.00	0.00	H
ATOM	537	C1'	G A	18	-10.472	-6.888	90.146	1.00	0.00	C
ATOM	538	N1	G A	18	-10.529	-11.791	91.547	1.00	0.00	N
ATOM	539	C2	G A	18	-9.592	-11.090	90.810	1.00	0.00	C
ATOM	540	N2	G A	18	-8.529	-11.789	90.386	1.00	0.00	N
ATOM	541	N3	G A	18	-9.706	-9.797	90.518	1.00	0.00	N
ATOM	542	C4	G A	18	-10.844	-9.251	91.018	1.00	0.00	C
ATOM	543	C5	G A	18	-11.836	-9.873	91.760	1.00	0.00	C
ATOM	544	C6	G A	18	-11.714	-11.246	92.074	1.00	0.00	C
ATOM	545	O6	G A	18	-12.482	-11.967	92.714	1.00	0.00	O
ATOM	546	N7	G A	18	-12.843	-8.961	92.080	1.00	0.00	N
ATOM	547	C8	G A	18	-12.439	-7.840	91.540	1.00	0.00	C
ATOM	548	N9	G A	18	-11.234	-7.937	90.876	1.00	0.00	N
ATOM	549	C2'	G A	18	-11.352	-5.915	89.373	1.00	0.00	C
ATOM	550	C3'	G A	18	-10.595	-4.607	89.529	1.00	0.00	C
ATOM	551	O3'	G A	18	-9.581	-4.532	88.529	1.00	0.00	O
ATOM	552	C4'	G A	18	-10.008	-4.718	90.936	1.00	0.00	C
ATOM	553	O4'	G A	18	-9.736	-6.146	91.101	1.00	0.00	O
ATOM	554	C5'	G A	18	-10.897	-4.261	92.069	1.00	0.00	C
ATOM	555	O5'	G A	18	-12.275	-4.607	91.783	1.00	0.00	O
ATOM	556	O1P	G A	18	-13.394	-2.368	91.518	1.00	0.00	O
ATOM	557	O2P	G A	18	-14.726	-4.352	92.277	1.00	0.00	O
ATOM	558	P	G A	18	-13.431	-3.627	92.283	1.00	0.00	P
ATOM	559	H1	G A	18	-10.343	-12.791	91.724	1.00	0.00	H
ATOM	560	H8	G A	18	-13.004	-6.911	91.605	1.00	0.00	H
ATOM	561	H1'	G A	18	-9.759	-7.381	89.484	1.00	0.00	H
ATOM	562	H21	G A	18	-8.448	-12.790	90.620	1.00	0.00	H
ATOM	563	H3'	G A	18	-11.251	-3.740	89.443	1.00	0.00	H
ATOM	564	H22	G A	18	-7.799	-11.326	89.831	1.00	0.00	H
ATOM	565	H4'	G A	18	-9.106	-4.108	90.953	1.00	0.00	H
ATOM	566	H2'1	G A	18	-12.356	-5.844	89.792	1.00	0.00	H
ATOM	567	H2'2	G A	18	-11.454	-6.193	88.324	1.00	0.00	H
ATOM	568	H5'1	G A	18	-10.579	-4.748	92.991	1.00	0.00	H
ATOM	569	H5'2	G A	18	-10.804	-3.183	92.184	1.00	0.00	H
ATOM	570	C1'	T A	19	-9.016	-9.708	86.347	1.00	0.00	C
ATOM	571	N1	T A	19	-10.278	-10.020	87.068	1.00	0.00	N
ATOM	572	C2	T A	19	-10.446	-11.315	87.513	1.00	0.00	C
ATOM	573	O2	T A	19	-9.611	-12.187	87.335	1.00	0.00	O
ATOM	574	N3	T A	19	-11.631	-11.562	88.178	1.00	0.00	N
ATOM	575	C4	T A	19	-12.638	-10.654	88.428	1.00	0.00	C
ATOM	576	O4	T A	19	-13.662	-10.993	89.034	1.00	0.00	O
ATOM	577	C5	T A	19	-12.375	-9.326	87.926	1.00	0.00	C
ATOM	578	C6	T A	19	-11.228	-9.049	87.273	1.00	0.00	C
ATOM	579	C7	T A	19	-13.442	-8.304	88.178	1.00	0.00	C
ATOM	580	C2'	T A	19	-9.196	-8.738	85.185	1.00	0.00	C
ATOM	581	C3'	T A	19	-7.909	-7.931	85.242	1.00	0.00	C
ATOM	582	O3'	T A	19	-6.886	-8.633	84.539	1.00	0.00	O
ATOM	583	C4'	T A	19	-7.626	-7.848	86.740	1.00	0.00	C
ATOM	584	O4'	T A	19	-8.124	-9.116	87.273	1.00	0.00	O
ATOM	585	C5'	T A	19	-8.289	-6.715	87.488	1.00	0.00	C
ATOM	586	O5'	T A	19	-9.612	-6.478	86.943	1.00	0.00	O

ATOM	587	O1P	T A	19	-9.422	-4.183	85.927	1.00	0.00	O
ATOM	588	O2P	T A	19	-11.645	-5.016	86.736	1.00	0.00	O
ATOM	589	P	T A	19	-10.174	-4.985	86.911	1.00	0.00	P
ATOM	590	H3	T A	19	-11.779	-12.522	88.524	1.00	0.00	H
ATOM	591	H6	T A	19	-11.051	-8.040	86.903	1.00	0.00	H
ATOM	592	H1'	T A	19	-8.575	-10.645	86.008	1.00	0.00	H
ATOM	593	H3'	T A	19	-8.031	-6.939	84.809	1.00	0.00	H
ATOM	594	H4'	T A	19	-6.546	-7.733	86.852	1.00	0.00	H
ATOM	595	H71	T A	19	-13.875	-7.990	87.229	1.00	0.00	H
ATOM	596	H72	T A	19	-14.221	-8.738	88.805	1.00	0.00	H
ATOM	597	H73	T A	19	-13.009	-7.439	88.683	1.00	0.00	H
ATOM	598	H2'1	T A	19	-10.070	-8.100	85.313	1.00	0.00	H
ATOM	599	H2'2	T A	19	-9.302	-9.252	84.230	1.00	0.00	H
ATOM	600	H5'1	T A	19	-8.367	-6.978	88.543	1.00	0.00	H
ATOM	601	H5'2	T A	19	-7.684	-5.817	87.385	1.00	0.00	H
ATOM	602	C01	LNK A	20	-6.104	-8.785	80.902	0.00	0.00	C
ATOM	603	O1	LNK A	20	-6.913	-8.348	81.997	1.00	0.00	O
ATOM	604	S	LNK A	20	-6.076	-8.595	76.926	0.00	0.00	S
ATOM	605	C02	LNK A	20	-6.737	-8.314	79.578	0.00	0.00	C
ATOM	606	C03	LNK A	20	-6.532	-9.391	78.498	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-8.913	-9.445	83.062	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-6.776	-10.732	82.779	1.00	0.00	O
ATOM	609	P	LNK A	20	-7.436	-9.429	83.046	1.00	0.00	P
ATOM	610	H01	LNK A	20	-6.041	-9.872	80.906	0.00	0.00	H
ATOM	611	H02	LNK A	20	-5.104	-8.362	80.996	0.00	0.00	H
ATOM	612	H03	LNK A	20	-7.455	-9.954	78.365	0.00	0.00	H
ATOM	613	H04	LNK A	20	-6.265	-7.383	79.260	0.00	0.00	H
ATOM	614	H05	LNK A	20	-7.805	-8.146	79.726	0.00	0.00	H
ATOM	615	H06	LNK A	20	-5.735	-10.068	78.807	0.00	0.00	H
ATOM	616	AU	LNK A	20	-6.082	-9.060	76.422			
TER										
ATOM	618	C1'	A B	2	-12.181	-19.233	90.606	1.00	0.00	C
ATOM	619	N1	A B	2	-12.073	-14.307	89.169	1.00	0.00	N
ATOM	620	C2	A B	2	-11.207	-15.304	89.020	1.00	0.00	C
ATOM	621	N3	A B	2	-11.300	-16.557	89.414	1.00	0.00	N
ATOM	622	C4	A B	2	-12.467	-16.760	90.053	1.00	0.00	C
ATOM	623	C5	A B	2	-13.456	-15.847	90.288	1.00	0.00	C
ATOM	624	C6	A B	2	-13.229	-14.539	89.809	1.00	0.00	C
ATOM	625	N6	A B	2	-14.111	-13.537	89.964	1.00	0.00	N
ATOM	626	N7	A B	2	-14.513	-16.420	90.973	1.00	0.00	N
ATOM	627	C8	A B	2	-14.142	-17.655	91.141	1.00	0.00	C
ATOM	628	N9	A B	2	-12.912	-17.935	90.606	1.00	0.00	N
ATOM	629	C2'	A B	2	-12.351	-20.031	91.892	1.00	0.00	C
ATOM	630	C3'	A B	2	-12.370	-21.461	91.377	1.00	0.00	C
ATOM	631	O3'	A B	2	-11.031	-21.923	91.227	1.00	0.00	O
ATOM	632	C4'	A B	2	-13.089	-21.329	90.035	1.00	0.00	C
ATOM	633	O4'	A B	2	-12.687	-20.012	89.538	1.00	0.00	O
ATOM	634	C5'	A B	2	-14.598	-21.392	90.073	1.00	0.00	C
ATOM	635	O5'	A B	2	-15.086	-20.737	91.271	1.00	0.00	O
ATOM	636	H2	A B	2	-10.288	-15.050	88.498	1.00	0.00	H
ATOM	637	H8	A B	2	-14.752	-18.396	91.658	1.00	0.00	H
ATOM	638	H1'	A B	2	-11.128	-19.031	90.408	1.00	0.00	H
ATOM	639	H3'	A B	2	-12.910	-22.130	92.047	1.00	0.00	H
ATOM	640	H4'	A B	2	-12.737	-22.146	89.406	1.00	0.00	H

ATOM	641	H61	A B	2	-13.898	-12.602	89.594	1.00	0.00	H
ATOM	642	H62	A B	2	-15.002	-13.708	90.458	1.00	0.00	H
ATOM	643	H2'1	A B	2	-13.275	-19.784	92.414	1.00	0.00	H
ATOM	644	H2'2	A B	2	-11.526	-19.871	92.588	1.00	0.00	H
ATOM	645	H5'1	A B	2	-14.998	-20.892	89.190	1.00	0.00	H
ATOM	646	H5'2	A B	2	-14.911	-22.435	90.067	1.00	0.00	H
ATOM	647	C1'	C B	3	-7.688	-17.297	91.454	1.00	0.00	C
ATOM	648	N1	C B	3	-8.911	-16.618	91.962	1.00	0.00	N
ATOM	649	C2	C B	3	-9.071	-15.263	91.677	1.00	0.00	C
ATOM	650	O2	C B	3	-8.197	-14.685	91.018	1.00	0.00	O
ATOM	651	N3	C B	3	-10.176	-14.625	92.130	1.00	0.00	N
ATOM	652	C4	C B	3	-11.105	-15.278	92.842	1.00	0.00	C
ATOM	653	N4	C B	3	-12.170	-14.605	93.257	1.00	0.00	N
ATOM	654	C5	C B	3	-10.966	-16.670	93.155	1.00	0.00	C
ATOM	655	C6	C B	3	-9.845	-17.294	92.684	1.00	0.00	C
ATOM	656	C2'	C B	3	-7.110	-18.324	92.420	1.00	0.00	C
ATOM	657	C3'	C B	3	-6.597	-19.397	91.473	1.00	0.00	C
ATOM	658	O3'	C B	3	-5.292	-19.039	91.023	1.00	0.00	O
ATOM	659	C4'	C B	3	-7.623	-19.371	90.343	1.00	0.00	C
ATOM	660	O4'	C B	3	-8.035	-17.969	90.259	1.00	0.00	O
ATOM	661	C5'	C B	3	-8.855	-20.226	90.535	1.00	0.00	C
ATOM	662	O5'	C B	3	-9.249	-20.207	91.930	1.00	0.00	O
ATOM	663	O1P	C B	3	-8.880	-22.585	92.671	1.00	0.00	O
ATOM	664	O2P	C B	3	-10.606	-21.169	93.816	1.00	0.00	O
ATOM	665	P	C B	3	-9.898	-21.520	92.561	1.00	0.00	P
ATOM	666	H5	C B	3	-11.714	-17.205	93.740	1.00	0.00	H
ATOM	667	H6	C B	3	-9.698	-18.354	92.891	1.00	0.00	H
ATOM	668	H1'	C B	3	-6.950	-16.533	91.209	1.00	0.00	H
ATOM	669	H3'	C B	3	-6.559	-20.376	91.948	1.00	0.00	H
ATOM	670	H4'	C B	3	-7.116	-19.722	89.444	1.00	0.00	H
ATOM	671	H41	C B	3	-12.900	-15.085	93.804	1.00	0.00	H
ATOM	672	H42	C B	3	-12.267	-13.605	93.033	1.00	0.00	H
ATOM	673	H2'1	C B	3	-7.862	-18.721	93.100	1.00	0.00	H
ATOM	674	H2'2	C B	3	-6.303	-17.911	93.028	1.00	0.00	H
ATOM	675	H5'1	C B	3	-9.665	-19.832	89.919	1.00	0.00	H
ATOM	676	H5'2	C B	3	-8.635	-21.246	90.228	1.00	0.00	H
ATOM	677	C1'	C B	4	-4.535	-13.589	92.365	1.00	0.00	C
ATOM	678	N1	C B	4	-5.753	-13.767	93.198	1.00	0.00	N
ATOM	679	C2	C B	4	-6.587	-12.666	93.382	1.00	0.00	C
ATOM	680	O2	C B	4	-6.282	-11.590	92.848	1.00	0.00	O
ATOM	681	N3	C B	4	-7.701	-12.805	94.139	1.00	0.00	N
ATOM	682	C4	C B	4	-8.007	-13.983	94.705	1.00	0.00	C
ATOM	683	N4	C B	4	-9.110	-14.066	95.432	1.00	0.00	N
ATOM	684	C5	C B	4	-7.166	-15.132	94.538	1.00	0.00	C
ATOM	685	C6	C B	4	-6.050	-14.967	93.767	1.00	0.00	C
ATOM	686	C2'	C B	4	-3.322	-14.352	92.879	1.00	0.00	C
ATOM	687	C3'	C B	4	-2.638	-14.769	91.586	1.00	0.00	C
ATOM	688	O3'	C B	4	-1.811	-13.702	91.129	1.00	0.00	O
ATOM	689	C4'	C B	4	-3.815	-15.029	90.648	1.00	0.00	C
ATOM	690	O4'	C B	4	-4.831	-14.061	91.064	1.00	0.00	O
ATOM	691	C5'	C B	4	-4.419	-16.413	90.695	1.00	0.00	C
ATOM	692	O5'	C B	4	-4.400	-16.909	92.058	1.00	0.00	O
ATOM	693	O1P	C B	4	-2.801	-18.850	91.951	1.00	0.00	O
ATOM	694	O2P	C B	4	-4.622	-18.817	93.678	1.00	0.00	O

ATOM	695	P	C B	4	-4.183	-18.469	92.304	1.00	0.00	P
ATOM	696	H5	C B	4	-7.404	-16.089	95.001	1.00	0.00	H
ATOM	697	H6	C B	4	-5.384	-15.815	93.604	1.00	0.00	H
ATOM	698	H1'	C B	4	-4.323	-12.521	92.294	1.00	0.00	H
ATOM	699	H3'	C B	4	-2.033	-15.666	91.715	1.00	0.00	H
ATOM	700	H4'	C B	4	-3.456	-14.859	89.632	1.00	0.00	H
ATOM	701	H41	C B	4	-9.369	-14.959	95.875	1.00	0.00	H
ATOM	702	H42	C B	4	-9.712	-13.236	95.552	1.00	0.00	H
ATOM	703	H2'1	C B	4	-3.602	-15.220	93.476	1.00	0.00	H
ATOM	704	H2'2	C B	4	-2.669	-13.730	93.491	1.00	0.00	H
ATOM	705	H5'1	C B	4	-5.446	-16.369	90.334	1.00	0.00	H
ATOM	706	H5'2	C B	4	-3.841	-17.077	90.054	1.00	0.00	H
ATOM	707	C1'	G B	5	-3.326	-9.092	94.051	1.00	0.00	C
ATOM	708	N1	G B	5	-7.396	-9.748	97.058	1.00	0.00	N
ATOM	709	C2	G B	5	-6.982	-8.630	96.354	1.00	0.00	C
ATOM	710	N2	G B	5	-7.753	-7.542	96.469	1.00	0.00	N
ATOM	711	N3	G B	5	-5.885	-8.601	95.597	1.00	0.00	N
ATOM	712	C4	G B	5	-5.223	-9.788	95.601	1.00	0.00	C
ATOM	713	C5	G B	5	-5.558	-10.950	96.274	1.00	0.00	C
ATOM	714	C6	G B	5	-6.723	-10.984	97.075	1.00	0.00	C
ATOM	715	O6	G B	5	-7.179	-11.913	97.741	1.00	0.00	O
ATOM	716	N7	G B	5	-4.612	-11.945	96.017	1.00	0.00	N
ATOM	717	C8	G B	5	-3.756	-11.369	95.213	1.00	0.00	C
ATOM	718	N9	G B	5	-4.059	-10.056	94.916	1.00	0.00	N
ATOM	719	C2'	G B	5	-1.812	-9.211	94.145	1.00	0.00	C
ATOM	720	C3'	G B	5	-1.379	-8.913	92.719	1.00	0.00	C
ATOM	721	O3'	G B	5	-1.288	-7.502	92.542	1.00	0.00	O
ATOM	722	C4'	G B	5	-2.504	-9.528	91.887	1.00	0.00	C
ATOM	723	O4'	G B	5	-3.700	-9.345	92.711	1.00	0.00	O
ATOM	724	C5'	G B	5	-2.368	-10.995	91.553	1.00	0.00	C
ATOM	725	O5'	G B	5	-1.766	-11.698	92.668	1.00	0.00	O
ATOM	726	O1P	G B	5	0.454	-12.452	91.755	1.00	0.00	O
ATOM	727	O2P	G B	5	-0.651	-13.750	93.595	1.00	0.00	O
ATOM	728	P	G B	5	-0.800	-12.931	92.368	1.00	0.00	P
ATOM	729	H1	G B	5	-8.263	-9.668	97.609	1.00	0.00	H
ATOM	730	H8	G B	5	-2.880	-11.879	94.814	1.00	0.00	H
ATOM	731	H1'	G B	5	-3.655	-8.085	94.306	1.00	0.00	H
ATOM	732	H21	G B	5	-8.600	-7.573	97.054	1.00	0.00	H
ATOM	733	H3'	G B	5	-0.418	-9.371	92.478	1.00	0.00	H
ATOM	734	H22	G B	5	-7.498	-6.676	95.974	1.00	0.00	H
ATOM	735	H4'	G B	5	-2.544	-8.975	90.950	1.00	0.00	H
ATOM	736	H2'1	G B	5	-1.494	-10.205	94.457	1.00	0.00	H
ATOM	737	H2'2	G B	5	-1.383	-8.496	94.847	1.00	0.00	H
ATOM	738	H5'1	G B	5	-3.355	-11.407	91.345	1.00	0.00	H
ATOM	739	H5'2	G B	5	-1.740	-11.103	90.668	1.00	0.00	H
ATOM	740	C1'	T B	6	-3.915	-5.103	96.923	1.00	0.00	C
ATOM	741	N1	T B	6	-3.894	-6.463	97.525	1.00	0.00	N
ATOM	742	C2	T B	6	-4.934	-6.795	98.370	1.00	0.00	C
ATOM	743	O2	T B	6	-5.843	-6.025	98.631	1.00	0.00	O
ATOM	744	N3	T B	6	-4.875	-8.068	98.907	1.00	0.00	N
ATOM	745	C4	T B	6	-3.895	-9.010	98.682	1.00	0.00	C
ATOM	746	O4	T B	6	-3.948	-10.120	99.223	1.00	0.00	O
ATOM	747	C5	T B	6	-2.852	-8.573	97.784	1.00	0.00	C
ATOM	748	C6	T B	6	-2.877	-7.340	97.242	1.00	0.00	C

ATOM	749	C7	T B	6	-1.765	-9.570	97.508	1.00	0.00	C
ATOM	750	C2'	T B	6	-2.537	-4.464	96.807	1.00	0.00	C
ATOM	751	C3'	T B	6	-2.657	-3.691	95.501	1.00	0.00	C
ATOM	752	O3'	T B	6	-3.256	-2.424	95.759	1.00	0.00	O
ATOM	753	C4'	T B	6	-3.551	-4.593	94.653	1.00	0.00	C
ATOM	754	O4'	T B	6	-4.453	-5.216	95.620	1.00	0.00	O
ATOM	755	C5'	T B	6	-2.857	-5.682	93.869	1.00	0.00	C
ATOM	756	O5'	T B	6	-1.747	-6.209	94.639	1.00	0.00	O
ATOM	757	O1P	T B	6	0.268	-5.529	93.294	1.00	0.00	O
ATOM	758	O2P	T B	6	0.363	-7.567	94.756	1.00	0.00	O
ATOM	759	P	T B	6	-0.438	-6.693	93.866	1.00	0.00	P
ATOM	760	H3	T B	6	-5.643	-8.340	99.539	1.00	0.00	H
ATOM	761	H6	T B	6	-2.076	-7.034	96.567	1.00	0.00	H
ATOM	762	H1'	T B	6	-4.587	-4.479	97.511	1.00	0.00	H
ATOM	763	H3'	T B	6	-1.687	-3.541	95.026	1.00	0.00	H
ATOM	764	H4'	T B	6	-4.067	-3.948	93.942	1.00	0.00	H
ATOM	765	H71	T B	6	-0.822	-9.201	97.913	1.00	0.00	H
ATOM	766	H72	T B	6	-2.015	-10.521	97.977	1.00	0.00	H
ATOM	767	H73	T B	6	-1.665	-9.710	96.431	1.00	0.00	H
ATOM	768	H2'1	T B	6	-1.740	-5.204	96.758	1.00	0.00	H
ATOM	769	H2'2	T B	6	-2.318	-3.798	97.642	1.00	0.00	H
ATOM	770	H5'1	T B	6	-3.569	-6.479	93.655	1.00	0.00	H
ATOM	771	H5'2	T B	6	-2.490	-5.268	92.931	1.00	0.00	H
ATOM	772	C1'	C B	7	-5.526	-2.764	100.996	1.00	0.00	C
ATOM	773	N1	C B	7	-4.710	-4.006	101.109	1.00	0.00	N
ATOM	774	C2	C B	7	-5.195	-5.034	101.917	1.00	0.00	C
ATOM	775	O2	C B	7	-6.276	-4.875	102.500	1.00	0.00	O
ATOM	776	N3	C B	7	-4.469	-6.172	102.034	1.00	0.00	N
ATOM	777	C4	C B	7	-3.302	-6.312	101.390	1.00	0.00	C
ATOM	778	N4	C B	7	-2.635	-7.448	101.537	1.00	0.00	N
ATOM	779	C5	C B	7	-2.776	-5.271	100.558	1.00	0.00	C
ATOM	780	C6	C B	7	-3.528	-4.135	100.451	1.00	0.00	C
ATOM	781	C2'	C B	7	-4.697	-1.490	100.943	1.00	0.00	C
ATOM	782	C3'	C B	7	-5.506	-0.627	99.987	1.00	0.00	C
ATOM	783	O3'	C B	7	-6.536	0.037	100.714	1.00	0.00	O
ATOM	784	C4'	C B	7	-6.063	-1.646	98.996	1.00	0.00	C
ATOM	785	O4'	C B	7	-6.274	-2.850	99.798	1.00	0.00	O
ATOM	786	C5'	C B	7	-5.175	-1.997	97.823	1.00	0.00	C
ATOM	787	O5'	C B	7	-3.790	-2.016	98.247	1.00	0.00	O
ATOM	788	O1P	C B	7	-2.766	-0.096	96.982	1.00	0.00	O
ATOM	789	O2P	C B	7	-1.344	-2.044	97.671	1.00	0.00	O
ATOM	790	P	C B	7	-2.665	-1.549	97.216	1.00	0.00	P
ATOM	791	H5	C B	7	-1.824	-5.378	100.038	1.00	0.00	H
ATOM	792	H6	C B	7	-3.173	-3.317	99.823	1.00	0.00	H
ATOM	793	H1'	C B	7	-6.228	-2.740	101.830	1.00	0.00	H
ATOM	794	H3'	C B	7	-4.885	0.115	99.482	1.00	0.00	H
ATOM	795	H4'	C B	7	-6.988	-1.230	98.600	1.00	0.00	H
ATOM	796	H41	C B	7	-1.737	-7.583	101.051	1.00	0.00	H
ATOM	797	H42	C B	7	-3.015	-8.196	102.138	1.00	0.00	H
ATOM	798	H2'1	C B	7	-3.691	-1.664	100.564	1.00	0.00	H
ATOM	799	H2'2	C B	7	-4.601	-1.017	101.920	1.00	0.00	H
ATOM	800	H5'1	C B	7	-5.458	-2.977	97.442	1.00	0.00	H
ATOM	801	H5'2	C B	7	-5.309	-1.255	97.039	1.00	0.00	H
ATOM	802	C1'	C B	8	-6.907	-2.535	105.747	1.00	0.00	C

ATOM	803	N1	C B	8	-5.614	-3.166	105.365	1.00	0.00	N
ATOM	804	C2	C B	8	-5.345	-4.446	105.848	1.00	0.00	C
ATOM	805	O2	C B	8	-6.185	-4.999	106.570	1.00	0.00	O
ATOM	806	N3	C B	8	-4.174	-5.038	105.511	1.00	0.00	N
ATOM	807	C4	C B	8	-3.286	-4.413	104.728	1.00	0.00	C
ATOM	808	N4	C B	8	-2.158	-5.042	104.428	1.00	0.00	N
ATOM	809	C5	C B	8	-3.532	-3.095	104.219	1.00	0.00	C
ATOM	810	C6	C B	8	-4.723	-2.519	104.568	1.00	0.00	C
ATOM	811	C2'	C B	8	-6.804	-1.037	106.010	1.00	0.00	C
ATOM	812	C3'	C B	8	-8.136	-0.529	105.480	1.00	0.00	C
ATOM	813	O3'	C B	8	-9.128	-0.672	106.494	1.00	0.00	O
ATOM	814	C4'	C B	8	-8.396	-1.444	104.285	1.00	0.00	C
ATOM	815	O4'	C B	8	-7.814	-2.728	104.678	1.00	0.00	O
ATOM	816	C5'	C B	8	-7.787	-1.020	102.970	1.00	0.00	C
ATOM	817	O5'	C B	8	-6.489	-0.415	103.203	1.00	0.00	O
ATOM	818	O1P	C B	8	-6.832	1.981	102.513	1.00	0.00	O
ATOM	819	O2P	C B	8	-4.549	0.951	102.375	1.00	0.00	O
ATOM	820	P	C B	8	-6.018	0.777	102.256	1.00	0.00	P
ATOM	821	H5	C B	8	-2.810	-2.579	103.588	1.00	0.00	H
ATOM	822	H6	C B	8	-4.959	-1.520	104.199	1.00	0.00	H
ATOM	823	H1'	C B	8	-7.298	-3.058	106.619	1.00	0.00	H
ATOM	824	H3'	C B	8	-8.081	0.513	105.173	1.00	0.00	H
ATOM	825	H4'	C B	8	-9.476	-1.489	104.149	1.00	0.00	H
ATOM	826	H41	C B	8	-1.459	-4.584	103.825	1.00	0.00	H
ATOM	827	H42	C B	8	-1.982	-5.987	104.796	1.00	0.00	H
ATOM	828	H2'1	C B	8	-5.968	-0.582	105.484	1.00	0.00	H
ATOM	829	H2'2	C B	8	-6.687	-0.813	107.071	1.00	0.00	H
ATOM	830	H5'1	C B	8	-7.674	-1.894	102.327	1.00	0.00	H
ATOM	831	H5'2	C B	8	-8.445	-0.301	102.485	1.00	0.00	H
ATOM	832	C1'	T B	9	-6.971	-4.083	110.447	1.00	0.00	C
ATOM	833	N1	T B	9	-5.677	-3.877	109.745	1.00	0.00	N
ATOM	834	C2	T B	9	-4.768	-4.916	109.783	1.00	0.00	C
ATOM	835	O2	T B	9	-4.992	-5.965	110.359	1.00	0.00	O
ATOM	836	N3	T B	9	-3.579	-4.682	109.117	1.00	0.00	N
ATOM	837	C4	T B	9	-3.229	-3.534	108.440	1.00	0.00	C
ATOM	838	O4	T B	9	-2.128	-3.440	107.882	1.00	0.00	O
ATOM	839	C5	T B	9	-4.242	-2.505	108.455	1.00	0.00	C
ATOM	840	C6	T B	9	-5.414	-2.698	109.093	1.00	0.00	C
ATOM	841	C7	T B	9	-3.903	-1.238	107.728	1.00	0.00	C
ATOM	842	C2'	T B	9	-7.496	-2.835	111.150	1.00	0.00	C
ATOM	843	C3'	T B	9	-8.998	-2.970	110.957	1.00	0.00	C
ATOM	844	O3'	T B	9	-9.529	-3.806	111.982	1.00	0.00	O
ATOM	845	C4'	T B	9	-9.107	-3.607	109.574	1.00	0.00	C
ATOM	846	O4'	T B	9	-7.930	-4.472	109.483	1.00	0.00	O
ATOM	847	C5'	T B	9	-9.106	-2.662	108.395	1.00	0.00	C
ATOM	848	O5'	T B	9	-8.211	-1.551	108.659	1.00	0.00	O
ATOM	849	O1P	T B	9	-9.761	0.427	108.791	1.00	0.00	O
ATOM	850	O2P	T B	9	-7.375	0.746	108.083	1.00	0.00	O
ATOM	851	P	T B	9	-8.584	-0.113	108.081	1.00	0.00	P
ATOM	852	H3	T B	9	-2.887	-5.443	109.128	1.00	0.00	H
ATOM	853	H6	T B	9	-6.162	-1.908	109.091	1.00	0.00	H
ATOM	854	H1'	T B	9	-6.854	-4.906	111.151	1.00	0.00	H
ATOM	855	H3'	T B	9	-9.499	-2.001	110.985	1.00	0.00	H
ATOM	856	H4'	T B	9	-10.046	-4.163	109.555	1.00	0.00	H

ATOM	857	H71	T B	9	-3.830	-0.417	108.441	1.00	0.00	H
ATOM	858	H72	T B	9	-2.950	-1.359	107.212	1.00	0.00	H
ATOM	859	H73	T B	9	-4.685	-1.017	106.999	1.00	0.00	H
ATOM	860	H2'1	T B	9	-7.117	-1.919	110.700	1.00	0.00	H
ATOM	861	H2'2	T B	9	-7.230	-2.815	112.208	1.00	0.00	H
ATOM	862	H5'1	T B	9	-8.778	-3.198	107.506	1.00	0.00	H
ATOM	863	H5'2	T B	9	-10.118	-2.290	108.236	1.00	0.00	H
ATOM	864	C1'	A B	10	-5.081	-6.449	114.378	1.00	0.00	C
ATOM	865	N1	A B	10	-0.594	-5.548	112.056	1.00	0.00	N
ATOM	866	C2	A B	10	-1.083	-6.614	112.683	1.00	0.00	C
ATOM	867	N3	A B	10	-2.253	-6.780	113.259	1.00	0.00	N
ATOM	868	C4	A B	10	-2.990	-5.659	113.153	1.00	0.00	C
ATOM	869	C5	A B	10	-2.636	-4.486	112.544	1.00	0.00	C
ATOM	870	C6	A B	10	-1.351	-4.445	111.964	1.00	0.00	C
ATOM	871	N6	A B	10	-0.868	-3.360	111.332	1.00	0.00	N
ATOM	872	N7	A B	10	-3.653	-3.552	112.632	1.00	0.00	N
ATOM	873	C8	A B	10	-4.589	-4.171	113.287	1.00	0.00	C
ATOM	874	N9	A B	10	-4.258	-5.456	113.634	1.00	0.00	N
ATOM	875	C2'	A B	10	-5.916	-5.840	115.495	1.00	0.00	C
ATOM	876	C3'	A B	10	-7.180	-6.685	115.444	1.00	0.00	C
ATOM	877	O3'	A B	10	-6.976	-7.875	116.202	1.00	0.00	O
ATOM	878	C4'	A B	10	-7.337	-6.971	113.952	1.00	0.00	C
ATOM	879	O4'	A B	10	-5.962	-7.057	113.455	1.00	0.00	O
ATOM	880	C5'	A B	10	-8.080	-5.934	113.144	1.00	0.00	C
ATOM	881	O5'	A B	10	-7.765	-4.608	113.640	1.00	0.00	O
ATOM	882	O1P	A B	10	-9.960	-3.801	114.574	1.00	0.00	O
ATOM	883	O2P	A B	10	-8.269	-2.148	113.735	1.00	0.00	O
ATOM	884	P	A B	10	-8.898	-3.485	113.600	1.00	0.00	P
ATOM	885	H2	A B	10	-0.416	-7.474	112.726	1.00	0.00	H
ATOM	886	H8	A B	10	-5.546	-3.712	113.537	1.00	0.00	H
ATOM	887	H1'	A B	10	-4.415	-7.220	114.764	1.00	0.00	H
ATOM	888	H3'	A B	10	-8.044	-6.151	115.835	1.00	0.00	H
ATOM	889	H4'	A B	10	-7.879	-7.913	113.865	1.00	0.00	H
ATOM	890	H61	A B	10	0.077	-3.383	110.924	1.00	0.00	H
ATOM	891	H62	A B	10	-1.442	-2.509	111.258	1.00	0.00	H
ATOM	892	H2'1	A B	10	-6.138	-4.786	115.320	1.00	0.00	H
ATOM	893	H2'2	A B	10	-5.428	-5.916	116.467	1.00	0.00	H
ATOM	894	H5'1	A B	10	-7.783	-6.014	112.099	1.00	0.00	H
ATOM	895	H5'2	A B	10	-9.150	-6.113	113.228	1.00	0.00	H
ATOM	896	C1'	G B	11	-1.349	-8.284	117.090	1.00	0.00	C
ATOM	897	N1	G B	11	1.410	-4.718	114.702	1.00	0.00	N
ATOM	898	C2	G B	11	1.719	-6.036	114.989	1.00	0.00	C
ATOM	899	N2	G B	11	2.924	-6.459	114.587	1.00	0.00	N
ATOM	900	N3	G B	11	0.892	-6.864	115.623	1.00	0.00	N
ATOM	901	C4	G B	11	-0.280	-6.266	115.962	1.00	0.00	C
ATOM	902	C5	G B	11	-0.673	-4.960	115.723	1.00	0.00	C
ATOM	903	C6	G B	11	0.202	-4.080	115.045	1.00	0.00	C
ATOM	904	O6	G B	11	0.035	-2.898	114.744	1.00	0.00	O
ATOM	905	N7	G B	11	-1.955	-4.740	116.233	1.00	0.00	N
ATOM	906	C8	G B	11	-2.290	-5.893	116.751	1.00	0.00	C
ATOM	907	N9	G B	11	-1.324	-6.870	116.628	1.00	0.00	N
ATOM	908	C2'	G B	11	-2.037	-8.477	118.434	1.00	0.00	C
ATOM	909	C3'	G B	11	-2.716	-9.825	118.251	1.00	0.00	C
ATOM	910	O3'	G B	11	-1.784	-10.862	118.545	1.00	0.00	O

ATOM	911	C4'	G B	11	-3.116	-9.809	116.776	1.00	0.00	C
ATOM	912	O4'	G B	11	-2.053	-9.042	116.125	1.00	0.00	O
ATOM	913	C5'	G B	11	-4.444	-9.168	116.448	1.00	0.00	C
ATOM	914	O5'	G B	11	-4.668	-8.030	117.316	1.00	0.00	O
ATOM	915	O1P	G B	11	-6.642	-8.737	118.707	1.00	0.00	O
ATOM	916	O2P	G B	11	-6.221	-6.303	118.274	1.00	0.00	O
ATOM	917	P	G B	11	-6.158	-7.699	117.778	1.00	0.00	P
ATOM	918	H1	G B	11	2.117	-4.162	114.200	1.00	0.00	H
ATOM	919	H8	G B	11	-3.249	-6.066	117.239	1.00	0.00	H
ATOM	920	H1'	G B	11	-0.321	-8.652	117.120	1.00	0.00	H
ATOM	921	H21	G B	11	3.558	-5.813	114.093	1.00	0.00	H
ATOM	922	H3'	G B	11	-3.590	-9.933	118.892	1.00	0.00	H
ATOM	923	H22	G B	11	3.217	-7.428	114.773	1.00	0.00	H
ATOM	924	H4'	G B	11	-3.155	-10.847	116.446	1.00	0.00	H
ATOM	925	H2'1	G B	11	-2.764	-7.692	118.643	1.00	0.00	H
ATOM	926	H2'2	G B	11	-1.330	-8.498	119.262	1.00	0.00	H
ATOM	927	H5'1	G B	11	-4.437	-8.844	115.407	1.00	0.00	H
ATOM	928	H5'2	G B	11	-5.237	-9.902	116.590	1.00	0.00	H
ATOM	929	C1'	G B	12	3.351	-8.488	118.640	1.00	0.00	C
ATOM	930	N1	G B	12	3.434	-3.588	117.223	1.00	0.00	N
ATOM	931	C2	G B	12	4.377	-4.584	117.036	1.00	0.00	C
ATOM	932	N2	G B	12	5.492	-4.224	116.385	1.00	0.00	N
ATOM	933	N3	G B	12	4.220	-5.834	117.461	1.00	0.00	N
ATOM	934	C4	G B	12	3.037	-6.016	118.105	1.00	0.00	C
ATOM	935	C5	G B	12	2.041	-5.087	118.341	1.00	0.00	C
ATOM	936	C6	G B	12	2.204	-3.759	117.887	1.00	0.00	C
ATOM	937	O6	G B	12	1.442	-2.799	118.000	1.00	0.00	O
ATOM	938	N7	G B	12	0.983	-5.677	119.038	1.00	0.00	N
ATOM	939	C8	G B	12	1.364	-6.918	119.194	1.00	0.00	C
ATOM	940	N9	G B	12	2.601	-7.202	118.656	1.00	0.00	N
ATOM	941	C2'	G B	12	3.204	-9.298	119.921	1.00	0.00	C
ATOM	942	C3'	G B	12	3.198	-10.725	119.394	1.00	0.00	C
ATOM	943	O3'	G B	12	4.545	-11.169	119.233	1.00	0.00	O
ATOM	944	C4'	G B	12	2.470	-10.593	118.058	1.00	0.00	C
ATOM	945	O4'	G B	12	2.851	-9.266	117.571	1.00	0.00	O
ATOM	946	C5'	G B	12	0.961	-10.676	118.105	1.00	0.00	C
ATOM	947	O5'	G B	12	0.473	-10.039	119.310	1.00	0.00	O
ATOM	948	O1P	G B	12	-0.518	-11.948	120.618	1.00	0.00	O
ATOM	949	O2P	G B	12	-1.392	-9.619	120.942	1.00	0.00	O
ATOM	950	P	G B	12	-0.826	-10.633	120.021	1.00	0.00	P
ATOM	951	H1	G B	12	3.650	-2.651	116.848	1.00	0.00	H
ATOM	952	H8	G B	12	0.756	-7.665	119.707	1.00	0.00	H
ATOM	953	H1'	G B	12	4.398	-8.270	118.434	1.00	0.00	H
ATOM	954	H21	G B	12	5.604	-3.254	116.055	1.00	0.00	H
ATOM	955	H3'	G B	12	2.673	-11.406	120.063	1.00	0.00	H
ATOM	956	H22	G B	12	6.234	-4.917	116.216	1.00	0.00	H
ATOM	957	H4'	G B	12	2.828	-11.399	117.420	1.00	0.00	H
ATOM	958	H2'1	G B	12	2.279	-9.069	120.450	1.00	0.00	H
ATOM	959	H2'2	G B	12	4.029	-9.133	120.612	1.00	0.00	H
ATOM	960	H5'1	G B	12	0.549	-10.174	117.230	1.00	0.00	H
ATOM	961	H5'2	G B	12	0.662	-11.723	118.094	1.00	0.00	H
ATOM	962	C1'	T B	13	7.844	-6.598	119.501	1.00	0.00	C
ATOM	963	N1	T B	13	6.630	-5.899	120.000	1.00	0.00	N
ATOM	964	C2	T B	13	6.506	-4.557	119.698	1.00	0.00	C

ATOM	965	O2	T B	13	7.342	-3.946	119.055	1.00	0.00	O
ATOM	966	N3	T B	13	5.363	-3.946	120.181	1.00	0.00	N
ATOM	967	C4	T B	13	4.363	-4.542	120.919	1.00	0.00	C
ATOM	968	O4	T B	13	3.383	-3.891	121.300	1.00	0.00	O
ATOM	969	C5	T B	13	4.578	-5.946	121.183	1.00	0.00	C
ATOM	970	C6	T B	13	5.680	-6.574	120.728	1.00	0.00	C
ATOM	971	C7	T B	13	3.513	-6.637	121.981	1.00	0.00	C
ATOM	972	C2'	T B	13	8.403	-7.627	120.475	1.00	0.00	C
ATOM	973	C3'	T B	13	8.906	-8.712	119.537	1.00	0.00	C
ATOM	974	O3'	T B	13	10.218	-8.376	119.092	1.00	0.00	O
ATOM	975	C4'	T B	13	7.885	-8.680	118.402	1.00	0.00	C
ATOM	976	O4'	T B	13	7.494	-7.272	118.308	1.00	0.00	O
ATOM	977	C5'	T B	13	6.640	-9.516	118.593	1.00	0.00	C
ATOM	978	O5'	T B	13	6.240	-9.484	119.986	1.00	0.00	O
ATOM	979	O1P	T B	13	6.573	-11.861	120.741	1.00	0.00	O
ATOM	980	O2P	T B	13	4.862	-10.415	121.871	1.00	0.00	O
ATOM	981	P	T B	13	5.570	-10.784	120.621	1.00	0.00	P
ATOM	982	H3	T B	13	5.247	-2.946	119.965	1.00	0.00	H
ATOM	983	H6	T B	13	5.822	-7.633	120.941	1.00	0.00	H
ATOM	984	H1'	T B	13	8.594	-5.847	119.254	1.00	0.00	H
ATOM	985	H3'	T B	13	8.928	-9.690	120.018	1.00	0.00	H
ATOM	986	H4'	T B	13	8.393	-9.042	117.508	1.00	0.00	H
ATOM	987	H71	T B	13	3.922	-6.949	122.942	1.00	0.00	H
ATOM	988	H72	T B	13	2.680	-5.951	122.147	1.00	0.00	H
ATOM	989	H73	T B	13	3.159	-7.512	121.436	1.00	0.00	H
ATOM	990	H2'1	T B	13	7.642	-8.010	121.154	1.00	0.00	H
ATOM	991	H2'2	T B	13	9.213	-7.224	121.084	1.00	0.00	H
ATOM	992	H5'1	T B	13	5.841	-9.115	117.970	1.00	0.00	H
ATOM	993	H5'2	T B	13	6.848	-10.541	118.293	1.00	0.00	H
ATOM	994	C1'	G B	14	10.991	-2.866	120.407	1.00	0.00	C
ATOM	995	N1	G B	14	6.855	-0.575	122.325	1.00	0.00	N
ATOM	996	C2	G B	14	7.863	-0.065	121.527	1.00	0.00	C
ATOM	997	N2	G B	14	7.755	1.227	121.195	1.00	0.00	N
ATOM	998	N3	G B	14	8.894	-0.788	121.091	1.00	0.00	N
ATOM	999	C4	G B	14	8.845	-2.074	121.528	1.00	0.00	C
ATOM	1000	C5	G B	14	7.885	-2.668	122.329	1.00	0.00	C
ATOM	1001	C6	G B	14	6.787	-1.904	122.788	1.00	0.00	C
ATOM	1002	O6	G B	14	5.843	-2.249	123.501	1.00	0.00	O
ATOM	1003	N7	G B	14	8.203	-4.009	122.551	1.00	0.00	N
ATOM	1004	C8	G B	14	9.320	-4.183	121.891	1.00	0.00	C
ATOM	1005	N9	G B	14	9.773	-3.051	121.245	1.00	0.00	N
ATOM	1006	C2'	G B	14	12.205	-3.631	120.916	1.00	0.00	C
ATOM	1007	C3'	G B	14	12.888	-4.041	119.621	1.00	0.00	C
ATOM	1008	O3'	G B	14	13.713	-2.970	119.168	1.00	0.00	O
ATOM	1009	C4'	G B	14	11.710	-4.299	118.684	1.00	0.00	C
ATOM	1010	O4'	G B	14	10.695	-3.333	119.107	1.00	0.00	O
ATOM	1011	C5'	G B	14	11.108	-5.683	118.726	1.00	0.00	C
ATOM	1012	O5'	G B	14	11.128	-6.184	120.087	1.00	0.00	O
ATOM	1013	O1P	G B	14	12.730	-8.123	119.969	1.00	0.00	O
ATOM	1014	O2P	G B	14	10.913	-8.102	121.697	1.00	0.00	O
ATOM	1015	P	G B	14	11.348	-7.747	120.326	1.00	0.00	P
ATOM	1016	H1	G B	14	6.096	0.067	122.601	1.00	0.00	H
ATOM	1017	H8	G B	14	9.846	-5.136	121.856	1.00	0.00	H
ATOM	1018	H1'	G B	14	11.201	-1.798	120.342	1.00	0.00	H

ATOM	1019	H21	G B	14	6.952	1.779	121.533	1.00	0.00	H
ATOM	1020	H3'	G B	14	13.495	-4.938	119.745	1.00	0.00	H
ATOM	1021	H22	G B	14	8.474	1.669	120.605	1.00	0.00	H
ATOM	1022	H4'	G B	14	12.069	-4.123	117.669	1.00	0.00	H
ATOM	1023	H2'1	G B	14	11.927	-4.501	121.511	1.00	0.00	H
ATOM	1024	H2'2	G B	14	12.858	-3.011	121.530	1.00	0.00	H
ATOM	1025	H5'1	G B	14	10.081	-5.638	118.366	1.00	0.00	H
ATOM	1026	H5'2	G B	14	11.686	-6.344	118.080	1.00	0.00	H
ATOM	1027	C1'	C B	15	12.199	1.631	122.093	1.00	0.00	C
ATOM	1028	N1	C B	15	11.463	0.671	122.959	1.00	0.00	N
ATOM	1029	C2	C B	15	10.296	1.115	123.579	1.00	0.00	C
ATOM	1030	O2	C B	15	9.924	2.280	123.386	1.00	0.00	O
ATOM	1031	N3	C B	15	9.610	0.256	124.372	1.00	0.00	N
ATOM	1032	C4	C B	15	10.039	-0.998	124.563	1.00	0.00	C
ATOM	1033	N4	C B	15	9.327	-1.796	125.345	1.00	0.00	N
ATOM	1034	C5	C B	15	11.239	-1.480	123.940	1.00	0.00	C
ATOM	1035	C6	C B	15	11.910	-0.600	123.144	1.00	0.00	C
ATOM	1036	C2'	C B	15	13.714	1.512	122.194	1.00	0.00	C
ATOM	1037	C3'	C B	15	14.151	1.803	120.766	1.00	0.00	C
ATOM	1038	O3'	C B	15	14.246	3.214	120.584	1.00	0.00	O
ATOM	1039	C4'	C B	15	13.028	1.188	119.935	1.00	0.00	C
ATOM	1040	O4'	C B	15	11.829	1.373	120.752	1.00	0.00	O
ATOM	1041	C5'	C B	15	13.165	-0.282	119.605	1.00	0.00	C
ATOM	1042	O5'	C B	15	13.761	-0.981	120.726	1.00	0.00	O
ATOM	1043	O1P	C B	15	15.985	-1.741	119.822	1.00	0.00	O
ATOM	1044	O2P	C B	15	14.872	-3.033	121.663	1.00	0.00	O
ATOM	1045	P	C B	15	14.726	-2.216	120.434	1.00	0.00	P
ATOM	1046	H5	C B	15	11.594	-2.499	124.098	1.00	0.00	H
ATOM	1047	H6	C B	15	12.825	-0.922	122.643	1.00	0.00	H
ATOM	1048	H1'	C B	15	11.870	2.640	122.345	1.00	0.00	H
ATOM	1049	H3'	C B	15	15.111	1.343	120.533	1.00	0.00	H
ATOM	1050	H4'	C B	15	12.993	1.737	118.993	1.00	0.00	H
ATOM	1051	H41	C B	15	9.634	-2.767	125.505	1.00	0.00	H
ATOM	1052	H42	C B	15	8.467	-1.446	125.792	1.00	0.00	H
ATOM	1053	H2'1	C B	15	14.030	0.518	122.510	1.00	0.00	H
ATOM	1054	H2'2	C B	15	14.141	2.229	122.895	1.00	0.00	H
ATOM	1055	H5'1	C B	15	12.178	-0.694	119.396	1.00	0.00	H
ATOM	1056	H5'2	C B	15	13.795	-0.393	118.724	1.00	0.00	H
ATOM	1057	C1'	G B	16	11.596	5.609	124.982	1.00	0.00	C
ATOM	1058	N1	G B	16	9.221	2.307	128.060	1.00	0.00	N
ATOM	1059	C2	G B	16	8.876	3.601	127.711	1.00	0.00	C
ATOM	1060	N2	G B	16	7.750	4.078	128.256	1.00	0.00	N
ATOM	1061	N3	G B	16	9.597	4.356	126.884	1.00	0.00	N
ATOM	1062	C4	G B	16	10.706	3.714	126.433	1.00	0.00	C
ATOM	1063	C5	G B	16	11.131	2.431	126.731	1.00	0.00	C
ATOM	1064	C6	G B	16	10.365	1.626	127.606	1.00	0.00	C
ATOM	1065	O6	G B	16	10.576	0.473	127.986	1.00	0.00	O
ATOM	1066	N7	G B	16	12.326	2.149	126.062	1.00	0.00	N
ATOM	1067	C8	G B	16	12.579	3.246	125.395	1.00	0.00	C
ATOM	1068	N9	G B	16	11.641	4.243	125.569	1.00	0.00	N
ATOM	1069	C2'	G B	16	12.960	6.270	124.861	1.00	0.00	C
ATOM	1070	C3'	G B	16	12.822	7.053	123.564	1.00	0.00	C
ATOM	1071	O3'	G B	16	12.204	8.308	123.840	1.00	0.00	O
ATOM	1072	C4'	G B	16	11.934	6.146	122.714	1.00	0.00	C

ATOM	1073	O4'	G B	16	11.047	5.500	123.683	1.00	0.00	O
ATOM	1074	C5'	G B	16	12.638	5.076	121.914	1.00	0.00	C
ATOM	1075	O5'	G B	16	13.759	4.557	122.670	1.00	0.00	O
ATOM	1076	O1P	G B	16	15.756	5.278	121.317	1.00	0.00	O
ATOM	1077	O2P	G B	16	15.891	3.229	122.757	1.00	0.00	O
ATOM	1078	P	G B	16	15.071	4.102	121.881	1.00	0.00	P
ATOM	1079	H1	G B	16	8.590	1.805	128.703	1.00	0.00	H
ATOM	1080	H8	G B	16	13.453	3.361	124.755	1.00	0.00	H
ATOM	1081	H1'	G B	16	10.918	6.217	125.581	1.00	0.00	H
ATOM	1082	H21	G B	16	7.196	3.488	128.891	1.00	0.00	H
ATOM	1083	H3'	G B	16	13.785	7.222	123.083	1.00	0.00	H
ATOM	1084	H22	G B	16	7.440	5.036	128.036	1.00	0.00	H
ATOM	1085	H4'	G B	16	11.402	6.790	122.013	1.00	0.00	H
ATOM	1086	H2'1	G B	16	13.770	5.541	124.799	1.00	0.00	H
ATOM	1087	H2'2	G B	16	13.178	6.929	125.702	1.00	0.00	H
ATOM	1088	H5'1	G B	16	11.935	4.270	121.699	1.00	0.00	H
ATOM	1089	H5'2	G B	16	12.990	5.504	120.977	1.00	0.00	H
ATOM	1090	C1'	G B	17	10.001	7.957	129.040	1.00	0.00	C
ATOM	1091	N1	G B	17	10.301	3.321	131.149	1.00	0.00	N
ATOM	1092	C2	G B	17	9.323	4.293	131.273	1.00	0.00	C
ATOM	1093	N2	G B	17	8.288	3.988	132.066	1.00	0.00	N
ATOM	1094	N3	G B	17	9.373	5.470	130.656	1.00	0.00	N
ATOM	1095	C4	G B	17	10.494	5.611	129.900	1.00	0.00	C
ATOM	1096	C5	G B	17	11.522	4.701	129.719	1.00	0.00	C
ATOM	1097	C6	G B	17	11.469	3.448	130.371	1.00	0.00	C
ATOM	1098	O6	G B	17	12.276	2.519	130.336	1.00	0.00	O
ATOM	1099	N7	G B	17	12.491	5.232	128.865	1.00	0.00	N
ATOM	1100	C8	G B	17	12.030	6.416	128.560	1.00	0.00	C
ATOM	1101	N9	G B	17	10.821	6.719	129.151	1.00	0.00	N
ATOM	1102	C2'	G B	17	10.827	9.235	128.982	1.00	0.00	C
ATOM	1103	C3'	G B	17	10.012	10.097	128.030	1.00	0.00	C
ATOM	1104	O3'	G B	17	8.982	10.758	128.761	1.00	0.00	O
ATOM	1105	C4'	G B	17	9.455	9.075	127.041	1.00	0.00	C
ATOM	1106	O4'	G B	17	9.248	7.870	127.846	1.00	0.00	O
ATOM	1107	C5'	G B	17	10.336	8.727	125.866	1.00	0.00	C
ATOM	1108	O5'	G B	17	11.724	8.709	126.283	1.00	0.00	O
ATOM	1109	O1P	G B	17	12.736	10.634	125.015	1.00	0.00	O
ATOM	1110	O2P	G B	17	14.168	8.690	125.697	1.00	0.00	O
ATOM	1111	P	G B	17	12.842	9.180	125.246	1.00	0.00	P
ATOM	1112	H1	G B	17	10.164	2.440	131.666	1.00	0.00	H
ATOM	1113	H8	G B	17	12.554	7.104	127.896	1.00	0.00	H
ATOM	1114	H1'	G B	17	9.303	7.979	129.876	1.00	0.00	H
ATOM	1115	H21	G B	17	8.254	3.073	132.538	1.00	0.00	H
ATOM	1116	H3'	G B	17	10.628	10.839	127.521	1.00	0.00	H
ATOM	1117	H22	G B	17	7.528	4.668	132.202	1.00	0.00	H
ATOM	1118	H4'	G B	17	8.525	9.488	126.648	1.00	0.00	H
ATOM	1119	H2'1	G B	17	11.831	9.062	128.599	1.00	0.00	H
ATOM	1120	H2'2	G B	17	10.926	9.708	129.959	1.00	0.00	H
ATOM	1121	H5'1	G B	17	10.054	7.745	125.485	1.00	0.00	H
ATOM	1122	H5'2	G B	17	10.196	9.470	125.081	1.00	0.00	H
ATOM	1123	C1'	C B	18	8.619	8.188	133.790	1.00	0.00	C
ATOM	1124	N1	C B	18	9.912	7.556	133.407	1.00	0.00	N
ATOM	1125	C2	C B	18	10.180	6.278	133.891	1.00	0.00	C
ATOM	1126	O2	C B	18	9.341	5.723	134.613	1.00	0.00	O

ATOM	1127	N3	C B	18	11.352	5.685	133.554	1.00	0.00	N
ATOM	1128	C4	C B	18	12.239	6.312	132.770	1.00	0.00	C
ATOM	1129	N4	C B	18	13.367	5.684	132.472	1.00	0.00	N
ATOM	1130	C5	C B	18	11.989	7.626	132.262	1.00	0.00	C
ATOM	1131	C6	C B	18	10.804	8.202	132.611	1.00	0.00	C
ATOM	1132	C2'	C B	18	8.722	9.685	134.054	1.00	0.00	C
ATOM	1133	C3'	C B	18	7.390	10.193	133.523	1.00	0.00	C
ATOM	1134	O3'	C B	18	6.397	10.051	134.536	1.00	0.00	O
ATOM	1135	C4'	C B	18	7.130	9.278	132.328	1.00	0.00	C
ATOM	1136	O4'	C B	18	7.712	7.994	132.721	1.00	0.00	O
ATOM	1137	C5'	C B	18	7.740	9.702	131.014	1.00	0.00	C
ATOM	1138	O5'	C B	18	9.037	10.308	131.246	1.00	0.00	O
ATOM	1139	O1P	C B	18	8.695	12.704	130.555	1.00	0.00	O
ATOM	1140	O2P	C B	18	10.978	11.672	130.418	1.00	0.00	O
ATOM	1141	P	C B	18	9.510	11.500	130.299	1.00	0.00	P
ATOM	1142	H5	C B	18	12.711	8.142	131.627	1.00	0.00	H
ATOM	1143	H6	C B	18	10.568	9.201	132.245	1.00	0.00	H
ATOM	1144	H1'	C B	18	8.228	7.664	134.661	1.00	0.00	H
ATOM	1145	H3'	C B	18	7.446	11.236	133.216	1.00	0.00	H
ATOM	1146	H4'	C B	18	6.049	9.233	132.192	1.00	0.00	H
ATOM	1147	H41	C B	18	14.067	6.142	131.869	1.00	0.00	H
ATOM	1148	H42	C B	18	13.543	4.738	132.839	1.00	0.00	H
ATOM	1149	H2'1	C B	18	9.559	10.141	133.528	1.00	0.00	H
ATOM	1150	H2'2	C B	18	8.841	9.910	135.114	1.00	0.00	H
ATOM	1151	H5'1	C B	18	7.853	8.829	130.370	1.00	0.00	H
ATOM	1152	H5'2	C B	18	7.081	10.421	130.528	1.00	0.00	H
ATOM	1153	C1'	C B	19	8.571	6.625	138.489	1.00	0.00	C
ATOM	1154	N1	C B	19	9.859	6.850	137.779	1.00	0.00	N
ATOM	1155	C2	C B	19	10.802	5.824	137.793	1.00	0.00	C
ATOM	1156	O2	C B	19	10.531	4.774	138.390	1.00	0.00	O
ATOM	1157	N3	C B	19	11.981	6.011	137.153	1.00	0.00	N
ATOM	1158	C4	C B	19	12.244	7.160	136.516	1.00	0.00	C
ATOM	1159	N4	C B	19	13.412	7.288	135.908	1.00	0.00	N
ATOM	1160	C5	C B	19	11.294	8.230	136.488	1.00	0.00	C
ATOM	1161	C6	C B	19	10.114	8.020	137.137	1.00	0.00	C
ATOM	1162	C2'	C B	19	8.041	7.858	139.204	1.00	0.00	C
ATOM	1163	C3'	C B	19	6.536	7.709	139.019	1.00	0.00	C
ATOM	1164	O3'	C B	19	6.021	6.858	140.040	1.00	0.00	O
ATOM	1165	C4'	C B	19	6.425	7.081	137.632	1.00	0.00	C
ATOM	1166	O4'	C B	19	7.613	6.231	137.525	1.00	0.00	O
ATOM	1167	C5'	C B	19	6.410	8.036	136.461	1.00	0.00	C
ATOM	1168	O5'	C B	19	7.292	9.155	136.727	1.00	0.00	O
ATOM	1169	O1P	C B	19	5.720	11.112	136.885	1.00	0.00	O
ATOM	1170	O2P	C B	19	8.098	11.466	136.165	1.00	0.00	O
ATOM	1171	P	C B	19	6.899	10.593	136.164	1.00	0.00	P
ATOM	1172	H5	C B	19	11.504	9.168	135.973	1.00	0.00	H
ATOM	1173	H6	C B	19	9.360	8.808	137.141	1.00	0.00	H
ATOM	1174	H1'	C B	19	8.707	5.796	139.185	1.00	0.00	H
ATOM	1175	H3'	C B	19	6.024	8.671	139.058	1.00	0.00	H
ATOM	1176	H4'	C B	19	5.494	6.516	137.613	1.00	0.00	H
ATOM	1177	H41	C B	19	13.640	8.160	135.408	1.00	0.00	H
ATOM	1178	H42	C B	19	14.094	6.514	135.930	1.00	0.00	H
ATOM	1179	H2'1	C B	19	8.404	8.783	138.760	1.00	0.00	H
ATOM	1180	H2'2	C B	19	8.311	7.872	140.261	1.00	0.00	H

ATOM	1181	H5'1	C B	19	6.739	7.510	135.566	1.00	0.00	H
ATOM	1182	H5'2	C B	19	5.393	8.397	136.311	1.00	0.00	H
ATOM	1183	C1'	T B	20	10.445	4.274	142.421	1.00	0.00	C
ATOM	1184	N1	T B	20	11.269	5.266	141.679	1.00	0.00	N
ATOM	1185	C2	T B	20	12.528	4.867	141.278	1.00	0.00	C
ATOM	1186	O2	T B	20	12.972	3.755	141.508	1.00	0.00	O
ATOM	1187	N3	T B	20	13.257	5.820	140.594	1.00	0.00	N
ATOM	1188	C4	T B	20	12.851	7.099	140.284	1.00	0.00	C
ATOM	1189	O4	T B	20	13.598	7.868	139.664	1.00	0.00	O
ATOM	1190	C5	T B	20	11.522	7.426	140.743	1.00	0.00	C
ATOM	1191	C6	T B	20	10.782	6.523	141.413	1.00	0.00	C
ATOM	1192	C7	T B	20	11.039	8.810	140.426	1.00	0.00	C
ATOM	1193	C2'	T B	20	9.611	4.884	143.541	1.00	0.00	C
ATOM	1194	C3'	T B	20	8.346	4.041	143.487	1.00	0.00	C
ATOM	1195	O3'	T B	20	8.544	2.849	144.243	1.00	0.00	O
ATOM	1196	C4'	T B	20	8.187	3.759	141.995	1.00	0.00	C
ATOM	1197	O4'	T B	20	9.561	3.671	141.497	1.00	0.00	O
ATOM	1198	C5'	T B	20	7.448	4.801	141.188	1.00	0.00	C
ATOM	1199	O5'	T B	20	7.766	6.126	141.690	1.00	0.00	O
ATOM	1200	O1P	T B	20	5.575	6.936	142.625	1.00	0.00	O
ATOM	1201	O2P	T B	20	7.271	8.586	141.790	1.00	0.00	O
ATOM	1202	P	T B	20	6.639	7.252	141.651	1.00	0.00	P
ATOM	1203	H3	T B	20	14.200	5.546	140.282	1.00	0.00	H
ATOM	1204	H6	T B	20	9.781	6.791	141.750	1.00	0.00	H
ATOM	1205	H1'	T B	20	11.107	3.500	142.806	1.00	0.00	H
ATOM	1206	H3'	T B	20	7.482	4.578	143.880	1.00	0.00	H
ATOM	1207	H4'	T B	20	7.640	2.820	141.906	1.00	0.00	H
ATOM	1208	H3T	T B	20	8.849	2.983	145.143	1.00	0.00	H
ATOM	1209	H71	T B	20	10.909	9.370	141.352	1.00	0.00	H
ATOM	1210	H72	T B	20	11.771	9.315	139.793	1.00	0.00	H
ATOM	1211	H73	T B	20	10.086	8.750	139.899	1.00	0.00	H
ATOM	1212	H2'1	T B	20	9.394	5.937	143.367	1.00	0.00	H
ATOM	1213	H2'2	T B	20	10.100	4.804	144.512	1.00	0.00	H
ATOM	1214	H5'1	T B	20	7.743	4.723	140.143	1.00	0.00	H
ATOM	1215	H5'2	T B	20	6.377	4.625	141.274	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-21.320	-1.103	142.795	1.00	0.00	C
ATOM	2	N1	A A	1	-23.067	3.556	141.543	1.00	0.00	N
ATOM	3	C2	A A	1	-23.677	2.390	141.738	1.00	0.00	C
ATOM	4	N3	A A	1	-23.164	1.223	142.064	1.00	0.00	N
ATOM	5	C4	A A	1	-21.829	1.319	142.189	1.00	0.00	C
ATOM	6	C5	A A	1	-21.056	2.434	142.022	1.00	0.00	C
ATOM	7	C6	A A	1	-21.734	3.622	141.677	1.00	0.00	C
ATOM	8	N6	A A	1	-21.108	4.795	141.481	1.00	0.00	N
ATOM	9	N7	A A	1	-19.718	2.151	142.235	1.00	0.00	N
ATOM	10	C8	A A	1	-19.710	0.883	142.522	1.00	0.00	C
ATOM	11	N9	A A	1	-20.954	0.311	142.514	1.00	0.00	N
ATOM	12	C2'	A A	1	-20.315	-2.115	142.261	1.00	0.00	C
ATOM	13	C3'	A A	1	-20.349	-3.192	143.332	1.00	0.00	C
ATOM	14	O3'	A A	1	-21.431	-4.081	143.067	1.00	0.00	O
ATOM	15	C4'	A A	1	-20.562	-2.390	144.615	1.00	0.00	C
ATOM	16	O4'	A A	1	-21.392	-1.259	144.200	1.00	0.00	O
ATOM	17	C5'	A A	1	-19.318	-1.856	145.287	1.00	0.00	C
ATOM	18	O5'	A A	1	-18.352	-1.454	144.282	1.00	0.00	O

ATOM	19	H2	A A	1	-24.759	2.404	141.610	1.00	0.00	H
ATOM	20	H8	A A	1	-18.799	0.327	142.746	1.00	0.00	H
ATOM	21	H1'	A A	1	-22.313	-1.287	142.386	1.00	0.00	H
ATOM	22	H3'	A A	1	-19.418	-3.759	143.373	1.00	0.00	H
ATOM	23	H4'	A A	1	-21.063	-3.051	145.322	1.00	0.00	H
ATOM	24	H61	A A	1	-21.648	5.632	141.230	1.00	0.00	H
ATOM	25	H62	A A	1	-20.084	4.852	141.581	1.00	0.00	H
ATOM	26	H5T	A A	1	-17.418	-1.565	144.469	1.00	0.00	H
ATOM	27	H2'1	A A	1	-19.317	-1.691	142.157	1.00	0.00	H
ATOM	28	H2'2	A A	1	-20.606	-2.513	141.289	1.00	0.00	H
ATOM	29	H5'1	A A	1	-19.585	-0.999	145.904	1.00	0.00	H
ATOM	30	H5'2	A A	1	-18.890	-2.633	145.918	1.00	0.00	H
ATOM	31	C1'	G A	2	-24.765	-1.461	139.237	1.00	0.00	C
ATOM	32	N1	G A	2	-23.340	3.312	138.141	1.00	0.00	N
ATOM	33	C2	G A	2	-24.603	2.757	138.202	1.00	0.00	C
ATOM	34	N2	G A	2	-25.623	3.581	137.934	1.00	0.00	N
ATOM	35	N3	G A	2	-24.833	1.481	138.507	1.00	0.00	N
ATOM	36	C4	G A	2	-23.685	0.792	138.743	1.00	0.00	C
ATOM	37	C5	G A	2	-22.382	1.263	138.701	1.00	0.00	C
ATOM	38	C6	G A	2	-22.140	2.620	138.382	1.00	0.00	C
ATOM	39	O6	G A	2	-21.067	3.217	138.299	1.00	0.00	O
ATOM	40	N7	G A	2	-21.488	0.233	139.006	1.00	0.00	N
ATOM	41	C8	G A	2	-22.258	-0.802	139.219	1.00	0.00	C
ATOM	42	N9	G A	2	-23.606	-0.541	139.077	1.00	0.00	N
ATOM	43	C2'	G A	2	-24.506	-2.871	138.725	1.00	0.00	C
ATOM	44	C3'	G A	2	-25.281	-3.718	139.721	1.00	0.00	C
ATOM	45	O3'	G A	2	-26.646	-3.788	139.313	1.00	0.00	O
ATOM	46	C4'	G A	2	-25.108	-2.949	141.029	1.00	0.00	C
ATOM	47	O4'	G A	2	-25.060	-1.547	140.618	1.00	0.00	O
ATOM	48	C5'	G A	2	-23.868	-3.262	141.831	1.00	0.00	C
ATOM	49	O5'	G A	2	-22.754	-3.511	140.937	1.00	0.00	O
ATOM	50	O1P	G A	2	-22.233	-5.943	141.320	1.00	0.00	O
ATOM	51	O2P	G A	2	-20.427	-4.379	140.554	1.00	0.00	O
ATOM	52	P	G A	2	-21.655	-4.587	141.361	1.00	0.00	P
ATOM	53	H1	G A	2	-23.272	4.311	137.899	1.00	0.00	H
ATOM	54	H8	G A	2	-21.870	-1.785	139.485	1.00	0.00	H
ATOM	55	H1'	G A	2	-25.624	-1.016	138.738	1.00	0.00	H
ATOM	56	H21	G A	2	-25.440	4.567	137.701	1.00	0.00	H
ATOM	57	H3'	G A	2	-24.876	-4.727	139.800	1.00	0.00	H
ATOM	58	H22	G A	2	-26.590	3.227	137.962	1.00	0.00	H
ATOM	59	H4'	G A	2	-25.973	-3.182	141.649	1.00	0.00	H
ATOM	60	H2'1	G A	2	-23.446	-3.124	138.730	1.00	0.00	H
ATOM	61	H2'2	G A	2	-24.873	-3.015	137.708	1.00	0.00	H
ATOM	62	H5'1	G A	2	-23.637	-2.415	142.478	1.00	0.00	H
ATOM	63	H5'2	G A	2	-24.051	-4.142	142.447	1.00	0.00	H
ATOM	64	C1'	G A	3	-27.402	0.235	135.404	1.00	0.00	C
ATOM	65	N1	G A	3	-23.378	3.293	134.716	1.00	0.00	N
ATOM	66	C2	G A	3	-24.729	3.575	134.642	1.00	0.00	C
ATOM	67	N2	G A	3	-25.052	4.839	134.341	1.00	0.00	N
ATOM	68	N3	G A	3	-25.681	2.669	134.850	1.00	0.00	N
ATOM	69	C4	G A	3	-25.175	1.441	135.135	1.00	0.00	C
ATOM	70	C5	G A	3	-23.844	1.067	135.228	1.00	0.00	C
ATOM	71	C6	G A	3	-22.832	2.031	135.011	1.00	0.00	C
ATOM	72	O6	G A	3	-21.608	1.893	135.049	1.00	0.00	O

ATOM	73	N7	G A	3	-23.746	-0.290	135.540	1.00	0.00	N
ATOM	74	C8	G A	3	-24.988	-0.686	135.628	1.00	0.00	C
ATOM	75	N9	G A	3	-25.916	0.309	135.394	1.00	0.00	N
ATOM	76	C2'	G A	3	-27.957	-1.061	134.830	1.00	0.00	C
ATOM	77	C3'	G A	3	-29.174	-1.302	135.707	1.00	0.00	C
ATOM	78	O3'	G A	3	-30.278	-0.564	135.186	1.00	0.00	O
ATOM	79	C4'	G A	3	-28.722	-0.779	137.069	1.00	0.00	C
ATOM	80	O4'	G A	3	-27.830	0.335	136.750	1.00	0.00	O
ATOM	81	C5'	G A	3	-27.978	-1.757	137.948	1.00	0.00	C
ATOM	82	O5'	G A	3	-27.132	-2.606	137.132	1.00	0.00	O
ATOM	83	O1P	G A	3	-28.155	-4.889	137.411	1.00	0.00	O
ATOM	84	O2P	G A	3	-25.712	-4.665	136.888	1.00	0.00	O
ATOM	85	P	G A	3	-26.906	-4.121	137.580	1.00	0.00	P
ATOM	86	H1	G A	3	-22.720	4.068	134.542	1.00	0.00	H
ATOM	87	H8	G A	3	-25.269	-1.712	135.864	1.00	0.00	H
ATOM	88	H1'	G A	3	-27.792	1.099	134.864	1.00	0.00	H
ATOM	89	H21	G A	3	-24.309	5.536	134.184	1.00	0.00	H
ATOM	90	H3'	G A	3	-29.439	-2.359	135.758	1.00	0.00	H
ATOM	91	H22	G A	3	-26.041	5.113	134.269	1.00	0.00	H
ATOM	92	H4'	G A	3	-29.619	-0.468	137.602	1.00	0.00	H
ATOM	93	H2'1	G A	3	-27.245	-1.883	134.905	1.00	0.00	H
ATOM	94	H2'2	G A	3	-28.235	-0.964	133.781	1.00	0.00	H
ATOM	95	H5'1	G A	3	-27.368	-1.205	138.662	1.00	0.00	H
ATOM	96	H5'2	G A	3	-28.698	-2.367	138.492	1.00	0.00	H
ATOM	97	C1'	C A	4	-28.171	3.158	131.480	1.00	0.00	C
ATOM	98	N1	C A	4	-26.918	2.358	131.593	1.00	0.00	N
ATOM	99	C2	C A	4	-25.706	3.023	131.436	1.00	0.00	C
ATOM	100	O2	C A	4	-25.715	4.239	131.208	1.00	0.00	O
ATOM	101	N3	C A	4	-24.555	2.312	131.535	1.00	0.00	N
ATOM	102	C4	C A	4	-24.578	0.996	131.781	1.00	0.00	C
ATOM	103	N4	C A	4	-23.424	0.352	131.871	1.00	0.00	N
ATOM	104	C5	C A	4	-25.813	0.289	131.945	1.00	0.00	C
ATOM	105	C6	C A	4	-26.957	1.023	131.844	1.00	0.00	C
ATOM	106	C2'	C A	4	-29.306	2.424	130.783	1.00	0.00	C
ATOM	107	C3'	C A	4	-30.525	2.927	131.543	1.00	0.00	C
ATOM	108	O3'	C A	4	-30.944	4.171	130.983	1.00	0.00	O
ATOM	109	C4'	C A	4	-29.995	3.085	132.966	1.00	0.00	C
ATOM	110	O4'	C A	4	-28.597	3.479	132.792	1.00	0.00	O
ATOM	111	C5'	C A	4	-30.043	1.853	133.839	1.00	0.00	C
ATOM	112	O5'	C A	4	-29.761	0.675	133.042	1.00	0.00	O
ATOM	113	O1P	C A	4	-31.932	-0.597	133.092	1.00	0.00	O
ATOM	114	O2P	C A	4	-29.767	-1.825	132.781	1.00	0.00	O
ATOM	115	P	C A	4	-30.494	-0.694	133.408	1.00	0.00	P
ATOM	116	H5	C A	4	-25.836	-0.784	132.141	1.00	0.00	H
ATOM	117	H6	C A	4	-27.921	0.529	131.967	1.00	0.00	H
ATOM	118	H1'	C A	4	-27.934	4.088	130.968	1.00	0.00	H
ATOM	119	H3'	C A	4	-31.351	2.218	131.505	1.00	0.00	H
ATOM	120	H4'	C A	4	-30.598	3.855	133.445	1.00	0.00	H
ATOM	121	H41	C A	4	-23.413	-0.661	132.061	1.00	0.00	H
ATOM	122	H42	C A	4	-22.537	0.863	131.751	1.00	0.00	H
ATOM	123	H2'1	C A	4	-29.212	1.341	130.861	1.00	0.00	H
ATOM	124	H2'2	C A	4	-29.370	2.671	129.722	1.00	0.00	H
ATOM	125	H5'1	C A	4	-29.301	1.946	134.633	1.00	0.00	H
ATOM	126	H5'2	C A	4	-31.035	1.767	134.283	1.00	0.00	H

ATOM	127	C1'	C A	5	-26.707	5.990	127.690	1.00	0.00	C
ATOM	128	N1	C A	5	-26.169	4.612	127.855	1.00	0.00	N
ATOM	129	C2	C A	5	-24.786	4.446	127.836	1.00	0.00	C
ATOM	130	O2	C A	5	-24.065	5.442	127.683	1.00	0.00	O
ATOM	131	N3	C A	5	-24.275	3.199	127.986	1.00	0.00	N
ATOM	132	C4	C A	5	-25.079	2.141	128.148	1.00	0.00	C
ATOM	133	N4	C A	5	-24.526	0.947	128.294	1.00	0.00	N
ATOM	134	C5	C A	5	-26.505	2.282	128.170	1.00	0.00	C
ATOM	135	C6	C A	5	-26.995	3.547	128.021	1.00	0.00	C
ATOM	136	C2'	C A	5	-27.981	6.055	126.860	1.00	0.00	C
ATOM	137	C3'	C A	5	-28.752	7.172	127.549	1.00	0.00	C
ATOM	138	O3'	C A	5	-28.316	8.427	127.034	1.00	0.00	O
ATOM	139	C4'	C A	5	-28.376	6.988	129.018	1.00	0.00	C
ATOM	140	O4'	C A	5	-26.999	6.496	128.980	1.00	0.00	O
ATOM	141	C5'	C A	5	-29.216	6.011	129.807	1.00	0.00	C
ATOM	142	O5'	C A	5	-29.587	4.889	128.965	1.00	0.00	O
ATOM	143	O1P	C A	5	-32.087	5.119	128.764	1.00	0.00	O
ATOM	144	O2P	C A	5	-31.011	2.861	128.556	1.00	0.00	O
ATOM	145	P	C A	5	-31.010	4.203	129.188	1.00	0.00	P
ATOM	146	H5	C A	5	-27.163	1.423	128.297	1.00	0.00	H
ATOM	147	H6	C A	5	-28.074	3.705	128.035	1.00	0.00	H
ATOM	148	H1'	C A	5	-25.925	6.611	127.254	1.00	0.00	H
ATOM	149	H3'	C A	5	-29.829	7.075	127.402	1.00	0.00	H
ATOM	150	H4'	C A	5	-28.468	7.965	129.491	1.00	0.00	H
ATOM	151	H41	C A	5	-25.122	0.115	128.422	1.00	0.00	H
ATOM	152	H42	C A	5	-23.500	0.847	128.277	1.00	0.00	H
ATOM	153	H2'1	C A	5	-28.538	5.118	126.881	1.00	0.00	H
ATOM	154	H2'2	C A	5	-27.782	6.295	125.815	1.00	0.00	H
ATOM	155	H5'1	C A	5	-28.641	5.654	130.662	1.00	0.00	H
ATOM	156	H5'2	C A	5	-30.112	6.517	130.165	1.00	0.00	H
ATOM	157	C1'	G A	6	-23.503	7.450	124.209	1.00	0.00	C
ATOM	158	N1	G A	6	-21.747	2.678	124.623	1.00	0.00	N
ATOM	159	C2	G A	6	-21.056	3.873	124.515	1.00	0.00	C
ATOM	160	N2	G A	6	-19.721	3.783	124.516	1.00	0.00	N
ATOM	161	N3	G A	6	-21.652	5.059	124.415	1.00	0.00	N
ATOM	162	C4	G A	6	-23.006	4.961	124.423	1.00	0.00	C
ATOM	163	C5	G A	6	-23.779	3.817	124.524	1.00	0.00	C
ATOM	164	C6	G A	6	-23.149	2.555	124.634	1.00	0.00	C
ATOM	165	O6	G A	6	-23.657	1.440	124.731	1.00	0.00	O
ATOM	166	N7	G A	6	-25.136	4.146	124.493	1.00	0.00	N
ATOM	167	C8	G A	6	-25.142	5.449	124.381	1.00	0.00	C
ATOM	168	N9	G A	6	-23.886	6.017	124.332	1.00	0.00	N
ATOM	169	C2'	G A	6	-24.412	8.251	123.287	1.00	0.00	C
ATOM	170	C3'	G A	6	-24.453	9.605	123.977	1.00	0.00	C
ATOM	171	O3'	G A	6	-23.319	10.370	123.573	1.00	0.00	O
ATOM	172	C4'	G A	6	-24.401	9.233	125.458	1.00	0.00	C
ATOM	173	O4'	G A	6	-23.570	8.029	125.498	1.00	0.00	O
ATOM	174	C5'	G A	6	-25.722	8.929	126.120	1.00	0.00	C
ATOM	175	O5'	G A	6	-26.593	8.241	125.188	1.00	0.00	O
ATOM	176	O1P	G A	6	-28.457	9.887	124.805	1.00	0.00	O
ATOM	177	O2P	G A	6	-28.883	7.428	124.548	1.00	0.00	O
ATOM	178	P	G A	6	-28.163	8.514	125.258	1.00	0.00	P
ATOM	179	H1	G A	6	-21.191	1.813	124.703	1.00	0.00	H
ATOM	180	H8	G A	6	-26.060	6.037	124.332	1.00	0.00	H

ATOM	181	H1'	G A	6	-22.466	7.498	123.872	1.00	0.00	H
ATOM	182	H21	G A	6	-19.266	2.861	124.596	1.00	0.00	H
ATOM	183	H3'	G A	6	-25.362	10.156	123.742	1.00	0.00	H
ATOM	184	H22	G A	6	-19.148	4.636	124.435	1.00	0.00	H
ATOM	185	H4'	G A	6	-23.951	10.076	125.982	1.00	0.00	H
ATOM	186	H2'1	G A	6	-25.409	7.815	123.209	1.00	0.00	H
ATOM	187	H2'2	G A	6	-24.011	8.332	122.276	1.00	0.00	H
ATOM	188	H5'1	G A	6	-25.551	8.304	126.996	1.00	0.00	H
ATOM	189	H5'2	G A	6	-26.187	9.863	126.437	1.00	0.00	H
ATOM	190	C1'	C A	7	-19.712	6.784	121.090	1.00	0.00	C
ATOM	191	N1	C A	7	-20.860	5.837	121.099	1.00	0.00	N
ATOM	192	C2	C A	7	-20.580	4.476	121.206	1.00	0.00	C
ATOM	193	O2	C A	7	-19.402	4.111	121.290	1.00	0.00	O
ATOM	194	N3	C A	7	-21.612	3.596	121.216	1.00	0.00	N
ATOM	195	C4	C A	7	-22.879	4.019	121.122	1.00	0.00	C
ATOM	196	N4	C A	7	-23.848	3.116	121.138	1.00	0.00	N
ATOM	197	C5	C A	7	-23.196	5.412	121.005	1.00	0.00	C
ATOM	198	C6	C A	7	-22.141	6.281	121.004	1.00	0.00	C
ATOM	199	C2'	C A	7	-19.896	7.964	120.145	1.00	0.00	C
ATOM	200	C3'	C A	7	-19.220	9.090	120.910	1.00	0.00	C
ATOM	201	O3'	C A	7	-17.819	9.060	120.648	1.00	0.00	O
ATOM	202	C4'	C A	7	-19.542	8.756	122.365	1.00	0.00	C
ATOM	203	O4'	C A	7	-19.566	7.294	122.403	1.00	0.00	O
ATOM	204	C5'	C A	7	-20.861	9.274	122.896	1.00	0.00	C
ATOM	205	O5'	C A	7	-21.867	9.216	121.854	1.00	0.00	O
ATOM	206	O1P	C A	7	-22.394	11.638	121.415	1.00	0.00	O
ATOM	207	O2P	C A	7	-24.126	9.876	120.978	1.00	0.00	O
ATOM	208	P	C A	7	-22.990	10.345	121.807	1.00	0.00	P
ATOM	209	H5	C A	7	-24.226	5.762	120.922	1.00	0.00	H
ATOM	210	H6	C A	7	-22.332	7.352	120.924	1.00	0.00	H
ATOM	211	H1'	C A	7	-18.809	6.224	120.846	1.00	0.00	H
ATOM	212	H3'	C A	7	-19.618	10.067	120.632	1.00	0.00	H
ATOM	213	H4'	C A	7	-18.747	9.188	122.973	1.00	0.00	H
ATOM	214	H41	C A	7	-24.832	3.414	121.070	1.00	0.00	H
ATOM	215	H42	C A	7	-23.621	2.114	121.219	1.00	0.00	H
ATOM	216	H2'1	C A	7	-20.945	8.184	119.959	1.00	0.00	H
ATOM	217	H2'2	C A	7	-19.419	7.796	119.178	1.00	0.00	H
ATOM	218	H5'1	C A	7	-21.171	8.662	123.743	1.00	0.00	H
ATOM	219	H5'2	C A	7	-20.733	10.305	123.226	1.00	0.00	H
ATOM	220	C1'	A A	8	-16.701	4.065	118.255	1.00	0.00	C
ATOM	221	N1	A A	8	-20.688	0.835	118.114	1.00	0.00	N
ATOM	222	C2	A A	8	-19.382	0.644	118.261	1.00	0.00	C
ATOM	223	N3	A A	8	-18.403	1.523	118.291	1.00	0.00	N
ATOM	224	C4	A A	8	-18.894	2.768	118.139	1.00	0.00	C
ATOM	225	C5	A A	8	-20.202	3.133	117.978	1.00	0.00	C
ATOM	226	C6	A A	8	-21.147	2.088	117.966	1.00	0.00	C
ATOM	227	N6	A A	8	-22.467	2.294	117.817	1.00	0.00	N
ATOM	228	N7	A A	8	-20.325	4.506	117.853	1.00	0.00	N
ATOM	229	C8	A A	8	-19.100	4.939	117.938	1.00	0.00	C
ATOM	230	N9	A A	8	-18.178	3.940	118.114	1.00	0.00	N
ATOM	231	C2'	A A	8	-16.090	5.145	117.372	1.00	0.00	C
ATOM	232	C3'	A A	8	-14.974	5.680	118.253	1.00	0.00	C
ATOM	233	O3'	A A	8	-13.821	4.857	118.098	1.00	0.00	O
ATOM	234	C4'	A A	8	-15.570	5.580	119.657	1.00	0.00	C

ATOM	235	O4'	A A	8	-16.422	4.391	119.603	1.00	0.00	O
ATOM	236	C5'	A A	8	-16.403	6.753	120.115	1.00	0.00	C
ATOM	237	O5'	A A	8	-17.159	7.286	118.998	1.00	0.00	O
ATOM	238	O1P	A A	8	-16.173	9.578	118.669	1.00	0.00	O
ATOM	239	O2P	A A	8	-18.547	9.124	117.994	1.00	0.00	O
ATOM	240	P	A A	8	-17.432	8.856	118.936	1.00	0.00	P
ATOM	241	H2	A A	8	-19.075	-0.395	118.373	1.00	0.00	H
ATOM	242	H8	A A	8	-18.832	5.993	117.874	1.00	0.00	H
ATOM	243	H1'	A A	8	-16.255	3.092	118.047	1.00	0.00	H
ATOM	244	H3'	A A	8	-14.717	6.710	118.007	1.00	0.00	H
ATOM	245	H4'	A A	8	-14.735	5.475	120.348	1.00	0.00	H
ATOM	246	H61	A A	8	-23.117	1.496	117.817	1.00	0.00	H
ATOM	247	H62	A A	8	-22.827	3.253	117.700	1.00	0.00	H
ATOM	248	H2'1	A A	8	-16.805	5.926	117.119	1.00	0.00	H
ATOM	249	H2'2	A A	8	-15.700	4.742	116.437	1.00	0.00	H
ATOM	250	H5'1	A A	8	-17.086	6.421	120.897	1.00	0.00	H
ATOM	251	H5'2	A A	8	-15.747	7.525	120.517	1.00	0.00	H
ATOM	252	C1'	C A	9	-15.587	0.078	115.510	1.00	0.00	C
ATOM	253	N1	C A	9	-16.830	0.854	115.243	1.00	0.00	N
ATOM	254	C2	C A	9	-18.034	0.154	115.169	1.00	0.00	C
ATOM	255	O2	C A	9	-18.020	-1.073	115.324	1.00	0.00	O
ATOM	256	N3	C A	9	-19.175	0.841	114.926	1.00	0.00	N
ATOM	257	C4	C A	9	-19.158	2.170	114.759	1.00	0.00	C
ATOM	258	N4	C A	9	-20.305	2.793	114.528	1.00	0.00	N
ATOM	259	C5	C A	9	-17.935	2.916	114.827	1.00	0.00	C
ATOM	260	C6	C A	9	-16.797	2.204	115.077	1.00	0.00	C
ATOM	261	C2'	C A	9	-14.373	0.585	114.745	1.00	0.00	C
ATOM	262	C3'	C A	9	-13.250	0.355	115.747	1.00	0.00	C
ATOM	263	O3'	C A	9	-12.795	-0.991	115.640	1.00	0.00	O
ATOM	264	C4'	C A	9	-13.928	0.630	117.086	1.00	0.00	C
ATOM	265	O4'	C A	9	-15.307	0.180	116.894	1.00	0.00	O
ATOM	266	C5'	C A	9	-13.951	2.071	117.543	1.00	0.00	C
ATOM	267	O5'	C A	9	-14.129	2.945	116.398	1.00	0.00	O
ATOM	268	O1P	C A	9	-11.955	4.208	116.287	1.00	0.00	O
ATOM	269	O2P	C A	9	-14.056	5.248	115.393	1.00	0.00	O
ATOM	270	P	C A	9	-13.417	4.372	116.406	1.00	0.00	P
ATOM	271	H5	C A	9	-17.915	3.997	114.686	1.00	0.00	H
ATOM	272	H6	C A	9	-15.843	2.727	115.146	1.00	0.00	H
ATOM	273	H1'	C A	9	-15.785	-0.969	115.284	1.00	0.00	H
ATOM	274	H3'	C A	9	-12.413	1.034	115.582	1.00	0.00	H
ATOM	275	H4'	C A	9	-13.392	0.053	117.838	1.00	0.00	H
ATOM	276	H41	C A	9	-20.319	3.815	114.399	1.00	0.00	H
ATOM	277	H42	C A	9	-21.182	2.254	114.477	1.00	0.00	H
ATOM	278	H2'1	C A	9	-14.458	1.637	114.480	1.00	0.00	H
ATOM	279	H2'2	C A	9	-14.204	0.027	113.823	1.00	0.00	H
ATOM	280	H5'1	C A	9	-14.774	2.212	118.246	1.00	0.00	H
ATOM	281	H5'2	C A	9	-13.012	2.304	118.042	1.00	0.00	H
ATOM	282	C1'	C A	10	-16.692	-3.797	112.631	1.00	0.00	C
ATOM	283	N1	C A	10	-17.222	-2.443	112.312	1.00	0.00	N
ATOM	284	C2	C A	10	-18.593	-2.314	112.098	1.00	0.00	C
ATOM	285	O2	C A	10	-19.310	-3.320	112.180	1.00	0.00	O
ATOM	286	N3	C A	10	-19.096	-1.090	111.806	1.00	0.00	N
ATOM	287	C4	C A	10	-18.297	-0.017	111.722	1.00	0.00	C
ATOM	288	N4	C A	10	-18.843	1.156	111.437	1.00	0.00	N

ATOM	289	C5	C A	10	-16.882	-0.122	111.933	1.00	0.00	C
ATOM	290	C6	C A	10	-16.398	-1.364	112.231	1.00	0.00	C
ATOM	291	C2'	C A	10	-15.339	-4.090	111.998	1.00	0.00	C
ATOM	292	C3'	C A	10	-14.664	-4.931	113.072	1.00	0.00	C
ATOM	293	O3'	C A	10	-15.064	-6.290	112.920	1.00	0.00	O
ATOM	294	C4'	C A	10	-15.188	-4.315	114.366	1.00	0.00	C
ATOM	295	O4'	C A	10	-16.546	-3.881	114.036	1.00	0.00	O
ATOM	296	C5'	C A	10	-14.421	-3.129	114.905	1.00	0.00	C
ATOM	297	O5'	C A	10	-13.943	-2.314	113.806	1.00	0.00	O
ATOM	298	O1P	C A	10	-11.441	-2.551	113.946	1.00	0.00	O
ATOM	299	O2P	C A	10	-12.452	-0.482	112.950	1.00	0.00	O
ATOM	300	P	C A	10	-12.542	-1.567	113.956	1.00	0.00	P
ATOM	301	H5	C A	10	-16.226	0.747	111.861	1.00	0.00	H
ATOM	302	H6	C A	10	-15.331	-1.492	112.408	1.00	0.00	H
ATOM	303	H1'	C A	10	-17.434	-4.533	112.326	1.00	0.00	H
ATOM	304	H3'	C A	10	-13.576	-4.866	113.016	1.00	0.00	H
ATOM	305	H4'	C A	10	-15.162	-5.099	115.122	1.00	0.00	H
ATOM	306	H41	C A	10	-18.250	1.996	111.368	1.00	0.00	H
ATOM	307	H42	C A	10	-19.859	1.228	111.283	1.00	0.00	H
ATOM	308	H2'1	C A	10	-14.772	-3.182	111.792	1.00	0.00	H
ATOM	309	H2'2	C A	10	-15.431	-4.641	111.061	1.00	0.00	H
ATOM	310	H5'1	C A	10	-15.076	-2.539	115.546	1.00	0.00	H
ATOM	311	H5'2	C A	10	-13.576	-3.488	115.491	1.00	0.00	H
ATOM	312	C1'	T A	11	-19.523	-6.319	109.449	1.00	0.00	C
ATOM	313	N1	T A	11	-19.159	-4.905	109.165	1.00	0.00	N
ATOM	314	C2	T A	11	-20.188	-4.040	108.854	1.00	0.00	C
ATOM	315	O2	T A	11	-21.356	-4.392	108.805	1.00	0.00	O
ATOM	316	N3	T A	11	-19.808	-2.735	108.598	1.00	0.00	N
ATOM	317	C4	T A	11	-18.521	-2.236	108.623	1.00	0.00	C
ATOM	318	O4	T A	11	-18.300	-1.045	108.372	1.00	0.00	O
ATOM	319	C5	T A	11	-17.513	-3.215	108.958	1.00	0.00	C
ATOM	320	C6	T A	11	-17.849	-4.494	109.213	1.00	0.00	C
ATOM	321	C7	T A	11	-16.101	-2.714	108.999	1.00	0.00	C
ATOM	322	C2'	T A	11	-18.518	-7.331	108.912	1.00	0.00	C
ATOM	323	C3'	T A	11	-18.547	-8.407	109.985	1.00	0.00	C
ATOM	324	O3'	T A	11	-19.630	-9.299	109.725	1.00	0.00	O
ATOM	325	C4'	T A	11	-18.755	-7.604	111.266	1.00	0.00	C
ATOM	326	O4'	T A	11	-19.590	-6.475	110.853	1.00	0.00	O
ATOM	327	C5'	T A	11	-17.511	-7.067	111.933	1.00	0.00	C
ATOM	328	O5'	T A	11	-16.550	-6.665	110.925	1.00	0.00	O
ATOM	329	O1P	T A	11	-14.651	-8.283	111.252	1.00	0.00	O
ATOM	330	O2P	T A	11	-14.208	-6.007	110.296	1.00	0.00	O
ATOM	331	P	T A	11	-14.996	-6.850	111.229	1.00	0.00	P
ATOM	332	H3	T A	11	-20.557	-2.070	108.367	1.00	0.00	H
ATOM	333	H6	T A	11	-17.072	-5.216	109.465	1.00	0.00	H
ATOM	334	H1'	T A	11	-20.518	-6.504	109.043	1.00	0.00	H
ATOM	335	H3'	T A	11	-17.616	-8.972	110.022	1.00	0.00	H
ATOM	336	H4'	T A	11	-19.255	-8.263	111.977	1.00	0.00	H
ATOM	337	H71	T A	11	-15.523	-3.189	108.205	1.00	0.00	H
ATOM	338	H72	T A	11	-16.094	-1.633	108.856	1.00	0.00	H
ATOM	339	H73	T A	11	-15.656	-2.955	109.966	1.00	0.00	H
ATOM	340	H2'1	T A	11	-17.521	-6.905	108.804	1.00	0.00	H
ATOM	341	H2'2	T A	11	-18.811	-7.729	107.941	1.00	0.00	H
ATOM	342	H5'1	T A	11	-17.777	-6.210	112.552	1.00	0.00	H

ATOM	343	H5'2	T	A	11	-17.080	-7.844	112.564	1.00	0.00	H
ATOM	344	C1'	A	A	12	-22.968	-6.700	105.897	1.00	0.00	C
ATOM	345	N1	A	A	12	-21.560	-1.891	104.790	1.00	0.00	N
ATOM	346	C2	A	A	12	-22.747	-2.485	104.866	1.00	0.00	C
ATOM	347	N3	A	A	12	-23.041	-3.734	105.160	1.00	0.00	N
ATOM	348	C4	A	A	12	-21.916	-4.432	105.399	1.00	0.00	C
ATOM	349	C5	A	A	12	-20.629	-3.975	105.362	1.00	0.00	C
ATOM	350	C6	A	A	12	-20.456	-2.612	105.036	1.00	0.00	C
ATOM	351	N6	A	A	12	-19.251	-2.024	104.961	1.00	0.00	N
ATOM	352	N7	A	A	12	-19.732	-4.982	105.666	1.00	0.00	N
ATOM	353	C8	A	A	12	-20.485	-6.021	105.873	1.00	0.00	C
ATOM	354	N9	A	A	12	-21.825	-5.762	105.731	1.00	0.00	N
ATOM	355	C2'	A	A	12	-22.685	-8.106	105.384	1.00	0.00	C
ATOM	356	C3'	A	A	12	-23.443	-8.966	106.384	1.00	0.00	C
ATOM	357	O3'	A	A	12	-24.807	-9.059	105.979	1.00	0.00	O
ATOM	358	C4'	A	A	12	-23.280	-8.192	107.692	1.00	0.00	C
ATOM	359	O4'	A	A	12	-23.257	-6.789	107.278	1.00	0.00	O
ATOM	360	C5'	A	A	12	-22.034	-8.483	108.491	1.00	0.00	C
ATOM	361	O5'	A	A	12	-20.917	-8.714	107.595	1.00	0.00	O
ATOM	362	O1P	A	A	12	-20.353	-11.137	107.980	1.00	0.00	O
ATOM	363	O2P	A	A	12	-18.577	-9.542	107.208	1.00	0.00	O
ATOM	364	P	A	A	12	-19.800	-9.770	108.017	1.00	0.00	P
ATOM	365	H2	A	A	12	-23.603	-1.845	104.651	1.00	0.00	H
ATOM	366	H8	A	A	12	-20.093	-7.004	106.136	1.00	0.00	H
ATOM	367	H1'	A	A	12	-23.837	-6.272	105.399	1.00	0.00	H
ATOM	368	H3'	A	A	12	-23.021	-9.968	106.465	1.00	0.00	H
ATOM	369	H4'	A	A	12	-24.140	-8.440	108.314	1.00	0.00	H
ATOM	370	H61	A	A	12	-19.180	-1.025	104.720	1.00	0.00	H
ATOM	371	H62	A	A	12	-18.398	-2.572	105.146	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-21.621	-8.342	105.388	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-23.051	-8.260	104.370	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-21.817	-7.631	109.136	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-22.200	-9.365	109.106	1.00	0.00	H
ATOM	376	C1'	G	A	13	-25.605	-4.981	102.058	1.00	0.00	C
ATOM	377	N1	G	A	13	-21.581	-1.923	101.371	1.00	0.00	N
ATOM	378	C2	G	A	13	-22.932	-1.641	101.296	1.00	0.00	C
ATOM	379	N2	G	A	13	-23.255	-0.376	100.994	1.00	0.00	N
ATOM	380	N3	G	A	13	-23.885	-2.547	101.503	1.00	0.00	N
ATOM	381	C4	G	A	13	-23.377	-3.775	101.788	1.00	0.00	C
ATOM	382	C5	G	A	13	-22.047	-4.150	101.881	1.00	0.00	C
ATOM	383	C6	G	A	13	-21.035	-3.186	101.665	1.00	0.00	C
ATOM	384	O6	G	A	13	-19.811	-3.325	101.701	1.00	0.00	O
ATOM	385	N7	G	A	13	-21.948	-5.506	102.193	1.00	0.00	N
ATOM	386	C8	G	A	13	-23.191	-5.903	102.280	1.00	0.00	C
ATOM	387	N9	G	A	13	-24.119	-4.907	102.048	1.00	0.00	N
ATOM	388	C2'	G	A	13	-26.159	-6.277	101.483	1.00	0.00	C
ATOM	389	C3'	G	A	13	-27.377	-6.518	102.360	1.00	0.00	C
ATOM	390	O3'	G	A	13	-28.481	-5.780	101.840	1.00	0.00	O
ATOM	391	C4'	G	A	13	-26.923	-5.996	103.722	1.00	0.00	C
ATOM	392	O4'	G	A	13	-26.032	-4.881	103.402	1.00	0.00	O
ATOM	393	C5'	G	A	13	-26.181	-6.974	104.601	1.00	0.00	C
ATOM	394	O5'	G	A	13	-25.334	-7.821	103.787	1.00	0.00	O
ATOM	395	O1P	G	A	13	-26.356	-10.105	104.065	1.00	0.00	O
ATOM	396	O2P	G	A	13	-23.914	-9.880	103.541	1.00	0.00	O

ATOM	397	P	G A	13	-25.109	-9.337	104.233	1.00	0.00	P
ATOM	398	H1	G A	13	-20.922	-1.147	101.198	1.00	0.00	H
ATOM	399	H8	G A	13	-23.473	-6.928	102.518	1.00	0.00	H
ATOM	400	H1'	G A	13	-25.993	-4.116	101.518	1.00	0.00	H
ATOM	401	H21	G A	13	-22.512	0.321	100.837	1.00	0.00	H
ATOM	402	H3'	G A	13	-27.641	-7.574	102.411	1.00	0.00	H
ATOM	403	H22	G A	13	-24.244	-0.103	100.920	1.00	0.00	H
ATOM	404	H4'	G A	13	-27.821	-5.683	104.256	1.00	0.00	H
ATOM	405	H2'1	G A	13	-25.448	-7.100	101.558	1.00	0.00	H
ATOM	406	H2'2	G A	13	-26.437	-6.179	100.434	1.00	0.00	H
ATOM	407	H5'1	G A	13	-25.571	-6.420	105.315	1.00	0.00	H
ATOM	408	H5'2	G A	13	-26.900	-7.584	105.146	1.00	0.00	H
ATOM	409	C1'	G A	14	-26.373	-2.058	98.133	1.00	0.00	C
ATOM	410	N1	G A	14	-21.276	-1.910	97.959	1.00	0.00	N
ATOM	411	C2	G A	14	-22.200	-0.894	97.792	1.00	0.00	C
ATOM	412	N2	G A	14	-21.701	0.323	97.542	1.00	0.00	N
ATOM	413	N3	G A	14	-23.518	-1.078	97.867	1.00	0.00	N
ATOM	414	C4	G A	14	-23.844	-2.371	98.118	1.00	0.00	C
ATOM	415	C5	G A	14	-22.993	-3.450	98.294	1.00	0.00	C
ATOM	416	C6	G A	14	-21.596	-3.256	98.220	1.00	0.00	C
ATOM	417	O6	G A	14	-20.689	-4.078	98.345	1.00	0.00	O
ATOM	418	N7	G A	14	-23.732	-4.613	98.532	1.00	0.00	N
ATOM	419	C8	G A	14	-24.975	-4.212	98.495	1.00	0.00	C
ATOM	420	N9	G A	14	-25.124	-2.863	98.247	1.00	0.00	N
ATOM	421	C2'	G A	14	-27.513	-2.791	97.440	1.00	0.00	C
ATOM	422	C3'	G A	14	-28.728	-2.280	98.198	1.00	0.00	C
ATOM	423	O3'	G A	14	-29.142	-1.038	97.636	1.00	0.00	O
ATOM	424	C4'	G A	14	-28.196	-2.122	99.623	1.00	0.00	C
ATOM	425	O4'	G A	14	-26.796	-1.733	99.443	1.00	0.00	O
ATOM	426	C5'	G A	14	-28.247	-3.352	100.498	1.00	0.00	C
ATOM	427	O5'	G A	14	-27.972	-4.531	99.704	1.00	0.00	O
ATOM	428	O1P	G A	14	-30.147	-5.795	99.760	1.00	0.00	O
ATOM	429	O2P	G A	14	-27.987	-7.032	99.451	1.00	0.00	O
ATOM	430	P	G A	14	-28.709	-5.895	100.074	1.00	0.00	P
ATOM	431	H1	G A	14	-20.277	-1.660	97.888	1.00	0.00	H
ATOM	432	H8	G A	14	-25.819	-4.885	98.646	1.00	0.00	H
ATOM	433	H1'	G A	14	-26.133	-1.129	97.617	1.00	0.00	H
ATOM	434	H21	G A	14	-20.680	0.457	97.490	1.00	0.00	H
ATOM	435	H3'	G A	14	-29.557	-2.987	98.165	1.00	0.00	H
ATOM	436	H22	G A	14	-22.336	1.121	97.406	1.00	0.00	H
ATOM	437	H4'	G A	14	-28.794	-1.347	100.100	1.00	0.00	H
ATOM	438	H2'1	G A	14	-27.421	-3.874	97.521	1.00	0.00	H
ATOM	439	H2'2	G A	14	-27.577	-2.547	96.378	1.00	0.00	H
ATOM	440	H5'1	G A	14	-27.505	-3.257	101.290	1.00	0.00	H
ATOM	441	H5'2	G A	14	-29.239	-3.430	100.944	1.00	0.00	H
ATOM	442	C1'	A A	15	-24.933	0.780	94.343	1.00	0.00	C
ATOM	443	N1	A A	15	-20.663	-2.056	94.587	1.00	0.00	N
ATOM	444	C2	A A	15	-20.867	-0.753	94.418	1.00	0.00	C
ATOM	445	N3	A A	15	-21.999	-0.084	94.368	1.00	0.00	N
ATOM	446	C4	A A	15	-23.042	-0.922	94.512	1.00	0.00	C
ATOM	447	C5	A A	15	-23.003	-2.276	94.691	1.00	0.00	C
ATOM	448	C6	A A	15	-21.723	-2.867	94.729	1.00	0.00	C
ATOM	449	N6	A A	15	-21.527	-4.186	94.898	1.00	0.00	N
ATOM	450	N7	A A	15	-24.277	-2.804	94.802	1.00	0.00	N

ATOM	451	C8	A A	15	-25.054	-1.767	94.684	1.00	0.00	C
ATOM	452	N9	A A	15	-24.375	-0.589	94.507	1.00	0.00	N
ATOM	453	C2'	A A	15	-26.213	0.828	93.520	1.00	0.00	C
ATOM	454	C3'	A A	15	-26.994	1.935	94.210	1.00	0.00	C
ATOM	455	O3'	A A	15	-26.576	3.193	93.690	1.00	0.00	O
ATOM	456	C4'	A A	15	-26.608	1.760	95.678	1.00	0.00	C
ATOM	457	O4'	A A	15	-25.224	1.285	95.632	1.00	0.00	O
ATOM	458	C5'	A A	15	-27.430	0.775	96.475	1.00	0.00	C
ATOM	459	O5'	A A	15	-27.792	-0.353	95.638	1.00	0.00	O
ATOM	460	O1P	A A	15	-30.294	-0.159	95.450	1.00	0.00	O
ATOM	461	O2P	A A	15	-29.192	-2.402	95.241	1.00	0.00	O
ATOM	462	P	A A	15	-29.202	-1.059	95.870	1.00	0.00	P
ATOM	463	H2	A A	15	-19.965	-0.151	94.306	1.00	0.00	H
ATOM	464	H8	A A	15	-26.141	-1.828	94.722	1.00	0.00	H
ATOM	465	H1'	A A	15	-24.162	1.411	93.902	1.00	0.00	H
ATOM	466	H3'	A A	15	-28.070	1.825	94.070	1.00	0.00	H
ATOM	467	H4'	A A	15	-26.707	2.736	96.149	1.00	0.00	H
ATOM	468	H61	A A	15	-20.571	-4.565	94.921	1.00	0.00	H
ATOM	469	H62	A A	15	-22.337	-4.815	95.006	1.00	0.00	H
ATOM	470	H2'1	A A	15	-26.756	-0.118	93.546	1.00	0.00	H
ATOM	471	H2'2	A A	15	-26.024	1.067	92.473	1.00	0.00	H
ATOM	472	H5'1	A A	15	-26.845	0.428	97.326	1.00	0.00	H
ATOM	473	H5'2	A A	15	-28.331	1.269	96.835	1.00	0.00	H
ATOM	474	C1'	C A	16	-21.703	2.235	90.861	1.00	0.00	C
ATOM	475	N1	C A	16	-22.081	0.800	90.986	1.00	0.00	N
ATOM	476	C2	C A	16	-21.057	-0.140	91.069	1.00	0.00	C
ATOM	477	O2	C A	16	-19.883	0.253	91.034	1.00	0.00	O
ATOM	478	N3	C A	16	-21.378	-1.452	91.183	1.00	0.00	N
ATOM	479	C4	C A	16	-22.658	-1.845	91.217	1.00	0.00	C
ATOM	480	N4	C A	16	-22.915	-3.139	91.333	1.00	0.00	N
ATOM	481	C5	C A	16	-23.734	-0.902	91.130	1.00	0.00	C
ATOM	482	C6	C A	16	-23.386	0.415	91.019	1.00	0.00	C
ATOM	483	C2'	C A	16	-22.614	3.030	89.936	1.00	0.00	C
ATOM	484	C3'	C A	16	-22.661	4.386	90.627	1.00	0.00	C
ATOM	485	O3'	C A	16	-21.532	5.155	90.225	1.00	0.00	O
ATOM	486	C4'	C A	16	-22.612	4.013	92.108	1.00	0.00	C
ATOM	487	O4'	C A	16	-21.777	2.812	92.152	1.00	0.00	O
ATOM	488	C5'	C A	16	-23.937	3.705	92.767	1.00	0.00	C
ATOM	489	O5'	C A	16	-24.800	3.013	91.831	1.00	0.00	O
ATOM	490	O1P	C A	16	-26.671	4.651	91.443	1.00	0.00	O
ATOM	491	O2P	C A	16	-27.085	2.191	91.187	1.00	0.00	O
ATOM	492	P	C A	16	-26.371	3.279	91.896	1.00	0.00	P
ATOM	493	H5	C A	16	-24.777	-1.218	91.150	1.00	0.00	H
ATOM	494	H6	C A	16	-24.169	1.172	90.959	1.00	0.00	H
ATOM	495	H1'	C A	16	-20.666	2.287	90.529	1.00	0.00	H
ATOM	496	H3'	C A	16	-23.575	4.932	90.388	1.00	0.00	H
ATOM	497	H4'	C A	16	-22.169	4.861	92.631	1.00	0.00	H
ATOM	498	H41	C A	16	-23.892	-3.468	91.364	1.00	0.00	H
ATOM	499	H42	C A	16	-22.142	-3.816	91.393	1.00	0.00	H
ATOM	500	H2'1	C A	16	-23.609	2.591	89.856	1.00	0.00	H
ATOM	501	H2'2	C A	16	-22.210	3.113	88.927	1.00	0.00	H
ATOM	502	H5'1	C A	16	-23.762	3.080	93.642	1.00	0.00	H
ATOM	503	H5'2	C A	16	-24.406	4.638	93.080	1.00	0.00	H
ATOM	504	C1'	G A	17	-17.915	1.567	87.744	1.00	0.00	C

ATOM	505	N1	G A	17	-19.295	-3.336	88.011	1.00	0.00	N
ATOM	506	C2	G A	17	-18.034	-2.766	88.032	1.00	0.00	C
ATOM	507	N2	G A	17	-17.004	-3.617	88.134	1.00	0.00	N
ATOM	508	N3	G A	17	-17.820	-1.455	87.956	1.00	0.00	N
ATOM	509	C4	G A	17	-18.974	-0.747	87.849	1.00	0.00	C
ATOM	510	C5	G A	17	-20.272	-1.228	87.816	1.00	0.00	C
ATOM	511	C6	G A	17	-20.503	-2.621	87.902	1.00	0.00	C
ATOM	512	O6	G A	17	-21.570	-3.234	87.889	1.00	0.00	O
ATOM	513	N7	G A	17	-21.177	-0.170	87.696	1.00	0.00	N
ATOM	514	C8	G A	17	-20.416	0.893	87.664	1.00	0.00	C
ATOM	515	N9	G A	17	-19.066	0.625	87.751	1.00	0.00	N
ATOM	516	C2'	G A	17	-18.095	2.750	86.803	1.00	0.00	C
ATOM	517	C3'	G A	17	-17.415	3.873	87.567	1.00	0.00	C
ATOM	518	O3'	G A	17	-16.015	3.838	87.304	1.00	0.00	O
ATOM	519	C4'	G A	17	-17.738	3.536	89.022	1.00	0.00	C
ATOM	520	O4'	G A	17	-17.765	2.074	89.057	1.00	0.00	O
ATOM	521	C5'	G A	17	-19.051	4.058	89.557	1.00	0.00	C
ATOM	522	O5'	G A	17	-20.059	4.005	88.517	1.00	0.00	O
ATOM	523	O1P	G A	17	-20.577	6.430	88.086	1.00	0.00	O
ATOM	524	O2P	G A	17	-22.318	4.677	87.647	1.00	0.00	O
ATOM	525	P	G A	17	-21.178	5.140	88.475	1.00	0.00	P
ATOM	526	H1	G A	17	-19.354	-4.363	88.082	1.00	0.00	H
ATOM	527	H8	G A	17	-20.815	1.904	87.575	1.00	0.00	H
ATOM	528	H1'	G A	17	-17.015	1.005	87.496	1.00	0.00	H
ATOM	529	H21	G A	17	-17.179	-4.630	88.195	1.00	0.00	H
ATOM	530	H3'	G A	17	-17.810	4.852	87.294	1.00	0.00	H
ATOM	531	H22	G A	17	-16.040	-3.256	88.152	1.00	0.00	H
ATOM	532	H4'	G A	17	-16.938	3.960	89.630	1.00	0.00	H
ATOM	533	H2'1	G A	17	-19.147	2.975	86.618	1.00	0.00	H
ATOM	534	H2'2	G A	17	-17.621	2.585	85.834	1.00	0.00	H
ATOM	535	H5'1	G A	17	-19.361	3.446	90.403	1.00	0.00	H
ATOM	536	H5'2	G A	17	-18.918	5.087	89.891	1.00	0.00	H
ATOM	537	C1'	G A	18	-14.918	-1.171	84.908	1.00	0.00	C
ATOM	538	N1	G A	18	-18.898	-4.360	84.767	1.00	0.00	N
ATOM	539	C2	G A	18	-17.550	-4.629	84.923	1.00	0.00	C
ATOM	540	N2	G A	18	-17.218	-5.920	85.057	1.00	0.00	N
ATOM	541	N3	G A	18	-16.610	-3.686	84.945	1.00	0.00	N
ATOM	542	C4	G A	18	-17.124	-2.439	84.787	1.00	0.00	C
ATOM	543	C5	G A	18	-18.452	-2.076	84.621	1.00	0.00	C
ATOM	544	C6	G A	18	-19.452	-3.076	84.603	1.00	0.00	C
ATOM	545	O6	G A	18	-20.669	-2.952	84.467	1.00	0.00	O
ATOM	546	N7	G A	18	-18.560	-0.690	84.492	1.00	0.00	N
ATOM	547	C8	G A	18	-17.326	-0.266	84.587	1.00	0.00	C
ATOM	548	N9	G A	18	-16.397	-1.269	84.765	1.00	0.00	N
ATOM	549	C2'	G A	18	-14.285	-0.103	84.029	1.00	0.00	C
ATOM	550	C3'	G A	18	-13.163	0.414	84.912	1.00	0.00	C
ATOM	551	O3'	G A	18	-12.022	-0.429	84.761	1.00	0.00	O
ATOM	552	C4'	G A	18	-13.764	0.325	86.314	1.00	0.00	C
ATOM	553	O4'	G A	18	-14.636	-0.850	86.257	1.00	0.00	O
ATOM	554	C5'	G A	18	-14.580	1.510	86.771	1.00	0.00	C
ATOM	555	O5'	G A	18	-15.322	2.056	85.652	1.00	0.00	O
ATOM	556	O1P	G A	18	-14.296	4.332	85.327	1.00	0.00	O
ATOM	557	O2P	G A	18	-16.674	3.919	84.644	1.00	0.00	O
ATOM	558	P	G A	18	-15.568	3.631	85.589	1.00	0.00	P

ATOM	559	H1	G A	18	-19.547	-5.162	84.771	1.00	0.00	H
ATOM	560	H8	G A	18	-17.054	0.788	84.527	1.00	0.00	H
ATOM	561	H1'	G A	18	-14.491	-2.152	84.701	1.00	0.00	H
ATOM	562	H21	G A	18	-17.953	-6.643	85.042	1.00	0.00	H
ATOM	563	H3'	G A	18	-12.888	1.441	84.667	1.00	0.00	H
ATOM	564	H22	G A	18	-16.231	-6.187	85.174	1.00	0.00	H
ATOM	565	H4'	G A	18	-12.933	0.203	87.008	1.00	0.00	H
ATOM	566	H2'1	G A	18	-14.987	0.692	83.774	1.00	0.00	H
ATOM	567	H2'2	G A	18	-13.901	-0.511	83.093	1.00	0.00	H
ATOM	568	H5'1	G A	18	-15.270	1.190	87.551	1.00	0.00	H
ATOM	569	H5'2	G A	18	-13.911	2.269	87.175	1.00	0.00	H
ATOM	570	C1'	T A	19	-13.769	-5.128	82.166	1.00	0.00	C
ATOM	571	N1	T A	19	-15.022	-4.374	81.898	1.00	0.00	N
ATOM	572	C2	T A	19	-16.192	-5.100	81.827	1.00	0.00	C
ATOM	573	O2	T A	19	-16.229	-6.310	81.974	1.00	0.00	O
ATOM	574	N3	T A	19	-17.332	-4.359	81.578	1.00	0.00	N
ATOM	575	C4	T A	19	-17.402	-2.995	81.395	1.00	0.00	C
ATOM	576	O4	T A	19	-18.485	-2.440	81.173	1.00	0.00	O
ATOM	577	C5	T A	19	-16.129	-2.320	81.485	1.00	0.00	C
ATOM	578	C6	T A	19	-14.996	-3.011	81.728	1.00	0.00	C
ATOM	579	C7	T A	19	-16.156	-0.833	81.294	1.00	0.00	C
ATOM	580	C2'	T A	19	-12.560	-4.604	81.400	1.00	0.00	C
ATOM	581	C3'	T A	19	-11.434	-4.816	82.399	1.00	0.00	C
ATOM	582	O3'	T A	19	-10.959	-6.155	82.295	1.00	0.00	O
ATOM	583	C4'	T A	19	-12.117	-4.549	83.738	1.00	0.00	C
ATOM	584	O4'	T A	19	-13.487	-5.022	83.547	1.00	0.00	O
ATOM	585	C5'	T A	19	-12.161	-3.108	84.195	1.00	0.00	C
ATOM	586	O5'	T A	19	-12.353	-2.239	83.052	1.00	0.00	O
ATOM	587	O1P	T A	19	-10.198	-0.944	82.937	1.00	0.00	O
ATOM	588	O2P	T A	19	-12.316	0.062	82.042	1.00	0.00	O
ATOM	589	P	T A	19	-11.664	-0.800	83.056	1.00	0.00	P
ATOM	590	H3	T A	19	-18.220	-4.879	81.525	1.00	0.00	H
ATOM	591	H6	T A	19	-14.047	-2.480	81.793	1.00	0.00	H
ATOM	592	H1'	T A	19	-13.949	-6.180	81.938	1.00	0.00	H
ATOM	593	H3'	T A	19	-10.608	-4.124	82.234	1.00	0.00	H
ATOM	594	H4'	T A	19	-11.570	-5.118	84.491	1.00	0.00	H
ATOM	595	H71	T A	19	-15.617	-0.573	80.384	1.00	0.00	H
ATOM	596	H72	T A	19	-17.191	-0.497	81.211	1.00	0.00	H
ATOM	597	H73	T A	19	-15.684	-0.346	82.148	1.00	0.00	H
ATOM	598	H2'1	T A	19	-12.665	-3.553	81.134	1.00	0.00	H
ATOM	599	H2'2	T A	19	-12.382	-5.158	80.477	1.00	0.00	H
ATOM	600	H5'1	T A	19	-12.985	-2.980	84.897	1.00	0.00	H
ATOM	601	H5'2	T A	19	-11.226	-2.861	84.692	1.00	0.00	H
ATOM	602	C01	LNK A	20	-8.538	-7.694	79.921	0.00	0.00	C
ATOM	603	O1	LNK A	20	-9.304	-6.582	80.391	1.00	0.00	O
ATOM	604	S	LNK A	20	-6.076	-8.595	76.926	0.00	0.00	S
ATOM	605	C02	LNK A	20	-7.779	-7.289	78.643	0.00	0.00	C
ATOM	606	C03	LNK A	20	-7.732	-8.485	77.673	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-11.629	-5.846	79.763	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-11.215	-8.210	80.498	1.00	0.00	O
ATOM	609	P	LNK A	20	-10.870	-6.772	80.626	1.00	0.00	P
ATOM	610	H01	LNK A	20	-9.204	-8.528	79.699	0.00	0.00	H
ATOM	611	H02	LNK A	20	-7.823	-7.993	80.688	0.00	0.00	H
ATOM	612	H03	LNK A	20	-8.476	-8.346	76.888	0.00	0.00	H

ATOM	613	H04	LNK	A	20	-6.763	-6.990	78.902	0.00	0.00	H	
ATOM	614	H05	LNK	A	20	-8.292	-6.454	78.165	0.00	0.00	H	
ATOM	615	H06	LNK	A	20	-7.946	-9.404	78.219	0.00	0.00	H	
ATOM	616	AU	LNK	A	20	-6.082	-9.060	76.422				
TER												
ATOM	618	C1'		A	B	2	-23.925	-8.994	81.267	1.00	0.00	C
ATOM	619	N1		A	B	2	-19.886	-5.831	81.417	1.00	0.00	N
ATOM	620	C2		A	B	2	-20.003	-7.146	81.573	1.00	0.00	C
ATOM	621	N3		A	B	2	-21.078	-7.901	81.518	1.00	0.00	N
ATOM	622	C4		A	B	2	-22.165	-7.148	81.271	1.00	0.00	C
ATOM	623	C5		A	B	2	-22.214	-5.795	81.086	1.00	0.00	C
ATOM	624	C6		A	B	2	-20.986	-5.105	81.168	1.00	0.00	C
ATOM	625	N6		A	B	2	-20.878	-3.775	81.009	1.00	0.00	N
ATOM	626	N7		A	B	2	-23.509	-5.368	80.849	1.00	0.00	N
ATOM	627	C8		A	B	2	-24.210	-6.462	80.900	1.00	0.00	C
ATOM	628	N9		A	B	2	-23.462	-7.583	81.148	1.00	0.00	N
ATOM	629	C2'		A	B	2	-25.271	-9.140	81.964	1.00	0.00	C
ATOM	630	C3'		A	B	2	-25.893	-10.303	81.210	1.00	0.00	C
ATOM	631	O3'		A	B	2	-25.431	-11.527	81.776	1.00	0.00	O
ATOM	632	C4'		A	B	2	-25.383	-10.096	79.784	1.00	0.00	C
ATOM	633	O4'		A	B	2	-24.050	-9.516	79.959	1.00	0.00	O
ATOM	634	C5'		A	B	2	-26.200	-9.179	78.905	1.00	0.00	C
ATOM	635	O5'		A	B	2	-26.727	-8.083	79.696	1.00	0.00	O
ATOM	636	H2		A	B	2	-19.073	-7.675	81.775	1.00	0.00	H
ATOM	637	H8		A	B	2	-25.292	-6.486	80.757	1.00	0.00	H
ATOM	638	H1'		A	B	2	-23.153	-9.563	81.785	1.00	0.00	H
ATOM	639	H3'		A	B	2	-26.981	-10.279	81.245	1.00	0.00	H
ATOM	640	H4'		A	B	2	-25.360	-11.078	79.312	1.00	0.00	H
ATOM	641	H61		A	B	2	-19.957	-3.321	81.075	1.00	0.00	H
ATOM	642	H62		A	B	2	-21.720	-3.211	80.819	1.00	0.00	H
ATOM	643	H2'1		A	B	2	-25.882	-8.241	81.879	1.00	0.00	H
ATOM	644	H2'2		A	B	2	-25.165	-9.366	83.025	1.00	0.00	H
ATOM	645	H5'1		A	B	2	-25.565	-8.786	78.111	1.00	0.00	H
ATOM	646	H5'2		A	B	2	-27.019	-9.743	78.464	1.00	0.00	H
ATOM	647	C1'		C	B	3	-20.939	-10.203	85.046	1.00	0.00	C
ATOM	648	N1		C	B	3	-21.413	-8.803	84.877	1.00	0.00	N
ATOM	649	C2		C	B	3	-20.462	-7.785	84.891	1.00	0.00	C
ATOM	650	O2		C	B	3	-19.269	-8.085	85.040	1.00	0.00	O
ATOM	651	N3		C	B	3	-20.872	-6.503	84.739	1.00	0.00	N
ATOM	652	C4		C	B	3	-22.170	-6.209	84.580	1.00	0.00	C
ATOM	653	N4		C	B	3	-22.516	-4.938	84.432	1.00	0.00	N
ATOM	654	C5		C	B	3	-23.173	-7.234	84.566	1.00	0.00	C
ATOM	655	C6		C	B	3	-22.735	-8.521	84.716	1.00	0.00	C
ATOM	656	C2'		C	B	3	-21.869	-11.070	85.882	1.00	0.00	C
ATOM	657	C3'		C	B	3	-21.745	-12.422	85.198	1.00	0.00	C
ATOM	658	O3'		C	B	3	-20.600	-13.101	85.710	1.00	0.00	O
ATOM	659	C4'		C	B	3	-21.581	-12.045	83.726	1.00	0.00	C
ATOM	660	O4'		C	B	3	-20.842	-10.781	83.758	1.00	0.00	O
ATOM	661	C5'		C	B	3	-22.855	-11.841	82.941	1.00	0.00	C
ATOM	662	O5'		C	B	3	-23.857	-11.219	83.785	1.00	0.00	O
ATOM	663	O1P		C	B	3	-25.623	-13.001	83.998	1.00	0.00	O
ATOM	664	O2P		C	B	3	-26.251	-10.579	84.200	1.00	0.00	O
ATOM	665	P		C	B	3	-25.387	-11.607	83.569	1.00	0.00	P
ATOM	666	H5		C	B	3	-24.231	-7.001	84.444	1.00	0.00	H

ATOM	667	H6	C B	3	-23.459	-9.335	84.705	1.00	0.00	H
ATOM	668	H1'	C B	3	-19.938	-10.176	85.477	1.00	0.00	H
ATOM	669	H3'	C B	3	-22.629	-13.040	85.349	1.00	0.00	H
ATOM	670	H4'	C B	3	-21.024	-12.852	83.252	1.00	0.00	H
ATOM	671	H41	C B	3	-23.506	-4.686	84.304	1.00	0.00	H
ATOM	672	H42	C B	3	-21.794	-4.202	84.444	1.00	0.00	H
ATOM	673	H2'1	C B	3	-22.898	-10.711	85.864	1.00	0.00	H
ATOM	674	H2'2	C B	3	-21.559	-11.123	86.925	1.00	0.00	H
ATOM	675	H5'1	C B	3	-22.647	-11.199	82.083	1.00	0.00	H
ATOM	676	H5'2	C B	3	-23.215	-12.804	82.588	1.00	0.00	H
ATOM	677	C1'	C B	4	-17.527	-9.254	88.507	1.00	0.00	C
ATOM	678	N1	C B	4	-18.739	-8.400	88.384	1.00	0.00	N
ATOM	679	C2	C B	4	-18.558	-7.019	88.300	1.00	0.00	C
ATOM	680	O2	C B	4	-17.408	-6.564	88.329	1.00	0.00	O
ATOM	681	N3	C B	4	-19.647	-6.223	88.187	1.00	0.00	N
ATOM	682	C4	C B	4	-20.883	-6.744	88.159	1.00	0.00	C
ATOM	683	N4	C B	4	-21.913	-5.921	88.044	1.00	0.00	N
ATOM	684	C5	C B	4	-21.099	-8.159	88.249	1.00	0.00	C
ATOM	685	C6	C B	4	-19.985	-8.944	88.357	1.00	0.00	C
ATOM	686	C2'	C B	4	-17.709	-10.448	89.436	1.00	0.00	C
ATOM	687	C3'	C B	4	-16.875	-11.516	88.744	1.00	0.00	C
ATOM	688	O3'	C B	4	-15.514	-11.378	89.141	1.00	0.00	O
ATOM	689	C4'	C B	4	-17.081	-11.203	87.264	1.00	0.00	C
ATOM	690	O4'	C B	4	-17.215	-9.746	87.217	1.00	0.00	O
ATOM	691	C5'	C B	4	-18.296	-11.819	86.609	1.00	0.00	C
ATOM	692	O5'	C B	4	-19.401	-11.844	87.547	1.00	0.00	O
ATOM	693	O1P	C B	4	-19.776	-14.301	87.942	1.00	0.00	O
ATOM	694	O2P	C B	4	-21.676	-12.683	88.202	1.00	0.00	O
ATOM	695	P	C B	4	-20.431	-13.058	87.489	1.00	0.00	P
ATOM	696	H5	C B	4	-22.101	-8.589	88.233	1.00	0.00	H
ATOM	697	H6	C B	4	-20.098	-10.025	88.421	1.00	0.00	H
ATOM	698	H1'	C B	4	-16.698	-8.627	88.836	1.00	0.00	H
ATOM	699	H3'	C B	4	-17.221	-12.521	88.985	1.00	0.00	H
ATOM	700	H4'	C B	4	-16.199	-11.567	86.736	1.00	0.00	H
ATOM	701	H41	C B	4	-22.873	-6.295	88.017	1.00	0.00	H
ATOM	702	H42	C B	4	-21.756	-4.902	87.982	1.00	0.00	H
ATOM	703	H2'1	C B	4	-18.751	-10.751	89.519	1.00	0.00	H
ATOM	704	H2'2	C B	4	-17.343	-10.248	90.442	1.00	0.00	H
ATOM	705	H5'1	C B	4	-18.569	-11.230	85.734	1.00	0.00	H
ATOM	706	H5'2	C B	4	-18.056	-12.835	86.297	1.00	0.00	H
ATOM	707	C1'	G B	5	-15.038	-6.300	91.605	1.00	0.00	C
ATOM	708	N1	G B	5	-19.250	-3.433	91.352	1.00	0.00	N
ATOM	709	C2	G B	5	-17.917	-3.057	91.327	1.00	0.00	C
ATOM	710	N2	G B	5	-17.677	-1.746	91.222	1.00	0.00	N
ATOM	711	N3	G B	5	-16.908	-3.925	91.399	1.00	0.00	N
ATOM	712	C4	G B	5	-17.337	-5.209	91.509	1.00	0.00	C
ATOM	713	C5	G B	5	-18.642	-5.674	91.546	1.00	0.00	C
ATOM	714	C6	G B	5	-19.714	-4.758	91.465	1.00	0.00	C
ATOM	715	O6	G B	5	-20.924	-4.976	91.483	1.00	0.00	O
ATOM	716	N7	G B	5	-18.653	-7.066	91.667	1.00	0.00	N
ATOM	717	C8	G B	5	-17.387	-7.393	91.694	1.00	0.00	C
ATOM	718	N9	G B	5	-16.525	-6.318	91.605	1.00	0.00	N
ATOM	719	C2'	G B	5	-14.412	-7.320	92.546	1.00	0.00	C
ATOM	720	C3'	G B	5	-13.171	-7.742	91.776	1.00	0.00	C

ATOM	721	O3'	G B	5	-12.120	-6.815	92.035	1.00	0.00	O
ATOM	722	C4'	G B	5	-13.640	-7.694	90.322	1.00	0.00	C
ATOM	723	O4'	G B	5	-14.602	-6.592	90.292	1.00	0.00	O
ATOM	724	C5'	G B	5	-14.311	-8.937	89.791	1.00	0.00	C
ATOM	725	O5'	G B	5	-15.113	-9.545	90.834	1.00	0.00	O
ATOM	726	O1P	G B	5	-13.950	-11.736	91.264	1.00	0.00	O
ATOM	727	O2P	G B	5	-16.408	-11.512	91.711	1.00	0.00	O
ATOM	728	P	G B	5	-15.241	-11.135	90.878	1.00	0.00	P
ATOM	729	H1	G B	5	-19.956	-2.684	91.283	1.00	0.00	H
ATOM	730	H8	G B	5	-17.041	-8.422	91.784	1.00	0.00	H
ATOM	731	H1'	G B	5	-14.709	-5.290	91.849	1.00	0.00	H
ATOM	732	H21	G B	5	-18.462	-1.081	91.163	1.00	0.00	H
ATOM	733	H3'	G B	5	-12.842	-8.746	92.048	1.00	0.00	H
ATOM	734	H22	G B	5	-16.706	-1.401	91.201	1.00	0.00	H
ATOM	735	H4'	G B	5	-12.758	-7.505	89.710	1.00	0.00	H
ATOM	736	H2'1	G B	5	-15.070	-8.169	92.734	1.00	0.00	H
ATOM	737	H2'2	G B	5	-14.151	-6.888	93.512	1.00	0.00	H
ATOM	738	H5'1	G B	5	-14.947	-8.668	88.947	1.00	0.00	H
ATOM	739	H5'2	G B	5	-13.549	-9.641	89.456	1.00	0.00	H
ATOM	740	C1'	T B	6	-14.466	-2.275	94.431	1.00	0.00	C
ATOM	741	N1	T B	6	-15.676	-3.127	94.577	1.00	0.00	N
ATOM	742	C2	T B	6	-16.902	-2.493	94.533	1.00	0.00	C
ATOM	743	O2	T B	6	-17.018	-1.290	94.383	1.00	0.00	O
ATOM	744	N3	T B	6	-18.000	-3.324	94.673	1.00	0.00	N
ATOM	745	C4	T B	6	-17.979	-4.691	94.851	1.00	0.00	C
ATOM	746	O4	T B	6	-19.031	-5.329	94.968	1.00	0.00	O
ATOM	747	C5	T B	6	-16.653	-5.262	94.883	1.00	0.00	C
ATOM	748	C6	T B	6	-15.562	-4.484	94.749	1.00	0.00	C
ATOM	749	C7	T B	6	-16.584	-6.749	95.073	1.00	0.00	C
ATOM	750	C2'	T B	6	-13.300	-2.709	95.310	1.00	0.00	C
ATOM	751	C3'	T B	6	-12.103	-2.405	94.422	1.00	0.00	C
ATOM	752	O3'	T B	6	-11.745	-1.033	94.572	1.00	0.00	O
ATOM	753	C4'	T B	6	-12.629	-2.716	93.023	1.00	0.00	C
ATOM	754	O4'	T B	6	-14.045	-2.351	93.082	1.00	0.00	O
ATOM	755	C5'	T B	6	-12.519	-4.152	92.566	1.00	0.00	C
ATOM	756	O5'	T B	6	-12.752	-5.041	93.688	1.00	0.00	O
ATOM	757	O1P	T B	6	-10.523	-6.165	94.011	1.00	0.00	O
ATOM	758	O2P	T B	6	-12.632	-7.338	94.699	1.00	0.00	O
ATOM	759	P	T B	6	-11.953	-6.420	93.752	1.00	0.00	P
ATOM	760	H3	T B	6	-18.926	-2.875	94.640	1.00	0.00	H
ATOM	761	H6	T B	6	-14.571	-4.940	94.778	1.00	0.00	H
ATOM	762	H1'	T B	6	-14.747	-1.243	94.636	1.00	0.00	H
ATOM	763	H3'	T B	6	-11.245	-3.030	94.666	1.00	0.00	H
ATOM	764	H4'	T B	6	-12.060	-2.100	92.326	1.00	0.00	H
ATOM	765	H71	T B	6	-16.116	-6.972	96.030	1.00	0.00	H
ATOM	766	H72	T B	6	-17.591	-7.165	95.055	1.00	0.00	H
ATOM	767	H73	T B	6	-15.995	-7.191	94.268	1.00	0.00	H
ATOM	768	H2'1	T B	6	-13.346	-3.765	95.565	1.00	0.00	H
ATOM	769	H2'2	T B	6	-13.254	-2.147	96.243	1.00	0.00	H
ATOM	770	H5'1	T B	6	-13.259	-4.338	91.789	1.00	0.00	H
ATOM	771	H5'2	T B	6	-11.523	-4.323	92.161	1.00	0.00	H
ATOM	772	C1'	C B	7	-16.161	1.499	97.177	1.00	0.00	C
ATOM	773	N1	C B	7	-16.612	0.105	97.446	1.00	0.00	N
ATOM	774	C2	C B	7	-17.983	-0.131	97.531	1.00	0.00	C

ATOM	775	O2	C B	7	-18.764	0.818	97.379	1.00	0.00	O
ATOM	776	N3	C B	7	-18.415	-1.394	97.776	1.00	0.00	N
ATOM	777	C4	C B	7	-17.545	-2.399	97.936	1.00	0.00	C
ATOM	778	N4	C B	7	-18.023	-3.611	98.171	1.00	0.00	N
ATOM	779	C5	C B	7	-16.129	-2.185	97.860	1.00	0.00	C
ATOM	780	C6	C B	7	-15.719	-0.905	97.607	1.00	0.00	C
ATOM	781	C2'	C B	7	-14.901	1.893	97.933	1.00	0.00	C
ATOM	782	C3'	C B	7	-14.196	2.790	96.928	1.00	0.00	C
ATOM	783	O3'	C B	7	-14.713	4.113	97.039	1.00	0.00	O
ATOM	784	C4'	C B	7	-14.545	2.143	95.591	1.00	0.00	C
ATOM	785	O4'	C B	7	-15.889	1.603	95.792	1.00	0.00	O
ATOM	786	C5'	C B	7	-13.640	1.023	95.128	1.00	0.00	C
ATOM	787	O5'	C B	7	-13.207	0.241	96.269	1.00	0.00	O
ATOM	788	O1P	C B	7	-10.729	0.672	96.366	1.00	0.00	O
ATOM	789	O2P	C B	7	-11.665	-1.473	97.267	1.00	0.00	O
ATOM	790	P	C B	7	-11.743	-0.394	96.255	1.00	0.00	P
ATOM	791	H5	C B	7	-15.419	-2.999	97.996	1.00	0.00	H
ATOM	792	H6	C B	7	-14.651	-0.694	97.532	1.00	0.00	H
ATOM	793	H1'	C B	7	-16.985	2.174	97.409	1.00	0.00	H
ATOM	794	H3'	C B	7	-13.116	2.810	97.086	1.00	0.00	H
ATOM	795	H4'	C B	7	-14.509	2.929	94.838	1.00	0.00	H
ATOM	796	H41	C B	7	-17.375	-4.404	98.295	1.00	0.00	H
ATOM	797	H42	C B	7	-19.041	-3.764	98.228	1.00	0.00	H
ATOM	798	H2'1	C B	7	-14.289	1.031	98.195	1.00	0.00	H
ATOM	799	H2'2	C B	7	-15.124	2.428	98.857	1.00	0.00	H
ATOM	800	H5'1	C B	7	-14.184	0.387	94.430	1.00	0.00	H
ATOM	801	H5'2	C B	7	-12.773	1.451	94.626	1.00	0.00	H
ATOM	802	C1'	C B	8	-19.484	3.761	100.069	1.00	0.00	C
ATOM	803	N1	C B	8	-19.017	2.384	100.386	1.00	0.00	N
ATOM	804	C2	C B	8	-19.982	1.403	100.610	1.00	0.00	C
ATOM	805	O2	C B	8	-21.178	1.715	100.534	1.00	0.00	O
ATOM	806	N3	C B	8	-19.579	0.143	100.899	1.00	0.00	N
ATOM	807	C4	C B	8	-18.277	-0.164	100.974	1.00	0.00	C
ATOM	808	N4	C B	8	-17.939	-1.414	101.258	1.00	0.00	N
ATOM	809	C5	C B	8	-17.261	0.825	100.754	1.00	0.00	C
ATOM	810	C6	C B	8	-17.692	2.087	100.458	1.00	0.00	C
ATOM	811	C2'	C B	8	-18.632	4.857	100.695	1.00	0.00	C
ATOM	812	C3'	C B	8	-18.663	5.934	99.621	1.00	0.00	C
ATOM	813	O3'	C B	8	-19.843	6.718	99.780	1.00	0.00	O
ATOM	814	C4'	C B	8	-18.677	5.123	98.328	1.00	0.00	C
ATOM	815	O4'	C B	8	-19.436	3.918	98.664	1.00	0.00	O
ATOM	816	C5'	C B	8	-17.332	4.711	97.779	1.00	0.00	C
ATOM	817	O5'	C B	8	-16.434	4.393	98.872	1.00	0.00	O
ATOM	818	O1P	C B	8	-14.671	6.183	98.717	1.00	0.00	O
ATOM	819	O2P	C B	8	-14.109	3.949	99.712	1.00	0.00	O
ATOM	820	P	C B	8	-14.883	4.721	98.711	1.00	0.00	P
ATOM	821	H5	C B	8	-16.202	0.584	100.821	1.00	0.00	H
ATOM	822	H6	C B	8	-16.958	2.872	100.276	1.00	0.00	H
ATOM	823	H1'	C B	8	-20.525	3.849	100.382	1.00	0.00	H
ATOM	824	H3'	C B	8	-17.789	6.583	99.670	1.00	0.00	H
ATOM	825	H4'	C B	8	-19.167	5.740	97.573	1.00	0.00	H
ATOM	826	H41	C B	8	-16.944	-1.677	101.318	1.00	0.00	H
ATOM	827	H42	C B	8	-18.670	-2.122	101.416	1.00	0.00	H
ATOM	828	H2'1	C B	8	-17.613	4.525	100.896	1.00	0.00	H

ATOM	829	H2'2	C B	8	-19.050	5.219	101.635	1.00	0.00	H
ATOM	830	H5'1	C B	8	-17.458	3.835	97.140	1.00	0.00	H
ATOM	831	H5'2	C B	8	-16.920	5.527	97.190	1.00	0.00	H
ATOM	832	C1'	T B	9	-23.255	3.878	103.272	1.00	0.00	C
ATOM	833	N1	T B	9	-22.066	3.029	103.548	1.00	0.00	N
ATOM	834	C2	T B	9	-22.296	1.706	103.863	1.00	0.00	C
ATOM	835	O2	T B	9	-23.415	1.227	103.921	1.00	0.00	O
ATOM	836	N3	T B	9	-21.164	0.953	104.110	1.00	0.00	N
ATOM	837	C4	T B	9	-19.859	1.395	104.075	1.00	0.00	C
ATOM	838	O4	T B	9	-18.921	0.626	104.320	1.00	0.00	O
ATOM	839	C5	T B	9	-19.718	2.793	103.736	1.00	0.00	C
ATOM	840	C6	T B	9	-20.800	3.556	103.487	1.00	0.00	C
ATOM	841	C7	T B	9	-18.314	3.316	103.683	1.00	0.00	C
ATOM	842	C2'	T B	9	-23.132	5.302	103.805	1.00	0.00	C
ATOM	843	C3'	T B	9	-23.856	6.104	102.736	1.00	0.00	C
ATOM	844	O3'	T B	9	-25.256	6.092	103.008	1.00	0.00	O
ATOM	845	C4'	T B	9	-23.508	5.352	101.452	1.00	0.00	C
ATOM	846	O4'	T B	9	-23.419	3.952	101.869	1.00	0.00	O
ATOM	847	C5'	T B	9	-22.215	5.740	100.775	1.00	0.00	C
ATOM	848	O5'	T B	9	-21.214	6.052	101.775	1.00	0.00	O
ATOM	849	O1P	T B	9	-20.802	8.511	101.439	1.00	0.00	O
ATOM	850	O2P	T B	9	-18.991	7.054	102.383	1.00	0.00	O
ATOM	851	P	T B	9	-20.142	7.190	101.459	1.00	0.00	P
ATOM	852	H3	T B	9	-21.309	-0.040	104.345	1.00	0.00	H
ATOM	853	H6	T B	9	-20.668	4.607	103.233	1.00	0.00	H
ATOM	854	H1'	T B	9	-24.134	3.381	103.685	1.00	0.00	H
ATOM	855	H3'	T B	9	-23.505	7.135	102.695	1.00	0.00	H
ATOM	856	H4'	T B	9	-24.323	5.536	100.748	1.00	0.00	H
ATOM	857	H71	T B	9	-18.170	4.053	104.474	1.00	0.00	H
ATOM	858	H72	T B	9	-17.612	2.492	103.820	1.00	0.00	H
ATOM	859	H73	T B	9	-18.137	3.785	102.714	1.00	0.00	H
ATOM	860	H2'1	T B	9	-22.095	5.615	103.904	1.00	0.00	H
ATOM	861	H2'2	T B	9	-23.606	5.419	104.779	1.00	0.00	H
ATOM	862	H5'1	T B	9	-21.872	4.911	100.156	1.00	0.00	H
ATOM	863	H5'2	T B	9	-22.390	6.610	100.145	1.00	0.00	H
ATOM	864	C1'	A B	10	-26.120	1.962	106.843	1.00	0.00	C
ATOM	865	N1	A B	10	-21.943	-0.815	107.927	1.00	0.00	N
ATOM	866	C2	A B	10	-23.236	-1.122	107.863	1.00	0.00	C
ATOM	867	N3	A B	10	-24.264	-0.355	107.574	1.00	0.00	N
ATOM	868	C4	A B	10	-23.853	0.901	107.328	1.00	0.00	C
ATOM	869	C5	A B	10	-22.572	1.379	107.352	1.00	0.00	C
ATOM	870	C6	A B	10	-21.563	0.447	107.676	1.00	0.00	C
ATOM	871	N6	A B	10	-20.260	0.773	107.738	1.00	0.00	N
ATOM	872	N7	A B	10	-22.534	2.727	107.044	1.00	0.00	N
ATOM	873	C8	A B	10	-23.783	3.035	106.844	1.00	0.00	C
ATOM	874	N9	A B	10	-24.641	1.977	106.997	1.00	0.00	N
ATOM	875	C2'	A B	10	-26.802	3.223	107.355	1.00	0.00	C
ATOM	876	C3'	A B	10	-27.945	3.391	106.365	1.00	0.00	C
ATOM	877	O3'	A B	10	-29.046	2.586	106.780	1.00	0.00	O
ATOM	878	C4'	A B	10	-27.333	2.897	105.053	1.00	0.00	C
ATOM	879	O4'	A B	10	-26.409	1.838	105.464	1.00	0.00	O
ATOM	880	C5'	A B	10	-26.569	3.919	104.245	1.00	0.00	C
ATOM	881	O5'	A B	10	-25.856	4.817	105.133	1.00	0.00	O
ATOM	882	O1P	A B	10	-26.984	7.033	104.747	1.00	0.00	O

ATOM	883	O2P	A B	10	-24.593	6.956	105.503	1.00	0.00	O
ATOM	884	P	A B	10	-25.681	6.343	104.703	1.00	0.00	P
ATOM	885	H2	A B	10	-23.476	-2.162	108.083	1.00	0.00	H
ATOM	886	H8	A B	10	-24.114	4.040	106.583	1.00	0.00	H
ATOM	887	H1'	A B	10	-26.506	1.076	107.348	1.00	0.00	H
ATOM	888	H3'	A B	10	-28.265	4.428	106.282	1.00	0.00	H
ATOM	889	H4'	A B	10	-28.155	2.532	104.440	1.00	0.00	H
ATOM	890	H61	A B	10	-19.563	0.053	107.976	1.00	0.00	H
ATOM	891	H62	A B	10	-19.960	1.738	107.548	1.00	0.00	H
ATOM	892	H2'1	A B	10	-26.139	4.087	107.344	1.00	0.00	H
ATOM	893	H2'2	A B	10	-27.176	3.107	108.374	1.00	0.00	H
ATOM	894	H5'1	A B	10	-25.861	3.404	103.596	1.00	0.00	H
ATOM	895	H5'2	A B	10	-27.269	4.485	103.632	1.00	0.00	H
ATOM	896	C1'	G B	11	-27.012	-1.043	110.694	1.00	0.00	C
ATOM	897	N1	G B	11	-21.959	-0.796	111.349	1.00	0.00	N
ATOM	898	C2	G B	11	-22.814	-1.880	111.434	1.00	0.00	C
ATOM	899	N2	G B	11	-22.247	-3.056	111.736	1.00	0.00	N
ATOM	900	N3	G B	11	-24.128	-1.800	111.233	1.00	0.00	N
ATOM	901	C4	G B	11	-24.529	-0.534	110.945	1.00	0.00	C
ATOM	902	C5	G B	11	-23.752	0.607	110.843	1.00	0.00	C
ATOM	903	C6	G B	11	-22.356	0.522	111.053	1.00	0.00	C
ATOM	904	O6	G B	11	-21.509	1.415	111.007	1.00	0.00	O
ATOM	905	N7	G B	11	-24.551	1.709	110.531	1.00	0.00	N
ATOM	906	C8	G B	11	-25.760	1.213	110.453	1.00	0.00	C
ATOM	907	N9	G B	11	-25.826	-0.145	110.694	1.00	0.00	N
ATOM	908	C2'	G B	11	-28.267	-0.404	111.273	1.00	0.00	C
ATOM	909	C3'	G B	11	-29.360	-1.006	110.404	1.00	0.00	C
ATOM	910	O3'	G B	11	-29.728	-2.278	110.931	1.00	0.00	O
ATOM	911	C4'	G B	11	-28.685	-1.120	109.038	1.00	0.00	C
ATOM	912	O4'	G B	11	-27.284	-1.399	109.352	1.00	0.00	O
ATOM	913	C5'	G B	11	-28.749	0.103	108.154	1.00	0.00	C
ATOM	914	O5'	G B	11	-28.643	1.299	108.964	1.00	0.00	O
ATOM	915	O1P	G B	11	-30.894	2.389	108.695	1.00	0.00	O
ATOM	916	O2P	G B	11	-28.875	3.790	109.201	1.00	0.00	O
ATOM	917	P	G B	11	-29.447	2.603	108.519	1.00	0.00	P
ATOM	918	H1	G B	11	-20.957	-0.967	111.516	1.00	0.00	H
ATOM	919	H8	G B	11	-26.635	1.817	110.220	1.00	0.00	H
ATOM	920	H1'	G B	11	-26.752	-1.953	111.235	1.00	0.00	H
ATOM	921	H21	G B	11	-21.229	-3.110	111.887	1.00	0.00	H
ATOM	922	H3'	G B	11	-30.242	-0.367	110.355	1.00	0.00	H
ATOM	923	H22	G B	11	-22.829	-3.902	111.818	1.00	0.00	H
ATOM	924	H4'	G B	11	-29.175	-1.938	108.511	1.00	0.00	H
ATOM	925	H2'1	G B	11	-28.251	0.683	111.193	1.00	0.00	H
ATOM	926	H2'2	G B	11	-28.411	-0.655	112.323	1.00	0.00	H
ATOM	927	H5'1	G B	11	-27.931	0.069	107.437	1.00	0.00	H
ATOM	928	H5'2	G B	11	-29.697	0.105	107.616	1.00	0.00	H
ATOM	929	C1'	G B	12	-25.699	-3.766	114.616	1.00	0.00	C
ATOM	930	N1	G B	12	-21.700	-0.603	114.759	1.00	0.00	N
ATOM	931	C2	G B	12	-21.755	-1.975	114.932	1.00	0.00	C
ATOM	932	N2	G B	12	-20.588	-2.585	115.178	1.00	0.00	N
ATOM	933	N3	G B	12	-22.882	-2.680	114.864	1.00	0.00	N
ATOM	934	C4	G B	12	-23.965	-1.901	114.616	1.00	0.00	C
ATOM	935	C5	G B	12	-24.008	-0.530	114.434	1.00	0.00	C
ATOM	936	C6	G B	12	-22.811	0.221	114.502	1.00	0.00	C

ATOM	937	O6	G B	12	-22.648	1.434	114.369	1.00	0.00	O
ATOM	938	N7	G B	12	-25.320	-0.113	114.202	1.00	0.00	N
ATOM	939	C8	G B	12	-26.016	-1.220	114.246	1.00	0.00	C
ATOM	940	N9	G B	12	-25.262	-2.349	114.494	1.00	0.00	N
ATOM	941	C2'	G B	12	-27.040	-3.937	115.317	1.00	0.00	C
ATOM	942	C3'	G B	12	-27.645	-5.112	114.564	1.00	0.00	C
ATOM	943	O3'	G B	12	-27.161	-6.328	115.129	1.00	0.00	O
ATOM	944	C4'	G B	12	-27.144	-4.896	113.139	1.00	0.00	C
ATOM	945	O4'	G B	12	-25.822	-4.294	113.309	1.00	0.00	O
ATOM	946	C5'	G B	12	-27.977	-3.992	112.263	1.00	0.00	C
ATOM	947	O5'	G B	12	-28.520	-2.907	113.055	1.00	0.00	O
ATOM	948	O1P	G B	12	-31.000	-3.339	113.012	1.00	0.00	O
ATOM	949	O2P	G B	12	-30.140	-1.001	113.309	1.00	0.00	O
ATOM	950	P	G B	12	-29.966	-2.338	112.689	1.00	0.00	P
ATOM	951	H1	G B	12	-20.774	-0.151	114.824	1.00	0.00	H
ATOM	952	H8	G B	12	-27.095	-1.250	114.100	1.00	0.00	H
ATOM	953	H1'	G B	12	-24.916	-4.322	115.131	1.00	0.00	H
ATOM	954	H21	G B	12	-19.719	-2.031	115.225	1.00	0.00	H
ATOM	955	H3'	G B	12	-28.735	-5.105	114.603	1.00	0.00	H
ATOM	956	H22	G B	12	-20.561	-3.604	115.318	1.00	0.00	H
ATOM	957	H4'	G B	12	-27.106	-5.877	112.664	1.00	0.00	H
ATOM	958	H2'1	G B	12	-27.667	-3.047	115.234	1.00	0.00	H
ATOM	959	H2'2	G B	12	-26.927	-4.160	116.378	1.00	0.00	H
ATOM	960	H5'1	G B	12	-27.352	-3.589	111.466	1.00	0.00	H
ATOM	961	H5'2	G B	12	-28.790	-4.570	111.823	1.00	0.00	H
ATOM	962	C1'	T B	13	-22.750	-5.006	118.392	1.00	0.00	C
ATOM	963	N1	T B	13	-23.203	-3.600	118.228	1.00	0.00	N
ATOM	964	C2	T B	13	-22.231	-2.618	118.246	1.00	0.00	C
ATOM	965	O2	T B	13	-21.048	-2.867	118.393	1.00	0.00	O
ATOM	966	N3	T B	13	-22.695	-1.326	118.088	1.00	0.00	N
ATOM	967	C4	T B	13	-24.009	-0.939	117.921	1.00	0.00	C
ATOM	968	O4	T B	13	-24.304	0.255	117.792	1.00	0.00	O
ATOM	969	C5	T B	13	-24.950	-2.033	117.913	1.00	0.00	C
ATOM	970	C6	T B	13	-24.534	-3.305	118.062	1.00	0.00	C
ATOM	971	C7	T B	13	-26.391	-1.659	117.729	1.00	0.00	C
ATOM	972	C2'	T B	13	-23.698	-5.863	119.224	1.00	0.00	C
ATOM	973	C3'	T B	13	-23.590	-7.214	118.536	1.00	0.00	C
ATOM	974	O3'	T B	13	-22.459	-7.912	119.052	1.00	0.00	O
ATOM	975	C4'	T B	13	-23.416	-6.835	117.067	1.00	0.00	C
ATOM	976	O4'	T B	13	-22.658	-5.584	117.105	1.00	0.00	O
ATOM	977	C5'	T B	13	-24.684	-6.609	116.277	1.00	0.00	C
ATOM	978	O5'	T B	13	-25.679	-5.977	117.120	1.00	0.00	O
ATOM	979	O1P	T B	13	-27.471	-7.731	117.324	1.00	0.00	O
ATOM	980	O2P	T B	13	-28.064	-5.302	117.530	1.00	0.00	O
ATOM	981	P	T B	13	-27.216	-6.340	116.898	1.00	0.00	P
ATOM	982	H3	T B	13	-21.989	-0.576	118.097	1.00	0.00	H
ATOM	983	H6	T B	13	-25.264	-4.114	118.054	1.00	0.00	H
ATOM	984	H1'	T B	13	-21.750	-4.997	118.828	1.00	0.00	H
ATOM	985	H3'	T B	13	-24.484	-7.819	118.684	1.00	0.00	H
ATOM	986	H4'	T B	13	-22.869	-7.652	116.594	1.00	0.00	H
ATOM	987	H71	T B	13	-26.948	-1.898	118.635	1.00	0.00	H
ATOM	988	H72	T B	13	-26.467	-0.588	117.529	1.00	0.00	H
ATOM	989	H73	T B	13	-26.809	-2.214	116.888	1.00	0.00	H
ATOM	990	H2'1	T B	13	-24.719	-5.487	119.203	1.00	0.00	H

ATOM	991	H2'2	T B	13	-23.392	-5.923	120.269	1.00	0.00	H
ATOM	992	H5'1	T B	13	-24.462	-5.972	115.422	1.00	0.00	H
ATOM	993	H5'2	T B	13	-25.059	-7.569	115.922	1.00	0.00	H
ATOM	994	C1'	G B	14	-19.325	-4.037	121.854	1.00	0.00	C
ATOM	995	N1	G B	14	-21.052	0.745	121.436	1.00	0.00	N
ATOM	996	C2	G B	14	-19.754	0.275	121.540	1.00	0.00	C
ATOM	997	N2	G B	14	-18.789	1.201	121.534	1.00	0.00	N
ATOM	998	N3	G B	14	-19.446	-1.017	121.642	1.00	0.00	N
ATOM	999	C4	G B	14	-20.548	-1.813	121.637	1.00	0.00	C
ATOM	1000	C5	G B	14	-21.875	-1.434	121.542	1.00	0.00	C
ATOM	1001	C6	G B	14	-22.205	-0.063	121.431	1.00	0.00	C
ATOM	1002	O6	G B	14	-23.314	0.463	121.337	1.00	0.00	O
ATOM	1003	N7	G B	14	-22.703	-2.559	121.577	1.00	0.00	N
ATOM	1004	C8	G B	14	-21.868	-3.561	121.687	1.00	0.00	C
ATOM	1005	N9	G B	14	-20.540	-3.187	121.733	1.00	0.00	N
ATOM	1006	C2'	G B	14	-19.503	-5.235	122.777	1.00	0.00	C
ATOM	1007	C3'	G B	14	-18.665	-6.298	122.086	1.00	0.00	C
ATOM	1008	O3'	G B	14	-17.305	-6.153	122.486	1.00	0.00	O
ATOM	1009	C4'	G B	14	-18.871	-5.981	120.606	1.00	0.00	C
ATOM	1010	O4'	G B	14	-19.010	-4.526	120.564	1.00	0.00	O
ATOM	1011	C5'	G B	14	-20.080	-6.602	119.949	1.00	0.00	C
ATOM	1012	O5'	G B	14	-21.187	-6.632	120.884	1.00	0.00	O
ATOM	1013	O1P	G B	14	-21.554	-9.091	121.273	1.00	0.00	O
ATOM	1014	O2P	G B	14	-23.461	-7.482	121.534	1.00	0.00	O
ATOM	1015	P	G B	14	-22.214	-7.851	120.822	1.00	0.00	P
ATOM	1016	H1	G B	14	-21.184	1.765	121.355	1.00	0.00	H
ATOM	1017	H8	G B	14	-22.193	-4.601	121.741	1.00	0.00	H
ATOM	1018	H1'	G B	14	-18.498	-3.407	122.184	1.00	0.00	H
ATOM	1019	H21	G B	14	-19.036	2.200	121.452	1.00	0.00	H
ATOM	1020	H3'	G B	14	-19.008	-7.305	122.324	1.00	0.00	H
ATOM	1021	H22	G B	14	-17.802	0.919	121.613	1.00	0.00	H
ATOM	1022	H4'	G B	14	-17.985	-6.340	120.080	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-20.546	-5.542	122.860	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-19.140	-5.036	123.786	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-20.355	-6.013	119.074	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-19.836	-7.615	119.634	1.00	0.00	H
ATOM	1027	C1'	C B	15	-16.835	-1.082	124.952	1.00	0.00	C
ATOM	1028	N1	C B	15	-18.322	-1.096	124.949	1.00	0.00	N
ATOM	1029	C2	C B	15	-18.986	0.125	124.845	1.00	0.00	C
ATOM	1030	O2	C B	15	-18.316	1.162	124.757	1.00	0.00	O
ATOM	1031	N3	C B	15	-20.341	0.136	124.841	1.00	0.00	N
ATOM	1032	C4	C B	15	-21.038	-1.003	124.938	1.00	0.00	C
ATOM	1033	N4	C B	15	-22.361	-0.936	124.926	1.00	0.00	N
ATOM	1034	C5	C B	15	-20.383	-2.275	125.052	1.00	0.00	C
ATOM	1035	C6	C B	15	-19.018	-2.260	125.048	1.00	0.00	C
ATOM	1036	C2'	C B	15	-16.213	-2.102	125.895	1.00	0.00	C
ATOM	1037	C3'	C B	15	-14.973	-2.533	125.127	1.00	0.00	C
ATOM	1038	O3'	C B	15	-13.918	-1.608	125.383	1.00	0.00	O
ATOM	1039	C4'	C B	15	-15.441	-2.485	123.674	1.00	0.00	C
ATOM	1040	O4'	C B	15	-16.400	-1.381	123.638	1.00	0.00	O
ATOM	1041	C5'	C B	15	-16.119	-3.730	123.146	1.00	0.00	C
ATOM	1042	O5'	C B	15	-16.922	-4.331	124.192	1.00	0.00	O
ATOM	1043	O1P	C B	15	-15.767	-6.524	124.628	1.00	0.00	O
ATOM	1044	O2P	C B	15	-18.224	-6.292	125.074	1.00	0.00	O

ATOM	1045	P	C B	15	-17.056	-5.919	124.240	1.00	0.00	P
ATOM	1046	H5	C B	15	-20.946	-3.203	125.138	1.00	0.00	H
ATOM	1047	H6	C B	15	-18.474	-3.202	125.127	1.00	0.00	H
ATOM	1048	H1'	C B	15	-16.502	-0.072	125.194	1.00	0.00	H
ATOM	1049	H3'	C B	15	-14.648	-3.536	125.404	1.00	0.00	H
ATOM	1050	H4'	C B	15	-14.558	-2.304	123.062	1.00	0.00	H
ATOM	1051	H41	C B	15	-22.922	-1.797	124.996	1.00	0.00	H
ATOM	1052	H42	C B	15	-22.830	-0.020	124.846	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-16.875	-2.947	126.086	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-15.951	-1.668	126.860	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-16.752	-3.461	122.302	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-15.358	-4.437	122.814	1.00	0.00	H
ATOM	1057	C1'	G B	16	-16.288	2.947	127.777	1.00	0.00	C
ATOM	1058	N1	G B	16	-21.384	2.828	127.943	1.00	0.00	N
ATOM	1059	C2	G B	16	-20.526	3.900	127.783	1.00	0.00	C
ATOM	1060	N2	G B	16	-21.103	5.103	127.651	1.00	0.00	N
ATOM	1061	N3	G B	16	-19.199	3.785	127.756	1.00	0.00	N
ATOM	1062	C4	G B	16	-18.791	2.498	127.909	1.00	0.00	C
ATOM	1063	C5	G B	16	-19.572	1.368	128.080	1.00	0.00	C
ATOM	1064	C6	G B	16	-20.980	1.490	128.105	1.00	0.00	C
ATOM	1065	O6	G B	16	-21.834	0.611	128.245	1.00	0.00	O
ATOM	1066	N7	G B	16	-18.764	0.236	128.204	1.00	0.00	N
ATOM	1067	C8	G B	16	-17.545	0.705	128.105	1.00	0.00	C
ATOM	1068	N9	G B	16	-17.481	2.072	127.926	1.00	0.00	N
ATOM	1069	C2'	G B	16	-15.111	2.535	128.652	1.00	0.00	C
ATOM	1070	C3'	G B	16	-13.923	2.862	127.761	1.00	0.00	C
ATOM	1071	O3'	G B	16	-13.591	4.241	127.911	1.00	0.00	O
ATOM	1072	C4'	G B	16	-14.448	2.544	126.363	1.00	0.00	C
ATOM	1073	O4'	G B	16	-15.871	2.883	126.427	1.00	0.00	O
ATOM	1074	C5'	G B	16	-14.313	1.111	125.905	1.00	0.00	C
ATOM	1075	O5'	G B	16	-14.524	0.217	127.025	1.00	0.00	O
ATOM	1076	O1P	G B	16	-12.274	-0.866	127.339	1.00	0.00	O
ATOM	1077	O2P	G B	16	-14.357	-2.080	128.032	1.00	0.00	O
ATOM	1078	P	G B	16	-13.699	-1.148	127.084	1.00	0.00	P
ATOM	1079	H1	G B	16	-22.397	3.025	127.944	1.00	0.00	H
ATOM	1080	H8	G B	16	-16.661	0.072	128.160	1.00	0.00	H
ATOM	1081	H1'	G B	16	-16.589	3.975	127.985	1.00	0.00	H
ATOM	1082	H21	G B	16	-22.130	5.184	127.671	1.00	0.00	H
ATOM	1083	H3'	G B	16	-13.051	2.253	128.003	1.00	0.00	H
ATOM	1084	H22	G B	16	-20.518	5.942	127.532	1.00	0.00	H
ATOM	1085	H4'	G B	16	-13.892	3.171	125.665	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-15.137	1.475	128.906	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-15.074	3.096	129.585	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-15.051	0.912	125.129	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-13.313	0.961	125.495	1.00	0.00	H
ATOM	1090	C1'	G B	17	-17.959	6.714	130.524	1.00	0.00	C
ATOM	1091	N1	G B	17	-22.002	3.678	131.202	1.00	0.00	N
ATOM	1092	C2	G B	17	-21.944	5.039	130.955	1.00	0.00	C
ATOM	1093	N2	G B	17	-23.120	5.674	130.879	1.00	0.00	N
ATOM	1094	N3	G B	17	-20.806	5.709	130.794	1.00	0.00	N
ATOM	1095	C4	G B	17	-19.714	4.908	130.910	1.00	0.00	C
ATOM	1096	C5	G B	17	-19.676	3.548	131.159	1.00	0.00	C
ATOM	1097	C6	G B	17	-20.883	2.834	131.327	1.00	0.00	C
ATOM	1098	O6	G B	17	-21.052	1.635	131.553	1.00	0.00	O

ATOM	1099	N7	G B	17	-18.352	3.101	131.204	1.00	0.00	N
ATOM	1100	C8	G B	17	-17.648	4.181	130.982	1.00	0.00	C
ATOM	1101	N9	G B	17	-18.404	5.319	130.795	1.00	0.00	N
ATOM	1102	C2'	G B	17	-16.696	7.112	131.276	1.00	0.00	C
ATOM	1103	C3'	G B	17	-15.997	8.011	130.269	1.00	0.00	C
ATOM	1104	O3'	G B	17	-16.518	9.333	130.383	1.00	0.00	O
ATOM	1105	C4'	G B	17	-16.350	7.364	128.932	1.00	0.00	C
ATOM	1106	O4'	G B	17	-17.692	6.820	129.138	1.00	0.00	O
ATOM	1107	C5'	G B	17	-15.444	6.249	128.466	1.00	0.00	C
ATOM	1108	O5'	G B	17	-15.004	5.466	129.604	1.00	0.00	O
ATOM	1109	O1P	G B	17	-12.527	5.906	129.692	1.00	0.00	O
ATOM	1110	O2P	G B	17	-13.451	3.754	130.593	1.00	0.00	O
ATOM	1111	P	G B	17	-13.538	4.837	129.583	1.00	0.00	P
ATOM	1112	H1	G B	17	-22.937	3.253	131.305	1.00	0.00	H
ATOM	1113	H8	G B	17	-16.559	4.181	130.948	1.00	0.00	H
ATOM	1114	H1'	G B	17	-18.783	7.386	130.759	1.00	0.00	H
ATOM	1115	H21	G B	17	-23.998	5.149	131.001	1.00	0.00	H
ATOM	1116	H3'	G B	17	-14.918	8.034	130.423	1.00	0.00	H
ATOM	1117	H22	G B	17	-23.145	6.687	130.698	1.00	0.00	H
ATOM	1118	H4'	G B	17	-16.321	8.153	128.181	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-16.080	6.250	131.534	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-16.917	7.644	132.200	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-15.988	5.612	127.769	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-14.579	6.679	127.959	1.00	0.00	H
ATOM	1123	C1'	C B	18	-21.282	8.977	133.416	1.00	0.00	C
ATOM	1124	N1	C B	18	-20.816	7.599	133.732	1.00	0.00	N
ATOM	1125	C2	C B	18	-21.780	6.619	133.955	1.00	0.00	C
ATOM	1126	O2	C B	18	-22.976	6.930	133.880	1.00	0.00	O
ATOM	1127	N3	C B	18	-21.376	5.359	134.245	1.00	0.00	N
ATOM	1128	C4	C B	18	-20.074	5.054	134.319	1.00	0.00	C
ATOM	1129	N4	C B	18	-19.736	3.804	134.604	1.00	0.00	N
ATOM	1130	C5	C B	18	-19.061	6.042	134.098	1.00	0.00	C
ATOM	1131	C6	C B	18	-19.491	7.303	133.805	1.00	0.00	C
ATOM	1132	C2'	C B	18	-20.429	10.073	134.042	1.00	0.00	C
ATOM	1133	C3'	C B	18	-20.461	11.150	132.969	1.00	0.00	C
ATOM	1134	O3'	C B	18	-21.640	11.935	133.127	1.00	0.00	O
ATOM	1135	C4'	C B	18	-20.475	10.340	131.674	1.00	0.00	C
ATOM	1136	O4'	C B	18	-21.233	9.134	132.010	1.00	0.00	O
ATOM	1137	C5'	C B	18	-19.130	9.927	131.124	1.00	0.00	C
ATOM	1138	O5'	C B	18	-18.232	9.608	132.219	1.00	0.00	O
ATOM	1139	O1P	C B	18	-16.469	11.399	132.064	1.00	0.00	O
ATOM	1140	O2P	C B	18	-15.905	9.165	133.059	1.00	0.00	O
ATOM	1141	P	C B	18	-16.679	9.937	132.058	1.00	0.00	P
ATOM	1142	H5	C B	18	-18.001	5.799	134.161	1.00	0.00	H
ATOM	1143	H6	C B	18	-18.757	8.087	133.626	1.00	0.00	H
ATOM	1144	H1'	C B	18	-22.322	9.065	133.727	1.00	0.00	H
ATOM	1145	H3'	C B	18	-19.586	11.799	133.017	1.00	0.00	H
ATOM	1146	H4'	C B	18	-20.965	10.955	130.920	1.00	0.00	H
ATOM	1147	H41	C B	18	-18.740	3.543	134.666	1.00	0.00	H
ATOM	1148	H42	C B	18	-20.466	3.097	134.763	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-19.412	9.741	134.242	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-20.847	10.435	134.981	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-19.255	9.052	130.487	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-18.716	10.744	130.536	1.00	0.00	H

ATOM	1153	C1'	C B	19	-25.053	9.072	136.624	1.00	0.00	C
ATOM	1154	N1	C B	19	-23.849	8.240	136.895	1.00	0.00	N
ATOM	1155	C2	C B	19	-24.044	6.896	137.216	1.00	0.00	C
ATOM	1156	O2	C B	19	-25.198	6.453	137.260	1.00	0.00	O
ATOM	1157	N3	C B	19	-22.959	6.122	137.465	1.00	0.00	N
ATOM	1158	C4	C B	19	-21.722	6.633	137.410	1.00	0.00	C
ATOM	1159	N4	C B	19	-20.699	5.831	137.662	1.00	0.00	N
ATOM	1160	C5	C B	19	-21.496	8.008	137.085	1.00	0.00	C
ATOM	1161	C6	C B	19	-22.599	8.768	136.836	1.00	0.00	C
ATOM	1162	C2'	C B	19	-24.950	10.493	137.158	1.00	0.00	C
ATOM	1163	C3'	C B	19	-25.688	11.287	136.091	1.00	0.00	C
ATOM	1164	O3'	C B	19	-27.086	11.253	136.367	1.00	0.00	O
ATOM	1165	C4'	C B	19	-25.334	10.542	134.807	1.00	0.00	C
ATOM	1166	O4'	C B	19	-25.219	9.143	135.220	1.00	0.00	O
ATOM	1167	C5'	C B	19	-24.047	10.949	134.126	1.00	0.00	C
ATOM	1168	O5'	C B	19	-23.047	11.277	135.124	1.00	0.00	O
ATOM	1169	O1P	C B	19	-22.675	13.742	134.790	1.00	0.00	O
ATOM	1170	O2P	C B	19	-20.840	12.312	135.727	1.00	0.00	O
ATOM	1171	P	C B	19	-21.996	12.431	134.807	1.00	0.00	P
ATOM	1172	H5	C B	19	-20.491	8.428	137.039	1.00	0.00	H
ATOM	1173	H6	C B	19	-22.478	9.820	136.582	1.00	0.00	H
ATOM	1174	H1'	C B	19	-25.922	8.560	137.039	1.00	0.00	H
ATOM	1175	H3'	C B	19	-25.353	12.324	136.050	1.00	0.00	H
ATOM	1176	H4'	C B	19	-26.150	10.712	134.104	1.00	0.00	H
ATOM	1177	H41	C B	19	-19.736	6.196	137.624	1.00	0.00	H
ATOM	1178	H42	C B	19	-20.865	4.840	137.896	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-23.917	10.824	137.256	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-25.423	10.603	138.134	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-23.694	10.127	133.505	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-24.237	11.817	133.497	1.00	0.00	H
ATOM	1183	C1'	T B	20	-27.917	7.178	140.191	1.00	0.00	C
ATOM	1184	N1	T B	20	-26.439	7.192	140.347	1.00	0.00	N
ATOM	1185	C2	T B	20	-25.830	6.002	140.686	1.00	0.00	C
ATOM	1186	O2	T B	20	-26.451	4.967	140.856	1.00	0.00	O
ATOM	1187	N3	T B	20	-24.455	6.060	140.821	1.00	0.00	N
ATOM	1188	C4	T B	20	-23.660	7.172	140.651	1.00	0.00	C
ATOM	1189	O4	T B	20	-22.434	7.103	140.801	1.00	0.00	O
ATOM	1190	C5	T B	20	-24.385	8.368	140.298	1.00	0.00	C
ATOM	1191	C6	T B	20	-25.724	8.350	140.158	1.00	0.00	C
ATOM	1192	C7	T B	20	-23.557	9.604	140.103	1.00	0.00	C
ATOM	1193	C2'	T B	20	-28.601	8.439	140.704	1.00	0.00	C
ATOM	1194	C3'	T B	20	-29.740	8.610	139.712	1.00	0.00	C
ATOM	1195	O3'	T B	20	-30.844	7.808	140.122	1.00	0.00	O
ATOM	1196	C4'	T B	20	-29.126	8.121	138.402	1.00	0.00	C
ATOM	1197	O4'	T B	20	-28.205	7.059	138.810	1.00	0.00	O
ATOM	1198	C5'	T B	20	-28.358	9.144	137.597	1.00	0.00	C
ATOM	1199	O5'	T B	20	-27.648	10.039	138.490	1.00	0.00	O
ATOM	1200	O1P	T B	20	-28.772	12.256	138.108	1.00	0.00	O
ATOM	1201	O2P	T B	20	-26.382	12.175	138.868	1.00	0.00	O
ATOM	1202	P	T B	20	-27.469	11.564	138.066	1.00	0.00	P
ATOM	1203	H3	T B	20	-23.977	5.184	141.073	1.00	0.00	H
ATOM	1204	H6	T B	20	-26.250	9.265	139.889	1.00	0.00	H
ATOM	1205	H1'	T B	20	-28.306	6.291	140.691	1.00	0.00	H
ATOM	1206	H3'	T B	20	-30.060	9.648	139.633	1.00	0.00	H

ATOM	1207	H4'	T B	20	-29.947	7.758	137.783	1.00	0.00	H
ATOM	1208	H3T	T B	20	-31.134	7.944	141.028	1.00	0.00	H
ATOM	1209	H71	T B	20	-23.806	10.334	140.872	1.00	0.00	H
ATOM	1210	H72	T B	20	-22.499	9.349	140.170	1.00	0.00	H
ATOM	1211	H73	T B	20	-23.763	10.029	139.119	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-27.936	9.301	140.697	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-28.974	8.320	141.722	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-27.650	8.630	136.947	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-29.056	9.713	136.985	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	63.211	8.596	61.838	1.00	0.00	C
ATOM	2	N1	A A	1	63.716	5.003	58.209	1.00	0.00	N
ATOM	3	C2	A A	1	63.431	6.301	58.155	1.00	0.00	C
ATOM	4	N3	A A	1	63.319	7.174	59.134	1.00	0.00	N
ATOM	5	C4	A A	1	63.533	6.576	60.319	1.00	0.00	C
ATOM	6	C5	A A	1	63.832	5.261	60.545	1.00	0.00	C
ATOM	7	C6	A A	1	63.926	4.434	59.406	1.00	0.00	C
ATOM	8	N6	A A	1	64.213	3.123	59.473	1.00	0.00	N
ATOM	9	N7	A A	1	63.985	5.009	61.897	1.00	0.00	N
ATOM	10	C8	A A	1	63.775	6.165	62.454	1.00	0.00	C
ATOM	11	N9	A A	1	63.496	7.163	61.560	1.00	0.00	N
ATOM	12	C2'	A A	1	62.383	8.823	63.096	1.00	0.00	C
ATOM	13	C3'	A A	1	62.969	10.119	63.632	1.00	0.00	C
ATOM	14	O3'	A A	1	62.341	11.221	62.982	1.00	0.00	O
ATOM	15	C4'	A A	1	64.449	10.000	63.266	1.00	0.00	C
ATOM	16	O4'	A A	1	64.449	9.259	62.004	1.00	0.00	O
ATOM	17	C5'	A A	1	65.327	9.271	64.255	1.00	0.00	C
ATOM	18	O5'	A A	1	64.592	8.169	64.846	1.00	0.00	O
ATOM	19	H2	A A	1	63.269	6.701	57.154	1.00	0.00	H
ATOM	20	H8	A A	1	63.817	6.324	63.532	1.00	0.00	H
ATOM	21	H1'	A A	1	62.717	9.022	60.964	1.00	0.00	H
ATOM	22	H3'	A A	1	62.838	10.213	64.711	1.00	0.00	H
ATOM	23	H4'	A A	1	64.831	11.015	63.165	1.00	0.00	H
ATOM	24	H61	A A	1	64.270	2.564	58.612	1.00	0.00	H
ATOM	25	H62	A A	1	64.375	2.680	60.389	1.00	0.00	H
ATOM	26	H5T	A A	1	64.768	7.935	65.759	1.00	0.00	H
ATOM	27	H2'1	A A	1	62.492	8.012	63.815	1.00	0.00	H
ATOM	28	H2'2	A A	1	61.320	8.929	62.879	1.00	0.00	H
ATOM	29	H5'1	A A	1	66.208	8.891	63.738	1.00	0.00	H
ATOM	30	H5'2	A A	1	65.640	9.963	65.035	1.00	0.00	H
ATOM	31	C1'	G A	2	59.623	9.072	58.439	1.00	0.00	C
ATOM	32	N1	G A	2	60.462	4.103	57.654	1.00	0.00	N
ATOM	33	C2	G A	2	60.253	5.121	56.743	1.00	0.00	C
ATOM	34	N2	G A	2	60.267	4.769	55.453	1.00	0.00	N
ATOM	35	N3	G A	2	60.046	6.390	57.092	1.00	0.00	N
ATOM	36	C4	G A	2	60.059	6.564	58.440	1.00	0.00	C
ATOM	37	C5	G A	2	60.258	5.607	59.424	1.00	0.00	C
ATOM	38	C6	G A	2	60.481	4.261	59.052	1.00	0.00	C
ATOM	39	O6	G A	2	60.678	3.280	59.770	1.00	0.00	O
ATOM	40	N7	G A	2	60.194	6.196	60.688	1.00	0.00	N
ATOM	41	C8	G A	2	59.968	7.460	60.438	1.00	0.00	C
ATOM	42	N9	G A	2	59.873	7.762	59.095	1.00	0.00	N
ATOM	43	C2'	G A	2	58.632	9.955	59.185	1.00	0.00	C
ATOM	44	C3'	G A	2	59.199	11.344	58.948	1.00	0.00	C

ATOM	45	O3'	G A	2	58.733	11.832	57.692	1.00	0.00	O
ATOM	46	C4'	G A	2	60.709	11.099	58.948	1.00	0.00	C
ATOM	47	O4'	G A	2	60.856	9.763	58.372	1.00	0.00	O
ATOM	48	C5'	G A	2	61.391	11.123	60.296	1.00	0.00	C
ATOM	49	O5'	G A	2	60.520	10.542	61.297	1.00	0.00	O
ATOM	50	O1P	G A	2	59.989	12.484	62.805	1.00	0.00	O
ATOM	51	O2P	G A	2	59.949	10.146	63.711	1.00	0.00	O
ATOM	52	P	G A	2	60.561	11.125	62.781	1.00	0.00	P
ATOM	53	H1	G A	2	60.616	3.155	57.280	1.00	0.00	H
ATOM	54	H8	G A	2	59.865	8.210	61.222	1.00	0.00	H
ATOM	55	H1'	G A	2	59.287	8.886	57.419	1.00	0.00	H
ATOM	56	H21	G A	2	60.428	3.786	55.189	1.00	0.00	H
ATOM	57	H3'	G A	2	58.914	12.042	59.735	1.00	0.00	H
ATOM	58	H22	G A	2	60.114	5.481	54.725	1.00	0.00	H
ATOM	59	H4'	G A	2	61.155	11.879	58.334	1.00	0.00	H
ATOM	60	H2'1	G A	2	58.590	9.719	60.250	1.00	0.00	H
ATOM	61	H2'2	G A	2	57.619	9.866	58.790	1.00	0.00	H
ATOM	62	H5'1	G A	2	62.318	10.553	60.236	1.00	0.00	H
ATOM	63	H5'2	G A	2	61.622	12.155	60.560	1.00	0.00	H
ATOM	64	C1'	G A	3	56.588	7.399	54.901	1.00	0.00	C
ATOM	65	N1	G A	3	57.281	2.909	57.219	1.00	0.00	N
ATOM	66	C2	G A	3	57.256	3.217	55.872	1.00	0.00	C
ATOM	67	N2	G A	3	57.438	2.192	55.028	1.00	0.00	N
ATOM	68	N3	G A	3	57.065	4.447	55.402	1.00	0.00	N
ATOM	69	C4	G A	3	56.893	5.359	56.395	1.00	0.00	C
ATOM	70	C5	G A	3	56.899	5.143	57.764	1.00	0.00	C
ATOM	71	C6	G A	3	57.107	3.836	58.262	1.00	0.00	C
ATOM	72	O6	G A	3	57.148	3.448	59.431	1.00	0.00	O
ATOM	73	N7	G A	3	56.685	6.343	58.442	1.00	0.00	N
ATOM	74	C8	G A	3	56.561	7.229	57.488	1.00	0.00	C
ATOM	75	N9	G A	3	56.674	6.707	56.217	1.00	0.00	N
ATOM	76	C2'	G A	3	55.544	8.507	54.859	1.00	0.00	C
ATOM	77	C3'	G A	3	56.209	9.535	53.958	1.00	0.00	C
ATOM	78	O3'	G A	3	55.954	9.201	52.597	1.00	0.00	O
ATOM	79	C4'	G A	3	57.688	9.398	54.319	1.00	0.00	C
ATOM	80	O4'	G A	3	57.851	7.979	54.635	1.00	0.00	O
ATOM	81	C5'	G A	3	58.170	10.214	55.495	1.00	0.00	C
ATOM	82	O5'	G A	3	57.136	10.271	56.510	1.00	0.00	O
ATOM	83	O1P	G A	3	56.490	12.704	56.546	1.00	0.00	O
ATOM	84	O2P	G A	3	56.203	11.298	58.604	1.00	0.00	O
ATOM	85	P	G A	3	56.992	11.598	57.384	1.00	0.00	P
ATOM	86	H1	G A	3	57.442	1.923	57.478	1.00	0.00	H
ATOM	87	H8	G A	3	56.382	8.287	57.679	1.00	0.00	H
ATOM	88	H1'	G A	3	56.393	6.650	54.134	1.00	0.00	H
ATOM	89	H21	G A	3	57.587	1.243	55.399	1.00	0.00	H
ATOM	90	H3'	G A	3	55.849	10.546	54.156	1.00	0.00	H
ATOM	91	H22	G A	3	57.427	2.355	54.012	1.00	0.00	H
ATOM	92	H4'	G A	3	58.257	9.707	53.443	1.00	0.00	H
ATOM	93	H2'1	G A	3	55.339	8.919	55.847	1.00	0.00	H
ATOM	94	H2'2	G A	3	54.596	8.167	54.441	1.00	0.00	H
ATOM	95	H5'1	G A	3	59.066	9.751	55.908	1.00	0.00	H
ATOM	96	H5'2	G A	3	58.412	11.221	55.157	1.00	0.00	H
ATOM	97	C1'	C A	4	54.013	3.883	52.546	1.00	0.00	C
ATOM	98	N1	C A	4	53.877	4.062	54.019	1.00	0.00	N

ATOM	99	C2	C A	4	54.035	2.940	54.829	1.00	0.00	C
ATOM	100	O2	C A	4	54.280	1.850	54.298	1.00	0.00	O
ATOM	101	N3	C A	4	53.915	3.083	56.171	1.00	0.00	N
ATOM	102	C4	C A	4	53.648	4.277	56.715	1.00	0.00	C
ATOM	103	N4	C A	4	53.544	4.359	58.034	1.00	0.00	N
ATOM	104	C5	C A	4	53.477	5.446	55.905	1.00	0.00	C
ATOM	105	C6	C A	4	53.606	5.281	54.558	1.00	0.00	C
ATOM	106	C2'	C A	4	53.040	4.724	51.733	1.00	0.00	C
ATOM	107	C3'	C A	4	53.877	5.090	50.516	1.00	0.00	C
ATOM	108	O3'	C A	4	53.806	4.032	49.564	1.00	0.00	O
ATOM	109	C4'	C A	4	55.278	5.247	51.101	1.00	0.00	C
ATOM	110	O4'	C A	4	55.328	4.266	52.187	1.00	0.00	O
ATOM	111	C5'	C A	4	55.622	6.606	51.664	1.00	0.00	C
ATOM	112	O5'	C A	4	54.455	7.182	52.304	1.00	0.00	O
ATOM	113	O1P	C A	4	53.925	9.175	50.861	1.00	0.00	O
ATOM	114	O2P	C A	4	53.277	9.174	53.286	1.00	0.00	O
ATOM	115	P	C A	4	54.248	8.762	52.241	1.00	0.00	P
ATOM	116	H5	C A	4	53.256	6.419	56.344	1.00	0.00	H
ATOM	117	H6	C A	4	53.490	6.142	53.900	1.00	0.00	H
ATOM	118	H1'	C A	4	53.899	2.825	52.321	1.00	0.00	H
ATOM	119	H3'	C A	4	53.537	6.016	50.053	1.00	0.00	H
ATOM	120	H4'	C A	4	55.983	5.031	50.299	1.00	0.00	H
ATOM	121	H41	C A	4	53.340	5.266	58.480	1.00	0.00	H
ATOM	122	H42	C A	4	53.665	3.516	58.615	1.00	0.00	H
ATOM	123	H2'1	C A	4	52.712	5.614	52.270	1.00	0.00	H
ATOM	124	H2'2	C A	4	52.148	4.165	51.449	1.00	0.00	H
ATOM	125	H5'1	C A	4	56.426	6.499	52.393	1.00	0.00	H
ATOM	126	H5'2	C A	4	55.956	7.253	50.855	1.00	0.00	H
ATOM	127	C1'	C A	5	51.632	-0.450	52.265	1.00	0.00	C
ATOM	128	N1	C A	5	51.294	0.529	53.333	1.00	0.00	N
ATOM	129	C2	C A	5	51.278	0.078	54.652	1.00	0.00	C
ATOM	130	O2	C A	5	51.543	-1.111	54.880	1.00	0.00	O
ATOM	131	N3	C A	5	50.974	0.955	55.639	1.00	0.00	N
ATOM	132	C4	C A	5	50.690	2.233	55.362	1.00	0.00	C
ATOM	133	N4	C A	5	50.402	3.047	56.365	1.00	0.00	N
ATOM	134	C5	C A	5	50.698	2.724	54.016	1.00	0.00	C
ATOM	135	C6	C A	5	51.011	1.826	53.039	1.00	0.00	C
ATOM	136	C2'	C A	5	50.830	-0.264	50.986	1.00	0.00	C
ATOM	137	C3'	C A	5	51.851	-0.622	49.916	1.00	0.00	C
ATOM	138	O3'	C A	5	51.864	-2.036	49.738	1.00	0.00	O
ATOM	139	C4'	C A	5	53.158	-0.102	50.507	1.00	0.00	C
ATOM	140	O4'	C A	5	53.003	-0.287	51.950	1.00	0.00	O
ATOM	141	C5'	C A	5	53.486	1.349	50.238	1.00	0.00	C
ATOM	142	O5'	C A	5	52.269	2.138	50.257	1.00	0.00	O
ATOM	143	O1P	C A	5	52.052	2.929	47.878	1.00	0.00	O
ATOM	144	O2P	C A	5	51.063	4.282	49.745	1.00	0.00	O
ATOM	145	P	C A	5	52.152	3.389	49.276	1.00	0.00	P
ATOM	146	H5	C A	5	50.462	3.764	53.784	1.00	0.00	H
ATOM	147	H6	C A	5	51.033	2.153	51.998	1.00	0.00	H
ATOM	148	H1'	C A	5	51.499	-1.453	52.669	1.00	0.00	H
ATOM	149	H3'	C A	5	51.629	-0.141	48.963	1.00	0.00	H
ATOM	150	H4'	C A	5	53.960	-0.707	50.083	1.00	0.00	H
ATOM	151	H41	C A	5	50.182	4.036	56.180	1.00	0.00	H
ATOM	152	H42	C A	5	50.396	2.691	57.333	1.00	0.00	H

ATOM	153	H2'1	C A	5	50.473	0.758	50.866	1.00	0.00	H
ATOM	154	H2'2	C A	5	49.961	-0.922	50.944	1.00	0.00	H
ATOM	155	H5'1	C A	5	54.171	1.710	51.006	1.00	0.00	H
ATOM	156	H5'2	C A	5	53.965	1.433	49.264	1.00	0.00	H
ATOM	157	C1'	G A	6	49.105	-4.265	54.157	1.00	0.00	C
ATOM	158	N1	G A	6	47.781	-0.882	57.738	1.00	0.00	N
ATOM	159	C2	G A	6	48.161	-2.208	57.865	1.00	0.00	C
ATOM	160	N2	G A	6	48.189	-2.696	59.110	1.00	0.00	N
ATOM	161	N3	G A	6	48.486	-2.981	56.830	1.00	0.00	N
ATOM	162	C4	G A	6	48.394	-2.323	55.645	1.00	0.00	C
ATOM	163	C5	G A	6	48.021	-1.009	55.423	1.00	0.00	C
ATOM	164	C6	G A	6	47.680	-0.186	56.519	1.00	0.00	C
ATOM	165	O6	G A	6	47.328	0.995	56.525	1.00	0.00	O
ATOM	166	N7	G A	6	48.055	-0.722	54.057	1.00	0.00	N
ATOM	167	C8	G A	6	48.440	-1.845	53.507	1.00	0.00	C
ATOM	168	N9	G A	6	48.665	-2.865	54.407	1.00	0.00	N
ATOM	169	C2'	G A	6	48.509	-4.878	52.896	1.00	0.00	C
ATOM	170	C3'	G A	6	49.654	-5.742	52.392	1.00	0.00	C
ATOM	171	O3'	G A	6	49.620	-7.002	53.058	1.00	0.00	O
ATOM	172	C4'	G A	6	50.888	-4.923	52.767	1.00	0.00	C
ATOM	173	O4'	G A	6	50.512	-4.257	54.014	1.00	0.00	O
ATOM	174	C5'	G A	6	51.327	-3.876	51.773	1.00	0.00	C
ATOM	175	O5'	G A	6	50.165	-3.269	51.153	1.00	0.00	O
ATOM	176	O1P	G A	6	50.342	-3.991	48.749	1.00	0.00	O
ATOM	177	O2P	G A	6	49.163	-1.856	49.333	1.00	0.00	O
ATOM	178	P	G A	6	50.259	-2.809	49.629	1.00	0.00	P
ATOM	179	H1	G A	6	47.556	-0.367	58.604	1.00	0.00	H
ATOM	180	H8	G A	6	48.571	-1.965	52.431	1.00	0.00	H
ATOM	181	H1'	G A	6	48.859	-4.863	55.035	1.00	0.00	H
ATOM	182	H21	G A	6	47.940	-2.091	59.906	1.00	0.00	H
ATOM	183	H3'	G A	6	49.602	-5.902	51.315	1.00	0.00	H
ATOM	184	H22	G A	6	48.460	-3.677	59.273	1.00	0.00	H
ATOM	185	H4'	G A	6	51.709	-5.628	52.893	1.00	0.00	H
ATOM	186	H2'1	G A	6	48.228	-4.123	52.162	1.00	0.00	H
ATOM	187	H2'2	G A	6	47.622	-5.477	53.106	1.00	0.00	H
ATOM	188	H5'1	G A	6	51.910	-3.113	52.287	1.00	0.00	H
ATOM	189	H5'2	G A	6	51.949	-4.345	51.009	1.00	0.00	H
ATOM	190	C1'	C A	7	46.143	-6.426	57.486	1.00	0.00	C
ATOM	191	N1	C A	7	45.742	-5.149	56.835	1.00	0.00	N
ATOM	192	C2	C A	7	45.345	-4.095	57.654	1.00	0.00	C
ATOM	193	O2	C A	7	45.341	-4.259	58.880	1.00	0.00	O
ATOM	194	N3	C A	7	44.975	-2.924	57.079	1.00	0.00	N
ATOM	195	C4	C A	7	44.989	-2.776	55.749	1.00	0.00	C
ATOM	196	N4	C A	7	44.621	-1.609	55.240	1.00	0.00	N
ATOM	197	C5	C A	7	45.388	-3.845	54.881	1.00	0.00	C
ATOM	198	C6	C A	7	45.761	-5.014	55.481	1.00	0.00	C
ATOM	199	C2'	C A	7	45.701	-7.668	56.727	1.00	0.00	C
ATOM	200	C3'	C A	7	46.864	-8.620	56.972	1.00	0.00	C
ATOM	201	O3'	C A	7	46.674	-9.279	58.222	1.00	0.00	O
ATOM	202	C4'	C A	7	48.069	-7.684	56.989	1.00	0.00	C
ATOM	203	O4'	C A	7	47.556	-6.442	57.568	1.00	0.00	O
ATOM	204	C5'	C A	7	48.694	-7.369	55.649	1.00	0.00	C
ATOM	205	O5'	C A	7	47.661	-7.269	54.638	1.00	0.00	O
ATOM	206	O1P	C A	7	48.139	-9.222	53.121	1.00	0.00	O

ATOM	207	O2P	C A	7	46.993	-7.180	52.218	1.00	0.00	O
ATOM	208	P	C A	7	47.990	-7.753	53.155	1.00	0.00	P
ATOM	209	H5	C A	7	45.395	-3.731	53.795	1.00	0.00	H
ATOM	210	H6	C A	7	46.081	-5.853	54.863	1.00	0.00	H
ATOM	211	H1'	C A	7	45.749	-6.428	58.503	1.00	0.00	H
ATOM	212	H3'	C A	7	46.953	-9.364	56.180	1.00	0.00	H
ATOM	213	H4'	C A	7	48.830	-8.160	57.607	1.00	0.00	H
ATOM	214	H41	C A	7	44.625	-1.467	54.220	1.00	0.00	H
ATOM	215	H42	C A	7	44.331	-0.842	55.865	1.00	0.00	H
ATOM	216	H2'1	C A	7	45.563	-7.477	55.664	1.00	0.00	H
ATOM	217	H2'2	C A	7	44.765	-8.078	57.112	1.00	0.00	H
ATOM	218	H5'1	C A	7	49.235	-6.425	55.718	1.00	0.00	H
ATOM	219	H5'2	C A	7	49.392	-8.163	55.386	1.00	0.00	H
ATOM	220	C1'	A A	8	42.636	-6.447	60.981	1.00	0.00	C
ATOM	221	N1	A A	8	41.112	-2.126	58.668	1.00	0.00	N
ATOM	222	C2	A A	8	41.236	-2.464	59.947	1.00	0.00	C
ATOM	223	N3	A A	8	41.640	-3.599	60.479	1.00	0.00	N
ATOM	224	C4	A A	8	41.942	-4.483	59.509	1.00	0.00	C
ATOM	225	C5	A A	8	41.869	-4.294	58.158	1.00	0.00	C
ATOM	226	C6	A A	8	41.424	-3.027	57.725	1.00	0.00	C
ATOM	227	N6	A A	8	41.300	-2.697	56.428	1.00	0.00	N
ATOM	228	N7	A A	8	42.263	-5.430	57.471	1.00	0.00	N
ATOM	229	C8	A A	8	42.560	-6.276	58.415	1.00	0.00	C
ATOM	230	N9	A A	8	42.392	-5.770	59.678	1.00	0.00	N
ATOM	231	C2'	A A	8	42.252	-7.920	60.989	1.00	0.00	C
ATOM	232	C3'	A A	8	43.321	-8.522	61.887	1.00	0.00	C
ATOM	233	O3'	A A	8	42.922	-8.376	63.248	1.00	0.00	O
ATOM	234	C4'	A A	8	44.555	-7.684	61.556	1.00	0.00	C
ATOM	235	O4'	A A	8	44.020	-6.353	61.261	1.00	0.00	O
ATOM	236	C5'	A A	8	45.381	-8.145	60.379	1.00	0.00	C
ATOM	237	O5'	A A	8	44.511	-8.670	59.343	1.00	0.00	O
ATOM	238	O1P	A A	8	45.112	-11.114	59.264	1.00	0.00	O
ATOM	239	O2P	A A	8	44.205	-9.975	57.219	1.00	0.00	O
ATOM	240	P	A A	8	45.029	-9.885	58.450	1.00	0.00	P
ATOM	241	H2	A A	8	40.965	-1.688	60.662	1.00	0.00	H
ATOM	242	H8	A A	8	42.909	-7.290	58.220	1.00	0.00	H
ATOM	243	H1'	A A	8	42.100	-5.898	61.755	1.00	0.00	H
ATOM	244	H3'	A A	8	43.491	-9.576	61.671	1.00	0.00	H
ATOM	245	H4'	A A	8	45.194	-7.700	62.438	1.00	0.00	H
ATOM	246	H61	A A	8	40.973	-1.758	56.164	1.00	0.00	H
ATOM	247	H62	A A	8	41.536	-3.386	55.698	1.00	0.00	H
ATOM	248	H2'1	A A	8	42.278	-8.360	59.992	1.00	0.00	H
ATOM	249	H2'2	A A	8	41.254	-8.084	61.394	1.00	0.00	H
ATOM	250	H5'1	A A	8	45.948	-7.300	59.989	1.00	0.00	H
ATOM	251	H5'2	A A	8	46.072	-8.920	60.707	1.00	0.00	H
ATOM	252	C1'	C A	9	38.653	-4.579	63.283	1.00	0.00	C
ATOM	253	N1	C A	9	38.638	-4.796	61.811	1.00	0.00	N
ATOM	254	C2	C A	9	38.251	-3.732	60.997	1.00	0.00	C
ATOM	255	O2	C A	9	37.936	-2.660	61.528	1.00	0.00	O
ATOM	256	N3	C A	9	38.232	-3.910	59.654	1.00	0.00	N
ATOM	257	C4	C A	9	38.577	-5.084	59.110	1.00	0.00	C
ATOM	258	N4	C A	9	38.543	-5.202	57.790	1.00	0.00	N
ATOM	259	C5	C A	9	38.976	-6.197	59.921	1.00	0.00	C
ATOM	260	C6	C A	9	38.992	-5.994	61.272	1.00	0.00	C

ATOM	261	C2'	C A	9	38.190	-5.786	64.085	1.00	0.00	C
ATOM	262	C3'	C A	9	39.083	-5.711	65.316	1.00	0.00	C
ATOM	263	O3'	C A	9	38.500	-4.819	66.263	1.00	0.00	O
ATOM	264	C4'	C A	9	40.396	-5.174	64.749	1.00	0.00	C
ATOM	265	O4'	C A	9	39.985	-4.286	63.662	1.00	0.00	O
ATOM	266	C5'	C A	9	41.357	-6.200	64.197	1.00	0.00	C
ATOM	267	O5'	C A	9	40.618	-7.264	63.544	1.00	0.00	O
ATOM	268	O1P	C A	9	41.088	-9.272	64.984	1.00	0.00	O
ATOM	269	O2P	C A	9	40.551	-9.572	62.552	1.00	0.00	O
ATOM	270	P	C A	9	41.191	-8.750	63.608	1.00	0.00	P
ATOM	271	H5	C A	9	39.252	-7.157	59.483	1.00	0.00	H
ATOM	272	H6	C A	9	39.297	-6.807	61.930	1.00	0.00	H
ATOM	273	H1'	C A	9	38.041	-3.705	63.504	1.00	0.00	H
ATOM	274	H3'	C A	9	39.223	-6.688	65.778	1.00	0.00	H
ATOM	275	H4'	C A	9	40.900	-4.650	65.561	1.00	0.00	H
ATOM	276	H41	C A	9	38.805	-6.093	57.345	1.00	0.00	H
ATOM	277	H42	C A	9	38.253	-4.401	57.209	1.00	0.00	H
ATOM	278	H2'1	C A	9	38.336	-6.721	63.548	1.00	0.00	H
ATOM	279	H2'2	C A	9	37.134	-5.724	64.357	1.00	0.00	H
ATOM	280	H5'1	C A	9	42.022	-5.719	63.479	1.00	0.00	H
ATOM	281	H5'2	C A	9	41.949	-6.612	65.013	1.00	0.00	H
ATOM	282	C1'	C A	10	34.483	-1.917	63.516	1.00	0.00	C
ATOM	283	N1	C A	10	34.671	-2.935	62.447	1.00	0.00	N
ATOM	284	C2	C A	10	34.457	-2.541	61.128	1.00	0.00	C
ATOM	285	O2	C A	10	34.123	-1.371	60.898	1.00	0.00	O
ATOM	286	N3	C A	10	34.624	-3.453	60.138	1.00	0.00	N
ATOM	287	C4	C A	10	34.984	-4.713	60.416	1.00	0.00	C
ATOM	288	N4	C A	10	35.135	-5.563	59.410	1.00	0.00	N
ATOM	289	C5	C A	10	35.206	-5.147	61.764	1.00	0.00	C
ATOM	290	C6	C A	10	35.037	-4.209	62.744	1.00	0.00	C
ATOM	291	C2'	C A	10	33.850	-2.469	64.786	1.00	0.00	C
ATOM	292	C3'	C A	10	34.560	-1.669	65.868	1.00	0.00	C
ATOM	293	O3'	C A	10	33.892	-0.422	66.041	1.00	0.00	O
ATOM	294	C4'	C A	10	35.965	-1.497	65.296	1.00	0.00	C
ATOM	295	O4'	C A	10	35.760	-1.404	63.852	1.00	0.00	O
ATOM	296	C5'	C A	10	36.944	-2.615	65.574	1.00	0.00	C
ATOM	297	O5'	C A	10	36.254	-3.891	65.542	1.00	0.00	O
ATOM	298	O1P	C A	10	36.411	-4.697	67.921	1.00	0.00	O
ATOM	299	O2P	C A	10	36.215	-6.351	66.045	1.00	0.00	O
ATOM	300	P	C A	10	36.738	-5.049	66.525	1.00	0.00	P
ATOM	301	H5	C A	10	35.494	-6.173	61.997	1.00	0.00	H
ATOM	302	H6	C A	10	35.203	-4.490	63.785	1.00	0.00	H
ATOM	303	H1'	C A	10	33.890	-1.098	63.109	1.00	0.00	H
ATOM	304	H3'	C A	10	34.582	-2.201	66.819	1.00	0.00	H
ATOM	305	H4'	C A	10	36.373	-0.584	65.730	1.00	0.00	H
ATOM	306	H41	C A	10	35.414	-6.536	59.596	1.00	0.00	H
ATOM	307	H42	C A	10	34.972	-5.249	58.443	1.00	0.00	H
ATOM	308	H2'1	C A	10	34.025	-3.539	64.905	1.00	0.00	H
ATOM	309	H2'2	C A	10	32.771	-2.308	64.814	1.00	0.00	H
ATOM	310	H5'1	C A	10	37.728	-2.601	64.816	1.00	0.00	H
ATOM	311	H5'2	C A	10	37.391	-2.462	66.555	1.00	0.00	H
ATOM	312	C1'	T A	11	30.460	0.238	61.599	1.00	0.00	C
ATOM	313	N1	T A	11	30.745	-1.194	61.319	1.00	0.00	N
ATOM	314	C2	T A	11	30.733	-1.591	59.997	1.00	0.00	C

ATOM	315	O2	T A	11	30.503	-0.824	59.079	1.00	0.00	O
ATOM	316	N3	T A	11	31.003	-2.930	59.781	1.00	0.00	N
ATOM	317	C4	T A	11	31.273	-3.880	60.746	1.00	0.00	C
ATOM	318	O4	T A	11	31.498	-5.056	60.431	1.00	0.00	O
ATOM	319	C5	T A	11	31.262	-3.370	62.097	1.00	0.00	C
ATOM	320	C6	T A	11	31.004	-2.071	62.343	1.00	0.00	C
ATOM	321	C7	T A	11	31.554	-4.368	63.177	1.00	0.00	C
ATOM	322	C2'	T A	11	29.631	0.465	62.857	1.00	0.00	C
ATOM	323	C3'	T A	11	30.220	1.759	63.397	1.00	0.00	C
ATOM	324	O3'	T A	11	29.595	2.865	62.748	1.00	0.00	O
ATOM	325	C4'	T A	11	31.698	1.636	63.034	1.00	0.00	C
ATOM	326	O4'	T A	11	31.699	0.900	61.770	1.00	0.00	O
ATOM	327	C5'	T A	11	32.575	0.902	64.023	1.00	0.00	C
ATOM	328	O5'	T A	11	31.836	-0.198	64.609	1.00	0.00	O
ATOM	329	O1P	T A	11	31.619	0.467	67.027	1.00	0.00	O
ATOM	330	O2P	T A	11	31.608	-1.959	66.387	1.00	0.00	O
ATOM	331	P	T A	11	32.119	-0.591	66.128	1.00	0.00	P
ATOM	332	H3	T A	11	31.005	-3.252	58.803	1.00	0.00	H
ATOM	333	H6	T A	11	31.002	-1.709	63.372	1.00	0.00	H
ATOM	334	H1'	T A	11	29.970	0.667	60.726	1.00	0.00	H
ATOM	335	H3'	T A	11	30.084	1.850	64.474	1.00	0.00	H
ATOM	336	H4'	T A	11	32.086	2.652	62.936	1.00	0.00	H
ATOM	337	H71	T A	11	30.667	-4.500	63.798	1.00	0.00	H
ATOM	338	H72	T A	11	31.827	-5.323	62.726	1.00	0.00	H
ATOM	339	H73	T A	11	32.378	-4.009	63.793	1.00	0.00	H
ATOM	340	H2'1	T A	11	29.736	-0.347	63.573	1.00	0.00	H
ATOM	341	H2'2	T A	11	28.567	0.573	62.637	1.00	0.00	H
ATOM	342	H5'1	T A	11	33.455	0.521	63.507	1.00	0.00	H
ATOM	343	H5'2	T A	11	32.886	1.595	64.805	1.00	0.00	H
ATOM	344	C1'	A A	12	26.869	0.738	58.209	1.00	0.00	C
ATOM	345	N1	A A	12	27.713	-4.259	57.393	1.00	0.00	N
ATOM	346	C2	A A	12	27.505	-3.236	56.571	1.00	0.00	C
ATOM	347	N3	A A	12	27.296	-1.966	56.849	1.00	0.00	N
ATOM	348	C4	A A	12	27.307	-1.774	58.179	1.00	0.00	C
ATOM	349	C5	A A	12	27.505	-2.711	59.154	1.00	0.00	C
ATOM	350	C6	A A	12	27.720	-4.035	58.717	1.00	0.00	C
ATOM	351	N6	A A	12	27.928	-5.061	59.560	1.00	0.00	N
ATOM	352	N7	A A	12	27.449	-2.141	60.414	1.00	0.00	N
ATOM	353	C8	A A	12	27.217	-0.884	60.178	1.00	0.00	C
ATOM	354	N9	A A	12	27.121	-0.585	58.842	1.00	0.00	N
ATOM	355	C2'	A A	12	25.882	1.605	58.977	1.00	0.00	C
ATOM	356	C3'	A A	12	26.450	3.000	58.760	1.00	0.00	C
ATOM	357	O3'	A A	12	25.977	3.508	57.514	1.00	0.00	O
ATOM	358	C4'	A A	12	27.958	2.755	58.749	1.00	0.00	C
ATOM	359	O4'	A A	12	28.103	1.428	58.150	1.00	0.00	O
ATOM	360	C5'	A A	12	28.647	2.758	60.092	1.00	0.00	C
ATOM	361	O5'	A A	12	27.781	2.158	61.090	1.00	0.00	O
ATOM	362	O1P	A A	12	27.257	4.077	62.633	1.00	0.00	O
ATOM	363	O2P	A A	12	27.221	1.722	63.500	1.00	0.00	O
ATOM	364	P	A A	12	27.829	2.717	62.582	1.00	0.00	P
ATOM	365	H2	A A	12	27.508	-3.485	55.510	1.00	0.00	H
ATOM	366	H8	A A	12	27.110	-0.137	60.964	1.00	0.00	H
ATOM	367	H1'	A A	12	26.529	0.568	57.190	1.00	0.00	H
ATOM	368	H3'	A A	12	26.169	3.685	59.559	1.00	0.00	H

ATOM	369	H4'	A	A	12	28.401	3.547	58.145	1.00	0.00	H
ATOM	370	H61	A	A	12	28.082	-6.009	59.188	1.00	0.00	H
ATOM	371	H62	A	A	12	27.932	-4.898	60.577	1.00	0.00	H
ATOM	372	H2'1	A	A	12	25.845	1.354	60.037	1.00	0.00	H
ATOM	373	H2'2	A	A	12	24.868	1.524	58.586	1.00	0.00	H
ATOM	374	H5'1	A	A	12	29.574	2.188	60.019	1.00	0.00	H
ATOM	375	H5'2	A	A	12	28.879	3.784	60.375	1.00	0.00	H
ATOM	376	C1'	G	A	13	23.838	-0.958	54.663	1.00	0.00	C
ATOM	377	N1	G	A	13	24.533	-5.448	56.980	1.00	0.00	N
ATOM	378	C2	G	A	13	24.507	-5.141	55.633	1.00	0.00	C
ATOM	379	N2	G	A	13	24.687	-6.165	54.788	1.00	0.00	N
ATOM	380	N3	G	A	13	24.315	-3.909	55.163	1.00	0.00	N
ATOM	381	C4	G	A	13	24.144	-2.998	56.157	1.00	0.00	C
ATOM	382	C5	G	A	13	24.150	-3.215	57.525	1.00	0.00	C
ATOM	383	C6	G	A	13	24.357	-4.521	58.024	1.00	0.00	C
ATOM	384	O6	G	A	13	24.396	-4.908	59.192	1.00	0.00	O
ATOM	385	N7	G	A	13	23.935	-2.014	58.204	1.00	0.00	N
ATOM	386	C8	G	A	13	23.811	-1.128	57.250	1.00	0.00	C
ATOM	387	N9	G	A	13	23.925	-1.650	55.978	1.00	0.00	N
ATOM	388	C2'	G	A	13	22.795	0.150	54.620	1.00	0.00	C
ATOM	389	C3'	G	A	13	23.459	1.179	53.720	1.00	0.00	C
ATOM	390	O3'	G	A	13	23.203	0.844	52.358	1.00	0.00	O
ATOM	391	C4'	G	A	13	24.938	1.041	54.080	1.00	0.00	C
ATOM	392	O4'	G	A	13	25.101	-0.379	54.396	1.00	0.00	O
ATOM	393	C5'	G	A	13	25.420	1.856	55.257	1.00	0.00	C
ATOM	394	O5'	G	A	13	24.387	1.914	56.271	1.00	0.00	O
ATOM	395	O1P	G	A	13	23.741	4.347	56.307	1.00	0.00	O
ATOM	396	O2P	G	A	13	23.453	2.941	58.365	1.00	0.00	O
ATOM	397	P	G	A	13	24.242	3.240	57.145	1.00	0.00	P
ATOM	398	H1	G	A	13	24.696	-6.435	57.240	1.00	0.00	H
ATOM	399	H8	G	A	13	23.632	-0.070	57.441	1.00	0.00	H
ATOM	400	H1'	G	A	13	23.644	-1.707	53.895	1.00	0.00	H
ATOM	401	H21	G	A	13	24.838	-7.115	55.160	1.00	0.00	H
ATOM	402	H3'	G	A	13	23.099	2.189	53.917	1.00	0.00	H
ATOM	403	H22	G	A	13	24.675	-6.003	53.773	1.00	0.00	H
ATOM	404	H4'	G	A	13	25.508	1.350	53.204	1.00	0.00	H
ATOM	405	H2'1	G	A	13	22.589	0.562	55.608	1.00	0.00	H
ATOM	406	H2'2	G	A	13	21.847	-0.190	54.203	1.00	0.00	H
ATOM	407	H5'1	G	A	13	26.316	1.394	55.669	1.00	0.00	H
ATOM	408	H5'2	G	A	13	25.662	2.864	54.918	1.00	0.00	H
ATOM	409	C1'	G	A	14	21.263	-4.474	52.308	1.00	0.00	C
ATOM	410	N1	G	A	14	21.393	-6.809	56.842	1.00	0.00	N
ATOM	411	C2	G	A	14	21.577	-7.325	55.572	1.00	0.00	C
ATOM	412	N2	G	A	14	21.825	-8.639	55.498	1.00	0.00	N
ATOM	413	N3	G	A	14	21.517	-6.590	54.463	1.00	0.00	N
ATOM	414	C4	G	A	14	21.249	-5.284	54.724	1.00	0.00	C
ATOM	415	C5	G	A	14	21.048	-4.682	55.955	1.00	0.00	C
ATOM	416	C6	G	A	14	21.115	-5.460	57.132	1.00	0.00	C
ATOM	417	O6	G	A	14	20.966	-5.112	58.303	1.00	0.00	O
ATOM	418	N7	G	A	14	20.796	-3.317	55.787	1.00	0.00	N
ATOM	419	C8	G	A	14	20.855	-3.140	54.494	1.00	0.00	C
ATOM	420	N9	G	A	14	21.126	-4.288	53.779	1.00	0.00	N
ATOM	421	C2'	G	A	14	20.294	-3.631	51.491	1.00	0.00	C
ATOM	422	C3'	G	A	14	21.132	-3.272	50.274	1.00	0.00	C

ATOM	423	O3'	G A	14	21.058	-4.334	49.325	1.00	0.00	O
ATOM	424	C4'	G A	14	22.535	-3.119	50.862	1.00	0.00	C
ATOM	425	O4'	G A	14	22.579	-4.097	51.949	1.00	0.00	O
ATOM	426	C5'	G A	14	22.882	-1.759	51.420	1.00	0.00	C
ATOM	427	O5'	G A	14	21.717	-1.177	52.056	1.00	0.00	O
ATOM	428	O1P	G A	14	21.196	0.812	50.606	1.00	0.00	O
ATOM	429	O2P	G A	14	20.545	0.821	53.029	1.00	0.00	O
ATOM	430	P	G A	14	21.515	0.403	51.987	1.00	0.00	P
ATOM	431	H1	G A	14	21.466	-7.464	57.636	1.00	0.00	H
ATOM	432	H8	G A	14	20.705	-2.169	54.020	1.00	0.00	H
ATOM	433	H1'	G A	14	21.144	-5.533	52.085	1.00	0.00	H
ATOM	434	H21	G A	14	21.874	-9.201	56.361	1.00	0.00	H
ATOM	435	H3'	G A	14	20.798	-2.346	49.807	1.00	0.00	H
ATOM	436	H22	G A	14	21.968	-9.086	54.582	1.00	0.00	H
ATOM	437	H4'	G A	14	23.239	-3.341	50.061	1.00	0.00	H
ATOM	438	H2'1	G A	14	19.969	-2.739	52.025	1.00	0.00	H
ATOM	439	H2'2	G A	14	19.400	-4.188	51.208	1.00	0.00	H
ATOM	440	H5'1	G A	14	23.685	-1.867	52.149	1.00	0.00	H
ATOM	441	H5'2	G A	14	23.220	-1.115	50.608	1.00	0.00	H
ATOM	442	C1'	A A	15	18.884	-8.803	52.003	1.00	0.00	C
ATOM	443	N1	A A	15	18.244	-8.154	57.055	1.00	0.00	N
ATOM	444	C2	A A	15	18.566	-9.214	56.318	1.00	0.00	C
ATOM	445	N3	A A	15	18.719	-9.312	55.013	1.00	0.00	N
ATOM	446	C4	A A	15	18.490	-8.122	54.429	1.00	0.00	C
ATOM	447	C5	A A	15	18.151	-6.946	55.036	1.00	0.00	C
ATOM	448	C6	A A	15	18.023	-6.981	56.441	1.00	0.00	C
ATOM	449	N6	A A	15	17.694	-5.903	57.174	1.00	0.00	N
ATOM	450	N7	A A	15	17.997	-5.930	54.110	1.00	0.00	N
ATOM	451	C8	A A	15	18.240	-6.508	52.971	1.00	0.00	C
ATOM	452	N9	A A	15	18.549	-7.840	53.085	1.00	0.00	N
ATOM	453	C2'	A A	15	18.080	-8.597	50.726	1.00	0.00	C
ATOM	454	C3'	A A	15	19.099	-8.944	49.651	1.00	0.00	C
ATOM	455	O3'	A A	15	19.108	-10.354	49.454	1.00	0.00	O
ATOM	456	C4'	A A	15	20.410	-8.434	50.247	1.00	0.00	C
ATOM	457	O4'	A A	15	20.254	-8.639	51.689	1.00	0.00	O
ATOM	458	C5'	A A	15	20.741	-6.982	49.999	1.00	0.00	C
ATOM	459	O5'	A A	15	19.527	-6.189	50.030	1.00	0.00	O
ATOM	460	O1P	A A	15	19.310	-5.365	47.662	1.00	0.00	O
ATOM	461	O2P	A A	15	18.326	-4.034	49.550	1.00	0.00	O
ATOM	462	P	A A	15	19.412	-4.923	49.067	1.00	0.00	P
ATOM	463	H2	A A	15	18.730	-10.136	56.876	1.00	0.00	H
ATOM	464	H8	A A	15	18.203	-5.986	52.015	1.00	0.00	H
ATOM	465	H1'	A A	15	18.747	-9.812	52.392	1.00	0.00	H
ATOM	466	H3'	A A	15	18.879	-8.447	48.705	1.00	0.00	H
ATOM	467	H4'	A A	15	21.208	-9.037	49.816	1.00	0.00	H
ATOM	468	H61	A A	15	17.618	-5.983	58.198	1.00	0.00	H
ATOM	469	H62	A A	15	17.521	-5.000	56.711	1.00	0.00	H
ATOM	470	H2'1	A A	15	17.727	-7.572	50.623	1.00	0.00	H
ATOM	471	H2'2	A A	15	17.211	-9.252	50.675	1.00	0.00	H
ATOM	472	H5'1	A A	15	21.427	-6.635	50.772	1.00	0.00	H
ATOM	473	H5'2	A A	15	21.219	-6.885	49.026	1.00	0.00	H
ATOM	474	C1'	C A	16	16.354	-12.624	53.918	1.00	0.00	C
ATOM	475	N1	C A	16	15.916	-11.225	54.176	1.00	0.00	N
ATOM	476	C2	C A	16	15.687	-10.844	55.496	1.00	0.00	C

ATOM	477	O2	C A	16	15.856	-11.679	56.395	1.00	0.00	O
ATOM	478	N3	C A	16	15.286	-9.575	55.752	1.00	0.00	N
ATOM	479	C4	C A	16	15.112	-8.696	54.758	1.00	0.00	C
ATOM	480	N4	C A	16	14.722	-7.467	55.065	1.00	0.00	N
ATOM	481	C5	C A	16	15.335	-9.059	53.389	1.00	0.00	C
ATOM	482	C6	C A	16	15.742	-10.342	53.155	1.00	0.00	C
ATOM	483	C2'	C A	16	15.755	-13.234	52.659	1.00	0.00	C
ATOM	484	C3'	C A	16	16.900	-14.095	52.148	1.00	0.00	C
ATOM	485	O3'	C A	16	16.868	-15.357	52.809	1.00	0.00	O
ATOM	486	C4'	C A	16	18.133	-13.276	52.522	1.00	0.00	C
ATOM	487	O4'	C A	16	17.762	-12.612	53.771	1.00	0.00	O
ATOM	488	C5'	C A	16	18.568	-12.225	51.526	1.00	0.00	C
ATOM	489	O5'	C A	16	17.402	-11.618	50.913	1.00	0.00	O
ATOM	490	O1P	C A	16	17.570	-12.333	48.506	1.00	0.00	O
ATOM	491	O2P	C A	16	16.391	-10.201	49.101	1.00	0.00	O
ATOM	492	P	C A	16	17.490	-11.154	49.390	1.00	0.00	P
ATOM	493	H5	C A	16	15.186	-8.347	52.574	1.00	0.00	H
ATOM	494	H6	C A	16	15.933	-10.663	52.130	1.00	0.00	H
ATOM	495	H1'	C A	16	16.115	-13.223	54.797	1.00	0.00	H
ATOM	496	H3'	C A	16	16.841	-14.251	51.070	1.00	0.00	H
ATOM	497	H4'	C A	16	18.956	-13.981	52.640	1.00	0.00	H
ATOM	498	H41	C A	16	14.582	-6.769	54.318	1.00	0.00	H
ATOM	499	H42	C A	16	14.559	-7.208	56.048	1.00	0.00	H
ATOM	500	H2'1	C A	16	15.471	-12.477	51.928	1.00	0.00	H
ATOM	501	H2'2	C A	16	14.869	-13.834	52.872	1.00	0.00	H
ATOM	502	H5'1	C A	16	19.152	-11.463	52.043	1.00	0.00	H
ATOM	503	H5'2	C A	16	19.186	-12.691	50.760	1.00	0.00	H
ATOM	504	C1'	G A	17	13.393	-14.782	57.248	1.00	0.00	C
ATOM	505	N1	G A	17	11.738	-10.019	58.027	1.00	0.00	N
ATOM	506	C2	G A	17	12.029	-11.019	58.938	1.00	0.00	C
ATOM	507	N2	G A	17	11.853	-10.709	60.229	1.00	0.00	N
ATOM	508	N3	G A	17	12.460	-12.230	58.591	1.00	0.00	N
ATOM	509	C4	G A	17	12.573	-12.371	57.244	1.00	0.00	C
ATOM	510	C5	G A	17	12.303	-11.434	56.260	1.00	0.00	C
ATOM	511	C6	G A	17	11.850	-10.146	56.627	1.00	0.00	C
ATOM	512	O6	G A	17	11.558	-9.189	55.909	1.00	0.00	O
ATOM	513	N7	G A	17	12.547	-11.975	54.996	1.00	0.00	N
ATOM	514	C8	G A	17	12.951	-13.194	55.247	1.00	0.00	C
ATOM	515	N9	G A	17	12.993	-13.510	56.591	1.00	0.00	N
ATOM	516	C2'	G A	17	12.956	-16.028	56.490	1.00	0.00	C
ATOM	517	C3'	G A	17	14.117	-16.977	56.741	1.00	0.00	C
ATOM	518	O3'	G A	17	13.924	-17.633	57.992	1.00	0.00	O
ATOM	519	C4'	G A	17	15.323	-16.038	56.760	1.00	0.00	C
ATOM	520	O4'	G A	17	14.805	-14.798	57.335	1.00	0.00	O
ATOM	521	C5'	G A	17	15.952	-15.728	55.422	1.00	0.00	C
ATOM	522	O5'	G A	17	14.924	-15.631	54.408	1.00	0.00	O
ATOM	523	O1P	G A	17	15.409	-17.587	52.899	1.00	0.00	O
ATOM	524	O2P	G A	17	14.265	-15.550	51.984	1.00	0.00	O
ATOM	525	P	G A	17	15.259	-16.119	52.926	1.00	0.00	P
ATOM	526	H1	G A	17	11.417	-9.114	58.401	1.00	0.00	H
ATOM	527	H8	G A	17	13.229	-13.900	54.465	1.00	0.00	H
ATOM	528	H1'	G A	17	12.994	-14.783	58.263	1.00	0.00	H
ATOM	529	H21	G A	17	11.523	-9.769	60.490	1.00	0.00	H
ATOM	530	H3'	G A	17	14.212	-17.724	55.952	1.00	0.00	H

ATOM	531	H22	G A	17	12.049	-11.410	60.958	1.00	0.00	H
ATOM	532	H4'	G A	17	16.082	-16.512	57.384	1.00	0.00	H
ATOM	533	H2'1	G A	17	12.821	-15.838	55.425	1.00	0.00	H
ATOM	534	H2'2	G A	17	12.019	-16.437	56.872	1.00	0.00	H
ATOM	535	H5'1	G A	17	16.492	-14.784	55.493	1.00	0.00	H
ATOM	536	H5'2	G A	17	16.653	-16.522	55.164	1.00	0.00	H
ATOM	537	C1'	G A	18	9.879	-14.780	60.738	1.00	0.00	C
ATOM	538	N1	G A	18	8.369	-10.497	58.414	1.00	0.00	N
ATOM	539	C2	G A	18	8.475	-10.786	59.763	1.00	0.00	C
ATOM	540	N2	G A	18	8.131	-9.802	60.605	1.00	0.00	N
ATOM	541	N3	G A	18	8.892	-11.959	60.233	1.00	0.00	N
ATOM	542	C4	G A	18	9.189	-12.838	59.241	1.00	0.00	C
ATOM	543	C5	G A	18	9.111	-12.640	57.872	1.00	0.00	C
ATOM	544	C6	G A	18	8.673	-11.392	57.371	1.00	0.00	C
ATOM	545	O6	G A	18	8.538	-11.030	56.202	1.00	0.00	O
ATOM	546	N7	G A	18	9.506	-13.794	57.194	1.00	0.00	N
ATOM	547	C8	G A	18	9.809	-14.634	58.149	1.00	0.00	C
ATOM	548	N9	G A	18	9.641	-14.126	59.421	1.00	0.00	N
ATOM	549	C2'	G A	18	9.493	-16.253	60.770	1.00	0.00	C
ATOM	550	C3'	G A	18	10.558	-16.839	61.682	1.00	0.00	C
ATOM	551	O3'	G A	18	10.154	-16.673	63.040	1.00	0.00	O
ATOM	552	C4'	G A	18	11.794	-16.010	61.342	1.00	0.00	C
ATOM	553	O4'	G A	18	11.261	-14.685	61.024	1.00	0.00	O
ATOM	554	C5'	G A	18	12.624	-16.490	60.175	1.00	0.00	C
ATOM	555	O5'	G A	18	11.758	-17.033	59.147	1.00	0.00	O
ATOM	556	O1P	G A	18	12.357	-19.477	59.110	1.00	0.00	O
ATOM	557	O2P	G A	18	11.460	-18.374	57.043	1.00	0.00	O
ATOM	558	P	G A	18	12.279	-18.264	58.276	1.00	0.00	P
ATOM	559	H1	G A	18	8.043	-9.554	58.153	1.00	0.00	H
ATOM	560	H8	G A	18	10.161	-15.648	57.960	1.00	0.00	H
ATOM	561	H1'	G A	18	9.339	-14.219	61.499	1.00	0.00	H
ATOM	562	H21	G A	18	7.813	-8.895	60.232	1.00	0.00	H
ATOM	563	H3'	G A	18	10.728	-17.899	61.483	1.00	0.00	H
ATOM	564	H22	G A	18	8.185	-9.954	61.621	1.00	0.00	H
ATOM	565	H4'	G A	18	12.430	-16.011	62.226	1.00	0.00	H
ATOM	566	H2'1	G A	18	9.523	-16.710	59.780	1.00	0.00	H
ATOM	567	H2'2	G A	18	8.493	-16.410	61.173	1.00	0.00	H
ATOM	568	H5'1	G A	18	13.195	-15.653	59.774	1.00	0.00	H
ATOM	569	H5'2	G A	18	13.314	-17.260	60.520	1.00	0.00	H
ATOM	570	C1'	T A	19	5.909	-12.953	63.060	1.00	0.00	C
ATOM	571	N1	T A	19	5.886	-13.148	61.587	1.00	0.00	N
ATOM	572	C2	T A	19	5.494	-12.074	60.814	1.00	0.00	C
ATOM	573	O2	T A	19	5.176	-10.999	61.293	1.00	0.00	O
ATOM	574	N3	T A	19	5.490	-12.299	59.450	1.00	0.00	N
ATOM	575	C4	T A	19	5.827	-13.473	58.810	1.00	0.00	C
ATOM	576	O4	T A	19	5.780	-13.558	57.577	1.00	0.00	O
ATOM	577	C5	T A	19	6.222	-14.539	59.700	1.00	0.00	C
ATOM	578	C6	T A	19	6.241	-14.355	61.035	1.00	0.00	C
ATOM	579	C7	T A	19	6.603	-15.835	59.046	1.00	0.00	C
ATOM	580	C2'	T A	19	5.452	-14.173	63.850	1.00	0.00	C
ATOM	581	C3'	T A	19	6.351	-14.113	65.075	1.00	0.00	C
ATOM	582	O3'	T A	19	5.773	-13.235	66.039	1.00	0.00	O
ATOM	583	C4'	T A	19	7.660	-13.569	64.509	1.00	0.00	C
ATOM	584	O4'	T A	19	7.241	-12.664	63.439	1.00	0.00	O

ATOM	585	C5'	T A	19	8.620	-14.586	63.937	1.00	0.00	C
ATOM	586	O5'	T A	19	7.878	-15.639	63.272	1.00	0.00	O
ATOM	587	O1P	T A	19	8.357	-17.667	64.682	1.00	0.00	O
ATOM	588	O2P	T A	19	7.807	-17.932	62.248	1.00	0.00	O
ATOM	589	P	T A	19	8.452	-17.126	63.312	1.00	0.00	P
ATOM	590	H3	T A	19	5.205	-11.511	58.851	1.00	0.00	H
ATOM	591	H6	T A	19	6.544	-15.174	61.686	1.00	0.00	H
ATOM	592	H1'	T A	19	5.297	-12.082	63.299	1.00	0.00	H
ATOM	593	H3'	T A	19	6.494	-15.097	65.523	1.00	0.00	H
ATOM	594	H4'	T A	19	8.168	-13.055	65.326	1.00	0.00	H
ATOM	595	H71	T A	19	5.882	-16.604	59.319	1.00	0.00	H
ATOM	596	H72	T A	19	6.604	-15.707	57.963	1.00	0.00	H
ATOM	597	H73	T A	19	7.597	-16.134	59.377	1.00	0.00	H
ATOM	598	H2'1	T A	19	5.595	-15.099	63.296	1.00	0.00	H
ATOM	599	H2'2	T A	19	4.399	-14.116	64.127	1.00	0.00	H
ATOM	600	H5'1	T A	19	9.279	-14.093	63.223	1.00	0.00	H
ATOM	601	H5'2	T A	19	9.217	-15.008	64.743	1.00	0.00	H
ATOM	602	C01	LNK A	20	3.111	-13.825	68.573	0.00	0.00	C
ATOM	603	O1	LNK A	20	3.928	-14.260	67.483	1.00	0.00	O
ATOM	604	S	LNK A	20	0.113	-15.186	70.811	0.00	0.00	S
ATOM	605	C02	LNK A	20	2.114	-14.940	68.943	0.00	0.00	C
ATOM	606	C03	LNK A	20	0.770	-14.311	69.356	0.00	0.00	C
ATOM	607	O1P	LNK A	20	3.514	-14.118	65.004	1.00	0.00	O
ATOM	608	O2P	LNK A	20	3.328	-12.060	66.429	1.00	0.00	O
ATOM	609	P	LNK A	20	4.002	-13.357	66.171	1.00	0.00	P
ATOM	610	H01	LNK A	20	2.562	-12.929	68.283	0.00	0.00	H
ATOM	611	H02	LNK A	20	3.742	-13.603	69.434	0.00	0.00	H
ATOM	612	H03	LNK A	20	0.061	-14.394	68.532	0.00	0.00	H
ATOM	613	H04	LNK A	20	2.513	-15.524	69.772	0.00	0.00	H
ATOM	614	H05	LNK A	20	1.961	-15.590	68.082	0.00	0.00	H
ATOM	615	H06	LNK A	20	0.921	-13.260	69.602	0.00	0.00	H
ATOM	616	AU	LNK A	20	-0.528	-14.976	70.935			
TER										
ATOM	618	C1'	A B	2	3.160	-5.771	55.330	1.00	0.00	C
ATOM	619	N1	A B	2	4.670	-10.055	57.719	1.00	0.00	N
ATOM	620	C2	A B	2	4.317	-8.855	58.166	1.00	0.00	C
ATOM	621	N3	A B	2	3.933	-7.790	57.493	1.00	0.00	N
ATOM	622	C4	A B	2	3.936	-8.050	56.172	1.00	0.00	C
ATOM	623	C5	A B	2	4.271	-9.221	55.556	1.00	0.00	C
ATOM	624	C6	A B	2	4.662	-10.284	56.397	1.00	0.00	C
ATOM	625	N6	A B	2	5.017	-11.495	55.934	1.00	0.00	N
ATOM	626	N7	A B	2	4.151	-9.114	54.180	1.00	0.00	N
ATOM	627	C8	A B	2	3.756	-7.891	53.997	1.00	0.00	C
ATOM	628	N9	A B	2	3.600	-7.183	55.161	1.00	0.00	N
ATOM	629	C2'	A B	2	3.688	-4.832	54.253	1.00	0.00	C
ATOM	630	C3'	A B	2	2.526	-3.870	54.074	1.00	0.00	C
ATOM	631	O3'	A B	2	2.612	-2.843	55.060	1.00	0.00	O
ATOM	632	C4'	A B	2	1.307	-4.768	54.282	1.00	0.00	C
ATOM	633	O4'	A B	2	1.747	-5.751	55.272	1.00	0.00	O
ATOM	634	C5'	A B	2	0.799	-5.503	53.064	1.00	0.00	C
ATOM	635	O5'	A B	2	1.917	-5.909	52.235	1.00	0.00	O
ATOM	636	H2	A B	2	4.349	-8.733	59.248	1.00	0.00	H
ATOM	637	H8	A B	2	3.565	-7.466	53.011	1.00	0.00	H
ATOM	638	H1'	A B	2	3.462	-5.436	56.323	1.00	0.00	H

ATOM	639	H3'	A B	2	2.516	-3.419	53.082	1.00	0.00	H
ATOM	640	H4'	A B	2	0.502	-4.129	54.644	1.00	0.00	H
ATOM	641	H61	A B	2	5.292	-12.238	56.590	1.00	0.00	H
ATOM	642	H62	A B	2	5.015	-11.678	54.919	1.00	0.00	H
ATOM	643	H2'1	A B	2	3.918	-5.354	53.324	1.00	0.00	H
ATOM	644	H2'2	A B	2	4.591	-4.308	54.568	1.00	0.00	H
ATOM	645	H5'1	A B	2	0.239	-6.381	53.384	1.00	0.00	H
ATOM	646	H5'2	A B	2	0.141	-4.844	52.498	1.00	0.00	H
ATOM	647	C1'	C B	3	6.343	-4.669	58.979	1.00	0.00	C
ATOM	648	N1	C B	3	6.690	-5.696	57.958	1.00	0.00	N
ATOM	649	C2	C B	3	7.128	-6.940	58.408	1.00	0.00	C
ATOM	650	O2	C B	3	7.209	-7.140	59.627	1.00	0.00	O
ATOM	651	N3	C B	3	7.449	-7.889	57.496	1.00	0.00	N
ATOM	652	C4	C B	3	7.351	-7.643	56.183	1.00	0.00	C
ATOM	653	N4	C B	3	7.676	-8.609	55.334	1.00	0.00	N
ATOM	654	C5	C B	3	6.909	-6.372	55.690	1.00	0.00	C
ATOM	655	C6	C B	3	6.586	-5.431	56.628	1.00	0.00	C
ATOM	656	C2'	C B	3	6.749	-3.255	58.589	1.00	0.00	C
ATOM	657	C3'	C B	3	5.614	-2.426	59.171	1.00	0.00	C
ATOM	658	O3'	C B	3	5.888	-2.159	60.545	1.00	0.00	O
ATOM	659	C4'	C B	3	4.403	-3.337	58.989	1.00	0.00	C
ATOM	660	O4'	C B	3	4.939	-4.689	59.148	1.00	0.00	O
ATOM	661	C5'	C B	3	3.692	-3.252	57.659	1.00	0.00	C
ATOM	662	O5'	C B	3	4.660	-3.044	56.599	1.00	0.00	O
ATOM	663	O1P	C B	3	4.109	-0.739	55.750	1.00	0.00	O
ATOM	664	O2P	C B	3	5.175	-2.418	54.220	1.00	0.00	O
ATOM	665	P	C B	3	4.245	-2.152	55.345	1.00	0.00	P
ATOM	666	H5	C B	3	6.834	-6.163	54.622	1.00	0.00	H
ATOM	667	H6	C B	3	6.237	-4.452	56.303	1.00	0.00	H
ATOM	668	H1'	C B	3	6.800	-4.960	59.925	1.00	0.00	H
ATOM	669	H3'	C B	3	5.483	-1.484	58.639	1.00	0.00	H
ATOM	670	H4'	C B	3	3.686	-3.069	59.765	1.00	0.00	H
ATOM	671	H41	C B	3	7.606	-8.447	54.318	1.00	0.00	H
ATOM	672	H42	C B	3	7.996	-9.522	55.689	1.00	0.00	H
ATOM	673	H2'1	C B	3	6.820	-3.127	57.509	1.00	0.00	H
ATOM	674	H2'2	C B	3	7.711	-2.968	59.017	1.00	0.00	H
ATOM	675	H5'1	C B	3	3.148	-4.180	57.483	1.00	0.00	H
ATOM	676	H5'2	C B	3	2.988	-2.423	57.681	1.00	0.00	H
ATOM	677	C1'	C B	4	10.062	-5.658	62.095	1.00	0.00	C
ATOM	678	N1	C B	4	10.212	-5.905	60.636	1.00	0.00	N
ATOM	679	C2	C B	4	10.659	-7.159	60.227	1.00	0.00	C
ATOM	680	O2	C B	4	10.910	-8.013	61.088	1.00	0.00	O
ATOM	681	N3	C B	4	10.804	-7.403	58.902	1.00	0.00	N
ATOM	682	C4	C B	4	10.524	-6.459	57.994	1.00	0.00	C
ATOM	683	N4	C B	4	10.680	-6.752	56.711	1.00	0.00	N
ATOM	684	C5	C B	4	10.068	-5.157	58.385	1.00	0.00	C
ATOM	685	C6	C B	4	9.925	-4.935	59.726	1.00	0.00	C
ATOM	686	C2'	C B	4	10.466	-4.256	62.528	1.00	0.00	C
ATOM	687	C3'	C B	4	9.463	-3.965	63.634	1.00	0.00	C
ATOM	688	O3'	C B	4	9.945	-4.512	64.858	1.00	0.00	O
ATOM	689	C4'	C B	4	8.201	-4.668	63.144	1.00	0.00	C
ATOM	690	O4'	C B	4	8.697	-5.843	62.424	1.00	0.00	O
ATOM	691	C5'	C B	4	7.307	-3.877	62.216	1.00	0.00	C
ATOM	692	O5'	C B	4	8.117	-3.055	61.339	1.00	0.00	O

ATOM	693	O1P	C B	4	7.543	-0.709	62.045	1.00	0.00	O
ATOM	694	O2P	C B	4	8.303	-1.162	59.698	1.00	0.00	O
ATOM	695	P	C B	4	7.559	-1.630	60.892	1.00	0.00	P
ATOM	696	H5	C B	4	9.847	-4.383	57.650	1.00	0.00	H
ATOM	697	H6	C B	4	9.573	-3.964	60.072	1.00	0.00	H
ATOM	698	H1'	C B	4	10.639	-6.414	62.630	1.00	0.00	H
ATOM	699	H3'	C B	4	9.294	-2.894	63.760	1.00	0.00	H
ATOM	700	H4'	C B	4	7.617	-4.927	64.028	1.00	0.00	H
ATOM	701	H41	C B	4	10.469	-6.045	55.991	1.00	0.00	H
ATOM	702	H42	C B	4	11.010	-7.687	56.431	1.00	0.00	H
ATOM	703	H2'1	C B	4	10.381	-3.533	61.717	1.00	0.00	H
ATOM	704	H2'2	C B	4	11.489	-4.216	62.899	1.00	0.00	H
ATOM	705	H5'1	C B	4	6.704	-4.567	61.625	1.00	0.00	H
ATOM	706	H5'2	C B	4	6.648	-3.244	62.810	1.00	0.00	H
ATOM	707	C1'	G B	5	14.153	-8.060	63.518	1.00	0.00	C
ATOM	708	N1	G B	5	14.798	-8.762	58.506	1.00	0.00	N
ATOM	709	C2	G B	5	14.977	-9.645	59.557	1.00	0.00	C
ATOM	710	N2	G B	5	15.382	-10.877	59.229	1.00	0.00	N
ATOM	711	N3	G B	5	14.765	-9.322	60.832	1.00	0.00	N
ATOM	712	C4	G B	5	14.365	-8.033	60.980	1.00	0.00	C
ATOM	713	C5	G B	5	14.166	-7.081	59.992	1.00	0.00	C
ATOM	714	C6	G B	5	14.385	-7.422	58.639	1.00	0.00	C
ATOM	715	O6	G B	5	14.264	-6.723	57.634	1.00	0.00	O
ATOM	716	N7	G B	5	13.755	-5.874	60.563	1.00	0.00	N
ATOM	717	C8	G B	5	13.717	-6.126	61.847	1.00	0.00	C
ATOM	718	N9	G B	5	14.076	-7.417	62.177	1.00	0.00	N
ATOM	719	C2'	G B	5	14.670	-7.137	64.613	1.00	0.00	C
ATOM	720	C3'	G B	5	13.855	-7.585	65.816	1.00	0.00	C
ATOM	721	O3'	G B	5	14.492	-8.708	66.421	1.00	0.00	O
ATOM	722	C4'	G B	5	12.507	-7.948	65.198	1.00	0.00	C
ATOM	723	O4'	G B	5	12.846	-8.471	63.875	1.00	0.00	O
ATOM	724	C5'	G B	5	11.518	-6.818	65.032	1.00	0.00	C
ATOM	725	O5'	G B	5	12.219	-5.600	64.679	1.00	0.00	O
ATOM	726	O1P	G B	5	11.848	-4.113	66.675	1.00	0.00	O
ATOM	727	O2P	G B	5	12.233	-3.102	64.412	1.00	0.00	O
ATOM	728	P	G B	5	11.657	-4.207	65.215	1.00	0.00	P
ATOM	729	H1	G B	5	14.983	-9.113	57.554	1.00	0.00	H
ATOM	730	H8	G B	5	13.430	-5.384	62.590	1.00	0.00	H
ATOM	731	H1'	G B	5	14.773	-8.952	63.434	1.00	0.00	H
ATOM	732	H21	G B	5	15.540	-11.120	58.240	1.00	0.00	H
ATOM	733	H3'	G B	5	13.747	-6.789	66.555	1.00	0.00	H
ATOM	734	H22	G B	5	15.537	-11.582	59.965	1.00	0.00	H
ATOM	735	H4'	G B	5	12.052	-8.696	65.846	1.00	0.00	H
ATOM	736	H2'1	G B	5	14.495	-6.085	64.383	1.00	0.00	H
ATOM	737	H2'2	G B	5	15.738	-7.261	64.788	1.00	0.00	H
ATOM	738	H5'1	G B	5	10.808	-7.077	64.246	1.00	0.00	H
ATOM	739	H5'2	G B	5	10.978	-6.675	65.969	1.00	0.00	H
ATOM	740	C1'	T B	6	18.303	-10.642	62.735	1.00	0.00	C
ATOM	741	N1	T B	6	18.065	-9.369	62.004	1.00	0.00	N
ATOM	742	C2	T B	6	18.204	-9.396	60.631	1.00	0.00	C
ATOM	743	O2	T B	6	18.509	-10.403	60.018	1.00	0.00	O
ATOM	744	N3	T B	6	17.971	-8.190	59.991	1.00	0.00	N
ATOM	745	C4	T B	6	17.625	-6.997	60.587	1.00	0.00	C
ATOM	746	O4	T B	6	17.445	-5.980	59.909	1.00	0.00	O

ATOM	747	C5	T B	6	17.501	-7.069	62.025	1.00	0.00	C
ATOM	748	C6	T B	6	17.720	-8.225	62.681	1.00	0.00	C
ATOM	749	C7	T B	6	17.123	-5.792	62.715	1.00	0.00	C
ATOM	750	C2'	T B	6	19.009	-10.456	64.073	1.00	0.00	C
ATOM	751	C3'	T B	6	18.356	-11.534	64.926	1.00	0.00	C
ATOM	752	O3'	T B	6	19.026	-12.773	64.709	1.00	0.00	O
ATOM	753	C4'	T B	6	16.920	-11.554	64.408	1.00	0.00	C
ATOM	754	O4'	T B	6	17.046	-11.239	62.985	1.00	0.00	O
ATOM	755	C5'	T B	6	15.964	-10.567	65.039	1.00	0.00	C
ATOM	756	O5'	T B	6	16.659	-9.326	65.325	1.00	0.00	O
ATOM	757	O1P	T B	6	16.639	-9.215	67.838	1.00	0.00	O
ATOM	758	O2P	T B	6	16.739	-7.102	66.489	1.00	0.00	O
ATOM	759	P	T B	6	16.237	-8.491	66.616	1.00	0.00	P
ATOM	760	H3	T B	6	18.067	-8.186	58.966	1.00	0.00	H
ATOM	761	H6	T B	6	17.621	-8.254	63.766	1.00	0.00	H
ATOM	762	H1'	T B	6	18.868	-11.308	62.085	1.00	0.00	H
ATOM	763	H3'	T B	6	18.388	-11.287	65.988	1.00	0.00	H
ATOM	764	H4'	T B	6	16.532	-12.556	64.590	1.00	0.00	H
ATOM	765	H71	T B	6	17.949	-5.461	63.345	1.00	0.00	H
ATOM	766	H72	T B	6	16.905	-5.026	61.970	1.00	0.00	H
ATOM	767	H73	T B	6	16.240	-5.960	63.332	1.00	0.00	H
ATOM	768	H2'1	T B	6	18.847	-9.465	64.492	1.00	0.00	H
ATOM	769	H2'2	T B	6	20.086	-10.610	63.997	1.00	0.00	H
ATOM	770	H5'1	T B	6	15.139	-10.378	64.351	1.00	0.00	H
ATOM	771	H5'2	T B	6	15.572	-10.990	65.962	1.00	0.00	H
ATOM	772	C1'	C B	7	22.183	-12.087	59.992	1.00	0.00	C
ATOM	773	N1	C B	7	21.888	-10.638	60.183	1.00	0.00	N
ATOM	774	C2	C B	7	21.816	-9.833	59.049	1.00	0.00	C
ATOM	775	O2	C B	7	21.995	-10.349	57.937	1.00	0.00	O
ATOM	776	N3	C B	7	21.549	-8.513	59.201	1.00	0.00	N
ATOM	777	C4	C B	7	21.361	-7.983	60.417	1.00	0.00	C
ATOM	778	N4	C B	7	21.101	-6.689	60.507	1.00	0.00	N
ATOM	779	C5	C B	7	21.436	-8.788	61.602	1.00	0.00	C
ATOM	780	C6	C B	7	21.701	-10.116	61.424	1.00	0.00	C
ATOM	781	C2'	C B	7	23.089	-12.675	61.063	1.00	0.00	C
ATOM	782	C3'	C B	7	22.528	-14.080	61.217	1.00	0.00	C
ATOM	783	O3'	C B	7	23.101	-14.925	60.223	1.00	0.00	O
ATOM	784	C4'	C B	7	21.030	-13.872	61.004	1.00	0.00	C
ATOM	785	O4'	C B	7	20.951	-12.783	60.031	1.00	0.00	O
ATOM	786	C5'	C B	7	20.224	-13.487	62.225	1.00	0.00	C
ATOM	787	O5'	C B	7	21.008	-12.609	63.071	1.00	0.00	O
ATOM	788	O1P	C B	7	21.373	-13.979	65.151	1.00	0.00	O
ATOM	789	O2P	C B	7	21.359	-11.475	65.285	1.00	0.00	O
ATOM	790	P	C B	7	20.823	-12.704	64.653	1.00	0.00	P
ATOM	791	H5	C B	7	21.291	-8.359	62.594	1.00	0.00	H
ATOM	792	H6	C B	7	21.759	-10.769	62.295	1.00	0.00	H
ATOM	793	H1'	C B	7	22.612	-12.219	58.999	1.00	0.00	H
ATOM	794	H3'	C B	7	22.730	-14.495	62.206	1.00	0.00	H
ATOM	795	H4'	C B	7	20.630	-14.813	60.626	1.00	0.00	H
ATOM	796	H41	C B	7	20.949	-6.257	61.430	1.00	0.00	H
ATOM	797	H42	C B	7	21.050	-6.111	59.653	1.00	0.00	H
ATOM	798	H2'1	C B	7	23.036	-12.121	62.000	1.00	0.00	H
ATOM	799	H2'2	C B	7	24.135	-12.696	60.754	1.00	0.00	H
ATOM	800	H5'1	C B	7	19.314	-12.978	61.906	1.00	0.00	H

ATOM	801	H5'2	C B	7	19.957	-14.389	62.775	1.00	0.00	H
ATOM	802	C1'	C B	8	25.555	-11.533	56.409	1.00	0.00	C
ATOM	803	N1	C B	8	25.354	-10.469	57.429	1.00	0.00	N
ATOM	804	C2	C B	8	25.149	-9.165	56.982	1.00	0.00	C
ATOM	805	O2	C B	8	25.141	-8.947	55.764	1.00	0.00	O
ATOM	806	N3	C B	8	24.963	-8.182	57.895	1.00	0.00	N
ATOM	807	C4	C B	8	24.978	-8.450	59.208	1.00	0.00	C
ATOM	808	N4	C B	8	24.787	-7.449	60.056	1.00	0.00	N
ATOM	809	C5	C B	8	25.191	-9.780	59.699	1.00	0.00	C
ATOM	810	C6	C B	8	25.371	-10.756	58.759	1.00	0.00	C
ATOM	811	C2'	C B	8	26.585	-12.582	56.809	1.00	0.00	C
ATOM	812	C3'	C B	8	25.993	-13.850	56.214	1.00	0.00	C
ATOM	813	O3'	C B	8	26.380	-13.949	54.845	1.00	0.00	O
ATOM	814	C4'	C B	8	24.491	-13.632	56.376	1.00	0.00	C
ATOM	815	O4'	C B	8	24.315	-12.188	56.220	1.00	0.00	O
ATOM	816	C5'	C B	8	23.890	-14.052	57.696	1.00	0.00	C
ATOM	817	O5'	C B	8	24.825	-13.774	58.771	1.00	0.00	O
ATOM	818	O1P	C B	8	25.433	-16.065	59.619	1.00	0.00	O
ATOM	819	O2P	C B	8	25.544	-14.086	61.157	1.00	0.00	O
ATOM	820	P	C B	8	24.870	-14.760	60.022	1.00	0.00	P
ATOM	821	H5	C B	8	25.212	-10.001	60.766	1.00	0.00	H
ATOM	822	H6	C B	8	25.530	-11.785	59.083	1.00	0.00	H
ATOM	823	H1'	C B	8	25.829	-11.056	55.467	1.00	0.00	H
ATOM	824	H3'	C B	8	26.321	-14.742	56.747	1.00	0.00	H
ATOM	825	H4'	C B	8	24.001	-14.209	55.592	1.00	0.00	H
ATOM	826	H41	C B	8	24.790	-7.628	61.072	1.00	0.00	H
ATOM	827	H42	C B	8	24.636	-6.493	59.702	1.00	0.00	H
ATOM	828	H2'1	C B	8	26.693	-12.663	57.890	1.00	0.00	H
ATOM	829	H2'2	C B	8	27.571	-12.371	56.396	1.00	0.00	H
ATOM	830	H5'1	C B	8	22.965	-13.498	57.862	1.00	0.00	H
ATOM	831	H5'2	C B	8	23.669	-15.117	57.668	1.00	0.00	H
ATOM	832	C1'	T B	9	28.391	-8.893	53.329	1.00	0.00	C
ATOM	833	N1	T B	9	28.383	-8.587	54.784	1.00	0.00	N
ATOM	834	C2	T B	9	28.168	-7.275	55.153	1.00	0.00	C
ATOM	835	O2	T B	9	27.990	-6.384	54.342	1.00	0.00	O
ATOM	836	N3	T B	9	28.167	-7.038	56.514	1.00	0.00	N
ATOM	837	C4	T B	9	28.361	-7.970	57.511	1.00	0.00	C
ATOM	838	O4	T B	9	28.343	-7.636	58.703	1.00	0.00	O
ATOM	839	C5	T B	9	28.576	-9.315	57.030	1.00	0.00	C
ATOM	840	C6	T B	9	28.582	-9.583	55.710	1.00	0.00	C
ATOM	841	C7	T B	9	28.789	-10.362	58.082	1.00	0.00	C
ATOM	842	C2'	T B	9	29.423	-9.939	52.926	1.00	0.00	C
ATOM	843	C3'	T B	9	28.700	-10.686	51.815	1.00	0.00	C
ATOM	844	O3'	T B	9	28.883	-9.988	50.585	1.00	0.00	O
ATOM	845	C4'	T B	9	27.246	-10.665	52.282	1.00	0.00	C
ATOM	846	O4'	T B	9	27.112	-9.388	52.983	1.00	0.00	O
ATOM	847	C5'	T B	9	26.824	-11.777	53.214	1.00	0.00	C
ATOM	848	O5'	T B	9	27.913	-12.102	54.114	1.00	0.00	O
ATOM	849	O1P	T B	9	28.543	-14.443	53.445	1.00	0.00	O
ATOM	850	O2P	T B	9	28.954	-13.656	55.791	1.00	0.00	O
ATOM	851	P	T B	9	28.097	-13.614	54.583	1.00	0.00	P
ATOM	852	H3	T B	9	28.006	-6.066	56.816	1.00	0.00	H
ATOM	853	H6	T B	9	28.748	-10.606	55.370	1.00	0.00	H
ATOM	854	H1'	T B	9	28.547	-7.961	52.785	1.00	0.00	H

ATOM	855	H3'	T B	9	29.065	-11.707	51.709	1.00	0.00	H
ATOM	856	H4'	T B	9	26.626	-10.727	51.386	1.00	0.00	H
ATOM	857	H71	T B	9	29.803	-10.753	58.006	1.00	0.00	H
ATOM	858	H72	T B	9	28.640	-9.923	59.068	1.00	0.00	H
ATOM	859	H73	T B	9	28.076	-11.174	57.935	1.00	0.00	H
ATOM	860	H2'1	T B	9	29.681	-10.603	53.749	1.00	0.00	H
ATOM	861	H2'2	T B	9	30.348	-9.489	52.566	1.00	0.00	H
ATOM	862	H5'1	T B	9	25.956	-11.453	53.788	1.00	0.00	H
ATOM	863	H5'2	T B	9	26.558	-12.653	52.627	1.00	0.00	H
ATOM	864	C1'	A B	10	30.848	-4.809	51.943	1.00	0.00	C
ATOM	865	N1	A B	10	31.004	-3.870	56.986	1.00	0.00	N
ATOM	866	C2	A B	10	30.769	-3.091	55.933	1.00	0.00	C
ATOM	867	N3	A B	10	30.741	-3.400	54.654	1.00	0.00	N
ATOM	868	C4	A B	10	31.003	-4.709	54.484	1.00	0.00	C
ATOM	869	C5	A B	10	31.264	-5.638	55.454	1.00	0.00	C
ATOM	870	C6	A B	10	31.261	-5.172	56.785	1.00	0.00	C
ATOM	871	N6	A B	10	31.501	-5.970	57.841	1.00	0.00	N
ATOM	872	N7	A B	10	31.485	-6.887	54.902	1.00	0.00	N
ATOM	873	C8	A B	10	31.359	-6.689	53.623	1.00	0.00	C
ATOM	874	N9	A B	10	31.063	-5.392	53.294	1.00	0.00	N
ATOM	875	C2'	A B	10	31.762	-5.388	50.873	1.00	0.00	C
ATOM	876	C3'	A B	10	30.855	-5.401	49.651	1.00	0.00	C
ATOM	877	O3'	A B	10	30.888	-4.118	49.031	1.00	0.00	O
ATOM	878	C4'	A B	10	29.485	-5.717	50.250	1.00	0.00	C
ATOM	879	O4'	A B	10	29.510	-5.079	51.566	1.00	0.00	O
ATOM	880	C5'	A B	10	29.154	-7.181	50.428	1.00	0.00	C
ATOM	881	O5'	A B	10	30.345	-7.911	50.815	1.00	0.00	O
ATOM	882	O1P	A B	10	30.768	-9.420	48.844	1.00	0.00	O
ATOM	883	O2P	A B	10	31.548	-10.094	51.133	1.00	0.00	O
ATOM	884	P	A B	10	30.528	-9.410	50.301	1.00	0.00	P
ATOM	885	H2	A B	10	30.572	-2.045	56.164	1.00	0.00	H
ATOM	886	H8	A B	10	31.477	-7.480	52.882	1.00	0.00	H
ATOM	887	H1'	A B	10	30.965	-3.729	52.014	1.00	0.00	H
ATOM	888	H3'	A B	10	31.154	-6.160	48.929	1.00	0.00	H
ATOM	889	H4'	A B	10	28.741	-5.286	49.581	1.00	0.00	H
ATOM	890	H61	A B	10	31.484	-5.579	58.793	1.00	0.00	H
ATOM	891	H62	A B	10	31.700	-6.969	57.696	1.00	0.00	H
ATOM	892	H2'1	A B	10	32.106	-6.392	51.120	1.00	0.00	H
ATOM	893	H2'2	A B	10	32.645	-4.770	50.703	1.00	0.00	H
ATOM	894	H5'1	A B	10	28.392	-7.283	51.202	1.00	0.00	H
ATOM	895	H5'2	A B	10	28.767	-7.576	49.491	1.00	0.00	H
ATOM	896	C1'	G B	11	33.244	-0.552	52.819	1.00	0.00	C
ATOM	897	N1	G B	11	34.178	-2.653	57.372	1.00	0.00	N
ATOM	898	C2	G B	11	33.811	-1.359	57.050	1.00	0.00	C
ATOM	899	N2	G B	11	33.676	-0.511	58.078	1.00	0.00	N
ATOM	900	N3	G B	11	33.594	-0.944	55.803	1.00	0.00	N
ATOM	901	C4	G B	11	33.783	-1.932	54.889	1.00	0.00	C
ATOM	902	C5	G B	11	34.153	-3.246	55.117	1.00	0.00	C
ATOM	903	C6	G B	11	34.379	-3.690	56.440	1.00	0.00	C
ATOM	904	O6	G B	11	34.711	-4.807	56.840	1.00	0.00	O
ATOM	905	N7	G B	11	34.241	-3.940	53.908	1.00	0.00	N
ATOM	906	C8	G B	11	33.926	-3.044	53.007	1.00	0.00	C
ATOM	907	N9	G B	11	33.636	-1.800	53.526	1.00	0.00	N
ATOM	908	C2'	G B	11	33.963	-0.347	51.491	1.00	0.00	C

ATOM	909	C3'	G	B	11	32.883	0.305	50.643	1.00	0.00	C
ATOM	910	O3'	G	B	11	32.877	1.708	50.890	1.00	0.00	O
ATOM	911	C4'	G	B	11	31.607	-0.374	51.137	1.00	0.00	C
ATOM	912	O4'	G	B	11	31.856	-0.621	52.557	1.00	0.00	O
ATOM	913	C5'	G	B	11	31.243	-1.682	50.475	1.00	0.00	C
ATOM	914	O5'	G	B	11	32.447	-2.435	50.182	1.00	0.00	O
ATOM	915	O1P	G	B	11	32.503	-2.489	47.666	1.00	0.00	O
ATOM	916	O2P	G	B	11	33.589	-4.325	48.985	1.00	0.00	O
ATOM	917	P	G	B	11	32.485	-3.341	48.870	1.00	0.00	P
ATOM	918	H1	G	B	11	34.315	-2.875	58.370	1.00	0.00	H
ATOM	919	H8	G	B	11	33.896	-3.263	51.940	1.00	0.00	H
ATOM	920	H1'	G	B	11	33.417	0.291	53.489	1.00	0.00	H
ATOM	921	H21	G	B	11	33.842	-0.841	59.040	1.00	0.00	H
ATOM	922	H3'	G	B	11	33.036	0.126	49.578	1.00	0.00	H
ATOM	923	H22	G	B	11	33.408	0.467	57.906	1.00	0.00	H
ATOM	924	H4'	G	B	11	30.788	0.325	50.963	1.00	0.00	H
ATOM	925	H2'1	G	B	11	34.298	-1.287	51.054	1.00	0.00	H
ATOM	926	H2'2	G	B	11	34.835	0.299	51.589	1.00	0.00	H
ATOM	927	H5'1	G	B	11	30.604	-2.256	51.145	1.00	0.00	H
ATOM	928	H5'2	G	B	11	30.702	-1.477	49.551	1.00	0.00	H
ATOM	929	C1'	G	B	12	35.916	2.569	55.584	1.00	0.00	C
ATOM	930	N1	G	B	12	37.419	-1.702	57.935	1.00	0.00	N
ATOM	931	C2	G	B	12	37.064	-0.474	58.466	1.00	0.00	C
ATOM	932	N2	G	B	12	37.117	-0.371	59.800	1.00	0.00	N
ATOM	933	N3	G	B	12	36.684	0.564	57.726	1.00	0.00	N
ATOM	934	C4	G	B	12	36.697	0.283	56.396	1.00	0.00	C
ATOM	935	C5	G	B	12	37.040	-0.906	55.778	1.00	0.00	C
ATOM	936	C6	G	B	12	37.438	-2.011	56.562	1.00	0.00	C
ATOM	937	O6	G	B	12	37.778	-3.139	56.201	1.00	0.00	O
ATOM	938	N7	G	B	12	36.920	-0.783	54.391	1.00	0.00	N
ATOM	939	C8	G	B	12	36.514	0.448	54.218	1.00	0.00	C
ATOM	940	N9	G	B	12	36.356	1.160	55.389	1.00	0.00	N
ATOM	941	C2'	G	B	12	36.441	3.527	54.524	1.00	0.00	C
ATOM	942	C3'	G	B	12	35.276	4.492	54.364	1.00	0.00	C
ATOM	943	O3'	G	B	12	35.364	5.502	55.366	1.00	0.00	O
ATOM	944	C4'	G	B	12	34.059	3.590	54.561	1.00	0.00	C
ATOM	945	O4'	G	B	12	34.503	2.591	55.533	1.00	0.00	O
ATOM	946	C5'	G	B	12	33.549	2.875	53.333	1.00	0.00	C
ATOM	947	O5'	G	B	12	34.664	2.484	52.494	1.00	0.00	O
ATOM	948	O1P	G	B	12	34.347	3.875	50.420	1.00	0.00	O
ATOM	949	O2P	G	B	12	35.537	1.670	50.282	1.00	0.00	O
ATOM	950	P	G	B	12	34.472	2.489	50.910	1.00	0.00	P
ATOM	951	H1	G	B	12	37.692	-2.446	58.598	1.00	0.00	H
ATOM	952	H8	G	B	12	36.318	0.877	53.235	1.00	0.00	H
ATOM	953	H1'	G	B	12	36.221	2.886	56.582	1.00	0.00	H
ATOM	954	H21	G	B	12	37.407	-1.181	60.368	1.00	0.00	H
ATOM	955	H3'	G	B	12	35.264	4.959	53.380	1.00	0.00	H
ATOM	956	H22	G	B	12	36.867	0.517	60.256	1.00	0.00	H
ATOM	957	H4'	G	B	12	33.254	4.220	54.937	1.00	0.00	H
ATOM	958	H2'1	G	B	12	36.669	3.021	53.586	1.00	0.00	H
ATOM	959	H2'2	G	B	12	37.344	4.046	54.844	1.00	0.00	H
ATOM	960	H5'1	G	B	12	32.990	1.990	53.639	1.00	0.00	H
ATOM	961	H5'2	G	B	12	32.886	3.541	52.779	1.00	0.00	H
ATOM	962	C1'	T	B	13	39.085	3.711	59.212	1.00	0.00	C

ATOM	963	N1	T B	13	39.438	2.670	58.211	1.00	0.00	N
ATOM	964	C2	T B	13	39.869	1.449	58.693	1.00	0.00	C
ATOM	965	O2	T B	13	39.966	1.209	59.884	1.00	0.00	O
ATOM	966	N3	T B	13	40.186	0.512	57.728	1.00	0.00	N
ATOM	967	C4	T B	13	40.115	0.684	56.361	1.00	0.00	C
ATOM	968	O4	T B	13	40.430	-0.232	55.591	1.00	0.00	O
ATOM	969	C5	T B	13	39.653	1.989	55.952	1.00	0.00	C
ATOM	970	C6	T B	13	39.335	2.928	56.866	1.00	0.00	C
ATOM	971	C7	T B	13	39.558	2.219	54.473	1.00	0.00	C
ATOM	972	C2'	T B	13	39.491	5.121	58.802	1.00	0.00	C
ATOM	973	C3'	T B	13	38.352	5.955	59.369	1.00	0.00	C
ATOM	974	O3'	T B	13	38.621	6.244	60.738	1.00	0.00	O
ATOM	975	C4'	T B	13	37.143	5.040	59.196	1.00	0.00	C
ATOM	976	O4'	T B	13	37.681	3.692	59.378	1.00	0.00	O
ATOM	977	C5'	T B	13	36.436	5.103	57.862	1.00	0.00	C
ATOM	978	O5'	T B	13	37.407	5.297	56.803	1.00	0.00	O
ATOM	979	O1P	T B	13	36.857	7.587	55.919	1.00	0.00	O
ATOM	980	O2P	T B	13	37.931	5.888	54.416	1.00	0.00	O
ATOM	981	P	T B	13	36.995	6.169	55.533	1.00	0.00	P
ATOM	982	H3	T B	13	40.507	-0.408	58.063	1.00	0.00	H
ATOM	983	H6	T B	13	38.990	3.907	56.533	1.00	0.00	H
ATOM	984	H1'	T B	13	39.539	3.436	60.165	1.00	0.00	H
ATOM	985	H3'	T B	13	38.221	6.889	58.822	1.00	0.00	H
ATOM	986	H4'	T B	13	36.422	5.320	59.966	1.00	0.00	H
ATOM	987	H71	T B	13	40.280	2.978	54.175	1.00	0.00	H
ATOM	988	H72	T B	13	39.770	1.289	53.945	1.00	0.00	H
ATOM	989	H73	T B	13	38.552	2.558	54.221	1.00	0.00	H
ATOM	990	H2'1	T B	13	39.565	5.231	57.721	1.00	0.00	H
ATOM	991	H2'2	T B	13	40.450	5.417	59.228	1.00	0.00	H
ATOM	992	H5'1	T B	13	35.893	4.173	57.699	1.00	0.00	H
ATOM	993	H5'2	T B	13	35.730	5.934	57.869	1.00	0.00	H
ATOM	994	C1'	G B	14	42.811	2.698	62.334	1.00	0.00	C
ATOM	995	N1	G B	14	44.136	-0.707	58.773	1.00	0.00	N
ATOM	996	C2	G B	14	44.118	-0.826	60.151	1.00	0.00	C
ATOM	997	N2	G B	14	44.504	-2.007	60.647	1.00	0.00	N
ATOM	998	N3	G B	14	43.741	0.156	60.969	1.00	0.00	N
ATOM	999	C4	G B	14	43.389	1.283	60.295	1.00	0.00	C
ATOM	1000	C5	G B	14	43.380	1.494	58.927	1.00	0.00	C
ATOM	1001	C6	G B	14	43.776	0.451	58.058	1.00	0.00	C
ATOM	1002	O6	G B	14	43.836	0.447	56.828	1.00	0.00	O
ATOM	1003	N7	G B	14	42.954	2.793	58.641	1.00	0.00	N
ATOM	1004	C8	G B	14	42.719	3.314	59.817	1.00	0.00	C
ATOM	1005	N9	G B	14	42.961	2.459	60.873	1.00	0.00	N
ATOM	1006	C2'	G B	14	43.210	4.102	62.770	1.00	0.00	C
ATOM	1007	C3'	G B	14	42.210	4.386	63.879	1.00	0.00	C
ATOM	1008	O3'	G B	14	42.696	3.835	65.100	1.00	0.00	O
ATOM	1009	C4'	G B	14	40.949	3.679	63.387	1.00	0.00	C
ATOM	1010	O4'	G B	14	41.449	2.510	62.664	1.00	0.00	O
ATOM	1011	C5'	G B	14	40.052	4.471	62.466	1.00	0.00	C
ATOM	1012	O5'	G B	14	40.856	5.298	61.589	1.00	0.00	O
ATOM	1013	O1P	G B	14	40.277	7.641	62.303	1.00	0.00	O
ATOM	1014	O2P	G B	14	41.034	7.197	59.953	1.00	0.00	O
ATOM	1015	P	G B	14	40.293	6.723	61.148	1.00	0.00	P
ATOM	1016	H1	G B	14	44.438	-1.531	58.229	1.00	0.00	H

ATOM	1017	H8	G B	14	42.363	4.336	59.951	1.00	0.00	H
ATOM	1018	H1'	G B	14	43.392	1.944	62.865	1.00	0.00	H
ATOM	1019	H21	G B	14	44.790	-2.763	60.007	1.00	0.00	H
ATOM	1020	H3'	G B	14	42.037	5.455	64.008	1.00	0.00	H
ATOM	1021	H22	G B	14	44.516	-2.159	61.666	1.00	0.00	H
ATOM	1022	H4'	G B	14	40.368	3.416	64.272	1.00	0.00	H
ATOM	1023	H2'1	G B	14	43.124	4.826	61.961	1.00	0.00	H
ATOM	1024	H2'2	G B	14	44.235	4.144	63.138	1.00	0.00	H
ATOM	1025	H5'1	G B	14	39.450	3.782	61.872	1.00	0.00	H
ATOM	1026	H5'2	G B	14	39.391	5.099	63.063	1.00	0.00	H
ATOM	1027	C1'	C B	15	46.903	0.296	63.756	1.00	0.00	C
ATOM	1028	N1	C B	15	46.827	0.933	62.415	1.00	0.00	N
ATOM	1029	C2	C B	15	47.157	0.159	61.304	1.00	0.00	C
ATOM	1030	O2	C B	15	47.495	-1.019	61.478	1.00	0.00	O
ATOM	1031	N3	C B	15	47.094	0.720	60.072	1.00	0.00	N
ATOM	1032	C4	C B	15	46.725	1.998	59.917	1.00	0.00	C
ATOM	1033	N4	C B	15	46.678	2.495	58.689	1.00	0.00	N
ATOM	1034	C5	C B	15	46.385	2.821	61.041	1.00	0.00	C
ATOM	1035	C6	C B	15	46.450	2.232	62.270	1.00	0.00	C
ATOM	1036	C2'	C B	15	47.423	1.222	64.847	1.00	0.00	C
ATOM	1037	C3'	C B	15	46.606	0.782	66.053	1.00	0.00	C
ATOM	1038	O3'	C B	15	47.240	-0.342	66.663	1.00	0.00	O
ATOM	1039	C4'	C B	15	45.258	0.420	65.436	1.00	0.00	C
ATOM	1040	O4'	C B	15	45.594	-0.109	64.115	1.00	0.00	O
ATOM	1041	C5'	C B	15	44.271	1.552	65.267	1.00	0.00	C
ATOM	1042	O5'	C B	15	44.977	2.766	64.910	1.00	0.00	O
ATOM	1043	O1P	C B	15	44.612	4.263	66.900	1.00	0.00	O
ATOM	1044	O2P	C B	15	44.999	5.265	64.633	1.00	0.00	O
ATOM	1045	P	C B	15	44.420	4.163	65.440	1.00	0.00	P
ATOM	1046	H5	C B	15	46.090	3.863	60.918	1.00	0.00	H
ATOM	1047	H6	C B	15	46.194	2.816	63.156	1.00	0.00	H
ATOM	1048	H1'	C B	15	47.521	-0.599	63.675	1.00	0.00	H
ATOM	1049	H3'	C B	15	46.502	1.580	66.788	1.00	0.00	H
ATOM	1050	H4'	C B	15	44.800	-0.324	66.090	1.00	0.00	H
ATOM	1051	H41	C B	15	46.394	3.475	58.541	1.00	0.00	H
ATOM	1052	H42	C B	15	46.926	1.902	57.882	1.00	0.00	H
ATOM	1053	H2'1	C B	15	47.252	2.272	64.615	1.00	0.00	H
ATOM	1054	H2'2	C B	15	48.492	1.095	65.023	1.00	0.00	H
ATOM	1055	H5'1	C B	15	43.561	1.293	64.482	1.00	0.00	H
ATOM	1056	H5'2	C B	15	43.734	1.702	66.203	1.00	0.00	H
ATOM	1057	C1'	G B	16	51.054	-2.280	62.950	1.00	0.00	C
ATOM	1058	N1	G B	16	50.929	0.029	58.403	1.00	0.00	N
ATOM	1059	C2	G B	16	51.222	-1.285	58.724	1.00	0.00	C
ATOM	1060	N2	G B	16	51.524	-2.089	57.697	1.00	0.00	N
ATOM	1061	N3	G B	16	51.214	-1.756	59.970	1.00	0.00	N
ATOM	1062	C4	G B	16	50.893	-0.802	60.882	1.00	0.00	C
ATOM	1063	C5	G B	16	50.591	0.530	60.655	1.00	0.00	C
ATOM	1064	C6	G B	16	50.595	1.032	59.332	1.00	0.00	C
ATOM	1065	O6	G B	16	50.355	2.172	58.935	1.00	0.00	O
ATOM	1066	N7	G B	16	50.320	1.176	61.863	1.00	0.00	N
ATOM	1067	C8	G B	16	50.459	0.236	62.763	1.00	0.00	C
ATOM	1068	N9	G B	16	50.809	-0.994	62.244	1.00	0.00	N
ATOM	1069	C2'	G B	16	51.764	-2.120	64.287	1.00	0.00	C
ATOM	1070	C3'	G B	16	51.117	-3.212	65.123	1.00	0.00	C

ATOM	1071	O3'	G B	16	51.787	-4.446	64.881	1.00	0.00	O
ATOM	1072	C4'	G B	16	49.678	-3.226	64.610	1.00	0.00	C
ATOM	1073	O4'	G B	16	49.798	-2.885	63.192	1.00	0.00	O
ATOM	1074	C5'	G B	16	48.724	-2.254	65.262	1.00	0.00	C
ATOM	1075	O5'	G B	16	49.415	-1.018	65.569	1.00	0.00	O
ATOM	1076	O1P	G B	16	49.404	-0.952	68.085	1.00	0.00	O
ATOM	1077	O2P	G B	16	49.495	1.184	66.775	1.00	0.00	O
ATOM	1078	P	G B	16	48.997	-0.209	66.878	1.00	0.00	P
ATOM	1079	H1	G B	16	50.956	0.292	57.406	1.00	0.00	H
ATOM	1080	H8	G B	16	50.313	0.410	63.828	1.00	0.00	H
ATOM	1081	H1'	G B	16	51.618	-2.934	62.284	1.00	0.00	H
ATOM	1082	H21	G B	16	51.524	-1.717	56.736	1.00	0.00	H
ATOM	1083	H3'	G B	16	51.152	-2.985	66.189	1.00	0.00	H
ATOM	1084	H22	G B	16	51.753	-3.077	57.870	1.00	0.00	H
ATOM	1085	H4'	G B	16	49.293	-4.232	64.775	1.00	0.00	H
ATOM	1086	H2'1	G B	16	51.601	-1.134	64.726	1.00	0.00	H
ATOM	1087	H2'2	G B	16	52.841	-2.268	64.204	1.00	0.00	H
ATOM	1088	H5'1	G B	16	47.896	-2.054	64.582	1.00	0.00	H
ATOM	1089	H5'2	G B	16	48.335	-2.696	66.180	1.00	0.00	H
ATOM	1090	C1'	G B	17	54.932	-3.728	60.231	1.00	0.00	C
ATOM	1091	N1	G B	17	54.237	0.750	57.886	1.00	0.00	N
ATOM	1092	C2	G B	17	54.519	-0.497	57.356	1.00	0.00	C
ATOM	1093	N2	G B	17	54.633	-0.558	56.024	1.00	0.00	N
ATOM	1094	N3	G B	17	54.674	-1.593	58.094	1.00	0.00	N
ATOM	1095	C4	G B	17	54.532	-1.345	59.422	1.00	0.00	C
ATOM	1096	C5	G B	17	54.255	-0.138	60.042	1.00	0.00	C
ATOM	1097	C6	G B	17	54.086	1.025	59.259	1.00	0.00	C
ATOM	1098	O6	G B	17	53.838	2.176	59.621	1.00	0.00	O
ATOM	1099	N7	G B	17	54.190	-0.310	61.427	1.00	0.00	N
ATOM	1100	C8	G B	17	54.421	-1.585	61.599	1.00	0.00	C
ATOM	1101	N9	G B	17	54.640	-2.282	60.428	1.00	0.00	N
ATOM	1102	C2'	G B	17	55.836	-4.322	61.302	1.00	0.00	C
ATOM	1103	C3'	G B	17	55.274	-5.727	61.449	1.00	0.00	C
ATOM	1104	O3'	G B	17	55.850	-6.569	60.453	1.00	0.00	O
ATOM	1105	C4'	G B	17	53.776	-5.518	61.233	1.00	0.00	C
ATOM	1106	O4'	G B	17	53.702	-4.425	60.263	1.00	0.00	O
ATOM	1107	C5'	G B	17	52.969	-5.139	62.452	1.00	0.00	C
ATOM	1108	O5'	G B	17	53.749	-4.264	63.304	1.00	0.00	O
ATOM	1109	O1P	G B	17	54.109	-5.644	65.379	1.00	0.00	O
ATOM	1110	O2P	G B	17	54.096	-3.139	65.526	1.00	0.00	O
ATOM	1111	P	G B	17	53.561	-4.367	64.886	1.00	0.00	P
ATOM	1112	H1	G B	17	54.129	1.535	57.225	1.00	0.00	H
ATOM	1113	H8	G B	17	54.441	-2.058	62.580	1.00	0.00	H
ATOM	1114	H1'	G B	17	55.363	-3.857	59.240	1.00	0.00	H
ATOM	1115	H21	G B	17	54.508	0.294	55.456	1.00	0.00	H
ATOM	1116	H3'	G B	17	55.474	-6.146	62.436	1.00	0.00	H
ATOM	1117	H22	G B	17	54.845	-1.457	55.566	1.00	0.00	H
ATOM	1118	H4'	G B	17	53.377	-6.456	60.849	1.00	0.00	H
ATOM	1119	H2'1	G B	17	55.781	-3.772	62.243	1.00	0.00	H
ATOM	1120	H2'2	G B	17	56.881	-4.342	60.996	1.00	0.00	H
ATOM	1121	H5'1	G B	17	52.059	-4.629	62.135	1.00	0.00	H
ATOM	1122	H5'2	G B	17	52.700	-6.043	62.999	1.00	0.00	H
ATOM	1123	C1'	C B	18	58.305	-3.176	56.647	1.00	0.00	C
ATOM	1124	N1	C B	18	58.103	-2.111	57.669	1.00	0.00	N

ATOM	1125	C2	C B	18	57.898	-0.808	57.220	1.00	0.00	C
ATOM	1126	O2	C B	18	57.889	-0.591	56.002	1.00	0.00	O
ATOM	1127	N3	C B	18	57.713	0.174	58.135	1.00	0.00	N
ATOM	1128	C4	C B	18	57.727	-0.094	59.446	1.00	0.00	C
ATOM	1129	N4	C B	18	57.538	0.905	60.295	1.00	0.00	N
ATOM	1130	C5	C B	18	57.940	-1.423	59.934	1.00	0.00	C
ATOM	1131	C6	C B	18	58.121	-2.397	58.997	1.00	0.00	C
ATOM	1132	C2'	C B	18	59.335	-4.224	57.047	1.00	0.00	C
ATOM	1133	C3'	C B	18	58.743	-5.493	56.453	1.00	0.00	C
ATOM	1134	O3'	C B	18	59.129	-5.592	55.084	1.00	0.00	O
ATOM	1135	C4'	C B	18	57.241	-5.275	56.614	1.00	0.00	C
ATOM	1136	O4'	C B	18	57.064	-3.830	56.459	1.00	0.00	O
ATOM	1137	C5'	C B	18	56.639	-5.695	57.935	1.00	0.00	C
ATOM	1138	O5'	C B	18	57.574	-5.417	59.009	1.00	0.00	O
ATOM	1139	O1P	C B	18	58.183	-7.708	59.858	1.00	0.00	O
ATOM	1140	O2P	C B	18	58.294	-5.728	61.397	1.00	0.00	O
ATOM	1141	P	C B	18	57.619	-6.403	60.261	1.00	0.00	P
ATOM	1142	H5	C B	18	57.955	-1.646	61.001	1.00	0.00	H
ATOM	1143	H6	C B	18	58.282	-3.424	59.321	1.00	0.00	H
ATOM	1144	H1'	C B	18	58.579	-2.698	55.707	1.00	0.00	H
ATOM	1145	H3'	C B	18	59.071	-6.384	56.986	1.00	0.00	H
ATOM	1146	H4'	C B	18	56.750	-5.851	55.830	1.00	0.00	H
ATOM	1147	H41	C B	18	57.544	0.726	61.310	1.00	0.00	H
ATOM	1148	H42	C B	18	57.386	1.861	59.941	1.00	0.00	H
ATOM	1149	H2'1	C B	18	59.442	-4.306	58.128	1.00	0.00	H
ATOM	1150	H2'2	C B	18	60.321	-4.013	56.635	1.00	0.00	H
ATOM	1151	H5'1	C B	18	55.715	-5.141	58.101	1.00	0.00	H
ATOM	1152	H5'2	C B	18	56.419	-6.761	57.906	1.00	0.00	H
ATOM	1153	C1'	C B	19	61.137	-0.515	53.577	1.00	0.00	C
ATOM	1154	N1	C B	19	61.131	-0.232	55.038	1.00	0.00	N
ATOM	1155	C2	C B	19	60.915	1.083	55.449	1.00	0.00	C
ATOM	1156	O2	C B	19	60.738	1.955	54.588	1.00	0.00	O
ATOM	1157	N3	C B	19	60.907	1.360	56.775	1.00	0.00	N
ATOM	1158	C4	C B	19	61.104	0.393	57.681	1.00	0.00	C
ATOM	1159	N4	C B	19	61.084	0.719	58.963	1.00	0.00	N
ATOM	1160	C5	C B	19	61.329	-0.964	57.286	1.00	0.00	C
ATOM	1161	C6	C B	19	61.331	-1.221	55.948	1.00	0.00	C
ATOM	1162	C2'	C B	19	62.169	-1.550	53.157	1.00	0.00	C
ATOM	1163	C3'	C B	19	61.445	-2.283	52.037	1.00	0.00	C
ATOM	1164	O3'	C B	19	61.622	-1.566	50.818	1.00	0.00	O
ATOM	1165	C4'	C B	19	59.992	-2.271	52.507	1.00	0.00	C
ATOM	1166	O4'	C B	19	59.856	-1.007	53.230	1.00	0.00	O
ATOM	1167	C5'	C B	19	59.575	-3.398	53.425	1.00	0.00	C
ATOM	1168	O5'	C B	19	60.667	-3.735	54.317	1.00	0.00	O
ATOM	1169	O1P	C B	19	61.298	-6.066	53.611	1.00	0.00	O
ATOM	1170	O2P	C B	19	61.715	-5.313	55.967	1.00	0.00	O
ATOM	1171	P	C B	19	60.855	-5.254	54.760	1.00	0.00	P
ATOM	1172	H5	C B	19	61.491	-1.754	58.020	1.00	0.00	H
ATOM	1173	H6	C B	19	61.497	-2.241	55.600	1.00	0.00	H
ATOM	1174	H1'	C B	19	61.290	0.427	53.049	1.00	0.00	H
ATOM	1175	H3'	C B	19	61.809	-3.303	51.914	1.00	0.00	H
ATOM	1176	H4'	C B	19	59.368	-2.322	51.615	1.00	0.00	H
ATOM	1177	H41	C B	19	61.230	-0.004	59.682	1.00	0.00	H
ATOM	1178	H42	C B	19	60.922	1.698	59.244	1.00	0.00	H

ATOM	1179	H2'1	C B	19	62.431	-2.229	53.968	1.00	0.00	H
ATOM	1180	H2'2	C B	19	63.092	-1.094	52.800	1.00	0.00	H
ATOM	1181	H5'1	C B	19	58.707	-3.084	54.005	1.00	0.00	H
ATOM	1182	H5'2	C B	19	59.308	-4.267	52.825	1.00	0.00	H
ATOM	1183	C1'	T B	20	63.597	3.547	52.182	1.00	0.00	C
ATOM	1184	N1	T B	20	63.815	2.968	53.534	1.00	0.00	N
ATOM	1185	C2	T B	20	63.712	3.825	54.610	1.00	0.00	C
ATOM	1186	O2	T B	20	63.453	5.010	54.489	1.00	0.00	O
ATOM	1187	N3	T B	20	63.922	3.244	55.847	1.00	0.00	N
ATOM	1188	C4	T B	20	64.218	1.922	56.094	1.00	0.00	C
ATOM	1189	O4	T B	20	64.388	1.517	57.251	1.00	0.00	O
ATOM	1190	C5	T B	20	64.305	1.104	54.909	1.00	0.00	C
ATOM	1191	C6	T B	20	64.107	1.635	53.686	1.00	0.00	C
ATOM	1192	C7	T B	20	64.626	-0.343	55.130	1.00	0.00	C
ATOM	1193	C2'	T B	20	64.515	2.970	51.111	1.00	0.00	C
ATOM	1194	C3'	T B	20	63.607	2.952	49.891	1.00	0.00	C
ATOM	1195	O3'	T B	20	63.636	4.234	49.266	1.00	0.00	O
ATOM	1196	C4'	T B	20	62.239	2.631	50.489	1.00	0.00	C
ATOM	1197	O4'	T B	20	62.262	3.273	51.804	1.00	0.00	O
ATOM	1198	C5'	T B	20	61.912	1.168	50.672	1.00	0.00	C
ATOM	1199	O5'	T B	20	63.107	0.443	51.058	1.00	0.00	O
ATOM	1200	O1P	T B	20	63.534	-1.067	49.091	1.00	0.00	O
ATOM	1201	O2P	T B	20	64.317	-1.735	51.379	1.00	0.00	O
ATOM	1202	P	T B	20	63.294	-1.056	50.548	1.00	0.00	P
ATOM	1203	H3	T B	20	63.849	3.862	56.667	1.00	0.00	H
ATOM	1204	H6	T B	20	64.178	0.997	52.805	1.00	0.00	H
ATOM	1205	H1'	T B	20	63.710	4.629	52.250	1.00	0.00	H
ATOM	1206	H3'	T B	20	63.908	2.194	49.169	1.00	0.00	H
ATOM	1207	H4'	T B	20	61.492	3.058	49.819	1.00	0.00	H
ATOM	1208	H3T	T B	20	64.512	4.566	49.057	1.00	0.00	H
ATOM	1209	H71	T B	20	65.601	-0.571	54.702	1.00	0.00	H
ATOM	1210	H72	T B	20	64.643	-0.552	56.202	1.00	0.00	H
ATOM	1211	H73	T B	20	63.866	-0.963	54.653	1.00	0.00	H
ATOM	1212	H2'1	T B	20	64.863	1.969	51.362	1.00	0.00	H
ATOM	1213	H2'2	T B	20	65.394	3.590	50.942	1.00	0.00	H
ATOM	1214	H5'1	T B	20	61.151	1.064	51.445	1.00	0.00	H
ATOM	1215	H5'2	T B	20	61.526	0.769	49.734	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	50.456	-8.847	25.503	1.00	0.00	C
ATOM	2	N1	A A	1	51.349	-13.844	26.259	1.00	0.00	N
ATOM	3	C2	A A	1	50.684	-13.184	25.317	1.00	0.00	C
ATOM	4	N3	A A	1	50.494	-11.889	25.180	1.00	0.00	N
ATOM	5	C4	A A	1	51.089	-11.221	26.184	1.00	0.00	C
ATOM	6	C5	A A	1	51.804	-11.746	27.224	1.00	0.00	C
ATOM	7	C6	A A	1	51.933	-13.152	27.248	1.00	0.00	C
ATOM	8	N6	A A	1	52.607	-13.809	28.208	1.00	0.00	N
ATOM	9	N7	A A	1	52.267	-10.751	28.066	1.00	0.00	N
ATOM	10	C8	A A	1	51.825	-9.655	27.524	1.00	0.00	C
ATOM	11	N9	A A	1	51.101	-9.860	26.378	1.00	0.00	N
ATOM	12	C2'	A A	1	49.840	-7.683	26.265	1.00	0.00	C
ATOM	13	C3'	A A	1	50.098	-6.517	25.322	1.00	0.00	C
ATOM	14	O3'	A A	1	49.061	-6.466	24.345	1.00	0.00	O
ATOM	15	C4'	A A	1	51.453	-6.868	24.709	1.00	0.00	C
ATOM	16	O4'	A A	1	51.447	-8.330	24.637	1.00	0.00	O

ATOM	17	C5'	A A	1	52.674	-6.427	25.482	1.00	0.00	C
ATOM	18	O5'	A A	1	52.423	-6.546	26.906	1.00	0.00	O
ATOM	19	H2	A A	1	50.230	-13.804	24.544	1.00	0.00	H
ATOM	20	H8	A A	1	52.011	-8.664	27.941	1.00	0.00	H
ATOM	21	H1'	A A	1	49.708	-9.353	24.892	1.00	0.00	H
ATOM	22	H3'	A A	1	50.141	-5.564	25.853	1.00	0.00	H
ATOM	23	H4'	A A	1	51.489	-6.393	23.730	1.00	0.00	H
ATOM	24	H61	A A	1	52.672	-14.834	28.180	1.00	0.00	H
ATOM	25	H62	A A	1	53.058	-13.283	28.970	1.00	0.00	H
ATOM	26	H5T	A A	1	52.822	-5.906	27.499	1.00	0.00	H
ATOM	27	H2'1	A A	1	50.315	-7.523	27.232	1.00	0.00	H
ATOM	28	H2'2	A A	1	48.773	-7.820	26.441	1.00	0.00	H
ATOM	29	H5'1	A A	1	53.519	-7.056	25.204	1.00	0.00	H
ATOM	30	H5'2	A A	1	52.900	-5.392	25.233	1.00	0.00	H
ATOM	31	C1'	G A	2	46.336	-11.481	24.630	1.00	0.00	C
ATOM	32	N1	G A	2	48.471	-14.845	27.815	1.00	0.00	N
ATOM	33	C2	G A	2	47.804	-15.053	26.624	1.00	0.00	C
ATOM	34	N2	G A	2	47.689	-16.325	26.227	1.00	0.00	N
ATOM	35	N3	G A	2	47.294	-14.069	25.884	1.00	0.00	N
ATOM	36	C4	G A	2	47.498	-12.846	26.439	1.00	0.00	C
ATOM	37	C5	G A	2	48.148	-12.543	27.625	1.00	0.00	C
ATOM	38	C6	G A	2	48.694	-13.588	28.407	1.00	0.00	C
ATOM	39	O6	G A	2	49.303	-13.520	29.477	1.00	0.00	O
ATOM	40	N7	G A	2	48.141	-11.163	27.841	1.00	0.00	N
ATOM	41	C8	G A	2	47.505	-10.685	26.802	1.00	0.00	C
ATOM	42	N9	G A	2	47.082	-11.645	25.907	1.00	0.00	N
ATOM	43	C2'	G A	2	45.279	-10.386	24.674	1.00	0.00	C
ATOM	44	C3'	G A	2	45.352	-9.818	23.267	1.00	0.00	C
ATOM	45	O3'	G A	2	44.540	-10.608	22.399	1.00	0.00	O
ATOM	46	C4'	G A	2	46.838	-9.931	22.931	1.00	0.00	C
ATOM	47	O4'	G A	2	47.273	-11.143	23.625	1.00	0.00	O
ATOM	48	C5'	G A	2	47.714	-8.781	23.368	1.00	0.00	C
ATOM	49	O5'	G A	2	47.255	-8.273	24.644	1.00	0.00	O
ATOM	50	O1P	G A	2	46.447	-5.954	24.091	1.00	0.00	O
ATOM	51	O2P	G A	2	47.275	-6.475	26.401	1.00	0.00	O
ATOM	52	P	G A	2	47.386	-6.712	24.940	1.00	0.00	P
ATOM	53	H1	G A	2	48.831	-15.674	28.310	1.00	0.00	H
ATOM	54	H8	G A	2	47.325	-9.620	26.657	1.00	0.00	H
ATOM	55	H1'	G A	2	45.893	-12.441	24.368	1.00	0.00	H
ATOM	56	H21	G A	2	48.087	-17.081	26.803	1.00	0.00	H
ATOM	57	H3'	G A	2	45.017	-8.780	23.227	1.00	0.00	H
ATOM	58	H22	G A	2	47.201	-16.547	25.348	1.00	0.00	H
ATOM	59	H4'	G A	2	46.912	-10.013	21.847	1.00	0.00	H
ATOM	60	H2'1	G A	2	45.503	-9.625	25.421	1.00	0.00	H
ATOM	61	H2'2	G A	2	44.286	-10.779	24.893	1.00	0.00	H
ATOM	62	H5'1	G A	2	48.742	-9.130	23.458	1.00	0.00	H
ATOM	63	H5'2	G A	2	47.669	-7.992	22.617	1.00	0.00	H
ATOM	64	C1'	G A	3	43.354	-15.397	25.175	1.00	0.00	C
ATOM	65	N1	G A	3	45.771	-15.905	29.637	1.00	0.00	N
ATOM	66	C2	G A	3	45.411	-16.863	28.710	1.00	0.00	C
ATOM	67	N2	G A	3	45.735	-18.127	29.012	1.00	0.00	N
ATOM	68	N3	G A	3	44.779	-16.586	27.573	1.00	0.00	N
ATOM	69	C4	G A	3	44.523	-15.259	27.433	1.00	0.00	C
ATOM	70	C5	G A	3	44.842	-14.231	28.307	1.00	0.00	C

ATOM	71	C6	G A	3	45.518	-14.526	29.513	1.00	0.00	C
ATOM	72	O6	G A	3	45.884	-13.760	30.405	1.00	0.00	O
ATOM	73	N7	G A	3	44.404	-13.009	27.794	1.00	0.00	N
ATOM	74	C8	G A	3	43.849	-13.325	26.653	1.00	0.00	C
ATOM	75	N9	G A	3	43.881	-14.674	26.364	1.00	0.00	N
ATOM	76	C2'	G A	3	42.038	-14.840	24.652	1.00	0.00	C
ATOM	77	C3'	G A	3	42.188	-15.023	23.152	1.00	0.00	C
ATOM	78	O3'	G A	3	41.803	-16.349	22.799	1.00	0.00	O
ATOM	79	C4'	G A	3	43.680	-14.777	22.927	1.00	0.00	C
ATOM	80	O4'	G A	3	44.315	-15.286	24.142	1.00	0.00	O
ATOM	81	C5'	G A	3	44.100	-13.339	22.729	1.00	0.00	C
ATOM	82	O5'	G A	3	43.299	-12.472	23.568	1.00	0.00	O
ATOM	83	O1P	G A	3	41.971	-11.120	21.912	1.00	0.00	O
ATOM	84	O2P	G A	3	42.496	-10.171	24.173	1.00	0.00	O
ATOM	85	P	G A	3	42.923	-11.017	23.033	1.00	0.00	P
ATOM	86	H1	G A	3	46.263	-16.224	30.485	1.00	0.00	H
ATOM	87	H8	G A	3	43.400	-12.589	25.988	1.00	0.00	H
ATOM	88	H1'	G A	3	43.258	-16.452	25.431	1.00	0.00	H
ATOM	89	H21	G A	3	46.228	-18.335	29.893	1.00	0.00	H
ATOM	90	H3'	G A	3	41.584	-14.310	22.590	1.00	0.00	H
ATOM	91	H22	G A	3	45.493	-18.889	28.365	1.00	0.00	H
ATOM	92	H4'	G A	3	43.963	-15.332	22.033	1.00	0.00	H
ATOM	93	H2'1	G A	3	41.900	-13.791	24.912	1.00	0.00	H
ATOM	94	H2'2	G A	3	41.176	-15.389	25.034	1.00	0.00	H
ATOM	95	H5'1	G A	3	45.153	-13.236	22.988	1.00	0.00	H
ATOM	96	H5'2	G A	3	43.964	-13.069	21.682	1.00	0.00	H
ATOM	97	C1'	C A	4	41.571	-19.326	27.607	1.00	0.00	C
ATOM	98	N1	C A	4	41.656	-17.997	28.275	1.00	0.00	N
ATOM	99	C2	C A	4	42.288	-17.931	29.516	1.00	0.00	C
ATOM	100	O2	C A	4	42.748	-18.968	30.008	1.00	0.00	O
ATOM	101	N3	C A	4	42.376	-16.731	30.139	1.00	0.00	N
ATOM	102	C4	C A	4	41.866	-15.626	29.581	1.00	0.00	C
ATOM	103	N4	C A	4	41.983	-14.479	30.235	1.00	0.00	N
ATOM	104	C5	C A	4	41.209	-15.667	28.309	1.00	0.00	C
ATOM	105	C6	C A	4	41.135	-16.883	27.697	1.00	0.00	C
ATOM	106	C2'	C A	4	40.260	-19.559	26.871	1.00	0.00	C
ATOM	107	C3'	C A	4	40.713	-20.366	25.663	1.00	0.00	C
ATOM	108	O3'	C A	4	40.792	-21.744	26.025	1.00	0.00	O
ATOM	109	C4'	C A	4	42.085	-19.772	25.354	1.00	0.00	C
ATOM	110	O4'	C A	4	42.623	-19.401	26.663	1.00	0.00	O
ATOM	111	C5'	C A	4	42.103	-18.553	24.462	1.00	0.00	C
ATOM	112	O5'	C A	4	40.952	-17.719	24.750	1.00	0.00	O
ATOM	113	O1P	C A	4	39.597	-17.842	22.632	1.00	0.00	O
ATOM	114	O2P	C A	4	39.430	-15.824	24.113	1.00	0.00	O
ATOM	115	P	C A	4	40.273	-16.910	23.555	1.00	0.00	P
ATOM	116	H5	C A	4	40.788	-14.769	27.853	1.00	0.00	H
ATOM	117	H6	C A	4	40.649	-16.964	26.725	1.00	0.00	H
ATOM	118	H1'	C A	4	41.740	-20.096	28.360	1.00	0.00	H
ATOM	119	H3'	C A	4	40.034	-20.253	24.820	1.00	0.00	H
ATOM	120	H4'	C A	4	42.665	-20.553	24.861	1.00	0.00	H
ATOM	121	H41	C A	4	41.601	-13.613	29.826	1.00	0.00	H
ATOM	122	H42	C A	4	42.454	-14.452	31.150	1.00	0.00	H
ATOM	123	H2'1	C A	4	39.784	-18.628	26.568	1.00	0.00	H
ATOM	124	H2'2	C A	4	39.540	-20.115	27.474	1.00	0.00	H

ATOM	125	H5'1	C	A	4	43.019	-17.991	24.639	1.00	0.00	H
ATOM	126	H5'2	C	A	4	42.074	-18.872	23.419	1.00	0.00	H
ATOM	127	C1'	C	A	5	40.590	-21.964	31.683	1.00	0.00	C
ATOM	128	N1	C	A	5	40.173	-20.537	31.587	1.00	0.00	N
ATOM	129	C2	C	A	5	40.533	-19.683	32.626	1.00	0.00	C
ATOM	130	O2	C	A	5	41.178	-20.137	33.580	1.00	0.00	O
ATOM	131	N3	C	A	5	40.162	-18.379	32.558	1.00	0.00	N
ATOM	132	C4	C	A	5	39.464	-17.916	31.515	1.00	0.00	C
ATOM	133	N4	C	A	5	39.132	-16.635	31.497	1.00	0.00	N
ATOM	134	C5	C	A	5	39.079	-18.774	30.433	1.00	0.00	C
ATOM	135	C6	C	A	5	39.466	-20.079	30.521	1.00	0.00	C
ATOM	136	C2'	C	A	5	39.551	-22.943	31.157	1.00	0.00	C
ATOM	137	C3'	C	A	5	40.420	-24.020	30.529	1.00	0.00	C
ATOM	138	O3'	C	A	5	40.825	-24.944	31.537	1.00	0.00	O
ATOM	139	C4'	C	A	5	41.596	-23.224	29.968	1.00	0.00	C
ATOM	140	O4'	C	A	5	41.768	-22.120	30.912	1.00	0.00	O
ATOM	141	C5'	C	A	5	41.419	-22.651	28.581	1.00	0.00	C
ATOM	142	O5'	C	A	5	40.046	-22.220	28.400	1.00	0.00	O
ATOM	143	O1P	C	A	5	39.176	-23.781	26.629	1.00	0.00	O
ATOM	144	O2P	C	A	5	38.182	-21.492	26.882	1.00	0.00	O
ATOM	145	P	C	A	5	39.384	-22.358	26.956	1.00	0.00	P
ATOM	146	H5	C	A	5	38.507	-18.403	29.582	1.00	0.00	H
ATOM	147	H6	C	A	5	39.200	-20.770	29.720	1.00	0.00	H
ATOM	148	H1'	C	A	5	40.839	-22.176	32.723	1.00	0.00	H
ATOM	149	H3'	C	A	5	39.896	-24.558	29.737	1.00	0.00	H
ATOM	150	H4'	C	A	5	42.452	-23.899	29.941	1.00	0.00	H
ATOM	151	H41	C	A	5	38.595	-16.251	30.706	1.00	0.00	H
ATOM	152	H42	C	A	5	39.407	-16.019	32.278	1.00	0.00	H
ATOM	153	H2'1	C	A	5	38.888	-22.489	30.422	1.00	0.00	H
ATOM	154	H2'2	C	A	5	38.926	-23.351	31.955	1.00	0.00	H
ATOM	155	H5'1	C	A	5	42.091	-21.801	28.456	1.00	0.00	H
ATOM	156	H5'2	C	A	5	41.667	-23.415	27.846	1.00	0.00	H
ATOM	157	C1'	G	A	6	39.709	-22.501	36.527	1.00	0.00	C
ATOM	158	N1	G	A	6	38.103	-17.670	36.195	1.00	0.00	N
ATOM	159	C2	G	A	6	38.880	-18.283	37.162	1.00	0.00	C
ATOM	160	N2	G	A	6	39.278	-17.507	38.178	1.00	0.00	N
ATOM	161	N3	G	A	6	39.228	-19.568	37.120	1.00	0.00	N
ATOM	162	C4	G	A	6	38.730	-20.202	36.026	1.00	0.00	C
ATOM	163	C5	G	A	6	37.948	-19.674	35.014	1.00	0.00	C
ATOM	164	C6	G	A	6	37.580	-18.310	35.056	1.00	0.00	C
ATOM	165	O6	G	A	6	36.896	-17.665	34.260	1.00	0.00	O
ATOM	166	N7	G	A	6	37.644	-20.660	34.073	1.00	0.00	N
ATOM	167	C8	G	A	6	38.242	-21.729	34.530	1.00	0.00	C
ATOM	168	N9	G	A	6	38.923	-21.531	35.715	1.00	0.00	N
ATOM	169	C2'	G	A	6	39.107	-23.899	36.563	1.00	0.00	C
ATOM	170	C3'	G	A	6	40.347	-24.778	36.577	1.00	0.00	C
ATOM	171	O3'	G	A	6	40.813	-24.911	37.917	1.00	0.00	O
ATOM	172	C4'	G	A	6	41.326	-24.000	35.699	1.00	0.00	C
ATOM	173	O4'	G	A	6	40.999	-22.597	35.953	1.00	0.00	O
ATOM	174	C5'	G	A	6	41.241	-24.253	34.212	1.00	0.00	C
ATOM	175	O5'	G	A	6	39.860	-24.455	33.825	1.00	0.00	O
ATOM	176	O1P	G	A	6	39.807	-26.860	33.087	1.00	0.00	O
ATOM	177	O2P	G	A	6	38.167	-25.218	32.132	1.00	0.00	O
ATOM	178	P	G	A	6	39.534	-25.480	32.647	1.00	0.00	P

ATOM	179	H1	G A	6	37.895	-16.667	36.318	1.00	0.00	H
ATOM	180	H8	G A	6	38.207	-22.693	34.025	1.00	0.00	H
ATOM	181	H1'	G A	6	39.817	-22.095	37.533	1.00	0.00	H
ATOM	182	H21	G A	6	39.008	-16.514	38.203	1.00	0.00	H
ATOM	183	H3'	G A	6	40.151	-25.769	36.163	1.00	0.00	H
ATOM	184	H22	G A	6	39.856	-17.905	38.933	1.00	0.00	H
ATOM	185	H4'	G A	6	42.328	-24.269	36.027	1.00	0.00	H
ATOM	186	H2'1	G A	6	38.484	-24.105	35.691	1.00	0.00	H
ATOM	187	H2'2	G A	6	38.493	-24.062	37.449	1.00	0.00	H
ATOM	188	H5'1	G A	6	41.653	-23.397	33.678	1.00	0.00	H
ATOM	189	H5'2	G A	6	41.826	-25.141	33.967	1.00	0.00	H
ATOM	190	C1'	C A	7	38.186	-20.934	40.971	1.00	0.00	C
ATOM	191	N1	C A	7	37.310	-20.788	39.777	1.00	0.00	N
ATOM	192	C2	C A	7	36.770	-19.531	39.515	1.00	0.00	C
ATOM	193	O2	C A	7	37.038	-18.594	40.279	1.00	0.00	O
ATOM	194	N3	C A	7	35.969	-19.375	38.432	1.00	0.00	N
ATOM	195	C4	C A	7	35.696	-20.408	37.624	1.00	0.00	C
ATOM	196	N4	C A	7	34.908	-20.199	36.579	1.00	0.00	N
ATOM	197	C5	C A	7	36.234	-21.714	37.871	1.00	0.00	C
ATOM	198	C6	C A	7	37.041	-21.845	38.965	1.00	0.00	C
ATOM	199	C2'	C A	7	38.008	-22.255	41.706	1.00	0.00	C
ATOM	200	C3'	C A	7	39.425	-22.556	42.168	1.00	0.00	C
ATOM	201	O3'	C A	7	39.671	-21.872	43.395	1.00	0.00	O
ATOM	202	C4'	C A	7	40.278	-22.014	41.023	1.00	0.00	C
ATOM	203	O4'	C A	7	39.529	-20.857	40.530	1.00	0.00	O
ATOM	204	C5'	C A	7	40.526	-22.955	39.867	1.00	0.00	C
ATOM	205	O5'	C A	7	39.345	-23.761	39.628	1.00	0.00	O
ATOM	206	O1P	C A	7	40.102	-26.092	40.204	1.00	0.00	O
ATOM	207	O2P	C A	7	38.254	-25.746	38.543	1.00	0.00	O
ATOM	208	P	C A	7	39.529	-25.262	39.124	1.00	0.00	P
ATOM	209	H5	C A	7	36.010	-22.560	37.221	1.00	0.00	H
ATOM	210	H6	C A	7	37.481	-22.818	39.191	1.00	0.00	H
ATOM	211	H1'	C A	7	38.002	-20.090	41.635	1.00	0.00	H
ATOM	212	H3'	C A	7	39.590	-23.625	42.310	1.00	0.00	H
ATOM	213	H4'	C A	7	41.245	-21.746	41.448	1.00	0.00	H
ATOM	214	H41	C A	7	34.686	-20.976	35.940	1.00	0.00	H
ATOM	215	H42	C A	7	34.521	-19.261	36.404	1.00	0.00	H
ATOM	216	H2'1	C A	7	37.628	-23.043	41.055	1.00	0.00	H
ATOM	217	H2'2	C A	7	37.323	-22.171	42.550	1.00	0.00	H
ATOM	218	H5'1	C A	7	40.762	-22.373	38.975	1.00	0.00	H
ATOM	219	H5'2	C A	7	41.370	-23.601	40.106	1.00	0.00	H
ATOM	220	C1'	A A	8	35.541	-18.068	44.019	1.00	0.00	C
ATOM	221	N1	A A	8	32.398	-17.661	39.981	1.00	0.00	N
ATOM	222	C2	A A	8	32.848	-16.773	40.863	1.00	0.00	C
ATOM	223	N3	A A	8	33.662	-16.944	41.883	1.00	0.00	N
ATOM	224	C4	A A	8	34.035	-18.235	41.967	1.00	0.00	C
ATOM	225	C5	A A	8	33.666	-19.264	41.148	1.00	0.00	C
ATOM	226	C6	A A	8	32.790	-18.940	40.090	1.00	0.00	C
ATOM	227	N6	A A	8	32.341	-19.845	39.205	1.00	0.00	N
ATOM	228	N7	A A	8	34.251	-20.454	41.543	1.00	0.00	N
ATOM	229	C8	A A	8	34.954	-20.124	42.588	1.00	0.00	C
ATOM	230	N9	A A	8	34.873	-18.791	42.904	1.00	0.00	N
ATOM	231	C2'	A A	8	35.623	-18.873	45.310	1.00	0.00	C
ATOM	232	C3'	A A	8	36.968	-18.435	45.869	1.00	0.00	C

ATOM	233	O3'	A A	8	36.797	-17.222	46.599	1.00	0.00	O
ATOM	234	C4'	A A	8	37.813	-18.238	44.612	1.00	0.00	C
ATOM	235	O4'	A A	8	36.858	-17.763	43.607	1.00	0.00	O
ATOM	236	C5'	A A	8	38.512	-19.465	44.076	1.00	0.00	C
ATOM	237	O5'	A A	8	37.667	-20.629	44.256	1.00	0.00	O
ATOM	238	O1P	A A	8	38.947	-22.025	45.913	1.00	0.00	O
ATOM	239	O2P	A A	8	37.387	-23.126	44.285	1.00	0.00	O
ATOM	240	P	A A	8	38.355	-22.035	44.563	1.00	0.00	P
ATOM	241	H2	A A	8	32.491	-15.754	40.720	1.00	0.00	H
ATOM	242	H8	A A	8	35.549	-20.835	43.157	1.00	0.00	H
ATOM	243	H1'	A A	8	35.014	-17.128	44.178	1.00	0.00	H
ATOM	244	H3'	A A	8	37.404	-19.190	46.522	1.00	0.00	H
ATOM	245	H4'	A A	8	38.576	-17.500	44.856	1.00	0.00	H
ATOM	246	H61	A A	8	31.705	-19.556	38.449	1.00	0.00	H
ATOM	247	H62	A A	8	32.636	-20.830	39.284	1.00	0.00	H
ATOM	248	H2'1	A A	8	35.600	-19.947	45.129	1.00	0.00	H
ATOM	249	H2'2	A A	8	34.811	-18.635	45.996	1.00	0.00	H
ATOM	250	H5'1	A A	8	38.719	-19.321	43.014	1.00	0.00	H
ATOM	251	H5'2	A A	8	39.450	-19.605	44.609	1.00	0.00	H
ATOM	252	C1'	C A	9	31.666	-15.172	45.142	1.00	0.00	C
ATOM	253	N1	C A	9	31.451	-16.523	44.556	1.00	0.00	N
ATOM	254	C2	C A	9	30.622	-16.629	43.442	1.00	0.00	C
ATOM	255	O2	C A	9	30.102	-15.601	42.987	1.00	0.00	O
ATOM	256	N3	C A	9	30.414	-17.850	42.893	1.00	0.00	N
ATOM	257	C4	C A	9	30.991	-18.943	43.410	1.00	0.00	C
ATOM	258	N4	C A	9	30.755	-20.112	42.831	1.00	0.00	N
ATOM	259	C5	C A	9	31.845	-18.867	44.559	1.00	0.00	C
ATOM	260	C6	C A	9	32.045	-17.625	45.092	1.00	0.00	C
ATOM	261	C2'	C A	9	31.740	-15.167	46.662	1.00	0.00	C
ATOM	262	C3'	C A	9	32.777	-14.083	46.926	1.00	0.00	C
ATOM	263	O3'	C A	9	32.135	-12.811	46.921	1.00	0.00	O
ATOM	264	C4'	C A	9	33.743	-14.247	45.755	1.00	0.00	C
ATOM	265	O4'	C A	9	32.895	-14.677	44.643	1.00	0.00	O
ATOM	266	C5'	C A	9	34.851	-15.259	45.934	1.00	0.00	C
ATOM	267	O5'	C A	9	34.359	-16.397	46.687	1.00	0.00	O
ATOM	268	O1P	C A	9	35.663	-16.283	48.836	1.00	0.00	O
ATOM	269	O2P	C A	9	34.810	-18.490	48.003	1.00	0.00	O
ATOM	270	P	C A	9	35.353	-17.148	47.682	1.00	0.00	P
ATOM	271	H5	C A	9	32.313	-19.756	44.986	1.00	0.00	H
ATOM	272	H6	C A	9	32.692	-17.516	45.961	1.00	0.00	H
ATOM	273	H1'	C A	9	30.871	-14.516	44.787	1.00	0.00	H
ATOM	274	H3'	C A	9	33.285	-14.230	47.879	1.00	0.00	H
ATOM	275	H4'	C A	9	34.206	-13.275	45.588	1.00	0.00	H
ATOM	276	H41	C A	9	31.189	-20.969	43.206	1.00	0.00	H
ATOM	277	H42	C A	9	30.139	-20.164	42.007	1.00	0.00	H
ATOM	278	H2'1	C A	9	32.060	-16.127	47.065	1.00	0.00	H
ATOM	279	H2'2	C A	9	30.782	-14.921	47.122	1.00	0.00	H
ATOM	280	H5'1	C A	9	35.200	-15.587	44.955	1.00	0.00	H
ATOM	281	H5'2	C A	9	35.678	-14.792	46.470	1.00	0.00	H
ATOM	282	C1'	C A	10	27.004	-13.577	44.642	1.00	0.00	C
ATOM	283	N1	C A	10	27.292	-15.026	44.821	1.00	0.00	N
ATOM	284	C2	C A	10	26.735	-15.918	43.906	1.00	0.00	C
ATOM	285	O2	C A	10	26.031	-15.473	42.989	1.00	0.00	O
ATOM	286	N3	C A	10	26.985	-17.242	44.049	1.00	0.00	N

ATOM	287	C4	C A	10	27.751	-17.694	45.052	1.00	0.00	C
ATOM	288	N4	C A	10	27.965	-18.998	45.143	1.00	0.00	N
ATOM	289	C5	C A	10	28.333	-16.800	46.009	1.00	0.00	C
ATOM	290	C6	C A	10	28.073	-15.469	45.841	1.00	0.00	C
ATOM	291	C2'	C A	10	26.808	-12.825	45.952	1.00	0.00	C
ATOM	292	C3'	C A	10	27.428	-11.471	45.636	1.00	0.00	C
ATOM	293	O3'	C A	10	26.460	-10.654	44.985	1.00	0.00	O
ATOM	294	C4'	C A	10	28.590	-11.837	44.715	1.00	0.00	C
ATOM	295	O4'	C A	10	28.108	-12.998	43.967	1.00	0.00	O
ATOM	296	C5'	C A	10	29.892	-12.203	45.389	1.00	0.00	C
ATOM	297	O5'	C A	10	29.622	-12.936	46.611	1.00	0.00	O
ATOM	298	O1P	C A	10	30.442	-11.385	48.414	1.00	0.00	O
ATOM	299	O2P	C A	10	30.415	-13.862	48.807	1.00	0.00	O
ATOM	300	P	C A	10	30.600	-12.741	47.854	1.00	0.00	P
ATOM	301	H5	C A	10	28.953	-17.163	46.830	1.00	0.00	H
ATOM	302	H6	C A	10	28.499	-14.750	46.540	1.00	0.00	H
ATOM	303	H1'	C A	10	26.130	-13.479	43.999	1.00	0.00	H
ATOM	304	H3'	C A	10	27.781	-10.966	46.535	1.00	0.00	H
ATOM	305	H4'	C A	10	28.776	-10.969	44.082	1.00	0.00	H
ATOM	306	H41	C A	10	28.552	-19.372	45.903	1.00	0.00	H
ATOM	307	H42	C A	10	27.543	-19.639	44.455	1.00	0.00	H
ATOM	308	H2'1	C A	10	27.314	-13.306	46.786	1.00	0.00	H
ATOM	309	H2'2	C A	10	25.754	-12.726	46.217	1.00	0.00	H
ATOM	310	H5'1	C A	10	30.484	-12.820	44.712	1.00	0.00	H
ATOM	311	H5'2	C A	10	30.443	-11.292	45.619	1.00	0.00	H
ATOM	312	C1'	T A	11	22.244	-14.056	43.375	1.00	0.00	C
ATOM	313	N1	T A	11	22.889	-15.070	44.251	1.00	0.00	N
ATOM	314	C2	T A	11	22.758	-16.394	43.883	1.00	0.00	C
ATOM	315	O2	T A	11	22.145	-16.746	42.890	1.00	0.00	O
ATOM	316	N3	T A	11	23.373	-17.304	44.724	1.00	0.00	N
ATOM	317	C4	T A	11	24.085	-17.012	45.869	1.00	0.00	C
ATOM	318	O4	T A	11	24.591	-17.916	46.548	1.00	0.00	O
ATOM	319	C5	T A	11	24.167	-15.602	46.172	1.00	0.00	C
ATOM	320	C6	T A	11	23.581	-14.689	45.375	1.00	0.00	C
ATOM	321	C7	T A	11	24.934	-15.239	47.409	1.00	0.00	C
ATOM	322	C2'	T A	11	21.627	-12.890	44.138	1.00	0.00	C
ATOM	323	C3'	T A	11	21.888	-11.723	43.200	1.00	0.00	C
ATOM	324	O3'	T A	11	20.854	-11.669	42.219	1.00	0.00	O
ATOM	325	C4'	T A	11	23.243	-12.073	42.591	1.00	0.00	C
ATOM	326	O4'	T A	11	23.237	-13.534	42.513	1.00	0.00	O
ATOM	327	C5'	T A	11	24.463	-11.635	43.368	1.00	0.00	C
ATOM	328	O5'	T A	11	24.207	-11.756	44.790	1.00	0.00	O
ATOM	329	O1P	T A	11	24.243	-9.372	45.594	1.00	0.00	O
ATOM	330	O2P	T A	11	24.845	-11.235	47.164	1.00	0.00	O
ATOM	331	P	T A	11	24.866	-10.697	45.782	1.00	0.00	P
ATOM	332	H3	T A	11	23.293	-18.298	44.470	1.00	0.00	H
ATOM	333	H6	T A	11	23.656	-13.629	45.623	1.00	0.00	H
ATOM	334	H1'	T A	11	21.496	-14.558	42.761	1.00	0.00	H
ATOM	335	H3'	T A	11	21.928	-10.773	43.732	1.00	0.00	H
ATOM	336	H4'	T A	11	23.284	-11.595	41.611	1.00	0.00	H
ATOM	337	H71	T A	11	24.257	-14.805	48.142	1.00	0.00	H
ATOM	338	H72	T A	11	25.395	-16.136	47.826	1.00	0.00	H
ATOM	339	H73	T A	11	25.711	-14.518	47.157	1.00	0.00	H
ATOM	340	H2'1	T A	11	22.098	-12.733	45.106	1.00	0.00	H

ATOM	341	H2'2	T	A	11	20.559	-13.029	44.312	1.00	0.00	H
ATOM	342	H5'1	T	A	11	25.309	-12.263	43.090	1.00	0.00	H
ATOM	343	H5'2	T	A	11	24.690	-10.598	43.122	1.00	0.00	H
ATOM	344	C1'	A	A	12	18.117	-16.667	42.493	1.00	0.00	C
ATOM	345	N1	A	A	12	20.257	-20.073	45.680	1.00	0.00	N
ATOM	346	C2	A	A	12	19.606	-20.204	44.529	1.00	0.00	C
ATOM	347	N3	A	A	12	19.080	-19.280	43.753	1.00	0.00	N
ATOM	348	C4	A	A	12	19.275	-18.061	44.287	1.00	0.00	C
ATOM	349	C5	A	A	12	19.916	-17.755	45.453	1.00	0.00	C
ATOM	350	C6	A	A	12	20.436	-18.842	46.187	1.00	0.00	C
ATOM	351	N6	A	A	12	21.091	-18.695	47.352	1.00	0.00	N
ATOM	352	N7	A	A	12	19.922	-16.390	45.678	1.00	0.00	N
ATOM	353	C8	A	A	12	19.285	-15.902	44.654	1.00	0.00	C
ATOM	354	N9	A	A	12	18.864	-16.858	43.765	1.00	0.00	N
ATOM	355	C2'	A	A	12	17.071	-15.563	42.557	1.00	0.00	C
ATOM	356	C3'	A	A	12	17.145	-14.975	41.156	1.00	0.00	C
ATOM	357	O3'	A	A	12	16.324	-15.745	40.281	1.00	0.00	O
ATOM	358	C4'	A	A	12	18.629	-15.098	40.812	1.00	0.00	C
ATOM	359	O4'	A	A	12	19.055	-16.324	41.491	1.00	0.00	O
ATOM	360	C5'	A	A	12	19.517	-13.963	41.264	1.00	0.00	C
ATOM	361	O5'	A	A	12	19.067	-13.467	42.550	1.00	0.00	O
ATOM	362	O1P	A	A	12	18.279	-11.133	42.032	1.00	0.00	O
ATOM	363	O2P	A	A	12	19.109	-11.696	44.332	1.00	0.00	O
ATOM	364	P	A	A	12	19.214	-11.912	42.868	1.00	0.00	P
ATOM	365	H2	A	A	12	19.492	-21.229	44.176	1.00	0.00	H
ATOM	366	H8	A	A	12	19.102	-14.836	44.514	1.00	0.00	H
ATOM	367	H1'	A	A	12	17.664	-17.619	42.217	1.00	0.00	H
ATOM	368	H3'	A	A	12	16.820	-13.935	41.130	1.00	0.00	H
ATOM	369	H4'	A	A	12	18.697	-15.164	39.727	1.00	0.00	H
ATOM	370	H61	A	A	12	21.453	-19.522	47.847	1.00	0.00	H
ATOM	371	H62	A	A	12	21.231	-17.754	47.748	1.00	0.00	H
ATOM	372	H2'1	A	A	12	17.304	-14.814	43.313	1.00	0.00	H
ATOM	373	H2'2	A	A	12	16.075	-15.949	42.773	1.00	0.00	H
ATOM	374	H5'1	A	A	12	20.542	-14.323	41.347	1.00	0.00	H
ATOM	375	H5'2	A	A	12	19.478	-13.162	40.526	1.00	0.00	H
ATOM	376	C1'	G	A	13	15.143	-20.604	43.048	1.00	0.00	C
ATOM	377	N1	G	A	13	17.561	-21.111	47.511	1.00	0.00	N
ATOM	378	C2	G	A	13	17.200	-22.071	46.583	1.00	0.00	C
ATOM	379	N2	G	A	13	17.523	-23.337	46.885	1.00	0.00	N
ATOM	380	N3	G	A	13	16.567	-21.793	45.445	1.00	0.00	N
ATOM	381	C4	G	A	13	16.311	-20.465	45.307	1.00	0.00	C
ATOM	382	C5	G	A	13	16.631	-19.439	46.179	1.00	0.00	C
ATOM	383	C6	G	A	13	17.307	-19.733	47.387	1.00	0.00	C
ATOM	384	O6	G	A	13	17.670	-18.966	48.279	1.00	0.00	O
ATOM	385	N7	G	A	13	16.192	-18.216	45.668	1.00	0.00	N
ATOM	386	C8	G	A	13	15.637	-18.532	44.526	1.00	0.00	C
ATOM	387	N9	G	A	13	15.671	-19.881	44.238	1.00	0.00	N
ATOM	388	C2'	G	A	13	13.827	-20.047	42.524	1.00	0.00	C
ATOM	389	C3'	G	A	13	13.977	-20.229	41.024	1.00	0.00	C
ATOM	390	O3'	G	A	13	13.592	-21.555	40.672	1.00	0.00	O
ATOM	391	C4'	G	A	13	15.468	-19.983	40.799	1.00	0.00	C
ATOM	392	O4'	G	A	13	16.104	-20.493	42.016	1.00	0.00	O
ATOM	393	C5'	G	A	13	15.889	-18.546	40.602	1.00	0.00	C
ATOM	394	O5'	G	A	13	15.088	-17.680	41.442	1.00	0.00	O

ATOM	395	O1P	G A	13	13.760	-16.327	39.785	1.00	0.00	O
ATOM	396	O2P	G A	13	14.284	-15.376	42.047	1.00	0.00	O
ATOM	397	P	G A	13	14.712	-16.224	40.907	1.00	0.00	P
ATOM	398	H1	G A	13	18.056	-21.431	48.358	1.00	0.00	H
ATOM	399	H8	G A	13	15.188	-17.795	43.860	1.00	0.00	H
ATOM	400	H1'	G A	13	15.047	-21.659	43.305	1.00	0.00	H
ATOM	401	H21	G A	13	18.016	-23.543	47.767	1.00	0.00	H
ATOM	402	H3'	G A	13	13.373	-19.516	40.462	1.00	0.00	H
ATOM	403	H22	G A	13	17.279	-24.096	46.237	1.00	0.00	H
ATOM	404	H4'	G A	13	15.751	-20.540	39.907	1.00	0.00	H
ATOM	405	H2'1	G A	13	13.689	-18.998	42.785	1.00	0.00	H
ATOM	406	H2'2	G A	13	12.964	-20.595	42.907	1.00	0.00	H
ATOM	407	H5'1	G A	13	16.942	-18.442	40.862	1.00	0.00	H
ATOM	408	H5'2	G A	13	15.752	-18.275	39.555	1.00	0.00	H
ATOM	409	C1'	G A	14	13.360	-24.532	45.481	1.00	0.00	C
ATOM	410	N1	G A	14	15.002	-22.013	49.603	1.00	0.00	N
ATOM	411	C2	G A	14	15.099	-23.356	49.285	1.00	0.00	C
ATOM	412	N2	G A	14	15.712	-24.133	50.187	1.00	0.00	N
ATOM	413	N3	G A	14	14.622	-23.883	48.158	1.00	0.00	N
ATOM	414	C4	G A	14	14.027	-22.953	47.367	1.00	0.00	C
ATOM	415	C5	G A	14	13.882	-21.597	47.602	1.00	0.00	C
ATOM	416	C6	G A	14	14.390	-21.036	48.795	1.00	0.00	C
ATOM	417	O6	G A	14	14.359	-19.867	49.179	1.00	0.00	O
ATOM	418	N7	G A	14	13.206	-20.993	46.537	1.00	0.00	N
ATOM	419	C8	G A	14	12.974	-21.979	45.710	1.00	0.00	C
ATOM	420	N9	G A	14	13.442	-23.201	46.145	1.00	0.00	N
ATOM	421	C2'	G A	14	12.051	-24.768	44.740	1.00	0.00	C
ATOM	422	C3'	G A	14	12.509	-25.580	43.538	1.00	0.00	C
ATOM	423	O3'	G A	14	12.586	-26.956	43.903	1.00	0.00	O
ATOM	424	C4'	G A	14	13.881	-24.985	43.230	1.00	0.00	C
ATOM	425	O4'	G A	14	14.414	-24.609	44.541	1.00	0.00	O
ATOM	426	C5'	G A	14	13.901	-23.769	42.335	1.00	0.00	C
ATOM	427	O5'	G A	14	12.751	-22.934	42.615	1.00	0.00	O
ATOM	428	O1P	G A	14	11.403	-23.065	40.495	1.00	0.00	O
ATOM	429	O2P	G A	14	11.229	-21.042	41.966	1.00	0.00	O
ATOM	430	P	G A	14	12.075	-22.130	41.416	1.00	0.00	P
ATOM	431	H1	G A	14	15.412	-21.705	50.498	1.00	0.00	H
ATOM	432	H8	G A	14	12.456	-21.846	44.760	1.00	0.00	H
ATOM	433	H1'	G A	14	13.526	-25.299	46.236	1.00	0.00	H
ATOM	434	H21	G A	14	16.082	-23.718	51.056	1.00	0.00	H
ATOM	435	H3'	G A	14	11.833	-25.468	42.690	1.00	0.00	H
ATOM	436	H22	G A	14	15.815	-25.142	50.013	1.00	0.00	H
ATOM	437	H4'	G A	14	14.464	-25.768	42.744	1.00	0.00	H
ATOM	438	H2'1	G A	14	11.576	-23.837	44.432	1.00	0.00	H
ATOM	439	H2'2	G A	14	11.330	-25.322	45.341	1.00	0.00	H
ATOM	440	H5'1	G A	14	14.818	-23.207	42.513	1.00	0.00	H
ATOM	441	H5'2	G A	14	13.877	-24.092	41.293	1.00	0.00	H
ATOM	442	C1'	A A	15	12.375	-27.187	49.540	1.00	0.00	C
ATOM	443	N1	A A	15	12.495	-22.613	51.865	1.00	0.00	N
ATOM	444	C2	A A	15	12.982	-23.805	52.200	1.00	0.00	C
ATOM	445	N3	A A	15	12.917	-24.949	51.551	1.00	0.00	N
ATOM	446	C4	A A	15	12.240	-24.791	50.398	1.00	0.00	C
ATOM	447	C5	A A	15	11.680	-23.643	49.912	1.00	0.00	C
ATOM	448	C6	A A	15	11.825	-22.487	50.708	1.00	0.00	C

ATOM	449	N6	A	A	15	11.327	-21.289	50.360	1.00	0.00	N
ATOM	450	N7	A	A	15	11.064	-23.864	48.693	1.00	0.00	N
ATOM	451	C8	A	A	15	11.258	-25.130	48.471	1.00	0.00	C
ATOM	452	N9	A	A	15	11.968	-25.759	49.463	1.00	0.00	N
ATOM	453	C2'	A	A	15	11.328	-28.154	49.001	1.00	0.00	C
ATOM	454	C3'	A	A	15	12.190	-29.230	48.360	1.00	0.00	C
ATOM	455	O3'	A	A	15	12.587	-30.166	49.358	1.00	0.00	O
ATOM	456	C4'	A	A	15	13.374	-28.435	47.811	1.00	0.00	C
ATOM	457	O4'	A	A	15	13.552	-27.343	48.771	1.00	0.00	O
ATOM	458	C5'	A	A	15	13.205	-27.843	46.432	1.00	0.00	C
ATOM	459	O5'	A	A	15	11.836	-27.400	46.253	1.00	0.00	O
ATOM	460	O1P	A	A	15	10.956	-28.934	44.461	1.00	0.00	O
ATOM	461	O2P	A	A	15	9.978	-26.640	44.741	1.00	0.00	O
ATOM	462	P	A	A	15	11.173	-27.515	44.807	1.00	0.00	P
ATOM	463	H2	A	A	15	13.512	-23.840	53.153	1.00	0.00	H
ATOM	464	H8	A	A	15	10.894	-25.645	47.583	1.00	0.00	H
ATOM	465	H1'	A	A	15	12.620	-27.416	50.577	1.00	0.00	H
ATOM	466	H3'	A	A	15	11.665	-29.754	47.561	1.00	0.00	H
ATOM	467	H4'	A	A	15	14.225	-29.116	47.780	1.00	0.00	H
ATOM	468	H61	A	A	15	11.465	-20.476	50.978	1.00	0.00	H
ATOM	469	H62	A	A	15	10.810	-21.184	49.474	1.00	0.00	H
ATOM	470	H2'1	A	A	15	10.671	-27.684	48.269	1.00	0.00	H
ATOM	471	H2'2	A	A	15	10.701	-28.567	49.790	1.00	0.00	H
ATOM	472	H5'1	A	A	15	13.883	-26.998	46.320	1.00	0.00	H
ATOM	473	H5'2	A	A	15	13.446	-28.599	45.686	1.00	0.00	H
ATOM	474	C1'	C	A	16	11.498	-27.707	54.400	1.00	0.00	C
ATOM	475	N1	C	A	16	10.714	-26.733	53.594	1.00	0.00	N
ATOM	476	C2	C	A	16	10.625	-25.423	54.058	1.00	0.00	C
ATOM	477	O2	C	A	16	11.196	-25.125	55.115	1.00	0.00	O
ATOM	478	N3	C	A	16	9.915	-24.520	53.338	1.00	0.00	N
ATOM	479	C4	C	A	16	9.306	-24.874	52.199	1.00	0.00	C
ATOM	480	N4	C	A	16	8.630	-23.948	51.534	1.00	0.00	N
ATOM	481	C5	C	A	16	9.377	-26.215	51.698	1.00	0.00	C
ATOM	482	C6	C	A	16	10.101	-27.108	52.437	1.00	0.00	C
ATOM	483	C2'	C	A	16	10.891	-29.103	54.438	1.00	0.00	C
ATOM	484	C3'	C	A	16	12.129	-29.987	54.445	1.00	0.00	C
ATOM	485	O3'	C	A	16	12.598	-30.124	55.784	1.00	0.00	O
ATOM	486	C4'	C	A	16	13.107	-29.210	53.567	1.00	0.00	C
ATOM	487	O4'	C	A	16	12.787	-27.806	53.822	1.00	0.00	O
ATOM	488	C5'	C	A	16	13.017	-29.463	52.079	1.00	0.00	C
ATOM	489	O5'	C	A	16	11.633	-29.659	51.697	1.00	0.00	O
ATOM	490	O1P	C	A	16	11.568	-32.063	50.953	1.00	0.00	O
ATOM	491	O2P	C	A	16	9.933	-30.413	50.007	1.00	0.00	O
ATOM	492	P	C	A	16	11.300	-30.679	50.517	1.00	0.00	P
ATOM	493	H5	C	A	16	8.877	-26.509	50.774	1.00	0.00	H
ATOM	494	H6	C	A	16	10.191	-28.137	52.093	1.00	0.00	H
ATOM	495	H1'	C	A	16	11.612	-27.304	55.407	1.00	0.00	H
ATOM	496	H3'	C	A	16	11.925	-30.975	54.030	1.00	0.00	H
ATOM	497	H4'	C	A	16	14.110	-29.486	53.889	1.00	0.00	H
ATOM	498	H41	C	A	16	8.154	-24.194	50.652	1.00	0.00	H
ATOM	499	H42	C	A	16	8.578	-22.985	51.896	1.00	0.00	H
ATOM	500	H2'1	C	A	16	10.265	-29.306	53.567	1.00	0.00	H
ATOM	501	H2'2	C	A	16	10.281	-29.266	55.326	1.00	0.00	H
ATOM	502	H5'1	C	A	16	13.430	-28.605	51.546	1.00	0.00	H

ATOM	503	H5'2	C	A	16	13.599	-30.351	51.831	1.00	0.00	H
ATOM	504	C1'	G	A	17	9.974	-26.141	58.843	1.00	0.00	C
ATOM	505	N1	G	A	17	7.137	-22.906	56.102	1.00	0.00	N
ATOM	506	C2	G	A	17	7.875	-22.686	57.252	1.00	0.00	C
ATOM	507	N2	G	A	17	7.850	-21.438	57.739	1.00	0.00	N
ATOM	508	N3	G	A	17	8.578	-23.634	57.869	1.00	0.00	N
ATOM	509	C4	G	A	17	8.483	-24.837	57.244	1.00	0.00	C
ATOM	510	C5	G	A	17	7.770	-25.152	56.098	1.00	0.00	C
ATOM	511	C6	G	A	17	7.025	-24.145	55.440	1.00	0.00	C
ATOM	512	O6	G	A	17	6.337	-24.226	54.423	1.00	0.00	O
ATOM	513	N7	G	A	17	7.931	-26.502	55.784	1.00	0.00	N
ATOM	514	C8	G	A	17	8.722	-26.953	56.724	1.00	0.00	C
ATOM	515	N9	G	A	17	9.099	-26.000	57.650	1.00	0.00	N
ATOM	516	C2'	G	A	17	9.801	-27.462	59.580	1.00	0.00	C
ATOM	517	C3'	G	A	17	11.218	-27.756	60.043	1.00	0.00	C
ATOM	518	O3'	G	A	17	11.461	-27.071	61.270	1.00	0.00	O
ATOM	519	C4'	G	A	17	12.070	-27.211	58.898	1.00	0.00	C
ATOM	520	O4'	G	A	17	11.318	-26.059	58.406	1.00	0.00	O
ATOM	521	C5'	G	A	17	12.324	-28.153	57.745	1.00	0.00	C
ATOM	522	O5'	G	A	17	11.147	-28.963	57.505	1.00	0.00	O
ATOM	523	O1P	G	A	17	11.916	-31.289	58.084	1.00	0.00	O
ATOM	524	O2P	G	A	17	10.068	-30.956	56.419	1.00	0.00	O
ATOM	525	P	G	A	17	11.341	-30.465	57.004	1.00	0.00	P
ATOM	526	H1	G	A	17	6.633	-22.102	55.701	1.00	0.00	H
ATOM	527	H8	G	A	17	9.052	-27.991	56.774	1.00	0.00	H
ATOM	528	H1'	G	A	17	9.785	-25.297	59.507	1.00	0.00	H
ATOM	529	H21	G	A	17	7.307	-20.710	57.254	1.00	0.00	H
ATOM	530	H3'	G	A	17	11.389	-28.825	60.186	1.00	0.00	H
ATOM	531	H22	G	A	17	8.376	-21.209	58.593	1.00	0.00	H
ATOM	532	H4'	G	A	17	13.035	-26.939	59.324	1.00	0.00	H
ATOM	533	H2'1	G	A	17	9.425	-28.252	58.928	1.00	0.00	H
ATOM	534	H2'2	G	A	17	9.115	-27.380	60.423	1.00	0.00	H
ATOM	535	H5'1	G	A	17	12.560	-27.571	56.853	1.00	0.00	H
ATOM	536	H5'2	G	A	17	13.172	-28.793	57.986	1.00	0.00	H
ATOM	537	C1'	G	A	18	7.314	-23.266	61.874	1.00	0.00	C
ATOM	538	N1	G	A	18	4.195	-22.889	57.855	1.00	0.00	N
ATOM	539	C2	G	A	18	4.625	-21.915	58.740	1.00	0.00	C
ATOM	540	N2	G	A	18	4.160	-20.676	58.527	1.00	0.00	N
ATOM	541	N3	G	A	18	5.452	-22.158	59.754	1.00	0.00	N
ATOM	542	C4	G	A	18	5.816	-23.466	59.825	1.00	0.00	C
ATOM	543	C5	G	A	18	5.434	-24.504	58.991	1.00	0.00	C
ATOM	544	C6	G	A	18	4.559	-24.246	57.910	1.00	0.00	C
ATOM	545	O6	G	A	18	4.112	-25.028	57.070	1.00	0.00	O
ATOM	546	N7	G	A	18	6.028	-25.697	59.405	1.00	0.00	N
ATOM	547	C8	G	A	18	6.736	-25.352	60.448	1.00	0.00	C
ATOM	548	N9	G	A	18	6.658	-24.014	60.767	1.00	0.00	N
ATOM	549	C2'	G	A	18	7.401	-24.049	63.176	1.00	0.00	C
ATOM	550	C3'	G	A	18	8.738	-23.592	63.733	1.00	0.00	C
ATOM	551	O3'	G	A	18	8.556	-22.371	64.445	1.00	0.00	O
ATOM	552	C4'	G	A	18	9.585	-23.407	62.476	1.00	0.00	C
ATOM	553	O4'	G	A	18	8.631	-22.956	61.463	1.00	0.00	O
ATOM	554	C5'	G	A	18	10.296	-24.636	61.959	1.00	0.00	C
ATOM	555	O5'	G	A	18	9.462	-25.804	62.154	1.00	0.00	O
ATOM	556	O1P	G	A	18	10.749	-27.164	63.836	1.00	0.00	O

ATOM	557	O2P	G A	18	9.204	-28.303	62.223	1.00	0.00	O
ATOM	558	P	G A	18	10.160	-27.200	62.485	1.00	0.00	P
ATOM	559	H1	G A	18	3.559	-22.595	57.097	1.00	0.00	H
ATOM	560	H8	G A	18	7.337	-26.062	61.020	1.00	0.00	H
ATOM	561	H1'	G A	18	6.778	-22.328	62.017	1.00	0.00	H
ATOM	562	H21	G A	18	3.523	-20.496	57.737	1.00	0.00	H
ATOM	563	H3'	G A	18	9.180	-24.336	64.399	1.00	0.00	H
ATOM	564	H22	G A	18	4.440	-19.909	59.152	1.00	0.00	H
ATOM	565	H4'	G A	18	10.342	-22.659	62.712	1.00	0.00	H
ATOM	566	H2'1	G A	18	7.386	-25.127	63.011	1.00	0.00	H
ATOM	567	H2'2	G A	18	6.584	-23.811	63.858	1.00	0.00	H
ATOM	568	H5'1	G A	18	10.507	-24.507	60.897	1.00	0.00	H
ATOM	569	H5'2	G A	18	11.236	-24.759	62.497	1.00	0.00	H
ATOM	570	C1'	T A	19	3.469	-20.375	63.034	1.00	0.00	C
ATOM	571	N1	T A	19	3.239	-21.715	62.435	1.00	0.00	N
ATOM	572	C2	T A	19	2.411	-21.780	61.332	1.00	0.00	C
ATOM	573	O2	T A	19	1.876	-20.796	60.852	1.00	0.00	O
ATOM	574	N3	T A	19	2.225	-23.046	60.807	1.00	0.00	N
ATOM	575	C4	T A	19	2.778	-24.218	61.275	1.00	0.00	C
ATOM	576	O4	T A	19	2.535	-25.296	60.721	1.00	0.00	O
ATOM	577	C5	T A	19	3.629	-24.052	62.429	1.00	0.00	C
ATOM	578	C6	T A	19	3.833	-22.833	62.968	1.00	0.00	C
ATOM	579	C7	T A	19	4.255	-25.302	62.971	1.00	0.00	C
ATOM	580	C2'	T A	19	3.549	-20.387	64.556	1.00	0.00	C
ATOM	581	C3'	T A	19	4.594	-19.318	64.827	1.00	0.00	C
ATOM	582	O3'	T A	19	3.965	-18.039	64.842	1.00	0.00	O
ATOM	583	C4'	T A	19	5.555	-19.476	63.651	1.00	0.00	C
ATOM	584	O4'	T A	19	4.699	-19.883	62.538	1.00	0.00	O
ATOM	585	C5'	T A	19	6.656	-20.498	63.814	1.00	0.00	C
ATOM	586	O5'	T A	19	6.156	-21.641	64.554	1.00	0.00	O
ATOM	587	O1P	T A	19	7.468	-21.563	66.701	1.00	0.00	O
ATOM	588	O2P	T A	19	6.592	-23.753	65.843	1.00	0.00	O
ATOM	589	P	T A	19	7.147	-22.413	65.536	1.00	0.00	P
ATOM	590	H3	T A	19	1.614	-23.119	59.981	1.00	0.00	H
ATOM	591	H6	T A	19	4.480	-22.732	63.839	1.00	0.00	H
ATOM	592	H1'	T A	19	2.677	-19.707	62.692	1.00	0.00	H
ATOM	593	H3'	T A	19	5.105	-19.480	65.778	1.00	0.00	H
ATOM	594	H4'	T A	19	6.026	-18.504	63.494	1.00	0.00	H
ATOM	595	H71	T A	19	3.861	-25.503	63.966	1.00	0.00	H
ATOM	596	H72	T A	19	4.022	-26.140	62.313	1.00	0.00	H
ATOM	597	H73	T A	19	5.336	-25.175	63.029	1.00	0.00	H
ATOM	598	H2'1	T A	19	3.861	-21.355	64.944	1.00	0.00	H
ATOM	599	H2'2	T A	19	2.596	-20.138	65.023	1.00	0.00	H
ATOM	600	H5'1	T A	19	6.998	-20.817	62.830	1.00	0.00	H
ATOM	601	H5'2	T A	19	7.487	-20.046	64.352	1.00	0.00	H
ATOM	602	C01	LNK A	20	2.107	-16.275	67.542	0.00	0.00	C
ATOM	603	O1	LNK A	20	2.805	-17.414	67.034	1.00	0.00	O
ATOM	604	S	LNK A	20	0.113	-15.186	70.811	0.00	0.00	S
ATOM	605	C02	LNK A	20	1.575	-16.589	68.954	0.00	0.00	C
ATOM	606	C03	LNK A	20	0.203	-15.917	69.146	0.00	0.00	C
ATOM	607	O1P	LNK A	20	1.926	-19.417	65.788	1.00	0.00	O
ATOM	608	O2P	LNK A	20	1.393	-17.102	64.979	1.00	0.00	O
ATOM	609	P	LNK A	20	2.366	-18.018	65.624	1.00	0.00	P
ATOM	610	H01	LNK A	20	1.272	-16.034	66.884	0.00	0.00	H

ATOM	611	H02	LNK	A	20	2.787	-15.424	67.592	0.00	0.00	H	
ATOM	612	H03	LNK	A	20	-0.586	-16.661	69.033	0.00	0.00	H	
ATOM	613	H04	LNK	A	20	2.275	-16.209	69.699	0.00	0.00	H	
ATOM	614	H05	LNK	A	20	1.471	-17.667	69.071	0.00	0.00	H	
ATOM	615	H06	LNK	A	20	0.073	-15.134	68.399	0.00	0.00	H	
ATOM	616	AU	LNK	A	20	-0.528	-14.976	70.935				
TER												
ATOM	618	C1'		A	B	2	-2.660	-22.952	54.392	1.00	0.00	C
ATOM	619	N1		A	B	2	0.471	-23.278	58.445	1.00	0.00	N
ATOM	620	C2		A	B	2	-0.138	-22.250	57.862	1.00	0.00	C
ATOM	621	N3		A	B	2	-0.938	-22.236	56.817	1.00	0.00	N
ATOM	622	C4		A	B	2	-1.097	-23.484	56.337	1.00	0.00	C
ATOM	623	C5		A	B	2	-0.544	-24.637	56.816	1.00	0.00	C
ATOM	624	C6		A	B	2	0.293	-24.509	57.946	1.00	0.00	C
ATOM	625	N6		A	B	2	0.906	-25.554	58.527	1.00	0.00	N
ATOM	626	N7		A	B	2	-0.937	-25.731	56.066	1.00	0.00	N
ATOM	627	C8		A	B	2	-1.708	-25.221	55.152	1.00	0.00	C
ATOM	628	N9		A	B	2	-1.855	-23.862	55.256	1.00	0.00	N
ATOM	629	C2'		A	B	2	-2.641	-23.334	52.917	1.00	0.00	C
ATOM	630	C3'		A	B	2	-4.052	-22.973	52.480	1.00	0.00	C
ATOM	631	O3'		A	B	2	-4.101	-21.586	52.156	1.00	0.00	O
ATOM	632	C4'		A	B	2	-4.887	-23.306	53.717	1.00	0.00	C
ATOM	633	O4'		A	B	2	-4.000	-23.009	54.842	1.00	0.00	O
ATOM	634	C5'		A	B	2	-5.363	-24.734	53.839	1.00	0.00	C
ATOM	635	O5'		A	B	2	-4.344	-25.636	53.338	1.00	0.00	O
ATOM	636	H2		A	B	2	0.051	-21.279	58.314	1.00	0.00	H
ATOM	637	H8		A	B	2	-2.192	-25.815	54.377	1.00	0.00	H
ATOM	638	H1'		A	B	2	-2.297	-21.935	54.538	1.00	0.00	H
ATOM	639	H3'		A	B	2	-4.375	-23.556	51.618	1.00	0.00	H
ATOM	640	H4'		A	B	2	-5.767	-22.664	53.686	1.00	0.00	H
ATOM	641	H61		A	B	2	1.504	-25.407	59.351	1.00	0.00	H
ATOM	642	H62		A	B	2	0.774	-26.504	58.147	1.00	0.00	H
ATOM	643	H2'1		A	B	2	-2.438	-24.393	52.766	1.00	0.00	H
ATOM	644	H2'2		A	B	2	-1.897	-22.771	52.354	1.00	0.00	H
ATOM	645	H5'1		A	B	2	-5.565	-24.955	54.886	1.00	0.00	H
ATOM	646	H5'2		A	B	2	-6.279	-24.857	53.264	1.00	0.00	H
ATOM	647	C1'		C	B	3	0.652	-19.254	54.300	1.00	0.00	C
ATOM	648	N1		C	B	3	1.101	-20.664	54.455	1.00	0.00	N
ATOM	649	C2		C	B	3	1.965	-20.964	55.506	1.00	0.00	C
ATOM	650	O2		C	B	3	2.322	-20.051	56.264	1.00	0.00	O
ATOM	651	N3		C	B	3	2.384	-22.242	55.664	1.00	0.00	N
ATOM	652	C4		C	B	3	1.982	-23.208	54.828	1.00	0.00	C
ATOM	653	N4		C	B	3	2.422	-24.442	55.032	1.00	0.00	N
ATOM	654	C5		C	B	3	1.096	-22.930	53.735	1.00	0.00	C
ATOM	655	C6		C	B	3	0.683	-21.635	53.598	1.00	0.00	C
ATOM	656	C2'		C	B	3	0.537	-18.801	52.852	1.00	0.00	C
ATOM	657	C3'		C	B	3	-0.668	-17.876	52.903	1.00	0.00	C
ATOM	658	O3'		C	B	3	-0.244	-16.577	53.308	1.00	0.00	O
ATOM	659	C4'		C	B	3	-1.564	-18.543	53.944	1.00	0.00	C
ATOM	660	O4'		C	B	3	-0.627	-19.143	54.895	1.00	0.00	O
ATOM	661	C5'		C	B	3	-2.496	-19.619	53.440	1.00	0.00	C
ATOM	662	O5'		C	B	3	-1.843	-20.379	52.391	1.00	0.00	O
ATOM	663	O1P		C	B	3	-3.204	-19.835	50.344	1.00	0.00	O
ATOM	664	O2P		C	B	3	-1.979	-22.021	50.493	1.00	0.00	O

ATOM	665	P	C B	3	-2.727	-20.947	51.193	1.00	0.00	P
ATOM	666	H5	C B	3	0.771	-23.711	53.048	1.00	0.00	H
ATOM	667	H6	C B	3	0.003	-21.376	52.786	1.00	0.00	H
ATOM	668	H1'	C B	3	1.338	-18.615	54.857	1.00	0.00	H
ATOM	669	H3'	C B	3	-1.171	-17.808	51.938	1.00	0.00	H
ATOM	670	H4'	C B	3	-2.176	-17.755	54.387	1.00	0.00	H
ATOM	671	H41	C B	3	2.124	-25.205	54.405	1.00	0.00	H
ATOM	672	H42	C B	3	3.060	-24.640	55.817	1.00	0.00	H
ATOM	673	H2'1	C B	3	0.370	-19.635	52.169	1.00	0.00	H
ATOM	674	H2'2	C B	3	1.430	-18.274	52.512	1.00	0.00	H
ATOM	675	H5'1	C B	3	-2.759	-20.281	54.265	1.00	0.00	H
ATOM	676	H5'2	C B	3	-3.400	-19.156	53.049	1.00	0.00	H
ATOM	677	C1'	C B	4	4.996	-17.136	55.382	1.00	0.00	C
ATOM	678	N1	C B	4	4.946	-18.491	54.768	1.00	0.00	N
ATOM	679	C2	C B	4	5.667	-19.514	55.381	1.00	0.00	C
ATOM	680	O2	C B	4	6.314	-19.257	56.405	1.00	0.00	O
ATOM	681	N3	C B	4	5.635	-20.753	54.837	1.00	0.00	N
ATOM	682	C4	C B	4	4.927	-21.002	53.727	1.00	0.00	C
ATOM	683	N4	C B	4	4.928	-22.234	53.239	1.00	0.00	N
ATOM	684	C5	C B	4	4.178	-19.968	53.071	1.00	0.00	C
ATOM	685	C6	C B	4	4.222	-18.727	53.641	1.00	0.00	C
ATOM	686	C2'	C B	4	5.032	-16.003	54.368	1.00	0.00	C
ATOM	687	C3'	C B	4	4.206	-14.931	55.062	1.00	0.00	C
ATOM	688	O3'	C B	4	5.044	-14.199	55.954	1.00	0.00	O
ATOM	689	C4'	C B	4	3.146	-15.743	55.801	1.00	0.00	C
ATOM	690	O4'	C B	4	3.832	-16.981	56.173	1.00	0.00	O
ATOM	691	C5'	C B	4	1.903	-16.098	55.017	1.00	0.00	C
ATOM	692	O5'	C B	4	2.257	-16.372	53.637	1.00	0.00	O
ATOM	693	O1P	C B	4	1.144	-14.505	52.369	1.00	0.00	O
ATOM	694	O2P	C B	4	1.566	-16.708	51.245	1.00	0.00	O
ATOM	695	P	C B	4	1.226	-15.973	52.488	1.00	0.00	P
ATOM	696	H5	C B	4	3.607	-20.162	52.165	1.00	0.00	H
ATOM	697	H6	C B	4	3.664	-17.911	53.183	1.00	0.00	H
ATOM	698	H1'	C B	4	5.860	-17.095	56.046	1.00	0.00	H
ATOM	699	H3'	C B	4	3.749	-14.243	54.350	1.00	0.00	H
ATOM	700	H4'	C B	4	2.837	-15.152	56.664	1.00	0.00	H
ATOM	701	H41	C B	4	4.389	-22.452	52.388	1.00	0.00	H
ATOM	702	H42	C B	4	5.468	-22.975	53.711	1.00	0.00	H
ATOM	703	H2'1	C B	4	4.590	-16.287	53.413	1.00	0.00	H
ATOM	704	H2'2	C B	4	6.045	-15.656	54.170	1.00	0.00	H
ATOM	705	H5'1	C B	4	1.439	-16.979	55.461	1.00	0.00	H
ATOM	706	H5'2	C B	4	1.205	-15.263	55.059	1.00	0.00	H
ATOM	707	C1'	G B	5	9.805	-17.206	56.561	1.00	0.00	C
ATOM	708	N1	G B	5	9.712	-21.776	54.296	1.00	0.00	N
ATOM	709	C2	G B	5	10.335	-21.377	55.466	1.00	0.00	C
ATOM	710	N2	G B	5	11.026	-22.320	56.119	1.00	0.00	N
ATOM	711	N3	G B	5	10.271	-20.136	55.947	1.00	0.00	N
ATOM	712	C4	G B	5	9.536	-19.312	55.155	1.00	0.00	C
ATOM	713	C5	G B	5	8.885	-19.621	53.971	1.00	0.00	C
ATOM	714	C6	G B	5	8.949	-20.938	53.462	1.00	0.00	C
ATOM	715	O6	G B	5	8.443	-21.399	52.440	1.00	0.00	O
ATOM	716	N7	G B	5	8.243	-18.488	53.467	1.00	0.00	N
ATOM	717	C8	G B	5	8.515	-17.553	54.339	1.00	0.00	C
ATOM	718	N9	G B	5	9.299	-17.977	55.394	1.00	0.00	N

ATOM	719	C2'	G B	5	10.210	-15.778	56.224	1.00	0.00	C
ATOM	720	C3'	G B	5	9.800	-15.026	57.480	1.00	0.00	C
ATOM	721	O3'	G B	5	10.842	-15.126	58.447	1.00	0.00	O
ATOM	722	C4'	G B	5	8.534	-15.760	57.917	1.00	0.00	C
ATOM	723	O4'	G B	5	8.769	-17.150	57.524	1.00	0.00	O
ATOM	724	C5'	G B	5	7.239	-15.295	57.295	1.00	0.00	C
ATOM	725	O5'	G B	5	7.467	-14.914	55.914	1.00	0.00	O
ATOM	726	O1P	G B	5	7.036	-12.435	55.914	1.00	0.00	O
ATOM	727	O2P	G B	5	6.683	-13.770	53.820	1.00	0.00	O
ATOM	728	P	G B	5	6.620	-13.711	55.300	1.00	0.00	P
ATOM	729	H1	G B	5	9.818	-22.762	54.014	1.00	0.00	H
ATOM	730	H8	G B	5	8.157	-16.528	54.243	1.00	0.00	H
ATOM	731	H1'	G B	5	10.639	-17.756	56.998	1.00	0.00	H
ATOM	732	H21	G B	5	11.067	-23.279	55.743	1.00	0.00	H
ATOM	733	H3'	G B	5	9.595	-13.974	57.279	1.00	0.00	H
ATOM	734	H22	G B	5	11.514	-22.088	56.994	1.00	0.00	H
ATOM	735	H4'	G B	5	8.450	-15.633	58.996	1.00	0.00	H
ATOM	736	H2'1	G B	5	9.690	-15.396	55.346	1.00	0.00	H
ATOM	737	H2'2	G B	5	11.281	-15.684	56.038	1.00	0.00	H
ATOM	738	H5'1	G B	5	6.510	-16.103	57.340	1.00	0.00	H
ATOM	739	H5'2	G B	5	6.861	-14.439	57.855	1.00	0.00	H
ATOM	740	C1'	T B	6	14.325	-19.218	56.722	1.00	0.00	C
ATOM	741	N1	T B	6	13.586	-19.137	55.432	1.00	0.00	N
ATOM	742	C2	T B	6	13.478	-20.299	54.696	1.00	0.00	C
ATOM	743	O2	T B	6	13.955	-21.360	55.060	1.00	0.00	O
ATOM	744	N3	T B	6	12.783	-20.178	53.506	1.00	0.00	N
ATOM	745	C4	T B	6	12.207	-19.031	53.001	1.00	0.00	C
ATOM	746	O4	T B	6	11.612	-19.044	51.918	1.00	0.00	O
ATOM	747	C5	T B	6	12.375	-17.869	53.842	1.00	0.00	C
ATOM	748	C6	T B	6	13.044	-17.949	55.009	1.00	0.00	C
ATOM	749	C7	T B	6	11.762	-16.598	53.333	1.00	0.00	C
ATOM	750	C2'	T B	6	15.174	-17.987	57.021	1.00	0.00	C
ATOM	751	C3'	T B	6	15.039	-17.871	58.531	1.00	0.00	C
ATOM	752	O3'	T B	6	15.998	-18.721	59.155	1.00	0.00	O
ATOM	753	C4'	T B	6	13.606	-18.334	58.784	1.00	0.00	C
ATOM	754	O4'	T B	6	13.372	-19.352	57.757	1.00	0.00	O
ATOM	755	C5'	T B	6	12.529	-17.281	58.671	1.00	0.00	C
ATOM	756	O5'	T B	6	12.859	-16.353	57.606	1.00	0.00	O
ATOM	757	O1P	T B	6	13.263	-14.188	58.825	1.00	0.00	O
ATOM	758	O2P	T B	6	12.479	-14.161	56.440	1.00	0.00	O
ATOM	759	P	T B	6	12.447	-14.821	57.768	1.00	0.00	P
ATOM	760	H3	T B	6	12.685	-21.033	52.938	1.00	0.00	H
ATOM	761	H6	T B	6	13.156	-17.057	55.626	1.00	0.00	H
ATOM	762	H1'	T B	6	14.937	-20.120	56.710	1.00	0.00	H
ATOM	763	H3'	T B	6	15.188	-16.848	58.877	1.00	0.00	H
ATOM	764	H4'	T B	6	13.576	-18.735	59.797	1.00	0.00	H
ATOM	765	H71	T B	6	12.551	-15.878	53.112	1.00	0.00	H
ATOM	766	H72	T B	6	11.193	-16.805	52.428	1.00	0.00	H
ATOM	767	H73	T B	6	11.098	-16.185	54.093	1.00	0.00	H
ATOM	768	H2'1	T B	6	14.800	-17.097	56.519	1.00	0.00	H
ATOM	769	H2'2	T B	6	16.213	-18.121	56.725	1.00	0.00	H
ATOM	770	H5'1	T B	6	11.575	-17.763	58.457	1.00	0.00	H
ATOM	771	H5'2	T B	6	12.456	-16.744	59.617	1.00	0.00	H
ATOM	772	C1'	C B	7	17.895	-22.253	55.076	1.00	0.00	C

ATOM	773	N1	C B	7	17.221	-21.303	54.147	1.00	0.00	N
ATOM	774	C2	C B	7	16.705	-21.814	52.957	1.00	0.00	C
ATOM	775	O2	C B	7	16.825	-23.025	52.723	1.00	0.00	O
ATOM	776	N3	C B	7	16.088	-20.968	52.096	1.00	0.00	N
ATOM	777	C4	C B	7	15.973	-19.664	52.376	1.00	0.00	C
ATOM	778	N4	C B	7	15.357	-18.884	51.502	1.00	0.00	N
ATOM	779	C5	C B	7	16.499	-19.111	53.591	1.00	0.00	C
ATOM	780	C6	C B	7	17.111	-19.982	54.444	1.00	0.00	C
ATOM	781	C2'	C B	7	19.116	-21.666	55.772	1.00	0.00	C
ATOM	782	C3'	C B	7	19.037	-22.313	57.146	1.00	0.00	C
ATOM	783	O3'	C B	7	19.649	-23.599	57.092	1.00	0.00	O
ATOM	784	C4'	C B	7	17.534	-22.398	57.398	1.00	0.00	C
ATOM	785	O4'	C B	7	16.957	-22.619	56.072	1.00	0.00	O
ATOM	786	C5'	C B	7	16.885	-21.177	58.010	1.00	0.00	C
ATOM	787	O5'	C B	7	17.509	-19.978	57.487	1.00	0.00	O
ATOM	788	O1P	C B	7	18.638	-18.981	59.503	1.00	0.00	O
ATOM	789	O2P	C B	7	17.900	-17.499	57.620	1.00	0.00	O
ATOM	790	P	C B	7	17.651	-18.707	58.442	1.00	0.00	P
ATOM	791	H5	C B	7	16.414	-18.048	53.819	1.00	0.00	H
ATOM	792	H6	C B	7	17.520	-19.610	55.384	1.00	0.00	H
ATOM	793	H1'	C B	7	18.158	-23.150	54.518	1.00	0.00	H
ATOM	794	H3'	C B	7	19.531	-21.711	57.910	1.00	0.00	H
ATOM	795	H4'	C B	7	17.372	-23.234	58.078	1.00	0.00	H
ATOM	796	H41	C B	7	15.252	-17.877	51.694	1.00	0.00	H
ATOM	797	H42	C B	7	14.982	-19.284	50.628	1.00	0.00	H
ATOM	798	H2'1	C B	7	19.069	-20.580	55.842	1.00	0.00	H
ATOM	799	H2'2	C B	7	20.044	-21.922	55.264	1.00	0.00	H
ATOM	800	H5'1	C B	7	15.823	-21.176	57.766	1.00	0.00	H
ATOM	801	H5'2	C B	7	17.005	-21.212	59.091	1.00	0.00	H
ATOM	802	C1'	C B	8	20.239	-24.904	51.613	1.00	0.00	C
ATOM	803	N1	C B	8	19.917	-23.471	51.379	1.00	0.00	N
ATOM	804	C2	C B	8	19.252	-23.135	50.201	1.00	0.00	C
ATOM	805	O2	C B	8	18.959	-24.035	49.404	1.00	0.00	O
ATOM	806	N3	C B	8	18.949	-21.835	49.968	1.00	0.00	N
ATOM	807	C4	C B	8	19.280	-20.882	50.850	1.00	0.00	C
ATOM	808	N4	C B	8	18.956	-19.627	50.574	1.00	0.00	N
ATOM	809	C5	C B	8	19.969	-21.195	52.068	1.00	0.00	C
ATOM	810	C6	C B	8	20.260	-22.514	52.284	1.00	0.00	C
ATOM	811	C2'	C B	8	21.591	-25.130	52.279	1.00	0.00	C
ATOM	812	C3'	C B	8	21.310	-26.329	53.170	1.00	0.00	C
ATOM	813	O3'	C B	8	21.453	-27.523	52.405	1.00	0.00	O
ATOM	814	C4'	C B	8	19.866	-26.094	53.610	1.00	0.00	C
ATOM	815	O4'	C B	8	19.240	-25.438	52.461	1.00	0.00	O
ATOM	816	C5'	C B	8	19.668	-25.226	54.830	1.00	0.00	C
ATOM	817	O5'	C B	8	20.654	-24.162	54.840	1.00	0.00	O
ATOM	818	O1P	C B	8	22.066	-24.698	56.855	1.00	0.00	O
ATOM	819	O2P	C B	8	21.853	-22.326	56.064	1.00	0.00	O
ATOM	820	P	C B	8	21.219	-23.655	56.241	1.00	0.00	P
ATOM	821	H5	C B	8	20.247	-20.425	52.786	1.00	0.00	H
ATOM	822	H6	C B	8	20.775	-22.804	53.200	1.00	0.00	H
ATOM	823	H1'	C B	8	20.183	-25.427	50.659	1.00	0.00	H
ATOM	824	H3'	C B	8	21.981	-26.366	54.028	1.00	0.00	H
ATOM	825	H4'	C B	8	19.438	-27.073	53.827	1.00	0.00	H
ATOM	826	H41	C B	8	19.197	-18.876	51.237	1.00	0.00	H

ATOM	827	H42	C B	8	18.464	-19.404	49.697	1.00	0.00	H
ATOM	828	H2'1	C B	8	21.912	-24.267	52.863	1.00	0.00	H
ATOM	829	H2'2	C B	8	22.376	-25.347	51.555	1.00	0.00	H
ATOM	830	H5'1	C B	8	18.665	-24.797	54.807	1.00	0.00	H
ATOM	831	H5'2	C B	8	19.776	-25.838	55.725	1.00	0.00	H
ATOM	832	C1'	T B	9	21.546	-26.000	46.967	1.00	0.00	C
ATOM	833	N1	T B	9	21.710	-24.615	47.482	1.00	0.00	N
ATOM	834	C2	T B	9	21.183	-23.592	46.723	1.00	0.00	C
ATOM	835	O2	T B	9	20.602	-23.786	45.669	1.00	0.00	O
ATOM	836	N3	T B	9	21.357	-22.322	47.240	1.00	0.00	N
ATOM	837	C4	T B	9	21.998	-21.995	48.416	1.00	0.00	C
ATOM	838	O4	T B	9	22.096	-20.817	48.776	1.00	0.00	O
ATOM	839	C5	T B	9	22.516	-23.132	49.142	1.00	0.00	C
ATOM	840	C6	T B	9	22.363	-24.383	48.667	1.00	0.00	C
ATOM	841	C7	T B	9	23.219	-22.820	50.429	1.00	0.00	C
ATOM	842	C2'	T B	9	22.753	-26.896	47.214	1.00	0.00	C
ATOM	843	C3'	T B	9	22.100	-28.244	47.478	1.00	0.00	C
ATOM	844	O3'	T B	9	21.838	-28.889	46.234	1.00	0.00	O
ATOM	845	C4'	T B	9	20.816	-27.861	48.212	1.00	0.00	C
ATOM	846	O4'	T B	9	20.433	-26.577	47.623	1.00	0.00	O
ATOM	847	C5'	T B	9	20.922	-27.695	49.710	1.00	0.00	C
ATOM	848	O5'	T B	9	22.203	-27.105	50.048	1.00	0.00	O
ATOM	849	O1P	T B	9	23.374	-28.938	51.312	1.00	0.00	O
ATOM	850	O2P	T B	9	23.947	-26.537	51.764	1.00	0.00	O
ATOM	851	P	T B	9	22.913	-27.537	51.406	1.00	0.00	P
ATOM	852	H3	T B	9	20.969	-21.541	46.693	1.00	0.00	H
ATOM	853	H6	T B	9	22.764	-25.224	49.233	1.00	0.00	H
ATOM	854	H1'	T B	9	21.314	-25.943	45.903	1.00	0.00	H
ATOM	855	H3'	T B	9	22.727	-28.887	48.094	1.00	0.00	H
ATOM	856	H4'	T B	9	20.091	-28.653	48.015	1.00	0.00	H
ATOM	857	H71	T B	9	24.274	-23.084	50.341	1.00	0.00	H
ATOM	858	H72	T B	9	23.128	-21.757	50.649	1.00	0.00	H
ATOM	859	H73	T B	9	22.769	-23.397	51.238	1.00	0.00	H
ATOM	860	H2'1	T B	9	23.343	-26.568	48.069	1.00	0.00	H
ATOM	861	H2'2	T B	9	23.420	-26.940	46.353	1.00	0.00	H
ATOM	862	H5'1	T B	9	20.116	-27.048	50.057	1.00	0.00	H
ATOM	863	H5'2	T B	9	20.830	-28.670	50.184	1.00	0.00	H
ATOM	864	C1'	A B	10	22.371	-24.894	42.199	1.00	0.00	C
ATOM	865	N1	A B	10	23.150	-20.157	44.015	1.00	0.00	N
ATOM	866	C2	A B	10	22.505	-20.616	42.944	1.00	0.00	C
ATOM	867	N3	A B	10	22.339	-21.855	42.536	1.00	0.00	N
ATOM	868	C4	A B	10	22.946	-22.710	43.378	1.00	0.00	C
ATOM	869	C5	A B	10	23.646	-22.403	44.513	1.00	0.00	C
ATOM	870	C6	A B	10	23.744	-21.034	44.837	1.00	0.00	C
ATOM	871	N6	A B	10	24.399	-20.584	45.922	1.00	0.00	N
ATOM	872	N7	A B	10	24.127	-23.545	45.128	1.00	0.00	N
ATOM	873	C8	A B	10	23.718	-24.508	44.358	1.00	0.00	C
ATOM	874	N9	A B	10	22.992	-24.078	43.277	1.00	0.00	N
ATOM	875	C2'	A B	10	23.207	-26.094	41.779	1.00	0.00	C
ATOM	876	C3'	A B	10	22.142	-27.136	41.476	1.00	0.00	C
ATOM	877	O3'	A B	10	21.674	-26.952	40.142	1.00	0.00	O
ATOM	878	C4'	A B	10	21.061	-26.826	42.512	1.00	0.00	C
ATOM	879	O4'	A B	10	21.130	-25.374	42.684	1.00	0.00	O
ATOM	880	C5'	A B	10	21.220	-27.482	43.864	1.00	0.00	C

ATOM	881	O5'	A B	10	22.627	-27.542	44.217	1.00	0.00	O
ATOM	882	O1P	A B	10	23.117	-30.010	44.231	1.00	0.00	O
ATOM	883	O2P	A B	10	24.466	-28.454	45.666	1.00	0.00	O
ATOM	884	P	A B	10	23.154	-28.790	45.059	1.00	0.00	P
ATOM	885	H2	A B	10	22.049	-19.853	42.314	1.00	0.00	H
ATOM	886	H8	A B	10	23.932	-25.560	44.551	1.00	0.00	H
ATOM	887	H1'	A B	10	22.170	-24.242	41.350	1.00	0.00	H
ATOM	888	H3'	A B	10	22.518	-28.151	41.592	1.00	0.00	H
ATOM	889	H4'	A B	10	20.113	-27.160	42.091	1.00	0.00	H
ATOM	890	H61	A B	10	24.438	-19.573	46.114	1.00	0.00	H
ATOM	891	H62	A B	10	24.859	-21.248	46.560	1.00	0.00	H
ATOM	892	H2'1	A B	10	23.876	-26.432	42.572	1.00	0.00	H
ATOM	893	H2'2	A B	10	23.819	-25.886	40.900	1.00	0.00	H
ATOM	894	H5'1	A B	10	20.679	-26.900	44.610	1.00	0.00	H
ATOM	895	H5'2	A B	10	20.808	-28.488	43.826	1.00	0.00	H
ATOM	896	C1'	G B	11	23.498	-21.800	38.485	1.00	0.00	C
ATOM	897	N1	G B	11	25.828	-19.126	42.152	1.00	0.00	N
ATOM	898	C2	G B	11	25.036	-18.693	41.102	1.00	0.00	C
ATOM	899	N2	G B	11	24.843	-17.370	41.019	1.00	0.00	N
ATOM	900	N3	G B	11	24.483	-19.513	40.210	1.00	0.00	N
ATOM	901	C4	G B	11	24.791	-20.815	40.444	1.00	0.00	C
ATOM	902	C5	G B	11	25.573	-21.338	41.460	1.00	0.00	C
ATOM	903	C6	G B	11	26.158	-20.470	42.410	1.00	0.00	C
ATOM	904	O6	G B	11	26.875	-20.743	43.374	1.00	0.00	O
ATOM	905	N7	G B	11	25.645	-22.728	41.347	1.00	0.00	N
ATOM	906	C8	G B	11	24.918	-22.997	40.292	1.00	0.00	C
ATOM	907	N9	G B	11	24.367	-21.886	39.689	1.00	0.00	N
ATOM	908	C2'	G B	11	23.869	-22.789	37.388	1.00	0.00	C
ATOM	909	C3'	G B	11	22.508	-23.158	36.819	1.00	0.00	C
ATOM	910	O3'	G B	11	22.127	-22.182	35.852	1.00	0.00	O
ATOM	911	C4'	G B	11	21.607	-23.133	38.051	1.00	0.00	C
ATOM	912	O4'	G B	11	22.171	-22.075	38.890	1.00	0.00	O
ATOM	913	C5'	G B	11	21.538	-24.407	38.859	1.00	0.00	C
ATOM	914	O5'	G B	11	22.839	-25.047	38.874	1.00	0.00	O
ATOM	915	O1P	G B	11	22.451	-27.181	37.598	1.00	0.00	O
ATOM	916	O2P	G B	11	24.258	-27.068	39.335	1.00	0.00	O
ATOM	917	P	G B	11	22.908	-26.641	38.891	1.00	0.00	P
ATOM	918	H1	G B	11	26.203	-18.410	42.792	1.00	0.00	H
ATOM	919	H8	G B	11	24.763	-24.010	39.922	1.00	0.00	H
ATOM	920	H1'	G B	11	23.528	-20.775	38.113	1.00	0.00	H
ATOM	921	H21	G B	11	25.271	-16.743	41.714	1.00	0.00	H
ATOM	922	H3'	G B	11	22.513	-24.143	36.355	1.00	0.00	H
ATOM	923	H22	G B	11	24.267	-16.983	40.258	1.00	0.00	H
ATOM	924	H4'	G B	11	20.598	-22.906	37.702	1.00	0.00	H
ATOM	925	H2'1	G B	11	24.385	-23.665	37.780	1.00	0.00	H
ATOM	926	H2'2	G B	11	24.511	-22.344	36.628	1.00	0.00	H
ATOM	927	H5'1	G B	11	21.233	-24.168	39.877	1.00	0.00	H
ATOM	928	H5'2	G B	11	20.803	-25.075	38.411	1.00	0.00	H
ATOM	929	C1'	G B	12	25.567	-17.742	36.538	1.00	0.00	C
ATOM	930	N1	G B	12	28.681	-18.091	40.565	1.00	0.00	N
ATOM	931	C2	G B	12	28.075	-16.980	40.004	1.00	0.00	C
ATOM	932	N2	G B	12	28.334	-15.806	40.593	1.00	0.00	N
ATOM	933	N3	G B	12	27.273	-17.037	38.943	1.00	0.00	N
ATOM	934	C4	G B	12	27.129	-18.304	38.471	1.00	0.00	C

ATOM	935	C5	G B	12	27.695	-19.468	38.961	1.00	0.00	C
ATOM	936	C6	G B	12	28.542	-19.409	40.092	1.00	0.00	C
ATOM	937	O6	G B	12	29.134	-20.324	40.667	1.00	0.00	O
ATOM	938	N7	G B	12	27.294	-20.562	38.190	1.00	0.00	N
ATOM	939	C8	G B	12	26.515	-20.038	37.282	1.00	0.00	C
ATOM	940	N9	G B	12	26.364	-18.670	37.385	1.00	0.00	N
ATOM	941	C2'	G B	12	25.578	-18.099	35.059	1.00	0.00	C
ATOM	942	C3'	G B	12	24.168	-17.720	34.630	1.00	0.00	C
ATOM	943	O3'	G B	12	24.130	-16.328	34.326	1.00	0.00	O
ATOM	944	C4'	G B	12	23.333	-18.065	35.863	1.00	0.00	C
ATOM	945	O4'	G B	12	24.226	-17.791	36.990	1.00	0.00	O
ATOM	946	C5'	G B	12	22.849	-19.491	35.966	1.00	0.00	C
ATOM	947	O5'	G B	12	23.859	-20.393	35.448	1.00	0.00	O
ATOM	948	O1P	G B	12	22.769	-21.373	33.401	1.00	0.00	O
ATOM	949	O2P	G B	12	24.521	-22.678	34.637	1.00	0.00	O
ATOM	950	P	G B	12	23.390	-21.719	34.694	1.00	0.00	P
ATOM	951	H1	G B	12	29.279	-17.940	41.393	1.00	0.00	H
ATOM	952	H8	G B	12	26.024	-20.629	36.507	1.00	0.00	H
ATOM	953	H1'	G B	12	25.936	-16.730	36.700	1.00	0.00	H
ATOM	954	H21	G B	12	28.953	-15.770	41.417	1.00	0.00	H
ATOM	955	H3'	G B	12	23.839	-18.289	33.761	1.00	0.00	H
ATOM	956	H22	G B	12	27.917	-14.941	40.221	1.00	0.00	H
ATOM	957	H4'	G B	12	22.460	-17.417	35.846	1.00	0.00	H
ATOM	958	H2'1	G B	12	25.772	-19.158	34.890	1.00	0.00	H
ATOM	959	H2'2	G B	12	26.326	-17.536	34.503	1.00	0.00	H
ATOM	960	H5'1	G B	12	22.647	-19.726	37.010	1.00	0.00	H
ATOM	961	H5'2	G B	12	21.928	-19.598	35.391	1.00	0.00	H
ATOM	962	C1'	T B	13	28.849	-14.040	36.411	1.00	0.00	C
ATOM	963	N1	T B	13	29.310	-15.443	36.583	1.00	0.00	N
ATOM	964	C2	T B	13	30.167	-15.700	37.635	1.00	0.00	C
ATOM	965	O2	T B	13	30.545	-14.834	38.404	1.00	0.00	O
ATOM	966	N3	T B	13	30.569	-17.017	37.758	1.00	0.00	N
ATOM	967	C4	T B	13	30.205	-18.068	36.944	1.00	0.00	C
ATOM	968	O4	T B	13	30.633	-19.209	37.151	1.00	0.00	O
ATOM	969	C5	T B	13	29.306	-17.702	35.873	1.00	0.00	C
ATOM	970	C6	T B	13	28.891	-16.429	35.723	1.00	0.00	C
ATOM	971	C7	T B	13	28.880	-18.816	34.963	1.00	0.00	C
ATOM	972	C2'	T B	13	28.731	-13.605	34.955	1.00	0.00	C
ATOM	973	C3'	T B	13	27.517	-12.691	34.993	1.00	0.00	C
ATOM	974	O3'	T B	13	27.929	-11.382	35.381	1.00	0.00	O
ATOM	975	C4'	T B	13	26.627	-13.351	36.042	1.00	0.00	C
ATOM	976	O4'	T B	13	27.569	-13.930	37.001	1.00	0.00	O
ATOM	977	C5'	T B	13	25.705	-14.443	35.552	1.00	0.00	C
ATOM	978	O5'	T B	13	26.364	-15.210	34.513	1.00	0.00	O
ATOM	979	O1P	T B	13	25.001	-14.705	32.461	1.00	0.00	O
ATOM	980	O2P	T B	13	26.245	-16.877	32.637	1.00	0.00	O
ATOM	981	P	T B	13	25.488	-15.802	33.321	1.00	0.00	P
ATOM	982	H3	T B	13	31.206	-17.236	38.538	1.00	0.00	H
ATOM	983	H6	T B	13	28.215	-16.176	34.907	1.00	0.00	H
ATOM	984	H1'	T B	13	29.528	-13.387	36.958	1.00	0.00	H
ATOM	985	H3'	T B	13	27.015	-12.639	34.027	1.00	0.00	H
ATOM	986	H4'	T B	13	26.008	-12.564	36.475	1.00	0.00	H
ATOM	987	H71	T B	13	29.276	-18.640	33.963	1.00	0.00	H
ATOM	988	H72	T B	13	29.263	-19.764	35.344	1.00	0.00	H

ATOM	989	H73	T B	13	27.791	-18.855	34.920	1.00	0.00	H
ATOM	990	H2'1	T B	13	28.571	-14.449	34.284	1.00	0.00	H
ATOM	991	H2'2	T B	13	29.618	-13.074	34.608	1.00	0.00	H
ATOM	992	H5'1	T B	13	25.447	-15.096	36.385	1.00	0.00	H
ATOM	993	H5'2	T B	13	24.797	-13.993	35.153	1.00	0.00	H
ATOM	994	C1'	G B	14	33.207	-11.931	37.508	1.00	0.00	C
ATOM	995	N1	G B	14	34.825	-16.756	37.868	1.00	0.00	N
ATOM	996	C2	G B	14	35.093	-15.667	38.679	1.00	0.00	C
ATOM	997	N2	G B	14	35.898	-15.893	39.723	1.00	0.00	N
ATOM	998	N3	G B	14	34.594	-14.451	38.465	1.00	0.00	N
ATOM	999	C4	G B	14	33.802	-14.403	37.360	1.00	0.00	C
ATOM	1000	C5	G B	14	33.485	-15.433	36.492	1.00	0.00	C
ATOM	1001	C6	G B	14	34.010	-16.727	36.720	1.00	0.00	C
ATOM	1002	O6	G B	14	33.844	-17.758	36.067	1.00	0.00	O
ATOM	1003	N7	G B	14	32.643	-14.968	35.478	1.00	0.00	N
ATOM	1004	C8	G B	14	32.480	-13.701	35.760	1.00	0.00	C
ATOM	1005	N9	G B	14	33.155	-13.282	36.890	1.00	0.00	N
ATOM	1006	C2'	G B	14	33.240	-10.793	36.498	1.00	0.00	C
ATOM	1007	C3'	G B	14	32.418	-9.722	37.199	1.00	0.00	C
ATOM	1008	O3'	G B	14	33.259	-8.996	38.089	1.00	0.00	O
ATOM	1009	C4'	G B	14	31.359	-10.538	37.938	1.00	0.00	C
ATOM	1010	O4'	G B	14	32.048	-11.775	38.303	1.00	0.00	O
ATOM	1011	C5'	G B	14	30.114	-10.888	37.158	1.00	0.00	C
ATOM	1012	O5'	G B	14	30.461	-11.160	35.777	1.00	0.00	O
ATOM	1013	O1P	G B	14	29.345	-9.287	34.518	1.00	0.00	O
ATOM	1014	O2P	G B	14	29.762	-11.486	33.386	1.00	0.00	O
ATOM	1015	P	G B	14	29.426	-10.755	34.632	1.00	0.00	P
ATOM	1016	H1	G B	14	35.255	-17.658	38.125	1.00	0.00	H
ATOM	1017	H8	G B	14	31.864	-13.034	35.156	1.00	0.00	H
ATOM	1018	H1'	G B	14	34.074	-11.891	38.169	1.00	0.00	H
ATOM	1019	H21	G B	14	36.277	-16.839	39.883	1.00	0.00	H
ATOM	1020	H3'	G B	14	31.959	-9.032	36.491	1.00	0.00	H
ATOM	1021	H22	G B	14	36.140	-15.123	40.364	1.00	0.00	H
ATOM	1022	H4'	G B	14	31.055	-9.948	38.804	1.00	0.00	H
ATOM	1023	H2'1	G B	14	32.795	-11.074	35.544	1.00	0.00	H
ATOM	1024	H2'2	G B	14	34.253	-10.446	36.296	1.00	0.00	H
ATOM	1025	H5'1	G B	14	29.651	-11.769	37.601	1.00	0.00	H
ATOM	1026	H5'2	G B	14	29.416	-10.052	37.205	1.00	0.00	H
ATOM	1027	C1'	C B	15	38.017	-12.000	38.689	1.00	0.00	C
ATOM	1028	N1	C B	15	37.513	-12.775	37.524	1.00	0.00	N
ATOM	1029	C2	C B	15	37.852	-14.124	37.440	1.00	0.00	C
ATOM	1030	O2	C B	15	38.554	-14.618	38.334	1.00	0.00	O
ATOM	1031	N3	C B	15	37.402	-14.849	36.388	1.00	0.00	N
ATOM	1032	C4	C B	15	36.646	-14.286	35.438	1.00	0.00	C
ATOM	1033	N4	C B	15	36.230	-15.041	34.433	1.00	0.00	N
ATOM	1034	C5	C B	15	36.283	-12.897	35.494	1.00	0.00	C
ATOM	1035	C6	C B	15	36.744	-12.190	36.567	1.00	0.00	C
ATOM	1036	C2'	C B	15	38.424	-10.573	38.346	1.00	0.00	C
ATOM	1037	C3'	C B	15	38.011	-9.816	39.599	1.00	0.00	C
ATOM	1038	O3'	C B	15	39.051	-9.911	40.570	1.00	0.00	O
ATOM	1039	C4'	C B	15	36.744	-10.547	40.036	1.00	0.00	C
ATOM	1040	O4'	C B	15	36.978	-11.939	39.649	1.00	0.00	O
ATOM	1041	C5'	C B	15	35.450	-10.083	39.408	1.00	0.00	C
ATOM	1042	O5'	C B	15	35.682	-9.709	38.028	1.00	0.00	O

ATOM	1043	O1P	C B	15	35.252	-7.229	38.014	1.00	0.00	O
ATOM	1044	O2P	C B	15	34.904	-8.573	35.924	1.00	0.00	O
ATOM	1045	P	C B	15	34.837	-8.509	37.405	1.00	0.00	P
ATOM	1046	H5	C B	15	35.672	-12.435	34.719	1.00	0.00	H
ATOM	1047	H6	C B	15	36.489	-11.134	36.657	1.00	0.00	H
ATOM	1048	H1'	C B	15	38.850	-12.549	39.130	1.00	0.00	H
ATOM	1049	H3'	C B	15	37.806	-8.765	39.391	1.00	0.00	H
ATOM	1050	H4'	C B	15	36.657	-10.413	41.114	1.00	0.00	H
ATOM	1051	H41	C B	15	35.643	-14.633	33.689	1.00	0.00	H
ATOM	1052	H42	C B	15	36.493	-16.037	34.393	1.00	0.00	H
ATOM	1053	H2'1	C B	15	37.907	-10.195	37.466	1.00	0.00	H
ATOM	1054	H2'2	C B	15	39.496	-10.481	38.162	1.00	0.00	H
ATOM	1055	H5'1	C B	15	34.720	-10.891	39.454	1.00	0.00	H
ATOM	1056	H5'2	C B	15	35.071	-9.224	39.963	1.00	0.00	H
ATOM	1057	C1'	G B	16	42.531	-14.029	38.832	1.00	0.00	C
ATOM	1058	N1	G B	16	40.897	-16.574	34.724	1.00	0.00	N
ATOM	1059	C2	G B	16	41.625	-17.018	35.814	1.00	0.00	C
ATOM	1060	N2	G B	16	41.963	-18.315	35.807	1.00	0.00	N
ATOM	1061	N3	G B	16	41.985	-16.235	36.828	1.00	0.00	N
ATOM	1062	C4	G B	16	41.564	-14.954	36.666	1.00	0.00	C
ATOM	1063	C5	G B	16	40.840	-14.418	35.614	1.00	0.00	C
ATOM	1064	C6	G B	16	40.455	-15.252	34.537	1.00	0.00	C
ATOM	1065	O6	G B	16	39.816	-14.963	33.524	1.00	0.00	O
ATOM	1066	N7	G B	16	40.611	-13.058	35.827	1.00	0.00	N
ATOM	1067	C8	G B	16	41.186	-12.816	36.977	1.00	0.00	C
ATOM	1068	N9	G B	16	41.789	-13.919	37.548	1.00	0.00	N
ATOM	1069	C2'	G B	16	43.391	-12.811	39.149	1.00	0.00	C
ATOM	1070	C3'	G B	16	43.264	-12.717	40.661	1.00	0.00	C
ATOM	1071	O3'	G B	16	44.218	-13.587	41.266	1.00	0.00	O
ATOM	1072	C4'	G B	16	41.827	-13.174	40.910	1.00	0.00	C
ATOM	1073	O4'	G B	16	41.581	-14.173	39.869	1.00	0.00	O
ATOM	1074	C5'	G B	16	40.760	-12.110	40.821	1.00	0.00	C
ATOM	1075	O5'	G B	16	41.093	-11.167	39.771	1.00	0.00	O
ATOM	1076	O1P	G B	16	41.518	-9.027	41.024	1.00	0.00	O
ATOM	1077	O2P	G B	16	40.725	-8.953	38.646	1.00	0.00	O
ATOM	1078	P	G B	16	40.696	-9.634	39.962	1.00	0.00	P
ATOM	1079	H1	G B	16	40.666	-17.263	33.994	1.00	0.00	H
ATOM	1080	H8	G B	16	41.191	-11.831	37.443	1.00	0.00	H
ATOM	1081	H1'	G B	16	43.135	-14.936	38.802	1.00	0.00	H
ATOM	1082	H21	G B	16	41.679	-18.916	35.020	1.00	0.00	H
ATOM	1083	H3'	G B	16	43.422	-11.702	41.022	1.00	0.00	H
ATOM	1084	H22	G B	16	42.505	-18.707	36.588	1.00	0.00	H
ATOM	1085	H4'	G B	16	41.799	-13.592	41.917	1.00	0.00	H
ATOM	1086	H2'1	G B	16	43.023	-11.908	38.664	1.00	0.00	H
ATOM	1087	H2'2	G B	16	44.429	-12.948	38.845	1.00	0.00	H
ATOM	1088	H5'1	G B	16	39.802	-12.581	40.603	1.00	0.00	H
ATOM	1089	H5'2	G B	16	40.694	-11.589	41.777	1.00	0.00	H
ATOM	1090	C1'	G B	17	46.105	-17.045	37.203	1.00	0.00	C
ATOM	1091	N1	G B	17	43.688	-16.567	32.737	1.00	0.00	N
ATOM	1092	C2	G B	17	44.230	-17.690	33.337	1.00	0.00	C
ATOM	1093	N2	G B	17	44.113	-18.836	32.657	1.00	0.00	N
ATOM	1094	N3	G B	17	44.837	-17.669	34.522	1.00	0.00	N
ATOM	1095	C4	G B	17	44.871	-16.423	35.063	1.00	0.00	C
ATOM	1096	C5	G B	17	44.361	-15.249	34.538	1.00	0.00	C

ATOM	1097	C6	G B	17	43.711	-15.270	33.282	1.00	0.00	C
ATOM	1098	O6	G B	17	43.201	-14.341	32.656	1.00	0.00	O
ATOM	1099	N7	G B	17	44.602	-14.184	35.408	1.00	0.00	N
ATOM	1100	C8	G B	17	45.232	-14.734	36.414	1.00	0.00	C
ATOM	1101	N9	G B	17	45.435	-16.093	36.276	1.00	0.00	N
ATOM	1102	C2'	G B	17	47.325	-16.461	37.903	1.00	0.00	C
ATOM	1103	C3'	G B	17	47.247	-17.114	39.275	1.00	0.00	C
ATOM	1104	O3'	G B	17	47.858	-18.400	39.217	1.00	0.00	O
ATOM	1105	C4'	G B	17	45.742	-17.200	39.524	1.00	0.00	C
ATOM	1106	O4'	G B	17	45.169	-17.415	38.194	1.00	0.00	O
ATOM	1107	C5'	G B	17	45.093	-15.984	40.139	1.00	0.00	C
ATOM	1108	O5'	G B	17	45.716	-14.781	39.623	1.00	0.00	O
ATOM	1109	O1P	G B	17	46.842	-13.794	41.646	1.00	0.00	O
ATOM	1110	O2P	G B	17	46.104	-12.303	39.769	1.00	0.00	O
ATOM	1111	P	G B	17	45.857	-13.516	40.584	1.00	0.00	P
ATOM	1112	H1	G B	17	43.232	-16.692	31.819	1.00	0.00	H
ATOM	1113	H8	G B	17	45.571	-14.172	37.282	1.00	0.00	H
ATOM	1114	H1'	G B	17	46.370	-17.940	36.640	1.00	0.00	H
ATOM	1115	H21	G B	17	43.639	-18.847	31.742	1.00	0.00	H
ATOM	1116	H3'	G B	17	47.738	-16.515	40.042	1.00	0.00	H
ATOM	1117	H22	G B	17	44.498	-19.708	33.048	1.00	0.00	H
ATOM	1118	H4'	G B	17	45.580	-18.040	40.198	1.00	0.00	H
ATOM	1119	H2'1	G B	17	47.279	-15.374	37.979	1.00	0.00	H
ATOM	1120	H2'2	G B	17	48.256	-16.715	37.396	1.00	0.00	H
ATOM	1121	H5'1	G B	17	44.031	-15.982	39.895	1.00	0.00	H
ATOM	1122	H5'2	G B	17	45.211	-16.024	41.222	1.00	0.00	H
ATOM	1123	C1'	C B	18	48.451	-19.698	33.741	1.00	0.00	C
ATOM	1124	N1	C B	18	48.128	-18.263	33.506	1.00	0.00	N
ATOM	1125	C2	C B	18	47.462	-17.928	32.328	1.00	0.00	C
ATOM	1126	O2	C B	18	47.170	-18.829	31.531	1.00	0.00	O
ATOM	1127	N3	C B	18	47.160	-16.628	32.097	1.00	0.00	N
ATOM	1128	C4	C B	18	47.492	-15.677	32.979	1.00	0.00	C
ATOM	1129	N4	C B	18	47.170	-14.422	32.702	1.00	0.00	N
ATOM	1130	C5	C B	18	48.178	-15.992	34.196	1.00	0.00	C
ATOM	1131	C6	C B	18	48.469	-17.307	34.410	1.00	0.00	C
ATOM	1132	C2'	C B	18	49.802	-19.922	34.405	1.00	0.00	C
ATOM	1133	C3'	C B	18	49.521	-21.122	35.297	1.00	0.00	C
ATOM	1134	O3'	C B	18	49.665	-22.317	34.531	1.00	0.00	O
ATOM	1135	C4'	C B	18	48.078	-20.888	35.736	1.00	0.00	C
ATOM	1136	O4'	C B	18	47.452	-20.230	34.588	1.00	0.00	O
ATOM	1137	C5'	C B	18	47.879	-20.020	36.956	1.00	0.00	C
ATOM	1138	O5'	C B	18	48.866	-18.957	36.967	1.00	0.00	O
ATOM	1139	O1P	C B	18	50.278	-19.490	38.982	1.00	0.00	O
ATOM	1140	O2P	C B	18	50.066	-17.118	38.192	1.00	0.00	O
ATOM	1141	P	C B	18	49.430	-18.447	38.367	1.00	0.00	P
ATOM	1142	H5	C B	18	48.453	-15.221	34.914	1.00	0.00	H
ATOM	1143	H6	C B	18	48.989	-17.596	35.323	1.00	0.00	H
ATOM	1144	H1'	C B	18	48.394	-20.220	32.785	1.00	0.00	H
ATOM	1145	H3'	C B	18	50.192	-21.159	36.155	1.00	0.00	H
ATOM	1146	H4'	C B	18	47.649	-21.866	35.952	1.00	0.00	H
ATOM	1147	H41	C B	18	47.412	-13.670	33.365	1.00	0.00	H
ATOM	1148	H42	C B	18	46.676	-14.198	31.826	1.00	0.00	H
ATOM	1149	H2'1	C B	18	50.124	-19.061	34.990	1.00	0.00	H
ATOM	1150	H2'2	C B	18	50.587	-20.140	33.682	1.00	0.00	H

ATOM	1151	H5'1	C	B	18	46.877	-19.592	36.934	1.00	0.00	H
ATOM	1152	H5'2	C	B	18	47.987	-20.630	37.852	1.00	0.00	H
ATOM	1153	C1'	C	B	19	49.749	-20.774	29.083	1.00	0.00	C
ATOM	1154	N1	C	B	19	49.924	-19.397	29.619	1.00	0.00	N
ATOM	1155	C2	C	B	19	49.402	-18.337	28.879	1.00	0.00	C
ATOM	1156	O2	C	B	19	48.818	-18.582	27.815	1.00	0.00	O
ATOM	1157	N3	C	B	19	49.551	-17.076	29.350	1.00	0.00	N
ATOM	1158	C4	C	B	19	50.188	-16.843	30.505	1.00	0.00	C
ATOM	1159	N4	C	B	19	50.305	-15.592	30.918	1.00	0.00	N
ATOM	1160	C5	C	B	19	50.735	-17.913	31.283	1.00	0.00	C
ATOM	1161	C6	C	B	19	50.573	-19.173	30.791	1.00	0.00	C
ATOM	1162	C2'	C	B	19	50.951	-21.679	29.315	1.00	0.00	C
ATOM	1163	C3'	C	B	19	50.289	-23.027	29.562	1.00	0.00	C
ATOM	1164	O3'	C	B	19	50.019	-23.653	28.311	1.00	0.00	O
ATOM	1165	C4'	C	B	19	49.010	-22.645	30.305	1.00	0.00	C
ATOM	1166	O4'	C	B	19	48.634	-21.350	29.737	1.00	0.00	O
ATOM	1167	C5'	C	B	19	49.123	-22.499	31.805	1.00	0.00	C
ATOM	1168	O5'	C	B	19	50.409	-21.923	32.147	1.00	0.00	O
ATOM	1169	O1P	C	B	19	51.571	-23.782	33.383	1.00	0.00	O
ATOM	1170	O2P	C	B	19	52.163	-21.391	33.865	1.00	0.00	O
ATOM	1171	P	C	B	19	51.121	-22.380	33.497	1.00	0.00	P
ATOM	1172	H5	C	B	19	51.257	-17.729	32.222	1.00	0.00	H
ATOM	1173	H6	C	B	19	50.970	-20.020	31.351	1.00	0.00	H
ATOM	1174	H1'	C	B	19	49.514	-20.699	28.022	1.00	0.00	H
ATOM	1175	H3'	C	B	19	50.915	-23.682	30.169	1.00	0.00	H
ATOM	1176	H4'	C	B	19	48.280	-23.429	30.102	1.00	0.00	H
ATOM	1177	H41	C	B	19	50.789	-15.382	31.804	1.00	0.00	H
ATOM	1178	H42	C	B	19	49.911	-14.823	30.354	1.00	0.00	H
ATOM	1179	H2'1	C	B	19	51.546	-21.366	30.172	1.00	0.00	H
ATOM	1180	H2'2	C	B	19	51.613	-21.715	28.450	1.00	0.00	H
ATOM	1181	H5'1	C	B	19	48.322	-21.854	32.164	1.00	0.00	H
ATOM	1182	H5'2	C	B	19	49.025	-23.480	32.268	1.00	0.00	H
ATOM	1183	C1'	T	B	20	50.582	-19.687	24.327	1.00	0.00	C
ATOM	1184	N1	T	B	20	51.206	-18.869	25.401	1.00	0.00	N
ATOM	1185	C2	T	B	20	51.047	-17.501	25.324	1.00	0.00	C
ATOM	1186	O2	T	B	20	50.427	-16.959	24.425	1.00	0.00	O
ATOM	1187	N3	T	B	20	51.642	-16.781	26.343	1.00	0.00	N
ATOM	1188	C4	T	B	20	52.361	-17.293	27.399	1.00	0.00	C
ATOM	1189	O4	T	B	20	52.850	-16.544	28.255	1.00	0.00	O
ATOM	1190	C5	T	B	20	52.473	-18.731	27.396	1.00	0.00	C
ATOM	1191	C6	T	B	20	51.906	-19.467	26.420	1.00	0.00	C
ATOM	1192	C7	T	B	20	53.247	-19.333	28.530	1.00	0.00	C
ATOM	1193	C2'	T	B	20	51.422	-20.888	23.905	1.00	0.00	C
ATOM	1194	C3'	T	B	20	50.355	-21.929	23.606	1.00	0.00	C
ATOM	1195	O3'	T	B	20	49.885	-21.751	22.272	1.00	0.00	O
ATOM	1196	C4'	T	B	20	49.279	-21.623	24.644	1.00	0.00	C
ATOM	1197	O4'	T	B	20	49.346	-20.171	24.815	1.00	0.00	O
ATOM	1198	C5'	T	B	20	49.443	-22.276	25.998	1.00	0.00	C
ATOM	1199	O5'	T	B	20	50.851	-22.333	26.344	1.00	0.00	O
ATOM	1200	O1P	T	B	20	51.347	-24.799	26.359	1.00	0.00	O
ATOM	1201	O2P	T	B	20	52.695	-23.240	27.789	1.00	0.00	O
ATOM	1202	P	T	B	20	51.383	-23.577	27.187	1.00	0.00	P
ATOM	1203	H3	T	B	20	51.536	-15.757	26.309	1.00	0.00	H
ATOM	1204	H6	T	B	20	52.004	-20.553	26.438	1.00	0.00	H

ATOM	1205	H1'	T B	20	50.376	-19.036	23.477	1.00	0.00	H
ATOM	1206	H3'	T B	20	50.735	-22.945	23.722	1.00	0.00	H
ATOM	1207	H4'	T B	20	48.330	-21.961	24.226	1.00	0.00	H
ATOM	1208	H3T	T B	20	50.567	-21.732	21.598	1.00	0.00	H
ATOM	1209	H71	T B	20	54.152	-19.804	28.144	1.00	0.00	H
ATOM	1210	H72	T B	20	53.520	-18.551	29.241	1.00	0.00	H
ATOM	1211	H73	T B	20	52.635	-20.082	29.035	1.00	0.00	H
ATOM	1212	H2'1	T B	20	52.093	-21.221	24.694	1.00	0.00	H
ATOM	1213	H2'2	T B	20	52.029	-20.678	23.024	1.00	0.00	H
ATOM	1214	H5'1	T B	20	48.903	-21.696	26.743	1.00	0.00	H
ATOM	1215	H5'2	T B	20	49.033	-23.282	25.959	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	37.159	-48.973	24.839	1.00	0.00	C
ATOM	2	N1	A A	1	39.632	-51.060	28.822	1.00	0.00	N
ATOM	3	C2	A A	1	38.640	-51.498	28.052	1.00	0.00	C
ATOM	4	N3	A A	1	38.048	-50.907	27.035	1.00	0.00	N
ATOM	5	C4	A A	1	38.587	-49.692	26.823	1.00	0.00	C
ATOM	6	C5	A A	1	39.603	-49.101	27.521	1.00	0.00	C
ATOM	7	C6	A A	1	40.149	-49.846	28.588	1.00	0.00	C
ATOM	8	N6	A A	1	41.153	-49.394	29.361	1.00	0.00	N
ATOM	9	N7	A A	1	39.890	-47.845	27.016	1.00	0.00	N
ATOM	10	C8	A A	1	39.050	-47.704	26.034	1.00	0.00	C
ATOM	11	N9	A A	1	38.227	-48.786	25.857	1.00	0.00	N
ATOM	12	C2'	A A	1	36.371	-47.705	24.537	1.00	0.00	C
ATOM	13	C3'	A A	1	36.092	-47.854	23.049	1.00	0.00	C
ATOM	14	O3'	A A	1	34.929	-48.657	22.868	1.00	0.00	O
ATOM	15	C4'	A A	1	37.356	-48.541	22.533	1.00	0.00	C
ATOM	16	O4'	A A	1	37.776	-49.401	23.641	1.00	0.00	O
ATOM	17	C5'	A A	1	38.506	-47.637	22.161	1.00	0.00	C
ATOM	18	O5'	A A	1	38.565	-46.514	23.076	1.00	0.00	O
ATOM	19	H2	A A	1	38.261	-52.488	28.298	1.00	0.00	H
ATOM	20	H8	A A	1	39.004	-46.812	25.410	1.00	0.00	H
ATOM	21	H1'	A A	1	36.499	-49.771	25.181	1.00	0.00	H
ATOM	22	H3'	A A	1	35.944	-46.888	22.564	1.00	0.00	H
ATOM	23	H4'	A A	1	37.070	-49.100	21.644	1.00	0.00	H
ATOM	24	H61	A A	1	41.516	-49.977	30.124	1.00	0.00	H
ATOM	25	H62	A A	1	41.554	-48.461	29.185	1.00	0.00	H
ATOM	26	H5T	A A	1	38.856	-45.662	22.743	1.00	0.00	H
ATOM	27	H2'1	A A	1	36.943	-46.803	24.746	1.00	0.00	H
ATOM	28	H2'2	A A	1	35.445	-47.647	25.110	1.00	0.00	H
ATOM	29	H5'1	A A	1	39.437	-48.203	22.213	1.00	0.00	H
ATOM	30	H5'2	A A	1	38.364	-47.275	21.144	1.00	0.00	H
ATOM	31	C1'	G A	2	33.934	-51.197	27.889	1.00	0.00	C
ATOM	32	N1	G A	2	37.518	-50.344	31.415	1.00	0.00	N
ATOM	33	C2	G A	2	36.740	-51.464	31.196	1.00	0.00	C
ATOM	34	N2	G A	2	36.941	-52.493	32.026	1.00	0.00	N
ATOM	35	N3	G A	2	35.833	-51.553	30.224	1.00	0.00	N
ATOM	36	C4	G A	2	35.757	-50.415	29.483	1.00	0.00	C
ATOM	37	C5	G A	2	36.490	-49.248	29.631	1.00	0.00	C
ATOM	38	C6	G A	2	37.458	-49.158	30.661	1.00	0.00	C
ATOM	39	O6	G A	2	38.200	-48.219	30.947	1.00	0.00	O
ATOM	40	N7	G A	2	36.111	-48.314	28.666	1.00	0.00	N
ATOM	41	C8	G A	2	35.183	-48.929	27.979	1.00	0.00	C
ATOM	42	N9	G A	2	34.912	-50.210	28.416	1.00	0.00	N

ATOM	43	C2'	G A	2	32.622	-50.578	27.425	1.00	0.00	C
ATOM	44	C3'	G A	2	32.264	-51.443	26.230	1.00	0.00	C
ATOM	45	O3'	G A	2	31.586	-52.612	26.683	1.00	0.00	O
ATOM	46	C4'	G A	2	33.629	-51.767	25.624	1.00	0.00	C
ATOM	47	O4'	G A	2	34.526	-51.843	26.778	1.00	0.00	O
ATOM	48	C5'	G A	2	34.185	-50.760	24.645	1.00	0.00	C
ATOM	49	O5'	G A	2	33.833	-49.420	25.068	1.00	0.00	O
ATOM	50	O1P	G A	2	32.281	-48.626	23.252	1.00	0.00	O
ATOM	51	O2P	G A	2	33.631	-46.967	24.563	1.00	0.00	O
ATOM	52	P	G A	2	33.542	-48.316	23.953	1.00	0.00	P
ATOM	53	H1	G A	2	38.193	-50.380	32.193	1.00	0.00	H
ATOM	54	H8	G A	2	34.669	-48.470	27.135	1.00	0.00	H
ATOM	55	H1'	G A	2	33.758	-51.949	28.659	1.00	0.00	H
ATOM	56	H21	G A	2	37.645	-52.421	32.775	1.00	0.00	H
ATOM	57	H3'	G A	2	31.633	-50.914	25.515	1.00	0.00	H
ATOM	58	H22	G A	2	36.391	-53.358	31.916	1.00	0.00	H
ATOM	59	H4'	G A	2	33.527	-52.717	25.102	1.00	0.00	H
ATOM	60	H2'1	G A	2	32.739	-49.532	27.137	1.00	0.00	H
ATOM	61	H2'2	G A	2	31.849	-50.622	28.194	1.00	0.00	H
ATOM	62	H5'1	G A	2	35.269	-50.861	24.604	1.00	0.00	H
ATOM	63	H5'2	G A	2	33.770	-50.957	23.656	1.00	0.00	H
ATOM	64	C1'	G A	3	32.412	-52.924	32.274	1.00	0.00	C
ATOM	65	N1	G A	3	35.636	-49.436	34.129	1.00	0.00	N
ATOM	66	C2	G A	3	35.419	-50.741	34.526	1.00	0.00	C
ATOM	67	N2	G A	3	36.156	-51.174	35.557	1.00	0.00	N
ATOM	68	N3	G A	3	34.537	-51.549	33.944	1.00	0.00	N
ATOM	69	C4	G A	3	33.875	-50.943	32.924	1.00	0.00	C
ATOM	70	C5	G A	3	34.024	-49.646	32.461	1.00	0.00	C
ATOM	71	C6	G A	3	34.964	-48.788	33.076	1.00	0.00	C
ATOM	72	O6	G A	3	35.239	-47.617	32.809	1.00	0.00	O
ATOM	73	N7	G A	3	33.154	-49.412	31.393	1.00	0.00	N
ATOM	74	C8	G A	3	32.522	-50.547	31.245	1.00	0.00	C
ATOM	75	N9	G A	3	32.905	-51.526	32.139	1.00	0.00	N
ATOM	76	C2'	G A	3	30.917	-53.076	32.030	1.00	0.00	C
ATOM	77	C3'	G A	3	30.842	-54.429	31.345	1.00	0.00	C
ATOM	78	O3'	G A	3	30.816	-55.455	32.335	1.00	0.00	O
ATOM	79	C4'	G A	3	32.125	-54.462	30.516	1.00	0.00	C
ATOM	80	O4'	G A	3	33.093	-53.715	31.319	1.00	0.00	O
ATOM	81	C5'	G A	3	32.052	-53.836	29.142	1.00	0.00	C
ATOM	82	O5'	G A	3	31.192	-52.670	29.179	1.00	0.00	O
ATOM	83	O1P	G A	3	29.243	-53.334	27.732	1.00	0.00	O
ATOM	84	O2P	G A	3	29.859	-50.914	27.973	1.00	0.00	O
ATOM	85	P	G A	3	30.308	-52.327	27.897	1.00	0.00	P
ATOM	86	H1	G A	3	36.347	-48.893	34.645	1.00	0.00	H
ATOM	87	H8	G A	3	31.760	-50.708	30.484	1.00	0.00	H
ATOM	88	H1'	G A	3	32.685	-53.288	33.265	1.00	0.00	H
ATOM	89	H21	G A	3	36.839	-50.544	36.002	1.00	0.00	H
ATOM	90	H3'	G A	3	29.960	-54.518	30.709	1.00	0.00	H
ATOM	91	H22	G A	3	36.041	-52.137	35.902	1.00	0.00	H
ATOM	92	H4'	G A	3	32.395	-55.511	30.390	1.00	0.00	H
ATOM	93	H2'1	G A	3	30.521	-52.286	31.393	1.00	0.00	H
ATOM	94	H2'2	G A	3	30.344	-53.066	32.958	1.00	0.00	H
ATOM	95	H5'1	G A	3	33.054	-53.548	28.827	1.00	0.00	H
ATOM	96	H5'2	G A	3	31.652	-54.566	28.437	1.00	0.00	H

ATOM	97	C1'	C	A	4	32.361	-53.060	37.225	1.00	0.00	C
ATOM	98	N1	C	A	4	32.163	-51.774	36.503	1.00	0.00	N
ATOM	99	C2	C	A	4	32.960	-50.692	36.870	1.00	0.00	C
ATOM	100	O2	C	A	4	33.791	-50.840	37.773	1.00	0.00	O
ATOM	101	N3	C	A	4	32.795	-49.512	36.223	1.00	0.00	N
ATOM	102	C4	C	A	4	31.885	-49.382	35.250	1.00	0.00	C
ATOM	103	N4	C	A	4	31.769	-48.205	34.649	1.00	0.00	N
ATOM	104	C5	C	A	4	31.052	-50.478	34.854	1.00	0.00	C
ATOM	105	C6	C	A	4	31.236	-51.656	35.515	1.00	0.00	C
ATOM	106	C2'	C	A	4	31.070	-53.823	37.487	1.00	0.00	C
ATOM	107	C3'	C	A	4	31.519	-55.269	37.335	1.00	0.00	C
ATOM	108	O3'	C	A	4	32.069	-55.718	38.571	1.00	0.00	O
ATOM	109	C4'	C	A	4	32.569	-55.184	36.230	1.00	0.00	C
ATOM	110	O4'	C	A	4	33.198	-53.878	36.427	1.00	0.00	O
ATOM	111	C5'	C	A	4	32.058	-55.265	34.812	1.00	0.00	C
ATOM	112	O5'	C	A	4	30.782	-54.582	34.710	1.00	0.00	O
ATOM	113	O1P	C	A	4	29.166	-56.439	34.189	1.00	0.00	O
ATOM	114	O2P	C	A	4	28.672	-54.099	33.433	1.00	0.00	O
ATOM	115	P	C	A	4	29.686	-55.147	33.699	1.00	0.00	P
ATOM	116	H5	C	A	4	30.307	-50.373	34.064	1.00	0.00	H
ATOM	117	H6	C	A	4	30.629	-52.521	35.246	1.00	0.00	H
ATOM	118	H1'	C	A	4	32.887	-52.850	38.156	1.00	0.00	H
ATOM	119	H3'	C	A	4	30.696	-55.923	37.048	1.00	0.00	H
ATOM	120	H4'	C	A	4	33.256	-56.016	36.384	1.00	0.00	H
ATOM	121	H41	C	A	4	31.077	-48.077	33.896	1.00	0.00	H
ATOM	122	H42	C	A	4	32.369	-47.418	34.937	1.00	0.00	H
ATOM	123	H2'1	C	A	4	30.289	-53.574	36.769	1.00	0.00	H
ATOM	124	H2'2	C	A	4	30.672	-53.631	38.484	1.00	0.00	H
ATOM	125	H5'1	C	A	4	32.780	-54.797	34.143	1.00	0.00	H
ATOM	126	H5'2	C	A	4	31.938	-56.311	34.533	1.00	0.00	H
ATOM	127	C1'	C	A	5	32.972	-51.106	41.734	1.00	0.00	C
ATOM	128	N1	C	A	5	32.136	-50.412	40.717	1.00	0.00	N
ATOM	129	C2	C	A	5	32.404	-49.069	40.459	1.00	0.00	C
ATOM	130	O2	C	A	5	33.318	-48.510	41.082	1.00	0.00	O
ATOM	131	N3	C	A	5	31.655	-48.419	39.535	1.00	0.00	N
ATOM	132	C4	C	A	5	30.672	-49.048	38.879	1.00	0.00	C
ATOM	133	N4	C	A	5	29.974	-48.365	37.985	1.00	0.00	N
ATOM	134	C5	C	A	5	30.373	-50.427	39.126	1.00	0.00	C
ATOM	135	C6	C	A	5	31.142	-51.062	40.057	1.00	0.00	C
ATOM	136	C2'	C	A	5	32.196	-52.096	42.593	1.00	0.00	C
ATOM	137	C3'	C	A	5	33.220	-53.200	42.805	1.00	0.00	C
ATOM	138	O3'	C	A	5	34.059	-52.855	43.906	1.00	0.00	O
ATOM	139	C4'	C	A	5	33.981	-53.217	41.483	1.00	0.00	C
ATOM	140	O4'	C	A	5	33.982	-51.820	41.047	1.00	0.00	O
ATOM	141	C5'	C	A	5	33.393	-54.067	40.380	1.00	0.00	C
ATOM	142	O5'	C	A	5	31.945	-54.002	40.431	1.00	0.00	O
ATOM	143	O1P	C	A	5	31.276	-56.350	41.042	1.00	0.00	O
ATOM	144	O2P	C	A	5	29.704	-54.898	39.730	1.00	0.00	O
ATOM	145	P	C	A	5	31.103	-55.293	40.025	1.00	0.00	P
ATOM	146	H5	C	A	5	29.570	-50.943	38.598	1.00	0.00	H
ATOM	147	H6	C	A	5	30.956	-52.115	40.276	1.00	0.00	H
ATOM	148	H1'	C	A	5	33.456	-50.348	42.350	1.00	0.00	H
ATOM	149	H3'	C	A	5	32.747	-54.163	43.001	1.00	0.00	H
ATOM	150	H4'	C	A	5	34.980	-53.598	41.697	1.00	0.00	H

ATOM	151	H41	C A	5	29.213	-48.825	37.464	1.00	0.00	H
ATOM	152	H42	C A	5	30.190	-47.373	37.810	1.00	0.00	H
ATOM	153	H2'1	C A	5	31.307	-52.471	42.090	1.00	0.00	H
ATOM	154	H2'2	C A	5	31.878	-51.660	43.542	1.00	0.00	H
ATOM	155	H5'1	C A	5	33.745	-53.697	39.417	1.00	0.00	H
ATOM	156	H5'2	C A	5	33.720	-55.098	40.512	1.00	0.00	H
ATOM	157	C1'	G A	6	33.184	-47.358	44.965	1.00	0.00	C
ATOM	158	N1	G A	6	30.172	-45.014	41.579	1.00	0.00	N
ATOM	159	C2	G A	6	31.257	-44.529	42.287	1.00	0.00	C
ATOM	160	N2	G A	6	31.582	-43.250	42.066	1.00	0.00	N
ATOM	161	N3	G A	6	31.962	-45.263	43.147	1.00	0.00	N
ATOM	162	C4	G A	6	31.489	-46.532	43.253	1.00	0.00	C
ATOM	163	C5	G A	6	30.413	-47.101	42.590	1.00	0.00	C
ATOM	164	C6	G A	6	29.667	-46.325	41.675	1.00	0.00	C
ATOM	165	O6	G A	6	28.690	-46.647	40.999	1.00	0.00	O
ATOM	166	N7	G A	6	30.255	-48.432	42.982	1.00	0.00	N
ATOM	167	C8	G A	6	31.218	-48.625	43.844	1.00	0.00	C
ATOM	168	N9	G A	6	32.011	-47.516	44.063	1.00	0.00	N
ATOM	169	C2'	G A	6	33.046	-48.099	46.286	1.00	0.00	C
ATOM	170	C3'	G A	6	34.474	-48.553	46.546	1.00	0.00	C
ATOM	171	O3'	G A	6	35.194	-47.497	47.179	1.00	0.00	O
ATOM	172	C4'	G A	6	34.998	-48.849	45.143	1.00	0.00	C
ATOM	173	O4'	G A	6	34.318	-47.872	44.291	1.00	0.00	O
ATOM	174	C5'	G A	6	34.726	-50.233	44.603	1.00	0.00	C
ATOM	175	O5'	G A	6	33.422	-50.686	45.044	1.00	0.00	O
ATOM	176	O1P	G A	6	33.960	-52.620	46.561	1.00	0.00	O
ATOM	177	O2P	G A	6	31.760	-52.543	45.359	1.00	0.00	O
ATOM	178	P	G A	6	33.211	-52.237	45.350	1.00	0.00	P
ATOM	179	H1	G A	6	29.699	-44.365	40.932	1.00	0.00	H
ATOM	180	H8	G A	6	31.383	-49.577	44.349	1.00	0.00	H
ATOM	181	H1'	G A	6	33.347	-46.292	45.129	1.00	0.00	H
ATOM	182	H21	G A	6	31.035	-42.689	41.397	1.00	0.00	H
ATOM	183	H3'	G A	6	34.512	-49.442	47.177	1.00	0.00	H
ATOM	184	H22	G A	6	32.379	-42.827	42.564	1.00	0.00	H
ATOM	185	H4'	G A	6	36.077	-48.708	45.172	1.00	0.00	H
ATOM	186	H2'1	G A	6	32.366	-48.949	46.215	1.00	0.00	H
ATOM	187	H2'2	G A	6	32.681	-47.455	47.087	1.00	0.00	H
ATOM	188	H5'1	G A	6	34.758	-50.205	43.515	1.00	0.00	H
ATOM	189	H5'2	G A	6	35.495	-50.915	44.964	1.00	0.00	H
ATOM	190	C1'	C A	7	32.093	-42.800	46.568	1.00	0.00	C
ATOM	191	N1	C A	7	31.012	-43.732	46.144	1.00	0.00	N
ATOM	192	C2	C A	7	30.082	-43.270	45.214	1.00	0.00	C
ATOM	193	O2	C A	7	30.190	-42.116	44.783	1.00	0.00	O
ATOM	194	N3	C A	7	29.089	-44.102	44.816	1.00	0.00	N
ATOM	195	C4	C A	7	28.997	-45.347	45.300	1.00	0.00	C
ATOM	196	N4	C A	7	28.008	-46.119	44.874	1.00	0.00	N
ATOM	197	C5	C A	7	29.936	-45.847	46.260	1.00	0.00	C
ATOM	198	C6	C A	7	30.932	-44.992	46.646	1.00	0.00	C
ATOM	199	C2'	C A	7	32.455	-42.911	48.044	1.00	0.00	C
ATOM	200	C3'	C A	7	33.956	-42.670	48.019	1.00	0.00	C
ATOM	201	O3'	C A	7	34.205	-41.265	48.032	1.00	0.00	O
ATOM	202	C4'	C A	7	34.385	-43.320	46.706	1.00	0.00	C
ATOM	203	O4'	C A	7	33.247	-43.109	45.809	1.00	0.00	O
ATOM	204	C5'	C A	7	34.690	-44.799	46.758	1.00	0.00	C

ATOM	205	O5'	C A	7	33.784	-45.455	47.678	1.00	0.00	O
ATOM	206	O1P	C A	7	35.296	-46.238	49.531	1.00	0.00	O
ATOM	207	O2P	C A	7	33.161	-47.465	49.051	1.00	0.00	O
ATOM	208	P	C A	7	34.315	-46.697	48.526	1.00	0.00	P
ATOM	209	H5	C A	7	29.863	-46.857	46.664	1.00	0.00	H
ATOM	210	H6	C A	7	31.675	-45.330	47.368	1.00	0.00	H
ATOM	211	H1'	C A	7	31.787	-41.786	46.316	1.00	0.00	H
ATOM	212	H3'	C A	7	34.457	-43.133	48.870	1.00	0.00	H
ATOM	213	H4'	C A	7	35.288	-42.805	46.378	1.00	0.00	H
ATOM	214	H41	C A	7	27.915	-47.081	45.228	1.00	0.00	H
ATOM	215	H42	C A	7	27.332	-45.758	44.185	1.00	0.00	H
ATOM	216	H2'1	C A	7	32.217	-43.891	48.455	1.00	0.00	H
ATOM	217	H2'2	C A	7	31.942	-42.166	48.652	1.00	0.00	H
ATOM	218	H5'1	C A	7	34.575	-45.225	45.760	1.00	0.00	H
ATOM	219	H5'2	C A	7	35.718	-44.940	47.090	1.00	0.00	H
ATOM	220	C1'	A A	8	29.309	-38.717	46.828	1.00	0.00	C
ATOM	221	N1	A A	8	25.511	-41.915	45.524	1.00	0.00	N
ATOM	222	C2	A A	8	25.826	-40.685	45.129	1.00	0.00	C
ATOM	223	N3	A A	8	26.824	-39.916	45.504	1.00	0.00	N
ATOM	224	C4	A A	8	27.576	-40.546	46.425	1.00	0.00	C
ATOM	225	C5	A A	8	27.390	-41.799	46.936	1.00	0.00	C
ATOM	226	C6	A A	8	26.280	-42.518	46.443	1.00	0.00	C
ATOM	227	N6	A A	8	25.973	-43.761	46.851	1.00	0.00	N
ATOM	228	N7	A A	8	28.367	-42.112	47.865	1.00	0.00	N
ATOM	229	C8	A A	8	29.114	-41.047	47.901	1.00	0.00	C
ATOM	230	N9	A A	8	28.697	-40.055	47.051	1.00	0.00	N
ATOM	231	C2'	A A	8	29.861	-38.076	48.093	1.00	0.00	C
ATOM	232	C3'	A A	8	31.090	-37.350	47.571	1.00	0.00	C
ATOM	233	O3'	A A	8	30.698	-36.079	47.059	1.00	0.00	O
ATOM	234	C4'	A A	8	31.595	-38.283	46.471	1.00	0.00	C
ATOM	235	O4'	A A	8	30.376	-38.878	45.915	1.00	0.00	O
ATOM	236	C5'	A A	8	32.520	-39.394	46.908	1.00	0.00	C
ATOM	237	O5'	A A	8	32.110	-39.892	48.207	1.00	0.00	O
ATOM	238	O1P	A A	8	34.028	-39.250	49.706	1.00	0.00	O
ATOM	239	O2P	A A	8	32.602	-41.236	50.272	1.00	0.00	O
ATOM	240	P	A A	8	33.231	-40.395	49.224	1.00	0.00	P
ATOM	241	H2	A A	8	25.161	-40.253	44.384	1.00	0.00	H
ATOM	242	H8	A A	8	29.990	-40.952	48.544	1.00	0.00	H
ATOM	243	H1'	A A	8	28.561	-38.077	46.359	1.00	0.00	H
ATOM	244	H3'	A A	8	31.843	-37.211	48.345	1.00	0.00	H
ATOM	245	H4'	A A	8	32.132	-37.665	45.753	1.00	0.00	H
ATOM	246	H61	A A	8	25.153	-44.244	46.458	1.00	0.00	H
ATOM	247	H62	A A	8	26.558	-44.230	47.559	1.00	0.00	H
ATOM	248	H2'1	A A	8	30.128	-38.814	48.848	1.00	0.00	H
ATOM	249	H2'2	A A	8	29.153	-37.382	48.547	1.00	0.00	H
ATOM	250	H5'1	A A	8	32.478	-40.201	46.176	1.00	0.00	H
ATOM	251	H5'2	A A	8	33.538	-39.012	46.965	1.00	0.00	H
ATOM	252	C1'	C A	9	25.014	-36.243	46.500	1.00	0.00	C
ATOM	253	N1	C A	9	25.111	-37.476	47.329	1.00	0.00	N
ATOM	254	C2	C A	9	24.165	-38.477	47.125	1.00	0.00	C
ATOM	255	O2	C A	9	23.286	-38.303	46.270	1.00	0.00	O
ATOM	256	N3	C A	9	24.237	-39.608	47.870	1.00	0.00	N
ATOM	257	C4	C A	9	25.198	-39.767	48.789	1.00	0.00	C
ATOM	258	N4	C A	9	25.223	-40.893	49.487	1.00	0.00	N

ATOM	259	C5	C A	9	26.184	-38.751	49.024	1.00	0.00	C
ATOM	260	C6	C A	9	26.095	-37.623	48.259	1.00	0.00	C
ATOM	261	C2'	C A	9	25.357	-34.968	47.255	1.00	0.00	C
ATOM	262	C3'	C A	9	26.051	-34.141	46.182	1.00	0.00	C
ATOM	263	O3'	C A	9	25.068	-33.457	45.410	1.00	0.00	O
ATOM	264	C4'	C A	9	26.793	-35.197	45.367	1.00	0.00	C
ATOM	265	O4'	C A	9	25.926	-36.375	45.425	1.00	0.00	O
ATOM	266	C5'	C A	9	28.167	-35.586	45.863	1.00	0.00	C
ATOM	267	O5'	C A	9	28.182	-35.585	47.313	1.00	0.00	O
ATOM	268	O1P	C A	9	29.759	-33.706	47.877	1.00	0.00	O
ATOM	269	O2P	C A	9	29.472	-35.623	49.471	1.00	0.00	O
ATOM	270	P	C A	9	29.520	-35.150	48.065	1.00	0.00	P
ATOM	271	H5	C A	9	26.964	-38.874	49.776	1.00	0.00	H
ATOM	272	H6	C A	9	26.826	-36.827	48.395	1.00	0.00	H
ATOM	273	H1'	C A	9	24.008	-36.193	46.083	1.00	0.00	H
ATOM	274	H3'	C A	9	26.743	-33.416	46.610	1.00	0.00	H
ATOM	275	H4'	C A	9	26.903	-34.800	44.359	1.00	0.00	H
ATOM	276	H41	C A	9	25.954	-41.041	50.199	1.00	0.00	H
ATOM	277	H42	C A	9	24.512	-41.619	49.319	1.00	0.00	H
ATOM	278	H2'1	C A	9	26.017	-35.151	48.102	1.00	0.00	H
ATOM	279	H2'2	C A	9	24.469	-34.460	47.636	1.00	0.00	H
ATOM	280	H5'1	C A	9	28.414	-36.581	45.492	1.00	0.00	H
ATOM	281	H5'2	C A	9	28.897	-34.871	45.486	1.00	0.00	H
ATOM	282	C1'	C A	10	20.078	-35.852	46.627	1.00	0.00	C
ATOM	283	N1	C A	10	20.814	-36.492	47.752	1.00	0.00	N
ATOM	284	C2	C A	10	20.396	-37.753	48.171	1.00	0.00	C
ATOM	285	O2	C A	10	19.435	-38.285	47.597	1.00	0.00	O
ATOM	286	N3	C A	10	21.052	-38.354	49.193	1.00	0.00	N
ATOM	287	C4	C A	10	22.087	-37.751	49.795	1.00	0.00	C
ATOM	288	N4	C A	10	22.695	-38.386	50.788	1.00	0.00	N
ATOM	289	C5	C A	10	22.537	-36.453	49.387	1.00	0.00	C
ATOM	290	C6	C A	10	21.862	-35.869	48.352	1.00	0.00	C
ATOM	291	C2'	C A	10	19.906	-34.348	46.784	1.00	0.00	C
ATOM	292	C3'	C A	10	20.024	-33.863	45.347	1.00	0.00	C
ATOM	293	O3'	C A	10	18.753	-33.973	44.710	1.00	0.00	O
ATOM	294	C4'	C A	10	21.054	-34.818	44.751	1.00	0.00	C
ATOM	295	O4'	C A	10	20.816	-36.085	45.442	1.00	0.00	O
ATOM	296	C5'	C A	10	22.506	-34.437	44.929	1.00	0.00	C
ATOM	297	O5'	C A	10	22.695	-33.819	46.227	1.00	0.00	O
ATOM	298	O1P	C A	10	23.324	-31.449	45.658	1.00	0.00	O
ATOM	299	O2P	C A	10	24.113	-32.476	47.807	1.00	0.00	O
ATOM	300	P	C A	10	23.777	-32.658	46.374	1.00	0.00	P
ATOM	301	H5	C A	10	23.375	-35.956	49.878	1.00	0.00	H
ATOM	302	H6	C A	10	22.174	-34.885	48.001	1.00	0.00	H
ATOM	303	H1'	C A	10	19.114	-36.347	46.524	1.00	0.00	H
ATOM	304	H3'	C A	10	20.366	-32.829	45.292	1.00	0.00	H
ATOM	305	H4'	C A	10	20.854	-34.871	43.680	1.00	0.00	H
ATOM	306	H41	C A	10	23.495	-37.946	51.266	1.00	0.00	H
ATOM	307	H42	C A	10	22.367	-39.318	51.080	1.00	0.00	H
ATOM	308	H2'1	C A	10	20.675	-33.905	47.415	1.00	0.00	H
ATOM	309	H2'2	C A	10	18.937	-34.085	47.214	1.00	0.00	H
ATOM	310	H5'1	C A	10	23.124	-35.333	44.854	1.00	0.00	H
ATOM	311	H5'2	C A	10	22.791	-33.738	44.143	1.00	0.00	H
ATOM	312	C1'	T A	11	15.533	-37.237	48.014	1.00	0.00	C

ATOM	313	N1	T A	11	16.601	-37.051	49.034	1.00	0.00	N
ATOM	314	C2	T A	11	16.808	-38.084	49.924	1.00	0.00	C
ATOM	315	O2	T A	11	16.159	-39.116	49.900	1.00	0.00	O
ATOM	316	N3	T A	11	17.810	-37.871	50.853	1.00	0.00	N
ATOM	317	C4	T A	11	18.596	-36.742	50.968	1.00	0.00	C
ATOM	318	O4	T A	11	19.464	-36.664	51.848	1.00	0.00	O
ATOM	319	C5	T A	11	18.305	-35.717	49.995	1.00	0.00	C
ATOM	320	C6	T A	11	17.338	-35.892	49.074	1.00	0.00	C
ATOM	321	C7	T A	11	19.140	-34.473	50.080	1.00	0.00	C
ATOM	322	C2'	T A	11	14.744	-35.970	47.712	1.00	0.00	C
ATOM	323	C3'	T A	11	14.468	-36.112	46.225	1.00	0.00	C
ATOM	324	O3'	T A	11	13.306	-36.917	46.038	1.00	0.00	O
ATOM	325	C4'	T A	11	15.733	-36.796	45.710	1.00	0.00	C
ATOM	326	O4'	T A	11	16.151	-37.661	46.815	1.00	0.00	O
ATOM	327	C5'	T A	11	16.886	-35.890	45.341	1.00	0.00	C
ATOM	328	O5'	T A	11	16.939	-34.770	46.260	1.00	0.00	O
ATOM	329	O1P	T A	11	16.404	-32.791	44.800	1.00	0.00	O
ATOM	330	O2P	T A	11	17.810	-32.489	46.856	1.00	0.00	O
ATOM	331	P	T A	11	17.418	-33.351	45.713	1.00	0.00	P
ATOM	332	H3	T A	11	17.988	-38.628	51.527	1.00	0.00	H
ATOM	333	H6	T A	11	17.135	-35.104	48.347	1.00	0.00	H
ATOM	334	H1'	T A	11	14.873	-38.036	48.352	1.00	0.00	H
ATOM	335	H3'	T A	11	14.319	-35.147	45.743	1.00	0.00	H
ATOM	336	H4'	T A	11	15.451	-37.354	44.816	1.00	0.00	H
ATOM	337	H71	T A	11	18.507	-33.631	50.356	1.00	0.00	H
ATOM	338	H72	T A	11	19.915	-34.608	50.835	1.00	0.00	H
ATOM	339	H73	T A	11	19.603	-34.278	49.113	1.00	0.00	H
ATOM	340	H2'1	T A	11	15.315	-35.067	47.925	1.00	0.00	H
ATOM	341	H2'2	T A	11	13.817	-35.914	48.285	1.00	0.00	H
ATOM	342	H5'1	T A	11	17.816	-36.454	45.394	1.00	0.00	H
ATOM	343	H5'2	T A	11	16.742	-35.525	44.325	1.00	0.00	H
ATOM	344	C1'	A A	12	12.291	-39.460	51.043	1.00	0.00	C
ATOM	345	N1	A A	12	15.895	-38.625	54.603	1.00	0.00	N
ATOM	346	C2	A A	12	15.117	-39.670	54.339	1.00	0.00	C
ATOM	347	N3	A A	12	14.206	-39.820	53.399	1.00	0.00	N
ATOM	348	C4	A A	12	14.119	-38.705	52.655	1.00	0.00	C
ATOM	349	C5	A A	12	14.839	-37.552	52.793	1.00	0.00	C
ATOM	350	C6	A A	12	15.785	-37.527	53.840	1.00	0.00	C
ATOM	351	N6	A A	12	16.565	-36.462	54.097	1.00	0.00	N
ATOM	352	N7	A A	12	14.476	-36.617	51.840	1.00	0.00	N
ATOM	353	C8	A A	12	13.548	-37.216	51.154	1.00	0.00	C
ATOM	354	N9	A A	12	13.279	-38.489	51.589	1.00	0.00	N
ATOM	355	C2'	A A	12	10.992	-38.816	50.580	1.00	0.00	C
ATOM	356	C3'	A A	12	10.632	-39.666	49.371	1.00	0.00	C
ATOM	357	O3'	A A	12	9.936	-40.831	49.809	1.00	0.00	O
ATOM	358	C4'	A A	12	11.996	-40.000	48.771	1.00	0.00	C
ATOM	359	O4'	A A	12	12.885	-40.097	49.930	1.00	0.00	O
ATOM	360	C5'	A A	12	12.570	-38.990	47.806	1.00	0.00	C
ATOM	361	O5'	A A	12	12.232	-37.649	48.240	1.00	0.00	O
ATOM	362	O1P	A A	12	10.701	-36.817	46.423	1.00	0.00	O
ATOM	363	O2P	A A	12	12.063	-35.188	47.762	1.00	0.00	O
ATOM	364	P	A A	12	11.961	-36.530	47.137	1.00	0.00	P
ATOM	365	H2	A A	12	15.253	-40.529	54.997	1.00	0.00	H
ATOM	366	H8	A A	12	13.032	-36.753	50.311	1.00	0.00	H

ATOM	367	H1'	A	A	12	12.103	-40.216	51.804	1.00	0.00	H
ATOM	368	H3'	A	A	12	10.012	-39.122	48.659	1.00	0.00	H
ATOM	369	H4'	A	A	12	11.883	-40.944	48.238	1.00	0.00	H
ATOM	370	H61	A	A	12	17.242	-36.496	54.872	1.00	0.00	H
ATOM	371	H62	A	A	12	16.486	-35.614	53.516	1.00	0.00	H
ATOM	372	H2'1	A	A	12	11.123	-37.770	50.304	1.00	0.00	H
ATOM	373	H2'2	A	A	12	10.214	-38.859	51.342	1.00	0.00	H
ATOM	374	H5'1	A	A	12	13.653	-39.104	47.771	1.00	0.00	H
ATOM	375	H5'2	A	A	12	12.160	-39.170	46.813	1.00	0.00	H
ATOM	376	C1'	G	A	13	10.787	-41.188	55.448	1.00	0.00	C
ATOM	377	N1	G	A	13	14.013	-37.697	57.303	1.00	0.00	N
ATOM	378	C2	G	A	13	13.794	-39.005	57.702	1.00	0.00	C
ATOM	379	N2	G	A	13	14.530	-39.438	58.733	1.00	0.00	N
ATOM	380	N3	G	A	13	12.910	-39.812	57.117	1.00	0.00	N
ATOM	381	C4	G	A	13	12.250	-39.206	56.098	1.00	0.00	C
ATOM	382	C5	G	A	13	12.399	-37.909	55.634	1.00	0.00	C
ATOM	383	C6	G	A	13	13.339	-37.051	56.250	1.00	0.00	C
ATOM	384	O6	G	A	13	13.611	-35.880	55.984	1.00	0.00	O
ATOM	385	N7	G	A	13	11.528	-37.675	54.567	1.00	0.00	N
ATOM	386	C8	G	A	13	10.897	-38.811	54.420	1.00	0.00	C
ATOM	387	N9	G	A	13	11.279	-39.789	55.313	1.00	0.00	N
ATOM	388	C2'	G	A	13	9.292	-41.339	55.204	1.00	0.00	C
ATOM	389	C3'	G	A	13	9.216	-42.693	54.519	1.00	0.00	C
ATOM	390	O3'	G	A	13	9.191	-43.718	55.509	1.00	0.00	O
ATOM	391	C4'	G	A	13	10.499	-42.726	53.689	1.00	0.00	C
ATOM	392	O4'	G	A	13	11.467	-41.980	54.493	1.00	0.00	O
ATOM	393	C5'	G	A	13	10.426	-42.100	52.316	1.00	0.00	C
ATOM	394	O5'	G	A	13	9.567	-40.934	52.353	1.00	0.00	O
ATOM	395	O1P	G	A	13	7.618	-41.598	50.906	1.00	0.00	O
ATOM	396	O2P	G	A	13	8.234	-39.178	51.147	1.00	0.00	O
ATOM	397	P	G	A	13	8.682	-40.590	51.071	1.00	0.00	P
ATOM	398	H1	G	A	13	14.725	-37.157	57.818	1.00	0.00	H
ATOM	399	H8	G	A	13	10.134	-38.970	53.658	1.00	0.00	H
ATOM	400	H1'	G	A	13	11.060	-41.551	56.440	1.00	0.00	H
ATOM	401	H21	G	A	13	15.215	-38.808	59.176	1.00	0.00	H
ATOM	402	H3'	G	A	13	8.335	-42.781	53.884	1.00	0.00	H
ATOM	403	H22	G	A	13	14.413	-40.400	59.078	1.00	0.00	H
ATOM	404	H4'	G	A	13	10.769	-43.773	53.564	1.00	0.00	H
ATOM	405	H2'1	G	A	13	8.896	-40.548	54.567	1.00	0.00	H
ATOM	406	H2'2	G	A	13	8.719	-41.329	56.132	1.00	0.00	H
ATOM	407	H5'1	G	A	13	11.428	-41.811	52.000	1.00	0.00	H
ATOM	408	H5'2	G	A	13	10.027	-42.830	51.612	1.00	0.00	H
ATOM	409	C1'	G	A	14	10.736	-41.323	60.399	1.00	0.00	C
ATOM	410	N1	G	A	14	12.265	-36.475	59.984	1.00	0.00	N
ATOM	411	C2	G	A	14	12.702	-37.473	60.836	1.00	0.00	C
ATOM	412	N2	G	A	14	13.672	-37.134	61.694	1.00	0.00	N
ATOM	413	N3	G	A	14	12.208	-38.711	60.832	1.00	0.00	N
ATOM	414	C4	G	A	14	11.229	-38.873	59.905	1.00	0.00	C
ATOM	415	C5	G	A	14	10.727	-37.937	59.018	1.00	0.00	C
ATOM	416	C6	G	A	14	11.253	-36.624	59.017	1.00	0.00	C
ATOM	417	O6	G	A	14	10.942	-35.662	58.313	1.00	0.00	O
ATOM	418	N7	G	A	14	9.722	-38.506	58.233	1.00	0.00	N
ATOM	419	C8	G	A	14	9.650	-39.740	58.657	1.00	0.00	C
ATOM	420	N9	G	A	14	10.533	-40.040	59.673	1.00	0.00	N

ATOM	421	C2'	G A	14	9.447	-42.091	60.659	1.00	0.00	C
ATOM	422	C3'	G A	14	9.901	-43.534	60.512	1.00	0.00	C
ATOM	423	O3'	G A	14	10.453	-43.980	61.750	1.00	0.00	O
ATOM	424	C4'	G A	14	10.953	-43.448	59.408	1.00	0.00	C
ATOM	425	O4'	G A	14	11.576	-42.140	59.605	1.00	0.00	O
ATOM	426	C5'	G A	14	10.444	-43.534	57.988	1.00	0.00	C
ATOM	427	O5'	G A	14	9.167	-42.857	57.885	1.00	0.00	O
ATOM	428	O1P	G A	14	7.560	-44.721	57.364	1.00	0.00	O
ATOM	429	O2P	G A	14	7.057	-42.385	56.602	1.00	0.00	O
ATOM	430	P	G A	14	8.076	-43.430	56.872	1.00	0.00	P
ATOM	431	H1	G A	14	12.718	-35.552	60.062	1.00	0.00	H
ATOM	432	H8	G A	14	8.952	-40.470	58.244	1.00	0.00	H
ATOM	433	H1'	G A	14	11.258	-41.109	61.331	1.00	0.00	H
ATOM	434	H21	G A	14	14.051	-36.177	61.688	1.00	0.00	H
ATOM	435	H3'	G A	14	9.081	-44.193	60.224	1.00	0.00	H
ATOM	436	H22	G A	14	14.038	-37.832	62.357	1.00	0.00	H
ATOM	437	H4'	G A	14	11.643	-44.276	59.564	1.00	0.00	H
ATOM	438	H2'1	G A	14	8.666	-41.845	59.940	1.00	0.00	H
ATOM	439	H2'2	G A	14	9.046	-41.900	61.656	1.00	0.00	H
ATOM	440	H5'1	G A	14	11.166	-43.064	57.321	1.00	0.00	H
ATOM	441	H5'2	G A	14	10.330	-44.582	57.712	1.00	0.00	H
ATOM	442	C1'	A A	15	11.344	-39.391	64.915	1.00	0.00	C
ATOM	443	N1	A A	15	10.507	-34.943	62.498	1.00	0.00	N
ATOM	444	C2	A A	15	11.381	-35.308	63.433	1.00	0.00	C
ATOM	445	N3	A A	15	11.546	-36.478	64.013	1.00	0.00	N
ATOM	446	C4	A A	15	10.654	-37.365	63.532	1.00	0.00	C
ATOM	447	C5	A A	15	9.698	-37.151	62.580	1.00	0.00	C
ATOM	448	C6	A A	15	9.631	-35.850	62.038	1.00	0.00	C
ATOM	449	N6	A A	15	8.743	-35.493	61.095	1.00	0.00	N
ATOM	450	N7	A A	15	8.967	-38.301	62.340	1.00	0.00	N
ATOM	451	C8	A A	15	9.487	-39.177	63.147	1.00	0.00	C
ATOM	452	N9	A A	15	10.521	-38.681	63.902	1.00	0.00	N
ATOM	453	C2'	A A	15	10.556	-40.385	65.758	1.00	0.00	C
ATOM	454	C3'	A A	15	11.571	-41.500	65.967	1.00	0.00	C
ATOM	455	O3'	A A	15	12.404	-41.172	67.075	1.00	0.00	O
ATOM	456	C4'	A A	15	12.342	-41.509	64.648	1.00	0.00	C
ATOM	457	O4'	A A	15	12.354	-40.106	64.227	1.00	0.00	O
ATOM	458	C5'	A A	15	11.756	-42.341	63.533	1.00	0.00	C
ATOM	459	O5'	A A	15	10.308	-42.267	63.574	1.00	0.00	O
ATOM	460	O1P	A A	15	9.620	-44.617	64.155	1.00	0.00	O
ATOM	461	O2P	A A	15	8.066	-43.141	62.849	1.00	0.00	O
ATOM	462	P	A A	15	9.460	-43.549	63.148	1.00	0.00	P
ATOM	463	H2	A A	15	12.060	-34.522	63.766	1.00	0.00	H
ATOM	464	H8	A A	15	9.140	-40.207	63.218	1.00	0.00	H
ATOM	465	H1'	A A	15	11.831	-38.645	65.543	1.00	0.00	H
ATOM	466	H3'	A A	15	11.091	-42.462	66.148	1.00	0.00	H
ATOM	467	H4'	A A	15	13.336	-41.896	64.865	1.00	0.00	H
ATOM	468	H61	A A	15	8.739	-34.530	60.731	1.00	0.00	H
ATOM	469	H62	A A	15	8.067	-36.183	60.738	1.00	0.00	H
ATOM	470	H2'1	A A	15	9.668	-40.750	65.244	1.00	0.00	H
ATOM	471	H2'2	A A	15	10.236	-39.960	66.709	1.00	0.00	H
ATOM	472	H5'1	A A	15	12.116	-41.964	62.577	1.00	0.00	H
ATOM	473	H5'2	A A	15	12.073	-43.376	63.654	1.00	0.00	H
ATOM	474	C1'	C A	16	11.560	-35.621	68.138	1.00	0.00	C

ATOM	475	N1	C A	16	10.387	-35.774	67.235	1.00	0.00	N
ATOM	476	C2	C A	16	9.995	-34.669	66.482	1.00	0.00	C
ATOM	477	O2	C A	16	10.632	-33.614	66.594	1.00	0.00	O
ATOM	478	N3	C A	16	8.928	-34.786	65.653	1.00	0.00	N
ATOM	479	C4	C A	16	8.259	-35.942	65.554	1.00	0.00	C
ATOM	480	N4	C A	16	7.226	-36.001	64.724	1.00	0.00	N
ATOM	481	C5	C A	16	8.635	-37.093	66.319	1.00	0.00	C
ATOM	482	C6	C A	16	9.716	-36.953	67.144	1.00	0.00	C
ATOM	483	C2'	C A	16	11.416	-36.361	69.459	1.00	0.00	C
ATOM	484	C3'	C A	16	12.843	-36.821	69.722	1.00	0.00	C
ATOM	485	O3'	C A	16	13.565	-35.769	70.357	1.00	0.00	O
ATOM	486	C4'	C A	16	13.366	-37.118	68.319	1.00	0.00	C
ATOM	487	O4'	C A	16	12.691	-36.141	67.465	1.00	0.00	O
ATOM	488	C5'	C A	16	13.088	-38.504	67.779	1.00	0.00	C
ATOM	489	O5'	C A	16	11.781	-38.949	68.220	1.00	0.00	O
ATOM	490	O1P	C A	16	12.307	-40.887	69.739	1.00	0.00	O
ATOM	491	O2P	C A	16	10.110	-40.799	68.533	1.00	0.00	O
ATOM	492	P	C A	16	11.562	-40.498	68.525	1.00	0.00	P
ATOM	493	H5	C A	16	8.089	-38.035	66.247	1.00	0.00	H
ATOM	494	H6	C A	16	10.046	-37.804	67.741	1.00	0.00	H
ATOM	495	H1'	C A	16	11.727	-34.556	68.303	1.00	0.00	H
ATOM	496	H3'	C A	16	12.873	-37.712	70.352	1.00	0.00	H
ATOM	497	H4'	C A	16	14.447	-36.986	68.350	1.00	0.00	H
ATOM	498	H41	C A	16	6.695	-36.879	64.628	1.00	0.00	H
ATOM	499	H42	C A	16	6.954	-35.173	64.178	1.00	0.00	H
ATOM	500	H2'1	C A	16	10.734	-37.207	69.390	1.00	0.00	H
ATOM	501	H2'2	C A	16	11.054	-35.714	70.261	1.00	0.00	H
ATOM	502	H5'1	C A	16	13.122	-38.475	66.690	1.00	0.00	H
ATOM	503	H5'2	C A	16	13.853	-39.189	68.143	1.00	0.00	H
ATOM	504	C1'	G A	17	10.467	-31.065	69.741	1.00	0.00	C
ATOM	505	N1	G A	17	6.343	-31.628	66.792	1.00	0.00	N
ATOM	506	C2	G A	17	7.176	-30.533	66.955	1.00	0.00	C
ATOM	507	N2	G A	17	6.867	-29.446	66.238	1.00	0.00	N
ATOM	508	N3	G A	17	8.232	-30.528	67.767	1.00	0.00	N
ATOM	509	C4	G A	17	8.389	-31.709	68.418	1.00	0.00	C
ATOM	510	C5	G A	17	7.608	-32.850	68.322	1.00	0.00	C
ATOM	511	C6	G A	17	6.491	-32.859	67.456	1.00	0.00	C
ATOM	512	O6	G A	17	5.686	-33.765	67.237	1.00	0.00	O
ATOM	513	N7	G A	17	8.108	-33.850	69.159	1.00	0.00	N
ATOM	514	C8	G A	17	9.154	-33.298	69.720	1.00	0.00	C
ATOM	515	N9	G A	17	9.388	-31.999	69.321	1.00	0.00	N
ATOM	516	C2'	G A	17	10.835	-31.174	71.215	1.00	0.00	C
ATOM	517	C3'	G A	17	12.334	-30.928	71.188	1.00	0.00	C
ATOM	518	O3'	G A	17	12.578	-29.522	71.200	1.00	0.00	O
ATOM	519	C4'	G A	17	12.761	-31.576	69.872	1.00	0.00	C
ATOM	520	O4'	G A	17	11.621	-31.369	68.981	1.00	0.00	O
ATOM	521	C5'	G A	17	13.074	-33.053	69.924	1.00	0.00	C
ATOM	522	O5'	G A	17	12.170	-33.713	70.845	1.00	0.00	O
ATOM	523	O1P	G A	17	13.692	-34.489	72.694	1.00	0.00	O
ATOM	524	O2P	G A	17	11.560	-35.725	72.221	1.00	0.00	O
ATOM	525	P	G A	17	12.710	-34.952	71.692	1.00	0.00	P
ATOM	526	H1	G A	17	5.557	-31.530	66.132	1.00	0.00	H
ATOM	527	H8	G A	17	9.783	-33.820	70.441	1.00	0.00	H
ATOM	528	H1'	G A	17	10.157	-30.050	69.491	1.00	0.00	H

ATOM	529	H21	G	A	17	6.052	-29.459	65.610	1.00	0.00	H
ATOM	530	H3'	G	A	17	12.839	-31.390	72.038	1.00	0.00	H
ATOM	531	H22	G	A	17	7.446	-28.597	66.318	1.00	0.00	H
ATOM	532	H4'	G	A	17	13.661	-31.057	69.542	1.00	0.00	H
ATOM	533	H2'1	G	A	17	10.602	-32.156	71.628	1.00	0.00	H
ATOM	534	H2'2	G	A	17	10.321	-30.431	71.827	1.00	0.00	H
ATOM	535	H5'1	G	A	17	12.957	-33.477	68.926	1.00	0.00	H
ATOM	536	H5'2	G	A	17	14.103	-33.190	70.252	1.00	0.00	H
ATOM	537	C1'	G	A	18	7.663	-26.991	69.991	1.00	0.00	C
ATOM	538	N1	G	A	18	3.900	-30.189	68.713	1.00	0.00	N
ATOM	539	C2	G	A	18	4.171	-28.910	68.259	1.00	0.00	C
ATOM	540	N2	G	A	18	3.326	-28.418	67.342	1.00	0.00	N
ATOM	541	N3	G	A	18	5.202	-28.183	68.683	1.00	0.00	N
ATOM	542	C4	G	A	18	5.947	-28.835	69.613	1.00	0.00	C
ATOM	543	C5	G	A	18	5.750	-30.107	70.128	1.00	0.00	C
ATOM	544	C6	G	A	18	4.658	-30.882	69.673	1.00	0.00	C
ATOM	545	O6	G	A	18	4.322	-32.018	70.009	1.00	0.00	O
ATOM	546	N7	G	A	18	6.740	-30.405	71.065	1.00	0.00	N
ATOM	547	C8	G	A	18	7.489	-29.333	71.087	1.00	0.00	C
ATOM	548	N9	G	A	18	7.070	-28.336	70.233	1.00	0.00	N
ATOM	549	C2'	G	A	18	8.214	-26.328	71.246	1.00	0.00	C
ATOM	550	C3'	G	A	18	9.432	-25.594	70.708	1.00	0.00	C
ATOM	551	O3'	G	A	18	9.023	-24.332	70.184	1.00	0.00	O
ATOM	552	C4'	G	A	18	9.941	-26.533	69.616	1.00	0.00	C
ATOM	553	O4'	G	A	18	8.729	-27.147	69.075	1.00	0.00	O
ATOM	554	C5'	G	A	18	10.881	-27.629	70.061	1.00	0.00	C
ATOM	555	O5'	G	A	18	10.485	-28.115	71.367	1.00	0.00	O
ATOM	556	O1P	G	A	18	12.404	-27.435	72.849	1.00	0.00	O
ATOM	557	O2P	G	A	18	11.007	-29.429	73.445	1.00	0.00	O
ATOM	558	P	G	A	18	11.619	-28.593	72.384	1.00	0.00	P
ATOM	559	H1	G	A	18	3.079	-30.670	68.314	1.00	0.00	H
ATOM	560	H8	G	A	18	8.367	-29.235	71.727	1.00	0.00	H
ATOM	561	H1'	G	A	18	6.905	-26.364	69.519	1.00	0.00	H
ATOM	562	H21	G	A	18	2.532	-28.989	67.017	1.00	0.00	H
ATOM	563	H3'	G	A	18	10.188	-25.437	71.478	1.00	0.00	H
ATOM	564	H22	G	A	18	3.471	-27.471	66.968	1.00	0.00	H
ATOM	565	H4'	G	A	18	10.469	-25.917	68.889	1.00	0.00	H
ATOM	566	H2'1	G	A	18	8.494	-27.055	72.007	1.00	0.00	H
ATOM	567	H2'2	G	A	18	7.500	-25.639	71.698	1.00	0.00	H
ATOM	568	H5'1	G	A	18	10.847	-28.444	69.339	1.00	0.00	H
ATOM	569	H5'2	G	A	18	11.895	-27.233	70.106	1.00	0.00	H
ATOM	570	C1'	T	A	19	3.403	-24.489	69.676	1.00	0.00	C
ATOM	571	N1	T	A	19	3.482	-25.728	70.494	1.00	0.00	N
ATOM	572	C2	T	A	19	2.525	-26.696	70.267	1.00	0.00	C
ATOM	573	O2	T	A	19	1.642	-26.568	69.436	1.00	0.00	O
ATOM	574	N3	T	A	19	2.637	-27.830	71.049	1.00	0.00	N
ATOM	575	C4	T	A	19	3.591	-28.073	72.013	1.00	0.00	C
ATOM	576	O4	T	A	19	3.587	-29.130	72.655	1.00	0.00	O
ATOM	577	C5	T	A	19	4.547	-27.005	72.182	1.00	0.00	C
ATOM	578	C6	T	A	19	4.470	-25.884	71.436	1.00	0.00	C
ATOM	579	C7	T	A	19	5.606	-27.227	73.220	1.00	0.00	C
ATOM	580	C2'	T	A	19	3.758	-23.221	70.444	1.00	0.00	C
ATOM	581	C3'	T	A	19	4.467	-22.395	69.382	1.00	0.00	C
ATOM	582	O3'	T	A	19	3.496	-21.691	68.610	1.00	0.00	O

ATOM	583	C4'	T A	19	5.200	-23.453	68.562	1.00	0.00	C
ATOM	584	O4'	T A	19	4.318	-24.619	68.605	1.00	0.00	O
ATOM	585	C5'	T A	19	6.567	-23.861	69.060	1.00	0.00	C
ATOM	586	O5'	T A	19	6.575	-23.874	70.510	1.00	0.00	O
ATOM	587	O1P	T A	19	8.170	-22.018	71.098	1.00	0.00	O
ATOM	588	O2P	T A	19	7.852	-23.944	72.673	1.00	0.00	O
ATOM	589	P	T A	19	7.913	-23.461	71.273	1.00	0.00	P
ATOM	590	H3	T A	19	1.936	-28.570	70.894	1.00	0.00	H
ATOM	591	H6	T A	19	5.205	-25.091	71.580	1.00	0.00	H
ATOM	592	H1'	T A	19	2.400	-24.421	69.255	1.00	0.00	H
ATOM	593	H3'	T A	19	5.165	-21.681	69.820	1.00	0.00	H
ATOM	594	H4'	T A	19	5.322	-23.047	67.556	1.00	0.00	H
ATOM	595	H71	T A	19	5.478	-26.510	74.030	1.00	0.00	H
ATOM	596	H72	T A	19	5.520	-28.238	73.615	1.00	0.00	H
ATOM	597	H73	T A	19	6.592	-27.095	72.771	1.00	0.00	H
ATOM	598	H2'1	T A	19	4.411	-23.421	71.292	1.00	0.00	H
ATOM	599	H2'2	T A	19	2.875	-22.707	70.824	1.00	0.00	H
ATOM	600	H5'1	T A	19	6.804	-24.856	68.682	1.00	0.00	H
ATOM	601	H5'2	T A	19	7.308	-23.152	68.694	1.00	0.00	H
ATOM	602	C01	LNK A	20	1.716	-18.491	69.277	0.00	0.00	C
ATOM	603	O1	LNK A	20	2.619	-19.531	69.660	1.00	0.00	O
ATOM	604	S	LNK A	20	0.113	-15.186	70.811	0.00	0.00	S
ATOM	605	C02	LNK A	20	1.567	-17.489	70.437	0.00	0.00	C
ATOM	606	C03	LNK A	20	0.114	-16.978	70.491	0.00	0.00	C
ATOM	607	O1P	LNK A	20	2.171	-21.681	70.889	1.00	0.00	O
ATOM	608	O2P	LNK A	20	0.831	-21.098	68.849	1.00	0.00	O
ATOM	609	P	LNK A	20	2.133	-21.046	69.557	1.00	0.00	P
ATOM	610	H01	LNK A	20	0.742	-18.922	69.042	0.00	0.00	H
ATOM	611	H02	LNK A	20	2.106	-17.975	68.400	0.00	0.00	H
ATOM	612	H03	LNK A	20	-0.421	-17.490	71.291	0.00	0.00	H
ATOM	613	H04	LNK A	20	2.243	-16.648	70.279	0.00	0.00	H
ATOM	614	H05	LNK A	20	1.814	-17.983	71.377	0.00	0.00	H
ATOM	615	H06	LNK A	20	-0.378	-17.177	69.539	0.00	0.00	H
ATOM	616	AU	LNK A	20	-0.528	-14.976	70.935			
TER										
ATOM	618	C1'	A B	2	-3.129	-33.214	69.374	1.00	0.00	C
ATOM	619	N1	A B	2	0.636	-29.957	70.625	1.00	0.00	N
ATOM	620	C2	A B	2	-0.348	-29.892	69.734	1.00	0.00	C
ATOM	621	N3	A B	2	-1.292	-30.769	69.464	1.00	0.00	N
ATOM	622	C4	A B	2	-1.154	-31.857	70.247	1.00	0.00	C
ATOM	623	C5	A B	2	-0.202	-32.078	71.202	1.00	0.00	C
ATOM	624	C6	A B	2	0.747	-31.052	71.392	1.00	0.00	C
ATOM	625	N6	A B	2	1.740	-31.130	72.295	1.00	0.00	N
ATOM	626	N7	A B	2	-0.379	-33.311	71.806	1.00	0.00	N
ATOM	627	C8	A B	2	-1.420	-33.806	71.205	1.00	0.00	C
ATOM	628	N9	A B	2	-1.946	-32.978	70.248	1.00	0.00	N
ATOM	629	C2'	A B	2	-3.264	-34.657	68.903	1.00	0.00	C
ATOM	630	C3'	A B	2	-4.773	-34.844	68.890	1.00	0.00	C
ATOM	631	O3'	A B	2	-5.293	-34.357	67.656	1.00	0.00	O
ATOM	632	C4'	A B	2	-5.231	-34.004	70.081	1.00	0.00	C
ATOM	633	O4'	A B	2	-4.285	-32.886	70.120	1.00	0.00	O
ATOM	634	C5'	A B	2	-5.225	-34.689	71.428	1.00	0.00	C
ATOM	635	O5'	A B	2	-4.092	-35.587	71.516	1.00	0.00	O
ATOM	636	H2	A B	2	-0.381	-28.980	69.142	1.00	0.00	H

ATOM	637	H8	A B	2	-1.835	-34.787	71.441	1.00	0.00	H
ATOM	638	H1'	A B	2	-3.067	-32.531	68.527	1.00	0.00	H
ATOM	639	H3'	A B	2	-5.056	-35.889	69.014	1.00	0.00	H
ATOM	640	H4'	A B	2	-6.252	-33.689	69.871	1.00	0.00	H
ATOM	641	H61	A B	2	2.405	-30.350	72.396	1.00	0.00	H
ATOM	642	H62	A B	2	1.833	-31.968	72.887	1.00	0.00	H
ATOM	643	H2'1	A B	2	-2.783	-35.361	69.582	1.00	0.00	H
ATOM	644	H2'2	A B	2	-2.837	-34.810	67.913	1.00	0.00	H
ATOM	645	H5'1	A B	2	-5.160	-33.934	72.211	1.00	0.00	H
ATOM	646	H5'2	A B	2	-6.151	-35.249	71.546	1.00	0.00	H
ATOM	647	C1'	C B	3	-1.152	-31.223	65.277	1.00	0.00	C
ATOM	648	N1	C B	3	-0.281	-31.860	66.303	1.00	0.00	N
ATOM	649	C2	C B	3	0.808	-31.133	66.776	1.00	0.00	C
ATOM	650	O2	C B	3	1.006	-29.994	66.329	1.00	0.00	O
ATOM	651	N3	C B	3	1.613	-31.693	67.710	1.00	0.00	N
ATOM	652	C4	C B	3	1.375	-32.927	68.174	1.00	0.00	C
ATOM	653	N4	C B	3	2.193	-33.427	69.090	1.00	0.00	N
ATOM	654	C5	C B	3	0.264	-33.702	67.703	1.00	0.00	C
ATOM	655	C6	C B	3	-0.538	-33.114	66.764	1.00	0.00	C
ATOM	656	C2'	C B	3	-1.657	-32.191	64.215	1.00	0.00	C
ATOM	657	C3'	C B	3	-3.056	-31.658	63.940	1.00	0.00	C
ATOM	658	O3'	C B	3	-2.974	-30.603	62.985	1.00	0.00	O
ATOM	659	C4'	C B	3	-3.505	-31.161	65.313	1.00	0.00	C
ATOM	660	O4'	C B	3	-2.276	-30.681	65.945	1.00	0.00	O
ATOM	661	C5'	C B	3	-4.147	-32.186	66.219	1.00	0.00	C
ATOM	662	O5'	C B	3	-3.498	-33.471	66.043	1.00	0.00	O
ATOM	663	O1P	C B	3	-5.306	-34.903	65.039	1.00	0.00	O
ATOM	664	O2P	C B	3	-3.476	-35.959	66.394	1.00	0.00	O
ATOM	665	P	C B	3	-4.373	-34.796	66.177	1.00	0.00	P
ATOM	666	H5	C B	3	0.069	-34.709	68.071	1.00	0.00	H
ATOM	667	H6	C B	3	-1.398	-33.661	66.381	1.00	0.00	H
ATOM	668	H1'	C B	3	-0.601	-30.399	64.824	1.00	0.00	H
ATOM	669	H3'	C B	3	-3.722	-32.435	63.565	1.00	0.00	H
ATOM	670	H4'	C B	3	-4.234	-30.370	65.140	1.00	0.00	H
ATOM	671	H41	C B	3	2.029	-34.372	69.467	1.00	0.00	H
ATOM	672	H42	C B	3	2.992	-32.869	69.427	1.00	0.00	H
ATOM	673	H2'1	C B	3	-1.688	-33.218	64.572	1.00	0.00	H
ATOM	674	H2'2	C B	3	-1.042	-32.174	63.315	1.00	0.00	H
ATOM	675	H5'1	C B	3	-4.045	-31.862	67.255	1.00	0.00	H
ATOM	676	H5'2	C B	3	-5.203	-32.270	65.973	1.00	0.00	H
ATOM	677	C1'	C B	4	2.477	-29.102	62.660	1.00	0.00	C
ATOM	678	N1	C B	4	2.726	-30.359	63.419	1.00	0.00	N
ATOM	679	C2	C B	4	3.818	-30.395	64.281	1.00	0.00	C
ATOM	680	O2	C B	4	4.533	-29.388	64.385	1.00	0.00	O
ATOM	681	N3	C B	4	4.062	-31.529	64.981	1.00	0.00	N
ATOM	682	C4	C B	4	3.271	-32.603	64.850	1.00	0.00	C
ATOM	683	N4	C B	4	3.553	-33.684	65.560	1.00	0.00	N
ATOM	684	C5	C B	4	2.142	-32.596	63.965	1.00	0.00	C
ATOM	685	C6	C B	4	1.914	-31.440	63.274	1.00	0.00	C
ATOM	686	C2'	C B	4	1.987	-29.331	61.237	1.00	0.00	C
ATOM	687	C3'	C B	4	1.018	-28.174	61.047	1.00	0.00	C
ATOM	688	O3'	C B	4	1.744	-27.016	60.642	1.00	0.00	O
ATOM	689	C4'	C B	4	0.403	-28.014	62.434	1.00	0.00	C
ATOM	690	O4'	C B	4	1.484	-28.370	63.353	1.00	0.00	O

ATOM	691	C5'	C B	4	-0.798	-28.881	62.743	1.00	0.00	C
ATOM	692	O5'	C B	4	-0.633	-30.181	62.120	1.00	0.00	O
ATOM	693	O1P	C B	4	-2.466	-30.236	60.396	1.00	0.00	O
ATOM	694	O2P	C B	4	-1.614	-32.376	61.389	1.00	0.00	O
ATOM	695	P	C B	4	-1.926	-30.938	61.575	1.00	0.00	P
ATOM	696	H5	C B	4	1.500	-33.469	63.849	1.00	0.00	H
ATOM	697	H6	C B	4	1.063	-31.384	62.595	1.00	0.00	H
ATOM	698	H1'	C B	4	3.394	-28.512	62.667	1.00	0.00	H
ATOM	699	H3'	C B	4	0.255	-28.399	60.302	1.00	0.00	H
ATOM	700	H4'	C B	4	0.092	-26.973	62.526	1.00	0.00	H
ATOM	701	H41	C B	4	2.960	-34.524	65.481	1.00	0.00	H
ATOM	702	H42	C B	4	4.367	-33.688	66.194	1.00	0.00	H
ATOM	703	H2'1	C B	4	1.485	-30.291	61.121	1.00	0.00	H
ATOM	704	H2'2	C B	4	2.798	-29.294	60.509	1.00	0.00	H
ATOM	705	H5'1	C B	4	-0.888	-28.997	63.822	1.00	0.00	H
ATOM	706	H5'2	C B	4	-1.694	-28.398	62.355	1.00	0.00	H
ATOM	707	C1'	G B	5	7.217	-28.089	61.639	1.00	0.00	C
ATOM	708	N1	G B	5	8.090	-32.487	64.074	1.00	0.00	N
ATOM	709	C2	G B	5	8.765	-31.281	64.148	1.00	0.00	C
ATOM	710	N2	G B	5	9.812	-31.242	64.981	1.00	0.00	N
ATOM	711	N3	G B	5	8.420	-30.201	63.449	1.00	0.00	N
ATOM	712	C4	G B	5	7.341	-30.423	62.653	1.00	0.00	C
ATOM	713	C5	G B	5	6.610	-31.590	62.511	1.00	0.00	C
ATOM	714	C6	G B	5	6.971	-32.736	63.256	1.00	0.00	C
ATOM	715	O6	G B	5	6.451	-33.850	63.265	1.00	0.00	O
ATOM	716	N7	G B	5	5.577	-31.402	61.591	1.00	0.00	N
ATOM	717	C8	G B	5	5.710	-30.155	61.214	1.00	0.00	C
ATOM	718	N9	G B	5	6.760	-29.495	61.816	1.00	0.00	N
ATOM	719	C2'	G B	5	7.107	-27.585	60.207	1.00	0.00	C
ATOM	720	C3'	G B	5	6.724	-26.128	60.412	1.00	0.00	C
ATOM	721	O3'	G B	5	7.906	-25.359	60.624	1.00	0.00	O
ATOM	722	C4'	G B	5	5.837	-26.180	61.655	1.00	0.00	C
ATOM	723	O4'	G B	5	6.404	-27.267	62.455	1.00	0.00	O
ATOM	724	C5'	G B	5	4.373	-26.463	61.423	1.00	0.00	C
ATOM	725	O5'	G B	5	4.222	-27.408	60.334	1.00	0.00	O
ATOM	726	O1P	G B	5	3.074	-26.058	58.545	1.00	0.00	O
ATOM	727	O2P	G B	5	2.765	-28.545	58.632	1.00	0.00	O
ATOM	728	P	G B	5	2.956	-27.276	59.371	1.00	0.00	P
ATOM	729	H1	G B	5	8.432	-33.262	64.663	1.00	0.00	H
ATOM	730	H8	G B	5	5.050	-29.681	60.489	1.00	0.00	H
ATOM	731	H1'	G B	5	8.241	-28.014	62.003	1.00	0.00	H
ATOM	732	H21	G B	5	10.070	-32.081	65.521	1.00	0.00	H
ATOM	733	H3'	G B	5	6.180	-25.724	59.558	1.00	0.00	H
ATOM	734	H22	G B	5	10.359	-30.375	65.080	1.00	0.00	H
ATOM	735	H4'	G B	5	5.916	-25.208	62.141	1.00	0.00	H
ATOM	736	H2'1	G B	5	6.345	-28.119	59.637	1.00	0.00	H
ATOM	737	H2'2	G B	5	8.046	-27.676	59.663	1.00	0.00	H
ATOM	738	H5'1	G B	5	3.940	-26.879	62.333	1.00	0.00	H
ATOM	739	H5'2	G B	5	3.863	-25.533	61.175	1.00	0.00	H
ATOM	740	C1'	T B	6	12.083	-28.995	61.712	1.00	0.00	C
ATOM	741	N1	T B	6	11.133	-30.041	61.241	1.00	0.00	N
ATOM	742	C2	T B	6	11.245	-31.293	61.807	1.00	0.00	C
ATOM	743	O2	T B	6	12.077	-31.562	62.658	1.00	0.00	O
ATOM	744	N3	T B	6	10.342	-32.233	61.343	1.00	0.00	N

ATOM	745	C4	T B	6	9.369	-32.035	60.387	1.00	0.00	C
ATOM	746	O4	T B	6	8.619	-32.956	60.046	1.00	0.00	O
ATOM	747	C5	T B	6	9.329	-30.693	59.855	1.00	0.00	C
ATOM	748	C6	T B	6	10.192	-29.752	60.284	1.00	0.00	C
ATOM	749	C7	T B	6	8.283	-30.432	58.813	1.00	0.00	C
ATOM	750	C2'	T B	6	12.562	-28.061	60.608	1.00	0.00	C
ATOM	751	C3'	T B	6	12.674	-26.734	61.344	1.00	0.00	C
ATOM	752	O3'	T B	6	13.942	-26.665	61.995	1.00	0.00	O
ATOM	753	C4'	T B	6	11.517	-26.797	62.338	1.00	0.00	C
ATOM	754	O4'	T B	6	11.416	-28.214	62.686	1.00	0.00	O
ATOM	755	C5'	T B	6	10.171	-26.327	61.834	1.00	0.00	C
ATOM	756	O5'	T B	6	10.010	-26.707	60.444	1.00	0.00	O
ATOM	757	O1P	T B	6	9.960	-24.498	59.239	1.00	0.00	O
ATOM	758	O2P	T B	6	8.785	-26.488	58.261	1.00	0.00	O
ATOM	759	P	T B	6	9.195	-25.738	59.473	1.00	0.00	P
ATOM	760	H3	T B	6	10.404	-33.178	61.752	1.00	0.00	H
ATOM	761	H6	T B	6	10.141	-28.747	59.867	1.00	0.00	H
ATOM	762	H1'	T B	6	12.924	-29.490	62.196	1.00	0.00	H
ATOM	763	H3'	T B	6	12.569	-25.884	60.670	1.00	0.00	H
ATOM	764	H4'	T B	6	11.792	-26.168	63.185	1.00	0.00	H
ATOM	765	H71	T B	6	8.764	-30.214	57.860	1.00	0.00	H
ATOM	766	H72	T B	6	7.647	-31.312	58.705	1.00	0.00	H
ATOM	767	H73	T B	6	7.673	-29.579	59.114	1.00	0.00	H
ATOM	768	H2'1	T B	6	11.854	-27.998	59.784	1.00	0.00	H
ATOM	769	H2'2	T B	6	13.522	-28.367	60.195	1.00	0.00	H
ATOM	770	H5'1	T B	6	9.385	-26.783	62.434	1.00	0.00	H
ATOM	771	H5'2	T B	6	10.113	-25.243	61.927	1.00	0.00	H
ATOM	772	C1'	C B	7	16.038	-31.984	61.985	1.00	0.00	C
ATOM	773	N1	C B	7	14.953	-32.254	60.998	1.00	0.00	N
ATOM	774	C2	C B	7	14.408	-33.535	60.964	1.00	0.00	C
ATOM	775	O2	C B	7	14.841	-34.392	61.747	1.00	0.00	O
ATOM	776	N3	C B	7	13.419	-33.801	60.075	1.00	0.00	N
ATOM	777	C4	C B	7	12.972	-32.854	59.241	1.00	0.00	C
ATOM	778	N4	C B	7	12.003	-33.168	58.395	1.00	0.00	N
ATOM	779	C5	C B	7	13.518	-31.528	59.250	1.00	0.00	C
ATOM	780	C6	C B	7	14.509	-31.283	60.159	1.00	0.00	C
ATOM	781	C2'	C B	7	17.130	-31.065	61.458	1.00	0.00	C
ATOM	782	C3'	C B	7	17.501	-30.271	62.700	1.00	0.00	C
ATOM	783	O3'	C B	7	18.449	-31.011	63.464	1.00	0.00	O
ATOM	784	C4'	C B	7	16.163	-30.127	63.423	1.00	0.00	C
ATOM	785	O4'	C B	7	15.450	-31.364	63.113	1.00	0.00	O
ATOM	786	C5'	C B	7	15.301	-28.954	63.012	1.00	0.00	C
ATOM	787	O5'	C B	7	15.431	-28.728	61.587	1.00	0.00	O
ATOM	788	O1P	C B	7	16.555	-26.481	61.454	1.00	0.00	O
ATOM	789	O2P	C B	7	15.077	-27.256	59.582	1.00	0.00	O
ATOM	790	P	C B	7	15.356	-27.233	61.037	1.00	0.00	P
ATOM	791	H5	C B	7	13.161	-30.757	58.569	1.00	0.00	H
ATOM	792	H6	C B	7	14.951	-30.287	60.210	1.00	0.00	H
ATOM	793	H1'	C B	7	16.451	-32.942	62.306	1.00	0.00	H
ATOM	794	H3'	C B	7	17.921	-29.294	62.451	1.00	0.00	H
ATOM	795	H4'	C B	7	16.386	-30.017	64.484	1.00	0.00	H
ATOM	796	H41	C B	7	11.637	-32.457	57.743	1.00	0.00	H
ATOM	797	H42	C B	7	11.613	-34.122	58.387	1.00	0.00	H
ATOM	798	H2'1	C B	7	16.775	-30.413	60.662	1.00	0.00	H

ATOM	799	H2'2	C B	7	17.987	-31.620	61.071	1.00	0.00	H
ATOM	800	H5'1	C B	7	14.261	-29.173	63.258	1.00	0.00	H
ATOM	801	H5'2	C B	7	15.619	-28.068	63.556	1.00	0.00	H
ATOM	802	C1'	C B	8	18.401	-36.304	61.449	1.00	0.00	C
ATOM	803	N1	C B	8	17.626	-35.720	60.320	1.00	0.00	N
ATOM	804	C2	C B	8	16.690	-36.531	59.682	1.00	0.00	C
ATOM	805	O2	C B	8	16.541	-37.695	60.077	1.00	0.00	O
ATOM	806	N3	C B	8	15.975	-36.018	58.653	1.00	0.00	N
ATOM	807	C4	C B	8	16.159	-34.754	58.247	1.00	0.00	C
ATOM	808	N4	C B	8	15.429	-34.305	57.237	1.00	0.00	N
ATOM	809	C5	C B	8	17.119	-33.898	58.881	1.00	0.00	C
ATOM	810	C6	C B	8	17.825	-34.435	59.920	1.00	0.00	C
ATOM	811	C2'	C B	8	19.855	-35.852	61.494	1.00	0.00	C
ATOM	812	C3'	C B	8	20.112	-35.766	62.992	1.00	0.00	C
ATOM	813	O3'	C B	8	20.467	-37.057	63.479	1.00	0.00	O
ATOM	814	C4'	C B	8	18.770	-35.288	63.540	1.00	0.00	C
ATOM	815	O4'	C B	8	17.779	-35.897	62.652	1.00	0.00	O
ATOM	816	C5'	C B	8	18.545	-33.794	63.561	1.00	0.00	C
ATOM	817	O5'	C B	8	19.153	-33.191	62.390	1.00	0.00	O
ATOM	818	O1P	C B	8	21.000	-31.779	63.355	1.00	0.00	O
ATOM	819	O2P	C B	8	19.947	-31.146	61.166	1.00	0.00	O
ATOM	820	P	C B	8	19.783	-31.733	62.519	1.00	0.00	P
ATOM	821	H5	C B	8	17.277	-32.871	58.549	1.00	0.00	H
ATOM	822	H6	C B	8	18.562	-33.820	60.438	1.00	0.00	H
ATOM	823	H1'	C B	8	18.332	-37.390	61.384	1.00	0.00	H
ATOM	824	H3'	C B	8	20.908	-35.059	63.228	1.00	0.00	H
ATOM	825	H4'	C B	8	18.702	-35.647	64.567	1.00	0.00	H
ATOM	826	H41	C B	8	15.548	-33.335	56.907	1.00	0.00	H
ATOM	827	H42	C B	8	14.741	-34.923	56.781	1.00	0.00	H
ATOM	828	H2'1	C B	8	20.004	-34.887	61.011	1.00	0.00	H
ATOM	829	H2'2	C B	8	20.525	-36.566	61.016	1.00	0.00	H
ATOM	830	H5'1	C B	8	17.474	-33.593	63.565	1.00	0.00	H
ATOM	831	H5'2	C B	8	18.992	-33.377	64.463	1.00	0.00	H
ATOM	832	C1'	T B	9	19.112	-40.774	59.448	1.00	0.00	C
ATOM	833	N1	T B	9	18.945	-39.583	58.575	1.00	0.00	N
ATOM	834	C2	T B	9	18.005	-39.666	57.566	1.00	0.00	C
ATOM	835	O2	T B	9	17.330	-40.662	57.378	1.00	0.00	O
ATOM	836	N3	T B	9	17.882	-38.537	56.781	1.00	0.00	N
ATOM	837	C4	T B	9	18.598	-37.365	56.907	1.00	0.00	C
ATOM	838	O4	T B	9	18.401	-36.417	56.138	1.00	0.00	O
ATOM	839	C5	T B	9	19.555	-37.371	57.990	1.00	0.00	C
ATOM	840	C6	T B	9	19.701	-38.455	58.776	1.00	0.00	C
ATOM	841	C7	T B	9	20.354	-36.114	58.166	1.00	0.00	C
ATOM	842	C2'	T B	9	20.557	-41.041	59.854	1.00	0.00	C
ATOM	843	C3'	T B	9	20.396	-41.567	61.273	1.00	0.00	C
ATOM	844	O3'	T B	9	20.120	-42.965	61.225	1.00	0.00	O
ATOM	845	C4'	T B	9	19.212	-40.760	61.801	1.00	0.00	C
ATOM	846	O4'	T B	9	18.362	-40.556	60.627	1.00	0.00	O
ATOM	847	C5'	T B	9	19.533	-39.414	62.407	1.00	0.00	C
ATOM	848	O5'	T B	9	20.617	-38.792	61.671	1.00	0.00	O
ATOM	849	O1P	T B	9	22.493	-38.720	63.347	1.00	0.00	O
ATOM	850	O2P	T B	9	22.392	-37.021	61.503	1.00	0.00	O
ATOM	851	P	T B	9	21.658	-37.880	62.464	1.00	0.00	P
ATOM	852	H3	T B	9	17.185	-38.573	56.024	1.00	0.00	H

ATOM	853	H6	T B	9	20.431	-38.436	59.585	1.00	0.00	H
ATOM	854	H1'	T B	9	18.685	-41.637	58.936	1.00	0.00	H
ATOM	855	H3'	T B	9	21.289	-41.395	61.872	1.00	0.00	H
ATOM	856	H4'	T B	9	18.735	-41.367	62.572	1.00	0.00	H
ATOM	857	H71	T B	9	21.403	-36.319	57.957	1.00	0.00	H
ATOM	858	H72	T B	9	19.988	-35.351	57.479	1.00	0.00	H
ATOM	859	H73	T B	9	20.250	-35.759	59.191	1.00	0.00	H
ATOM	860	H2'1	T B	9	21.165	-40.139	59.832	1.00	0.00	H
ATOM	861	H2'2	T B	9	21.038	-41.778	59.209	1.00	0.00	H
ATOM	862	H5'1	T B	9	18.647	-38.781	62.364	1.00	0.00	H
ATOM	863	H5'2	T B	9	19.826	-39.551	63.447	1.00	0.00	H
ATOM	864	C1'	A B	10	18.690	-44.150	55.833	1.00	0.00	C
ATOM	865	N1	A B	10	18.327	-40.029	52.796	1.00	0.00	N
ATOM	866	C2	A B	10	17.668	-41.183	52.827	1.00	0.00	C
ATOM	867	N3	A B	10	17.810	-42.206	53.642	1.00	0.00	N
ATOM	868	C4	A B	10	18.787	-41.959	54.533	1.00	0.00	C
ATOM	869	C5	A B	10	19.556	-40.832	54.635	1.00	0.00	C
ATOM	870	C6	A B	10	19.297	-39.811	53.698	1.00	0.00	C
ATOM	871	N6	A B	10	19.970	-38.648	53.676	1.00	0.00	N
ATOM	872	N7	A B	10	20.461	-40.937	55.678	1.00	0.00	N
ATOM	873	C8	A B	10	20.227	-42.115	56.175	1.00	0.00	C
ATOM	874	N9	A B	10	19.222	-42.793	55.535	1.00	0.00	N
ATOM	875	C2'	A B	10	19.758	-45.146	56.262	1.00	0.00	C
ATOM	876	C3'	A B	10	19.016	-45.984	57.292	1.00	0.00	C
ATOM	877	O3'	A B	10	18.282	-47.006	56.624	1.00	0.00	O
ATOM	878	C4'	A B	10	18.099	-44.961	57.964	1.00	0.00	C
ATOM	879	O4'	A B	10	17.760	-44.023	56.893	1.00	0.00	O
ATOM	880	C5'	A B	10	18.690	-44.186	59.118	1.00	0.00	C
ATOM	881	O5'	A B	10	20.088	-43.906	58.854	1.00	0.00	O
ATOM	882	O1P	A B	10	21.292	-45.237	60.620	1.00	0.00	O
ATOM	883	O2P	A B	10	22.347	-43.167	59.672	1.00	0.00	O
ATOM	884	P	A B	10	21.110	-43.876	60.080	1.00	0.00	P
ATOM	885	H2	A B	10	16.897	-41.298	52.066	1.00	0.00	H
ATOM	886	H8	A B	10	20.777	-42.524	57.022	1.00	0.00	H
ATOM	887	H1'	A B	10	18.152	-44.506	54.955	1.00	0.00	H
ATOM	888	H3'	A B	10	19.694	-46.437	58.014	1.00	0.00	H
ATOM	889	H4'	A B	10	17.235	-45.509	58.338	1.00	0.00	H
ATOM	890	H61	A B	10	19.740	-37.933	52.973	1.00	0.00	H
ATOM	891	H62	A B	10	20.717	-38.472	54.365	1.00	0.00	H
ATOM	892	H2'1	A B	10	20.628	-44.660	56.700	1.00	0.00	H
ATOM	893	H2'2	A B	10	20.108	-45.760	55.431	1.00	0.00	H
ATOM	894	H5'1	A B	10	18.144	-43.251	59.238	1.00	0.00	H
ATOM	895	H5'2	A B	10	18.599	-44.775	60.028	1.00	0.00	H
ATOM	896	C1'	G B	11	18.145	-45.550	51.102	1.00	0.00	C
ATOM	897	N1	G B	11	20.189	-40.987	50.091	1.00	0.00	N
ATOM	898	C2	G B	11	19.129	-41.640	49.487	1.00	0.00	C
ATOM	899	N2	G B	11	18.536	-40.989	48.478	1.00	0.00	N
ATOM	900	N3	G B	11	18.695	-42.841	49.860	1.00	0.00	N
ATOM	901	C4	G B	11	19.417	-43.353	50.892	1.00	0.00	C
ATOM	902	C5	G B	11	20.489	-42.780	51.551	1.00	0.00	C
ATOM	903	C6	G B	11	20.949	-41.502	51.159	1.00	0.00	C
ATOM	904	O6	G B	11	21.878	-40.836	51.618	1.00	0.00	O
ATOM	905	N7	G B	11	20.952	-43.634	52.555	1.00	0.00	N
ATOM	906	C8	G B	11	20.161	-44.675	52.475	1.00	0.00	C

ATOM	907	N9	G	B	11	19.203	-44.578	51.486	1.00	0.00	N
ATOM	908	C2'	G	B	11	18.590	-47.004	51.179	1.00	0.00	C
ATOM	909	C3'	G	B	11	17.324	-47.701	51.650	1.00	0.00	C
ATOM	910	O3'	G	B	11	16.499	-47.982	50.521	1.00	0.00	O
ATOM	911	C4'	G	B	11	16.695	-46.667	52.583	1.00	0.00	C
ATOM	912	O4'	G	B	11	17.059	-45.380	51.991	1.00	0.00	O
ATOM	913	C5'	G	B	11	17.160	-46.690	54.019	1.00	0.00	C
ATOM	914	O5'	G	B	11	18.572	-47.010	54.072	1.00	0.00	O
ATOM	915	O1P	G	B	11	18.618	-49.250	55.217	1.00	0.00	O
ATOM	916	O2P	G	B	11	20.590	-47.710	55.394	1.00	0.00	O
ATOM	917	P	G	B	11	19.119	-47.866	55.303	1.00	0.00	P
ATOM	918	H1	G	B	11	20.442	-40.055	49.731	1.00	0.00	H
ATOM	919	H8	G	B	11	20.254	-45.540	53.130	1.00	0.00	H
ATOM	920	H1'	G	B	11	17.799	-45.300	50.098	1.00	0.00	H
ATOM	921	H21	G	B	11	18.874	-40.057	48.196	1.00	0.00	H
ATOM	922	H3'	G	B	11	17.540	-48.629	52.179	1.00	0.00	H
ATOM	923	H22	G	B	11	17.742	-41.421	47.984	1.00	0.00	H
ATOM	924	H4'	G	B	11	15.619	-46.850	52.577	1.00	0.00	H
ATOM	925	H2'1	G	B	11	19.408	-47.149	51.887	1.00	0.00	H
ATOM	926	H2'2	G	B	11	18.919	-47.387	50.214	1.00	0.00	H
ATOM	927	H5'1	G	B	11	16.986	-45.710	54.466	1.00	0.00	H
ATOM	928	H5'2	G	B	11	16.590	-47.440	54.568	1.00	0.00	H
ATOM	929	C1'	G	B	12	18.513	-44.931	46.202	1.00	0.00	C
ATOM	930	N1	G	B	12	22.264	-41.712	47.464	1.00	0.00	N
ATOM	931	C2	G	B	12	21.262	-41.582	46.518	1.00	0.00	C
ATOM	932	N2	G	B	12	21.260	-40.442	45.814	1.00	0.00	N
ATOM	933	N3	G	B	12	20.335	-42.512	46.294	1.00	0.00	N
ATOM	934	C4	G	B	12	20.495	-43.600	47.092	1.00	0.00	C
ATOM	935	C5	G	B	12	21.463	-43.820	48.057	1.00	0.00	C
ATOM	936	C6	G	B	12	22.443	-42.831	48.298	1.00	0.00	C
ATOM	937	O6	G	B	12	23.375	-42.842	49.103	1.00	0.00	O
ATOM	938	N7	G	B	12	21.276	-45.067	48.653	1.00	0.00	N
ATOM	939	C8	G	B	12	20.223	-45.554	48.048	1.00	0.00	C
ATOM	940	N9	G	B	12	19.692	-44.721	47.085	1.00	0.00	N
ATOM	941	C2'	G	B	12	18.362	-46.365	45.713	1.00	0.00	C
ATOM	942	C3'	G	B	12	16.851	-46.536	45.689	1.00	0.00	C
ATOM	943	O3'	G	B	12	16.342	-46.030	44.458	1.00	0.00	O
ATOM	944	C4'	G	B	12	16.397	-45.704	46.886	1.00	0.00	C
ATOM	945	O4'	G	B	12	17.355	-44.600	46.943	1.00	0.00	O
ATOM	946	C5'	G	B	12	16.389	-46.405	48.226	1.00	0.00	C
ATOM	947	O5'	G	B	12	17.511	-47.318	48.308	1.00	0.00	O
ATOM	948	O1P	G	B	12	16.414	-49.581	48.398	1.00	0.00	O
ATOM	949	O2P	G	B	12	18.668	-49.238	49.443	1.00	0.00	O
ATOM	950	P	G	B	12	17.332	-48.681	49.119	1.00	0.00	P
ATOM	951	H1	G	B	12	22.929	-40.929	47.563	1.00	0.00	H
ATOM	952	H8	G	B	12	19.801	-46.532	48.283	1.00	0.00	H
ATOM	953	H1'	G	B	12	18.586	-44.238	45.365	1.00	0.00	H
ATOM	954	H21	G	B	12	21.976	-39.725	45.995	1.00	0.00	H
ATOM	955	H3'	G	B	12	16.556	-47.580	45.800	1.00	0.00	H
ATOM	956	H22	G	B	12	20.542	-40.286	45.092	1.00	0.00	H
ATOM	957	H4'	G	B	12	15.380	-45.375	46.677	1.00	0.00	H
ATOM	958	H2'1	G	B	12	18.832	-47.084	46.385	1.00	0.00	H
ATOM	959	H2'2	G	B	12	18.793	-46.512	44.723	1.00	0.00	H
ATOM	960	H5'1	G	B	12	16.459	-45.661	49.019	1.00	0.00	H

ATOM	961	H5'2	G B	12	15.454	-46.957	48.334	1.00	0.00	H
ATOM	962	C1'	T B	13	20.454	-42.970	42.094	1.00	0.00	C
ATOM	963	N1	T B	13	21.338	-43.587	43.117	1.00	0.00	N
ATOM	964	C2	T B	13	22.408	-42.837	43.562	1.00	0.00	C
ATOM	965	O2	T B	13	22.642	-41.714	43.149	1.00	0.00	O
ATOM	966	N3	T B	13	23.203	-43.448	44.513	1.00	0.00	N
ATOM	967	C4	T B	13	23.028	-44.710	45.043	1.00	0.00	C
ATOM	968	O4	T B	13	23.811	-45.154	45.891	1.00	0.00	O
ATOM	969	C5	T B	13	21.883	-45.418	44.519	1.00	0.00	C
ATOM	970	C6	T B	13	21.087	-44.852	43.589	1.00	0.00	C
ATOM	971	C7	T B	13	21.653	-46.794	45.067	1.00	0.00	C
ATOM	972	C2'	T B	13	19.950	-43.953	41.043	1.00	0.00	C
ATOM	973	C3'	T B	13	18.545	-43.435	40.774	1.00	0.00	C
ATOM	974	O3'	T B	13	18.609	-42.391	39.806	1.00	0.00	O
ATOM	975	C4'	T B	13	18.099	-42.930	42.143	1.00	0.00	C
ATOM	976	O4'	T B	13	19.329	-42.432	42.761	1.00	0.00	O
ATOM	977	C5'	T B	13	17.474	-43.952	43.066	1.00	0.00	C
ATOM	978	O5'	T B	13	18.135	-45.232	42.898	1.00	0.00	O
ATOM	979	O1P	T B	13	16.334	-46.692	41.920	1.00	0.00	O
ATOM	980	O2P	T B	13	18.183	-47.716	43.273	1.00	0.00	O
ATOM	981	P	T B	13	17.274	-46.565	43.052	1.00	0.00	P
ATOM	982	H3	T B	13	24.006	-42.907	44.864	1.00	0.00	H
ATOM	983	H6	T B	13	20.229	-45.406	43.209	1.00	0.00	H
ATOM	984	H1'	T B	13	20.993	-42.146	41.627	1.00	0.00	H
ATOM	985	H3'	T B	13	17.885	-44.224	40.410	1.00	0.00	H
ATOM	986	H4'	T B	13	17.362	-42.147	41.967	1.00	0.00	H
ATOM	987	H71	T B	13	21.790	-47.530	44.276	1.00	0.00	H
ATOM	988	H72	T B	13	22.366	-46.988	45.871	1.00	0.00	H
ATOM	989	H73	T B	13	20.637	-46.865	45.457	1.00	0.00	H
ATOM	990	H2'1	T B	13	19.932	-44.978	41.412	1.00	0.00	H
ATOM	991	H2'2	T B	13	20.558	-43.941	40.139	1.00	0.00	H
ATOM	992	H5'1	T B	13	17.579	-43.614	44.097	1.00	0.00	H
ATOM	993	H5'2	T B	13	16.417	-44.049	42.826	1.00	0.00	H
ATOM	994	C1'	G B	14	24.103	-40.839	39.486	1.00	0.00	C
ATOM	995	N1	G B	14	27.130	-43.157	42.877	1.00	0.00	N
ATOM	996	C2	G B	14	27.201	-41.879	42.352	1.00	0.00	C
ATOM	997	N2	G B	14	28.213	-41.118	42.785	1.00	0.00	N
ATOM	998	N3	G B	14	26.330	-41.399	41.465	1.00	0.00	N
ATOM	999	C4	G B	14	25.375	-42.309	41.133	1.00	0.00	C
ATOM	1000	C5	G B	14	25.230	-43.603	41.601	1.00	0.00	C
ATOM	1001	C6	G B	14	26.150	-44.112	42.546	1.00	0.00	C
ATOM	1002	O6	G B	14	26.186	-45.226	43.073	1.00	0.00	O
ATOM	1003	N7	G B	14	24.118	-44.208	41.009	1.00	0.00	N
ATOM	1004	C8	G B	14	23.636	-43.281	40.222	1.00	0.00	C
ATOM	1005	N9	G B	14	24.348	-42.098	40.241	1.00	0.00	N
ATOM	1006	C2'	G B	14	23.609	-41.063	38.063	1.00	0.00	C
ATOM	1007	C3'	G B	14	22.645	-39.902	37.875	1.00	0.00	C
ATOM	1008	O3'	G B	14	23.376	-38.747	37.473	1.00	0.00	O
ATOM	1009	C4'	G B	14	22.031	-39.743	39.267	1.00	0.00	C
ATOM	1010	O4'	G B	14	23.114	-40.105	40.181	1.00	0.00	O
ATOM	1011	C5'	G B	14	20.830	-40.604	39.573	1.00	0.00	C
ATOM	1012	O5'	G B	14	20.986	-41.903	38.951	1.00	0.00	O
ATOM	1013	O1P	G B	14	19.152	-41.948	37.227	1.00	0.00	O
ATOM	1014	O2P	G B	14	19.995	-44.093	38.217	1.00	0.00	O

ATOM	1015	P	G B	14	19.688	-42.655	38.405	1.00	0.00	P
ATOM	1016	H1	G B	14	27.850	-43.429	43.563	1.00	0.00	H
ATOM	1017	H8	G B	14	22.750	-43.431	39.604	1.00	0.00	H
ATOM	1018	H1'	G B	14	25.022	-40.252	39.493	1.00	0.00	H
ATOM	1019	H21	G B	14	28.880	-41.496	43.474	1.00	0.00	H
ATOM	1020	H3'	G B	14	21.880	-40.124	37.132	1.00	0.00	H
ATOM	1021	H22	G B	14	28.324	-40.157	42.429	1.00	0.00	H
ATOM	1022	H4'	G B	14	21.726	-38.700	39.359	1.00	0.00	H
ATOM	1023	H2'1	G B	14	23.103	-42.021	37.948	1.00	0.00	H
ATOM	1024	H2'2	G B	14	24.417	-41.029	37.335	1.00	0.00	H
ATOM	1025	H5'1	G B	14	20.740	-40.721	40.651	1.00	0.00	H
ATOM	1026	H5'2	G B	14	19.933	-40.117	39.189	1.00	0.00	H
ATOM	1027	C1'	C B	15	28.843	-39.825	38.466	1.00	0.00	C
ATOM	1028	N1	C B	15	28.391	-41.232	38.647	1.00	0.00	N
ATOM	1029	C2	C B	15	29.099	-42.035	39.540	1.00	0.00	C
ATOM	1030	O2	C B	15	30.066	-41.549	40.141	1.00	0.00	O
ATOM	1031	N3	C B	15	28.704	-43.318	39.719	1.00	0.00	N
ATOM	1032	C4	C B	15	27.654	-43.815	39.054	1.00	0.00	C
ATOM	1033	N4	C B	15	27.309	-45.075	39.270	1.00	0.00	N
ATOM	1034	C5	C B	15	26.910	-43.014	38.125	1.00	0.00	C
ATOM	1035	C6	C B	15	27.322	-41.723	37.964	1.00	0.00	C
ATOM	1036	C2'	C B	15	28.734	-39.327	37.031	1.00	0.00	C
ATOM	1037	C3'	C B	15	28.346	-37.868	37.231	1.00	0.00	C
ATOM	1038	O3'	C B	15	29.525	-37.095	37.442	1.00	0.00	O
ATOM	1039	C4'	C B	15	27.458	-37.920	38.472	1.00	0.00	C
ATOM	1040	O4'	C B	15	28.024	-39.003	39.277	1.00	0.00	O
ATOM	1041	C5'	C B	15	25.993	-38.209	38.238	1.00	0.00	C
ATOM	1042	O5'	C B	15	25.849	-39.157	37.152	1.00	0.00	O
ATOM	1043	O1P	C B	15	24.699	-37.818	35.356	1.00	0.00	O
ATOM	1044	O2P	C B	15	24.398	-40.307	35.450	1.00	0.00	O
ATOM	1045	P	C B	15	24.585	-39.033	36.187	1.00	0.00	P
ATOM	1046	H5	C B	15	26.058	-43.417	37.577	1.00	0.00	H
ATOM	1047	H6	C B	15	26.784	-41.073	37.274	1.00	0.00	H
ATOM	1048	H1'	C B	15	29.866	-39.746	38.832	1.00	0.00	H
ATOM	1049	H3'	C B	15	27.802	-37.471	36.374	1.00	0.00	H
ATOM	1050	H4'	C B	15	27.532	-36.946	38.955	1.00	0.00	H
ATOM	1051	H41	C B	15	26.503	-45.483	38.773	1.00	0.00	H
ATOM	1052	H42	C B	15	27.848	-45.651	39.936	1.00	0.00	H
ATOM	1053	H2'1	C B	15	27.977	-39.864	36.462	1.00	0.00	H
ATOM	1054	H2'2	C B	15	29.676	-39.415	36.490	1.00	0.00	H
ATOM	1055	H5'1	C B	15	25.560	-38.623	39.149	1.00	0.00	H
ATOM	1056	H5'2	C B	15	25.482	-37.281	37.986	1.00	0.00	H
ATOM	1057	C1'	G B	16	33.705	-40.756	38.545	1.00	0.00	C
ATOM	1058	N1	G B	16	32.194	-45.608	38.984	1.00	0.00	N
ATOM	1059	C2	G B	16	33.207	-44.930	39.641	1.00	0.00	C
ATOM	1060	N2	G B	16	33.910	-45.641	40.531	1.00	0.00	N
ATOM	1061	N3	G B	16	33.491	-43.647	39.426	1.00	0.00	N
ATOM	1062	C4	G B	16	32.683	-43.088	38.488	1.00	0.00	C
ATOM	1063	C5	G B	16	31.655	-43.685	37.779	1.00	0.00	C
ATOM	1064	C6	G B	16	31.348	-45.048	38.010	1.00	0.00	C
ATOM	1065	O6	G B	16	30.481	-45.746	37.485	1.00	0.00	O
ATOM	1066	N7	G B	16	31.071	-42.765	36.907	1.00	0.00	N
ATOM	1067	C8	G B	16	31.746	-41.663	37.111	1.00	0.00	C
ATOM	1068	N9	G B	16	32.744	-41.781	38.057	1.00	0.00	N

ATOM	1069	C2'	G B	16	34.202	-39.813	37.457	1.00	0.00	C
ATOM	1070	C3'	G B	16	34.329	-38.499	38.209	1.00	0.00	C
ATOM	1071	O3'	G B	16	35.593	-38.455	38.866	1.00	0.00	O
ATOM	1072	C4'	G B	16	33.165	-38.559	39.197	1.00	0.00	C
ATOM	1073	O4'	G B	16	33.046	-39.979	39.525	1.00	0.00	O
ATOM	1074	C5'	G B	16	31.830	-38.064	38.692	1.00	0.00	C
ATOM	1075	O5'	G B	16	31.670	-38.423	37.298	1.00	0.00	O
ATOM	1076	O1P	G B	16	31.653	-36.199	36.122	1.00	0.00	O
ATOM	1077	O2P	G B	16	30.458	-38.159	35.114	1.00	0.00	O
ATOM	1078	P	G B	16	30.872	-37.431	36.337	1.00	0.00	P
ATOM	1079	H1	G B	16	32.050	-46.599	39.229	1.00	0.00	H
ATOM	1080	H8	G B	16	31.539	-40.735	36.580	1.00	0.00	H
ATOM	1081	H1'	G B	16	34.537	-41.269	39.027	1.00	0.00	H
ATOM	1082	H21	G B	16	33.681	-46.631	40.695	1.00	0.00	H
ATOM	1083	H3'	G B	16	34.237	-37.638	37.546	1.00	0.00	H
ATOM	1084	H22	G B	16	34.678	-45.194	41.052	1.00	0.00	H
ATOM	1085	H4'	G B	16	33.446	-37.945	40.054	1.00	0.00	H
ATOM	1086	H2'1	G B	16	33.499	-39.730	36.628	1.00	0.00	H
ATOM	1087	H2'2	G B	16	35.160	-40.129	37.042	1.00	0.00	H
ATOM	1088	H5'1	G B	16	31.035	-38.518	39.283	1.00	0.00	H
ATOM	1089	H5'2	G B	16	31.786	-36.981	38.802	1.00	0.00	H
ATOM	1090	C1'	G B	17	37.663	-43.721	38.810	1.00	0.00	C
ATOM	1091	N1	G B	17	34.445	-47.232	36.977	1.00	0.00	N
ATOM	1092	C2	G B	17	35.399	-47.334	37.975	1.00	0.00	C
ATOM	1093	N2	G B	17	35.510	-48.533	38.561	1.00	0.00	N
ATOM	1094	N3	G B	17	36.176	-46.323	38.357	1.00	0.00	N
ATOM	1095	C4	G B	17	35.931	-45.189	37.651	1.00	0.00	C
ATOM	1096	C5	G B	17	35.007	-44.994	36.641	1.00	0.00	C
ATOM	1097	C6	G B	17	34.178	-46.064	36.236	1.00	0.00	C
ATOM	1098	O6	G B	17	33.306	-46.087	35.366	1.00	0.00	O
ATOM	1099	N7	G B	17	35.071	-43.679	36.174	1.00	0.00	N
ATOM	1100	C8	G B	17	36.008	-43.131	36.902	1.00	0.00	C
ATOM	1101	N9	G B	17	36.580	-43.985	37.822	1.00	0.00	N
ATOM	1102	C2'	G B	17	38.756	-42.800	38.289	1.00	0.00	C
ATOM	1103	C3'	G B	17	39.127	-42.010	39.535	1.00	0.00	C
ATOM	1104	O3'	G B	17	40.074	-42.755	40.296	1.00	0.00	O
ATOM	1105	C4'	G B	17	37.788	-41.869	40.257	1.00	0.00	C
ATOM	1106	O4'	G B	17	37.076	-43.106	39.940	1.00	0.00	O
ATOM	1107	C5'	G B	17	36.926	-40.697	39.851	1.00	0.00	C
ATOM	1108	O5'	G B	17	37.055	-40.462	38.427	1.00	0.00	O
ATOM	1109	O1P	G B	17	38.183	-38.215	38.306	1.00	0.00	O
ATOM	1110	O2P	G B	17	36.704	-38.980	36.428	1.00	0.00	O
ATOM	1111	P	G B	17	36.982	-38.964	37.886	1.00	0.00	P
ATOM	1112	H1	G B	17	33.890	-48.074	36.761	1.00	0.00	H
ATOM	1113	H8	G B	17	36.313	-42.090	36.792	1.00	0.00	H
ATOM	1114	H1'	G B	17	38.076	-44.679	39.126	1.00	0.00	H
ATOM	1115	H21	G B	17	34.903	-49.311	38.262	1.00	0.00	H
ATOM	1116	H3'	G B	17	39.547	-41.034	39.291	1.00	0.00	H
ATOM	1117	H22	G B	17	36.203	-48.677	39.309	1.00	0.00	H
ATOM	1118	H4'	G B	17	38.010	-41.767	41.319	1.00	0.00	H
ATOM	1119	H2'1	G B	17	38.401	-42.143	37.495	1.00	0.00	H
ATOM	1120	H2'2	G B	17	39.611	-43.351	37.899	1.00	0.00	H
ATOM	1121	H5'1	G B	17	35.887	-40.915	40.097	1.00	0.00	H
ATOM	1122	H5'2	G B	17	37.247	-39.811	40.401	1.00	0.00	H

ATOM	1123	C1'	C B	18	40.027	-48.040	38.274	1.00	0.00	C
ATOM	1124	N1	C B	18	39.252	-47.455	37.145	1.00	0.00	N
ATOM	1125	C2	C B	18	38.315	-48.268	36.509	1.00	0.00	C
ATOM	1126	O2	C B	18	38.166	-49.431	36.904	1.00	0.00	O
ATOM	1127	N3	C B	18	37.600	-47.753	35.478	1.00	0.00	N
ATOM	1128	C4	C B	18	37.786	-46.490	35.075	1.00	0.00	C
ATOM	1129	N4	C B	18	37.057	-46.040	34.063	1.00	0.00	N
ATOM	1130	C5	C B	18	38.743	-45.636	35.710	1.00	0.00	C
ATOM	1131	C6	C B	18	39.450	-46.172	36.745	1.00	0.00	C
ATOM	1132	C2'	C B	18	41.481	-47.588	38.320	1.00	0.00	C
ATOM	1133	C3'	C B	18	41.738	-47.502	39.817	1.00	0.00	C
ATOM	1134	O3'	C B	18	42.092	-48.794	40.306	1.00	0.00	O
ATOM	1135	C4'	C B	18	40.396	-47.025	40.366	1.00	0.00	C
ATOM	1136	O4'	C B	18	39.404	-47.634	39.479	1.00	0.00	O
ATOM	1137	C5'	C B	18	40.171	-45.530	40.388	1.00	0.00	C
ATOM	1138	O5'	C B	18	40.778	-44.929	39.216	1.00	0.00	O
ATOM	1139	O1P	C B	18	42.624	-43.514	40.180	1.00	0.00	O
ATOM	1140	O2P	C B	18	41.571	-42.882	37.991	1.00	0.00	O
ATOM	1141	P	C B	18	41.408	-43.470	39.344	1.00	0.00	P
ATOM	1142	H5	C B	18	38.900	-44.608	35.381	1.00	0.00	H
ATOM	1143	H6	C B	18	40.187	-45.558	37.262	1.00	0.00	H
ATOM	1144	H1'	C B	18	39.958	-49.125	38.210	1.00	0.00	H
ATOM	1145	H3'	C B	18	42.533	-46.795	40.054	1.00	0.00	H
ATOM	1146	H4'	C B	18	40.327	-47.384	41.394	1.00	0.00	H
ATOM	1147	H41	C B	18	37.178	-45.071	33.734	1.00	0.00	H
ATOM	1148	H42	C B	18	36.369	-46.657	33.609	1.00	0.00	H
ATOM	1149	H2'1	C B	18	41.630	-46.624	37.836	1.00	0.00	H
ATOM	1150	H2'2	C B	18	42.150	-48.302	37.841	1.00	0.00	H
ATOM	1151	H5'1	C B	18	39.099	-45.329	40.391	1.00	0.00	H
ATOM	1152	H5'2	C B	18	40.616	-45.115	41.289	1.00	0.00	H
ATOM	1153	C1'	C B	19	40.723	-52.509	36.258	1.00	0.00	C
ATOM	1154	N1	C B	19	40.570	-51.305	35.395	1.00	0.00	N
ATOM	1155	C2	C B	19	39.630	-51.352	34.368	1.00	0.00	C
ATOM	1156	O2	C B	19	38.964	-52.384	34.214	1.00	0.00	O
ATOM	1157	N3	C B	19	39.476	-50.266	33.573	1.00	0.00	N
ATOM	1158	C4	C B	19	40.213	-49.163	33.764	1.00	0.00	C
ATOM	1159	N4	C B	19	40.022	-48.132	32.959	1.00	0.00	N
ATOM	1160	C5	C B	19	41.187	-49.089	34.810	1.00	0.00	C
ATOM	1161	C6	C B	19	41.323	-50.193	35.600	1.00	0.00	C
ATOM	1162	C2'	C B	19	42.161	-52.794	36.662	1.00	0.00	C
ATOM	1163	C3'	C B	19	41.990	-53.334	38.076	1.00	0.00	C
ATOM	1164	O3'	C B	19	41.698	-54.727	38.014	1.00	0.00	O
ATOM	1165	C4'	C B	19	40.814	-52.519	38.609	1.00	0.00	C
ATOM	1166	O4'	C B	19	39.969	-52.293	37.436	1.00	0.00	O
ATOM	1167	C5'	C B	19	41.146	-51.183	39.229	1.00	0.00	C
ATOM	1168	O5'	C B	19	42.239	-50.564	38.505	1.00	0.00	O
ATOM	1169	O1P	C B	19	44.109	-50.531	40.189	1.00	0.00	O
ATOM	1170	O2P	C B	19	44.033	-48.812	38.362	1.00	0.00	O
ATOM	1171	P	C B	19	43.287	-49.675	39.311	1.00	0.00	P
ATOM	1172	H5	C B	19	41.791	-48.196	34.970	1.00	0.00	H
ATOM	1173	H6	C B	19	42.051	-50.182	36.410	1.00	0.00	H
ATOM	1174	H1'	C B	19	40.287	-53.361	35.731	1.00	0.00	H
ATOM	1175	H3'	C B	19	42.883	-53.177	38.682	1.00	0.00	H
ATOM	1176	H4'	C B	19	40.327	-53.129	39.372	1.00	0.00	H

ATOM	1177	H41	C B	19	40.573	-47.270	33.084	1.00	0.00	H
ATOM	1178	H42	C B	19	39.319	-48.187	32.206	1.00	0.00	H
ATOM	1179	H2'1	C B	19	42.780	-51.898	36.653	1.00	0.00	H
ATOM	1180	H2'2	C B	19	42.636	-53.530	36.013	1.00	0.00	H
ATOM	1181	H5'1	C B	19	40.267	-50.541	39.191	1.00	0.00	H
ATOM	1182	H5'2	C B	19	41.433	-51.334	40.270	1.00	0.00	H
ATOM	1183	C1'	T B	20	40.316	-55.884	32.660	1.00	0.00	C
ATOM	1184	N1	T B	20	40.849	-54.531	32.357	1.00	0.00	N
ATOM	1185	C2	T B	20	40.275	-53.848	31.304	1.00	0.00	C
ATOM	1186	O2	T B	20	39.370	-54.312	30.632	1.00	0.00	O
ATOM	1187	N3	T B	20	40.801	-52.594	31.058	1.00	0.00	N
ATOM	1188	C4	T B	20	41.820	-51.980	31.752	1.00	0.00	C
ATOM	1189	O4	T B	20	42.208	-50.848	31.437	1.00	0.00	O
ATOM	1190	C5	T B	20	42.355	-52.767	32.836	1.00	0.00	C
ATOM	1191	C6	T B	20	41.868	-53.996	33.105	1.00	0.00	C
ATOM	1192	C7	T B	20	43.467	-52.137	33.621	1.00	0.00	C
ATOM	1193	C2'	T B	20	41.386	-56.884	33.086	1.00	0.00	C
ATOM	1194	C3'	T B	20	40.645	-57.719	34.120	1.00	0.00	C
ATOM	1195	O3'	T B	20	39.909	-58.744	33.456	1.00	0.00	O
ATOM	1196	C4'	T B	20	39.732	-56.695	34.793	1.00	0.00	C
ATOM	1197	O4'	T B	20	39.391	-55.758	33.722	1.00	0.00	O
ATOM	1198	C5'	T B	20	40.329	-55.917	35.943	1.00	0.00	C
ATOM	1199	O5'	T B	20	41.726	-55.640	35.675	1.00	0.00	O
ATOM	1200	O1P	T B	20	42.933	-56.969	37.437	1.00	0.00	O
ATOM	1201	O2P	T B	20	43.987	-54.902	36.483	1.00	0.00	O
ATOM	1202	P	T B	20	42.750	-55.608	36.895	1.00	0.00	P
ATOM	1203	H3	T B	20	40.390	-52.064	30.277	1.00	0.00	H
ATOM	1204	H6	T B	20	42.289	-54.572	33.929	1.00	0.00	H
ATOM	1205	H1'	T B	20	39.774	-56.243	31.784	1.00	0.00	H
ATOM	1206	H3'	T B	20	41.325	-58.172	34.839	1.00	0.00	H
ATOM	1207	H4'	T B	20	38.870	-57.243	35.172	1.00	0.00	H
ATOM	1208	H3T	T B	20	40.422	-59.289	32.854	1.00	0.00	H
ATOM	1209	H71	T B	20	44.385	-52.706	33.473	1.00	0.00	H
ATOM	1210	H72	T B	20	43.615	-51.111	33.280	1.00	0.00	H
ATOM	1211	H73	T B	20	43.209	-52.134	34.681	1.00	0.00	H
ATOM	1212	H2'1	T B	20	42.255	-56.396	33.519	1.00	0.00	H
ATOM	1213	H2'2	T B	20	41.732	-57.498	32.254	1.00	0.00	H
ATOM	1214	H5'1	T B	20	39.782	-54.983	36.064	1.00	0.00	H
ATOM	1215	H5'2	T B	20	40.239	-56.506	36.856	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	36.617	-71.654	60.513	1.00	0.00	C
ATOM	2	N1	A A	1	40.282	-69.429	63.334	1.00	0.00	N
ATOM	3	C2	A A	1	39.343	-70.326	63.625	1.00	0.00	C
ATOM	4	N3	A A	1	38.429	-70.863	62.845	1.00	0.00	N
ATOM	5	C4	A A	1	38.531	-70.368	61.600	1.00	0.00	C
ATOM	6	C5	A A	1	39.431	-69.446	61.141	1.00	0.00	C
ATOM	7	C6	A A	1	40.359	-68.954	62.082	1.00	0.00	C
ATOM	8	N6	A A	1	41.303	-68.047	61.778	1.00	0.00	N
ATOM	9	N7	A A	1	39.232	-69.180	59.798	1.00	0.00	N
ATOM	10	C8	A A	1	38.225	-69.936	59.476	1.00	0.00	C
ATOM	11	N9	A A	1	37.747	-70.687	60.517	1.00	0.00	N
ATOM	12	C2'	A A	1	35.445	-71.225	59.641	1.00	0.00	C
ATOM	13	C3'	A A	1	34.960	-72.553	59.086	1.00	0.00	C
ATOM	14	O3'	A A	1	34.078	-73.162	60.028	1.00	0.00	O

ATOM	15	C4'	A	A	1	36.255	-73.346	58.914	1.00	0.00	C
ATOM	16	O4'	A	A	1	37.107	-72.884	60.012	1.00	0.00	O
ATOM	17	C5'	A	A	1	36.994	-73.147	57.613	1.00	0.00	C
ATOM	18	O5'	A	A	1	36.878	-71.766	57.187	1.00	0.00	O
ATOM	19	H2	A	A	1	39.331	-70.669	64.660	1.00	0.00	H
ATOM	20	H8	A	A	1	37.801	-69.968	58.472	1.00	0.00	H
ATOM	21	H1'	A	A	1	36.301	-71.813	61.543	1.00	0.00	H
ATOM	22	H3'	A	A	1	34.443	-72.434	58.132	1.00	0.00	H
ATOM	23	H4'	A	A	1	35.993	-74.400	58.992	1.00	0.00	H
ATOM	24	H61	A	A	1	41.956	-67.722	62.501	1.00	0.00	H
ATOM	25	H62	A	A	1	41.368	-67.678	60.817	1.00	0.00	H
ATOM	26	H5T	A	A	1	36.834	-71.575	56.248	1.00	0.00	H
ATOM	27	H2'1	A	A	1	35.748	-70.549	58.843	1.00	0.00	H
ATOM	28	H2'2	A	A	1	34.663	-70.727	60.216	1.00	0.00	H
ATOM	29	H5'1	A	A	1	38.044	-73.402	57.755	1.00	0.00	H
ATOM	30	H5'2	A	A	1	36.569	-73.803	56.856	1.00	0.00	H
ATOM	31	C1'	G	A	2	34.816	-70.362	64.955	1.00	0.00	C
ATOM	32	N1	G	A	2	38.556	-66.895	64.853	1.00	0.00	N
ATOM	33	C2	G	A	2	38.124	-67.702	65.888	1.00	0.00	C
ATOM	34	N2	G	A	2	38.771	-67.568	67.050	1.00	0.00	N
ATOM	35	N3	G	A	2	37.124	-68.576	65.773	1.00	0.00	N
ATOM	36	C4	G	A	2	36.578	-68.574	64.527	1.00	0.00	C
ATOM	37	C5	G	A	2	36.943	-67.803	63.435	1.00	0.00	C
ATOM	38	C6	G	A	2	38.007	-66.880	63.558	1.00	0.00	C
ATOM	39	O6	G	A	2	38.473	-66.117	62.712	1.00	0.00	O
ATOM	40	N7	G	A	2	36.131	-68.104	62.339	1.00	0.00	N
ATOM	41	C8	G	A	2	35.322	-69.030	62.791	1.00	0.00	C
ATOM	42	N9	G	A	2	35.532	-69.368	64.112	1.00	0.00	N
ATOM	43	C2'	G	A	2	33.318	-70.427	64.689	1.00	0.00	C
ATOM	44	C3'	G	A	2	33.026	-71.907	64.874	1.00	0.00	C
ATOM	45	O3'	G	A	2	32.823	-72.176	66.259	1.00	0.00	O
ATOM	46	C4'	G	A	2	34.293	-72.572	64.337	1.00	0.00	C
ATOM	47	O4'	G	A	2	35.363	-71.637	64.678	1.00	0.00	O
ATOM	48	C5'	G	A	2	34.333	-72.835	62.849	1.00	0.00	C
ATOM	49	O5'	G	A	2	33.677	-71.751	62.143	1.00	0.00	O
ATOM	50	O1P	G	A	2	31.657	-72.858	61.128	1.00	0.00	O
ATOM	51	O2P	G	A	2	32.662	-70.835	60.036	1.00	0.00	O
ATOM	52	P	G	A	2	32.872	-72.085	60.807	1.00	0.00	P
ATOM	53	H1	G	A	2	39.340	-66.255	65.045	1.00	0.00	H
ATOM	54	H8	G	A	2	34.549	-69.491	62.177	1.00	0.00	H
ATOM	55	H1'	G	A	2	35.016	-70.131	66.002	1.00	0.00	H
ATOM	56	H21	G	A	2	39.545	-66.892	67.133	1.00	0.00	H
ATOM	57	H3'	G	A	2	32.147	-72.224	64.312	1.00	0.00	H
ATOM	58	H22	G	A	2	38.496	-68.140	67.861	1.00	0.00	H
ATOM	59	H4'	G	A	2	34.386	-73.532	64.847	1.00	0.00	H
ATOM	60	H2'1	G	A	2	33.062	-70.095	63.683	1.00	0.00	H
ATOM	61	H2'2	G	A	2	32.746	-69.818	65.391	1.00	0.00	H
ATOM	62	H5'1	G	A	2	35.371	-72.909	62.527	1.00	0.00	H
ATOM	63	H5'2	G	A	2	33.825	-73.776	62.638	1.00	0.00	H
ATOM	64	C1'	G	A	3	34.704	-67.656	69.101	1.00	0.00	C
ATOM	65	N1	G	A	3	37.013	-64.152	66.203	1.00	0.00	N
ATOM	66	C2	G	A	3	37.273	-64.536	67.504	1.00	0.00	C
ATOM	67	N2	G	A	3	38.280	-63.902	68.117	1.00	0.00	N
ATOM	68	N3	G	A	3	36.584	-65.478	68.145	1.00	0.00	N

ATOM	69	C4	G A	3	35.597	-66.009	67.376	1.00	0.00	C
ATOM	70	C5	G A	3	35.263	-65.686	66.070	1.00	0.00	C
ATOM	71	C6	G A	3	35.999	-64.689	65.388	1.00	0.00	C
ATOM	72	O6	G A	3	35.857	-64.267	64.240	1.00	0.00	O
ATOM	73	N7	G A	3	34.185	-66.462	65.641	1.00	0.00	N
ATOM	74	C8	G A	3	33.907	-67.215	66.673	1.00	0.00	C
ATOM	75	N9	G A	3	34.721	-66.998	67.766	1.00	0.00	N
ATOM	76	C2'	G A	3	33.304	-67.963	69.616	1.00	0.00	C
ATOM	77	C3'	G A	3	33.515	-69.278	70.347	1.00	0.00	C
ATOM	78	O3'	G A	3	33.978	-69.011	71.669	1.00	0.00	O
ATOM	79	C4'	G A	3	34.577	-69.973	69.495	1.00	0.00	C
ATOM	80	O4'	G A	3	35.404	-68.880	68.987	1.00	0.00	O
ATOM	81	C5'	G A	3	34.072	-70.782	68.323	1.00	0.00	C
ATOM	82	O5'	G A	3	32.925	-70.124	67.731	1.00	0.00	O
ATOM	83	O1P	G A	3	31.036	-71.725	68.185	1.00	0.00	O
ATOM	84	O2P	G A	3	30.931	-70.192	66.203	1.00	0.00	O
ATOM	85	P	G A	3	31.761	-71.022	67.110	1.00	0.00	P
ATOM	86	H1	G A	3	37.609	-63.414	65.797	1.00	0.00	H
ATOM	87	H8	G A	3	33.104	-67.951	66.672	1.00	0.00	H
ATOM	88	H1'	G A	3	35.248	-67.021	69.800	1.00	0.00	H
ATOM	89	H21	G A	3	38.811	-63.175	67.615	1.00	0.00	H
ATOM	90	H3'	G A	3	32.601	-69.870	70.397	1.00	0.00	H
ATOM	91	H22	G A	3	38.523	-64.140	69.088	1.00	0.00	H
ATOM	92	H4'	G A	3	35.121	-70.648	70.155	1.00	0.00	H
ATOM	93	H2'1	G A	3	32.580	-68.070	68.808	1.00	0.00	H
ATOM	94	H2'2	G A	3	32.933	-67.189	70.289	1.00	0.00	H
ATOM	95	H5'1	G A	3	34.867	-70.874	67.583	1.00	0.00	H
ATOM	96	H5'2	G A	3	33.789	-71.775	68.669	1.00	0.00	H
ATOM	97	C1'	C A	4	35.594	-63.587	71.782	1.00	0.00	C
ATOM	98	N1	C A	4	34.892	-63.490	70.471	1.00	0.00	N
ATOM	99	C2	C A	4	35.379	-62.580	69.536	1.00	0.00	C
ATOM	100	O2	C A	4	36.366	-61.895	69.829	1.00	0.00	O
ATOM	101	N3	C A	4	34.754	-62.479	68.338	1.00	0.00	N
ATOM	102	C4	C A	4	33.686	-63.233	68.053	1.00	0.00	C
ATOM	103	N4	C A	4	33.116	-63.095	66.865	1.00	0.00	N
ATOM	104	C5	C A	4	33.162	-64.177	68.997	1.00	0.00	C
ATOM	105	C6	C A	4	33.808	-64.265	70.194	1.00	0.00	C
ATOM	106	C2'	C A	4	34.660	-63.802	72.964	1.00	0.00	C
ATOM	107	C3'	C A	4	35.485	-64.714	73.859	1.00	0.00	C
ATOM	108	O3'	C A	4	36.361	-63.919	74.656	1.00	0.00	O
ATOM	109	C4'	C A	4	36.244	-65.579	72.856	1.00	0.00	C
ATOM	110	O4'	C A	4	36.477	-64.691	71.716	1.00	0.00	O
ATOM	111	C5'	C A	4	35.533	-66.817	72.365	1.00	0.00	C
ATOM	112	O5'	C A	4	34.114	-66.546	72.225	1.00	0.00	O
ATOM	113	O1P	C A	4	33.064	-68.020	73.972	1.00	0.00	O
ATOM	114	O2P	C A	4	31.762	-67.379	71.927	1.00	0.00	O
ATOM	115	P	C A	4	33.075	-67.717	72.529	1.00	0.00	P
ATOM	116	H5	C A	4	32.291	-64.790	68.770	1.00	0.00	H
ATOM	117	H6	C A	4	33.450	-64.971	70.943	1.00	0.00	H
ATOM	118	H1'	C A	4	36.191	-62.687	71.914	1.00	0.00	H
ATOM	119	H3'	C A	4	34.859	-65.323	74.510	1.00	0.00	H
ATOM	120	H4'	C A	4	37.166	-65.896	73.344	1.00	0.00	H
ATOM	121	H41	C A	4	32.293	-63.667	66.618	1.00	0.00	H
ATOM	122	H42	C A	4	33.492	-62.417	66.187	1.00	0.00	H

ATOM	123	H2'1	C A	4	33.724	-64.277	72.672	1.00	0.00	H
ATOM	124	H2'2	C A	4	34.411	-62.868	73.470	1.00	0.00	H
ATOM	125	H5'1	C A	4	35.947	-67.111	71.400	1.00	0.00	H
ATOM	126	H5'2	C A	4	35.683	-67.625	73.080	1.00	0.00	H
ATOM	127	C1'	C A	5	36.395	-58.736	72.369	1.00	0.00	C
ATOM	128	N1	C A	5	35.219	-59.219	71.592	1.00	0.00	N
ATOM	129	C2	C A	5	35.022	-58.696	70.316	1.00	0.00	C
ATOM	130	O2	C A	5	35.823	-57.858	69.881	1.00	0.00	O
ATOM	131	N3	C A	5	33.957	-59.124	69.594	1.00	0.00	N
ATOM	132	C4	C A	5	33.107	-60.030	70.090	1.00	0.00	C
ATOM	133	N4	C A	5	32.086	-60.415	69.341	1.00	0.00	N
ATOM	134	C5	C A	5	33.286	-60.583	71.401	1.00	0.00	C
ATOM	135	C6	C A	5	34.365	-60.141	72.108	1.00	0.00	C
ATOM	136	C2'	C A	5	36.120	-58.569	73.857	1.00	0.00	C
ATOM	137	C3'	C A	5	37.450	-58.981	74.472	1.00	0.00	C
ATOM	138	O3'	C A	5	38.331	-57.861	74.476	1.00	0.00	O
ATOM	139	C4'	C A	5	37.929	-60.088	73.534	1.00	0.00	C
ATOM	140	O4'	C A	5	37.431	-59.689	72.218	1.00	0.00	O
ATOM	141	C5'	C A	5	37.433	-61.483	73.836	1.00	0.00	C
ATOM	142	O5'	C A	5	36.065	-61.424	74.317	1.00	0.00	O
ATOM	143	O1P	C A	5	36.254	-62.206	76.701	1.00	0.00	O
ATOM	144	O2P	C A	5	34.109	-62.530	75.441	1.00	0.00	O
ATOM	145	P	C A	5	35.592	-62.482	75.413	1.00	0.00	P
ATOM	146	H5	C A	5	32.593	-61.318	71.813	1.00	0.00	H
ATOM	147	H6	C A	5	34.545	-60.535	73.108	1.00	0.00	H
ATOM	148	H1'	C A	5	36.734	-57.800	71.925	1.00	0.00	H
ATOM	149	H3'	C A	5	37.331	-59.350	75.490	1.00	0.00	H
ATOM	150	H4'	C A	5	39.017	-60.104	73.593	1.00	0.00	H
ATOM	151	H41	C A	5	31.417	-61.112	69.698	1.00	0.00	H
ATOM	152	H42	C A	5	31.959	-60.014	68.399	1.00	0.00	H
ATOM	153	H2'1	C A	5	35.310	-59.208	74.203	1.00	0.00	H
ATOM	154	H2'2	C A	5	35.864	-57.541	74.117	1.00	0.00	H
ATOM	155	H5'1	C A	5	37.477	-62.083	72.927	1.00	0.00	H
ATOM	156	H5'2	C A	5	38.071	-61.934	74.594	1.00	0.00	H
ATOM	157	C1'	G A	6	36.054	-53.980	71.032	1.00	0.00	C
ATOM	158	N1	G A	6	31.917	-55.571	68.507	1.00	0.00	N
ATOM	159	C2	G A	6	32.918	-54.698	68.113	1.00	0.00	C
ATOM	160	N2	G A	6	32.798	-54.179	66.886	1.00	0.00	N
ATOM	161	N3	G A	6	33.953	-54.371	68.885	1.00	0.00	N
ATOM	162	C4	G A	6	33.909	-54.983	70.096	1.00	0.00	C
ATOM	163	C5	G A	6	32.952	-55.862	70.576	1.00	0.00	C
ATOM	164	C6	G A	6	31.854	-56.213	69.758	1.00	0.00	C
ATOM	165	O6	G A	6	30.914	-56.968	70.003	1.00	0.00	O
ATOM	166	N7	G A	6	33.273	-56.266	71.873	1.00	0.00	N
ATOM	167	C8	G A	6	34.391	-55.636	72.132	1.00	0.00	C
ATOM	168	N9	G A	6	34.840	-54.836	71.102	1.00	0.00	N
ATOM	169	C2'	G A	6	36.388	-53.280	72.343	1.00	0.00	C
ATOM	170	C3'	G A	6	37.908	-53.291	72.333	1.00	0.00	C
ATOM	171	O3'	G A	6	38.380	-52.174	71.581	1.00	0.00	O
ATOM	172	C4'	G A	6	38.232	-54.621	71.654	1.00	0.00	C
ATOM	173	O4'	G A	6	37.150	-54.809	70.691	1.00	0.00	O
ATOM	174	C5'	G A	6	38.296	-55.834	72.553	1.00	0.00	C
ATOM	175	O5'	G A	6	37.291	-55.730	73.591	1.00	0.00	O
ATOM	176	O1P	G A	6	38.649	-55.511	75.698	1.00	0.00	O

ATOM	177	O2P	G A	6	36.346	-56.504	75.788	1.00	0.00	O
ATOM	178	P	G A	6	37.613	-56.325	75.036	1.00	0.00	P
ATOM	179	H1	G A	6	31.163	-55.764	67.831	1.00	0.00	H
ATOM	180	H8	G A	6	34.921	-55.732	73.080	1.00	0.00	H
ATOM	181	H1'	G A	6	35.917	-53.256	70.227	1.00	0.00	H
ATOM	182	H21	G A	6	31.997	-54.440	66.293	1.00	0.00	H
ATOM	183	H3'	G A	6	38.325	-53.250	73.339	1.00	0.00	H
ATOM	184	H22	G A	6	33.508	-53.521	66.534	1.00	0.00	H
ATOM	185	H4'	G A	6	39.208	-54.505	71.182	1.00	0.00	H
ATOM	186	H2'1	G A	6	35.994	-53.813	73.208	1.00	0.00	H
ATOM	187	H2'2	G A	6	35.998	-52.263	72.381	1.00	0.00	H
ATOM	188	H5'1	G A	6	38.121	-56.730	71.959	1.00	0.00	H
ATOM	189	H5'2	G A	6	39.286	-55.894	73.003	1.00	0.00	H
ATOM	190	C1'	C A	7	33.958	-50.159	68.681	1.00	0.00	C
ATOM	191	N1	C A	7	33.145	-51.036	69.568	1.00	0.00	N
ATOM	192	C2	C A	7	31.969	-51.575	69.053	1.00	0.00	C
ATOM	193	O2	C A	7	31.646	-51.303	67.890	1.00	0.00	O
ATOM	194	N3	C A	7	31.216	-52.378	69.845	1.00	0.00	N
ATOM	195	C4	C A	7	31.591	-52.653	71.101	1.00	0.00	C
ATOM	196	N4	C A	7	30.820	-53.447	71.828	1.00	0.00	N
ATOM	197	C5	C A	7	32.795	-52.110	71.658	1.00	0.00	C
ATOM	198	C6	C A	7	33.540	-51.309	70.841	1.00	0.00	C
ATOM	199	C2'	C A	7	34.597	-48.980	69.402	1.00	0.00	C
ATOM	200	C3'	C A	7	35.927	-48.848	68.676	1.00	0.00	C
ATOM	201	O3'	C A	7	35.741	-48.064	67.498	1.00	0.00	O
ATOM	202	C4'	C A	7	36.284	-50.297	68.355	1.00	0.00	C
ATOM	203	O4'	C A	7	34.993	-50.946	68.126	1.00	0.00	O
ATOM	204	C5'	C A	7	37.024	-51.059	69.431	1.00	0.00	C
ATOM	205	O5'	C A	7	36.537	-50.659	70.737	1.00	0.00	O
ATOM	206	O1P	C A	7	38.524	-49.516	71.776	1.00	0.00	O
ATOM	207	O2P	C A	7	36.804	-50.617	73.234	1.00	0.00	O
ATOM	208	P	C A	7	37.560	-50.621	71.959	1.00	0.00	P
ATOM	209	H5	C A	7	33.102	-52.327	72.683	1.00	0.00	H
ATOM	210	H6	C A	7	34.469	-50.879	71.217	1.00	0.00	H
ATOM	211	H1'	C A	7	33.320	-49.818	67.864	1.00	0.00	H
ATOM	212	H3'	C A	7	36.688	-48.382	69.302	1.00	0.00	H
ATOM	213	H4'	C A	7	36.916	-50.278	67.468	1.00	0.00	H
ATOM	214	H41	C A	7	31.085	-53.677	72.798	1.00	0.00	H
ATOM	215	H42	C A	7	29.952	-53.834	71.429	1.00	0.00	H
ATOM	216	H2'1	C A	7	34.743	-49.174	70.463	1.00	0.00	H
ATOM	217	H2'2	C A	7	34.003	-48.069	69.314	1.00	0.00	H
ATOM	218	H5'1	C A	7	36.863	-52.128	69.288	1.00	0.00	H
ATOM	219	H5'2	C A	7	38.089	-50.843	69.355	1.00	0.00	H
ATOM	220	C1'	A A	8	30.170	-47.743	66.598	1.00	0.00	C
ATOM	221	N1	A A	8	27.338	-50.635	69.754	1.00	0.00	N
ATOM	222	C2	A A	8	27.192	-50.290	68.479	1.00	0.00	C
ATOM	223	N3	A A	8	27.964	-49.541	67.720	1.00	0.00	N
ATOM	224	C4	A A	8	29.024	-49.104	68.426	1.00	0.00	C
ATOM	225	C5	A A	8	29.318	-49.365	69.735	1.00	0.00	C
ATOM	226	C6	A A	8	28.406	-50.185	70.430	1.00	0.00	C
ATOM	227	N6	A A	8	28.564	-50.528	71.721	1.00	0.00	N
ATOM	228	N7	A A	8	30.495	-48.745	70.116	1.00	0.00	N
ATOM	229	C8	A A	8	30.883	-48.124	69.041	1.00	0.00	C
ATOM	230	N9	A A	8	30.041	-48.298	67.974	1.00	0.00	N

ATOM	231	C2'	A A	8	30.726	-46.326	66.557	1.00	0.00	C
ATOM	232	C3'	A A	8	31.563	-46.351	65.289	1.00	0.00	C
ATOM	233	O3'	A A	8	30.724	-46.089	64.169	1.00	0.00	O
ATOM	234	C4'	A A	8	32.118	-47.775	65.275	1.00	0.00	C
ATOM	235	O4'	A A	8	31.055	-48.582	65.878	1.00	0.00	O
ATOM	236	C5'	A A	8	33.398	-48.005	66.045	1.00	0.00	C
ATOM	237	O5'	A A	8	33.397	-47.195	67.248	1.00	0.00	O
ATOM	238	O1P	A A	8	35.273	-45.564	66.849	1.00	0.00	O
ATOM	239	O2P	A A	8	34.636	-46.195	69.192	1.00	0.00	O
ATOM	240	P	A A	8	34.783	-46.604	67.773	1.00	0.00	P
ATOM	241	H2	A A	8	26.303	-50.685	67.989	1.00	0.00	H
ATOM	242	H8	A A	8	31.790	-47.523	68.992	1.00	0.00	H
ATOM	243	H1'	A A	8	29.194	-47.796	66.117	1.00	0.00	H
ATOM	244	H3'	A A	8	32.369	-45.617	65.317	1.00	0.00	H
ATOM	245	H4'	A A	8	32.305	-48.030	64.233	1.00	0.00	H
ATOM	246	H61	A A	8	27.869	-51.132	72.181	1.00	0.00	H
ATOM	247	H62	A A	8	29.380	-50.184	72.247	1.00	0.00	H
ATOM	248	H2'1	A A	8	31.334	-46.095	67.430	1.00	0.00	H
ATOM	249	H2'2	A A	8	29.937	-45.576	66.498	1.00	0.00	H
ATOM	250	H5'1	A A	8	33.468	-49.060	66.312	1.00	0.00	H
ATOM	251	H5'2	A A	8	34.246	-47.735	65.418	1.00	0.00	H
ATOM	252	C1'	C A	9	25.348	-46.722	65.999	1.00	0.00	C
ATOM	253	N1	C A	9	25.959	-46.701	67.356	1.00	0.00	N
ATOM	254	C2	C A	9	25.336	-47.432	68.366	1.00	0.00	C
ATOM	255	O2	C A	9	24.306	-48.064	68.094	1.00	0.00	O
ATOM	256	N3	C A	9	25.877	-47.425	69.607	1.00	0.00	N
ATOM	257	C4	C A	9	26.991	-46.731	69.870	1.00	0.00	C
ATOM	258	N4	C A	9	27.480	-46.763	71.102	1.00	0.00	N
ATOM	259	C5	C A	9	27.653	-45.966	68.853	1.00	0.00	C
ATOM	260	C6	C A	9	27.094	-45.990	67.607	1.00	0.00	C
ATOM	261	C2'	C A	9	25.423	-45.387	65.272	1.00	0.00	C
ATOM	262	C3'	C A	9	25.632	-45.825	63.829	1.00	0.00	C
ATOM	263	O3'	C A	9	24.365	-46.109	63.239	1.00	0.00	O
ATOM	264	C4'	C A	9	26.496	-47.074	63.974	1.00	0.00	C
ATOM	265	O4'	C A	9	26.046	-47.681	65.228	1.00	0.00	O
ATOM	266	C5'	C A	9	27.987	-46.855	64.052	1.00	0.00	C
ATOM	267	O5'	C A	9	28.266	-45.640	64.795	1.00	0.00	O
ATOM	268	O1P	C A	9	29.280	-44.119	63.065	1.00	0.00	O
ATOM	269	O2P	C A	9	29.873	-43.837	65.487	1.00	0.00	O
ATOM	270	P	C A	9	29.524	-44.755	64.375	1.00	0.00	P
ATOM	271	H5	C A	9	28.557	-45.394	69.063	1.00	0.00	H
ATOM	272	H6	C A	9	27.563	-45.431	66.799	1.00	0.00	H
ATOM	273	H1'	C A	9	24.315	-47.057	66.097	1.00	0.00	H
ATOM	274	H3'	C A	9	26.140	-45.061	63.241	1.00	0.00	H
ATOM	275	H4'	C A	9	26.297	-47.699	63.104	1.00	0.00	H
ATOM	276	H41	C A	9	28.337	-46.239	71.329	1.00	0.00	H
ATOM	277	H42	C A	9	27.001	-47.311	71.831	1.00	0.00	H
ATOM	278	H2'1	C A	9	26.251	-44.771	65.621	1.00	0.00	H
ATOM	279	H2'2	C A	9	24.510	-44.803	65.383	1.00	0.00	H
ATOM	280	H5'1	C A	9	28.451	-47.705	64.552	1.00	0.00	H
ATOM	281	H5'2	C A	9	28.390	-46.769	63.043	1.00	0.00	H
ATOM	282	C1'	C A	10	20.631	-46.468	67.485	1.00	0.00	C
ATOM	283	N1	C A	10	21.715	-45.867	68.309	1.00	0.00	N
ATOM	284	C2	C A	10	21.777	-46.211	69.658	1.00	0.00	C

ATOM	285	O2	C A	10	20.934	-46.995	70.115	1.00	0.00	O
ATOM	286	N3	C A	10	22.758	-45.676	70.425	1.00	0.00	N
ATOM	287	C4	C A	10	23.654	-44.828	69.905	1.00	0.00	C
ATOM	288	N4	C A	10	24.595	-44.336	70.699	1.00	0.00	N
ATOM	289	C5	C A	10	23.613	-44.454	68.520	1.00	0.00	C
ATOM	290	C6	C A	10	22.620	-45.010	67.766	1.00	0.00	C
ATOM	291	C2'	C A	10	20.047	-45.515	66.452	1.00	0.00	C
ATOM	292	C3'	C A	10	19.752	-46.452	65.290	1.00	0.00	C
ATOM	293	O3'	C A	10	18.479	-47.063	65.493	1.00	0.00	O
ATOM	294	C4'	C A	10	20.896	-47.460	65.367	1.00	0.00	C
ATOM	295	O4'	C A	10	21.178	-47.578	66.798	1.00	0.00	O
ATOM	296	C5'	C A	10	22.172	-47.082	64.653	1.00	0.00	C
ATOM	297	O5'	C A	10	22.399	-45.655	64.775	1.00	0.00	O
ATOM	298	O1P	C A	10	22.174	-44.827	62.409	1.00	0.00	O
ATOM	299	O2P	C A	10	23.612	-43.579	64.045	1.00	0.00	O
ATOM	300	P	C A	10	23.092	-44.884	63.564	1.00	0.00	P
ATOM	301	H5	C A	10	24.338	-43.759	68.093	1.00	0.00	H
ATOM	302	H6	C A	10	22.553	-44.762	66.706	1.00	0.00	H
ATOM	303	H1'	C A	10	19.857	-46.838	68.158	1.00	0.00	H
ATOM	304	H3'	C A	10	19.751	-45.927	64.333	1.00	0.00	H
ATOM	305	H4'	C A	10	20.530	-48.388	64.927	1.00	0.00	H
ATOM	306	H41	C A	10	25.298	-43.685	70.322	1.00	0.00	H
ATOM	307	H42	C A	10	24.620	-44.605	71.693	1.00	0.00	H
ATOM	308	H2'1	C A	10	20.749	-44.735	66.164	1.00	0.00	H
ATOM	309	H2'2	C A	10	19.139	-45.025	66.808	1.00	0.00	H
ATOM	310	H5'1	C A	10	23.006	-47.627	65.098	1.00	0.00	H
ATOM	311	H5'2	C A	10	22.087	-47.355	63.602	1.00	0.00	H
ATOM	312	C1'	T A	11	17.040	-46.125	70.876	1.00	0.00	C
ATOM	313	N1	T A	11	18.168	-45.156	70.883	1.00	0.00	N
ATOM	314	C2	T A	11	18.834	-44.972	72.079	1.00	0.00	C
ATOM	315	O2	T A	11	18.532	-45.566	73.100	1.00	0.00	O
ATOM	316	N3	T A	11	19.877	-44.064	72.041	1.00	0.00	N
ATOM	317	C4	T A	11	20.295	-43.341	70.943	1.00	0.00	C
ATOM	318	O4	T A	11	21.244	-42.551	71.031	1.00	0.00	O
ATOM	319	C5	T A	11	19.540	-43.600	69.740	1.00	0.00	C
ATOM	320	C6	T A	11	18.519	-44.479	69.740	1.00	0.00	C
ATOM	321	C7	T A	11	19.963	-42.835	68.521	1.00	0.00	C
ATOM	322	C2'	T A	11	15.867	-45.695	70.006	1.00	0.00	C
ATOM	323	C3'	T A	11	15.382	-47.022	69.446	1.00	0.00	C
ATOM	324	O3'	T A	11	14.500	-47.634	70.385	1.00	0.00	O
ATOM	325	C4'	T A	11	16.678	-47.810	69.272	1.00	0.00	C
ATOM	326	O4'	T A	11	17.529	-47.352	70.370	1.00	0.00	O
ATOM	327	C5'	T A	11	17.418	-47.607	67.971	1.00	0.00	C
ATOM	328	O5'	T A	11	17.300	-46.224	67.550	1.00	0.00	O
ATOM	329	O1P	T A	11	15.941	-46.372	65.438	1.00	0.00	O
ATOM	330	O2P	T A	11	17.539	-44.466	65.770	1.00	0.00	O
ATOM	331	P	T A	11	17.224	-45.899	65.991	1.00	0.00	P
ATOM	332	H3	T A	11	20.392	-43.913	72.918	1.00	0.00	H
ATOM	333	H6	T A	11	17.962	-44.657	68.820	1.00	0.00	H
ATOM	334	H1'	T A	11	16.723	-46.288	71.906	1.00	0.00	H
ATOM	335	H3'	T A	11	14.865	-46.898	68.495	1.00	0.00	H
ATOM	336	H4'	T A	11	16.418	-48.867	69.345	1.00	0.00	H
ATOM	337	H71	T A	11	19.169	-42.151	68.226	1.00	0.00	H
ATOM	338	H72	T A	11	20.867	-42.267	68.744	1.00	0.00	H

ATOM	339	H73	T	A	11	20.165	-43.531	67.707	1.00	0.00	H
ATOM	340	H2'1	T	A	11	16.169	-45.015	69.212	1.00	0.00	H
ATOM	341	H2'2	T	A	11	15.085	-45.197	70.582	1.00	0.00	H
ATOM	342	H5'1	T	A	11	18.469	-47.860	68.112	1.00	0.00	H
ATOM	343	H5'2	T	A	11	16.991	-48.260	67.210	1.00	0.00	H
ATOM	344	C1'	A	A	12	15.219	-44.848	75.313	1.00	0.00	C
ATOM	345	N1	A	A	12	18.989	-41.365	75.236	1.00	0.00	N
ATOM	346	C2	A	A	12	18.525	-42.167	76.190	1.00	0.00	C
ATOM	347	N3	A	A	12	17.547	-43.048	76.140	1.00	0.00	N
ATOM	348	C4	A	A	12	16.996	-43.064	74.915	1.00	0.00	C
ATOM	349	C5	A	A	12	17.351	-42.307	73.833	1.00	0.00	C
ATOM	350	C6	A	A	12	18.418	-41.403	74.023	1.00	0.00	C
ATOM	351	N6	A	A	12	18.877	-40.596	73.050	1.00	0.00	N
ATOM	352	N7	A	A	12	16.558	-42.598	72.738	1.00	0.00	N
ATOM	353	C8	A	A	12	15.744	-43.512	73.176	1.00	0.00	C
ATOM	354	N9	A	A	12	15.951	-43.847	74.490	1.00	0.00	N
ATOM	355	C2'	A	A	12	13.725	-44.902	75.024	1.00	0.00	C
ATOM	356	C3'	A	A	12	13.423	-46.382	75.191	1.00	0.00	C
ATOM	357	O3'	A	A	12	13.201	-46.662	76.571	1.00	0.00	O
ATOM	358	C4'	A	A	12	14.693	-47.049	74.665	1.00	0.00	C
ATOM	359	O4'	A	A	12	15.764	-46.122	75.030	1.00	0.00	O
ATOM	360	C5'	A	A	12	14.752	-47.298	73.177	1.00	0.00	C
ATOM	361	O5'	A	A	12	14.112	-46.205	72.471	1.00	0.00	O
ATOM	362	O1P	A	A	12	12.100	-47.290	71.418	1.00	0.00	O
ATOM	363	O2P	A	A	12	13.130	-45.261	70.359	1.00	0.00	O
ATOM	364	P	A	A	12	13.323	-46.520	71.121	1.00	0.00	P
ATOM	365	H2	A	A	12	19.029	-42.084	77.152	1.00	0.00	H
ATOM	366	H8	A	A	12	14.969	-43.969	72.560	1.00	0.00	H
ATOM	367	H1'	A	A	12	15.407	-44.628	76.362	1.00	0.00	H
ATOM	368	H3'	A	A	12	12.550	-46.689	74.615	1.00	0.00	H
ATOM	369	H4'	A	A	12	14.774	-48.013	75.167	1.00	0.00	H
ATOM	370	H61	A	A	12	19.660	-39.957	73.239	1.00	0.00	H
ATOM	371	H62	A	A	12	18.442	-40.619	72.116	1.00	0.00	H
ATOM	372	H2'1	A	A	12	13.484	-44.559	74.020	1.00	0.00	H
ATOM	373	H2'2	A	A	12	13.148	-44.298	75.725	1.00	0.00	H
ATOM	374	H5'1	A	A	12	15.795	-47.374	72.868	1.00	0.00	H
ATOM	375	H5'2	A	A	12	14.242	-48.231	72.948	1.00	0.00	H
ATOM	376	C1'	G	A	13	15.126	-42.127	79.464	1.00	0.00	C
ATOM	377	N1	G	A	13	17.436	-38.622	76.565	1.00	0.00	N
ATOM	378	C2	G	A	13	17.696	-39.007	77.868	1.00	0.00	C
ATOM	379	N2	G	A	13	18.702	-38.371	78.483	1.00	0.00	N
ATOM	380	N3	G	A	13	17.005	-39.949	78.508	1.00	0.00	N
ATOM	381	C4	G	A	13	16.018	-40.479	77.739	1.00	0.00	C
ATOM	382	C5	G	A	13	15.686	-40.156	76.433	1.00	0.00	C
ATOM	383	C6	G	A	13	16.421	-39.158	75.752	1.00	0.00	C
ATOM	384	O6	G	A	13	16.276	-38.737	74.604	1.00	0.00	O
ATOM	385	N7	G	A	13	14.607	-40.932	76.005	1.00	0.00	N
ATOM	386	C8	G	A	13	14.329	-41.686	77.037	1.00	0.00	C
ATOM	387	N9	G	A	13	15.143	-41.468	78.129	1.00	0.00	N
ATOM	388	C2'	G	A	13	13.727	-42.433	79.980	1.00	0.00	C
ATOM	389	C3'	G	A	13	13.937	-43.748	80.710	1.00	0.00	C
ATOM	390	O3'	G	A	13	14.400	-43.482	82.032	1.00	0.00	O
ATOM	391	C4'	G	A	13	14.998	-44.444	79.858	1.00	0.00	C
ATOM	392	O4'	G	A	13	15.827	-43.351	79.350	1.00	0.00	O

ATOM	393	C5'	G	A	13	14.494	-45.252	78.686	1.00	0.00	C
ATOM	394	O5'	G	A	13	13.347	-44.595	78.094	1.00	0.00	O
ATOM	395	O1P	G	A	13	11.457	-46.195	78.548	1.00	0.00	O
ATOM	396	O2P	G	A	13	11.354	-44.662	76.566	1.00	0.00	O
ATOM	397	P	G	A	13	12.182	-45.492	77.473	1.00	0.00	P
ATOM	398	H1	G	A	13	18.034	-37.885	76.159	1.00	0.00	H
ATOM	399	H8	G	A	13	13.526	-42.421	77.036	1.00	0.00	H
ATOM	400	H1'	G	A	13	15.671	-41.491	80.165	1.00	0.00	H
ATOM	401	H21	G	A	13	19.235	-37.645	77.979	1.00	0.00	H
ATOM	402	H3'	G	A	13	13.023	-44.340	80.759	1.00	0.00	H
ATOM	403	H22	G	A	13	18.943	-38.610	79.453	1.00	0.00	H
ATOM	404	H4'	G	A	13	15.543	-45.119	80.519	1.00	0.00	H
ATOM	405	H2'1	G	A	13	13.002	-42.540	79.172	1.00	0.00	H
ATOM	406	H2'2	G	A	13	13.355	-41.660	80.653	1.00	0.00	H
ATOM	407	H5'1	G	A	13	15.289	-45.345	77.946	1.00	0.00	H
ATOM	408	H5'2	G	A	13	14.211	-46.246	79.033	1.00	0.00	H
ATOM	409	C1'	G	A	14	16.015	-38.057	82.144	1.00	0.00	C
ATOM	410	N1	G	A	14	15.919	-35.733	77.605	1.00	0.00	N
ATOM	411	C2	G	A	14	16.781	-35.559	78.673	1.00	0.00	C
ATOM	412	N2	G	A	14	17.743	-34.644	78.511	1.00	0.00	N
ATOM	413	N3	G	A	14	16.689	-36.245	79.811	1.00	0.00	N
ATOM	414	C4	G	A	14	15.652	-37.124	79.803	1.00	0.00	C
ATOM	415	C5	G	A	14	14.742	-37.360	78.786	1.00	0.00	C
ATOM	416	C6	G	A	14	14.839	-36.637	77.577	1.00	0.00	C
ATOM	417	O6	G	A	14	14.133	-36.704	76.571	1.00	0.00	O
ATOM	418	N7	G	A	14	13.829	-38.343	79.179	1.00	0.00	N
ATOM	419	C8	G	A	14	14.208	-38.664	80.388	1.00	0.00	C
ATOM	420	N9	G	A	14	15.308	-37.966	80.838	1.00	0.00	N
ATOM	421	C2'	G	A	14	15.085	-38.277	83.330	1.00	0.00	C
ATOM	422	C3'	G	A	14	15.916	-39.183	84.224	1.00	0.00	C
ATOM	423	O3'	G	A	14	16.790	-38.385	85.017	1.00	0.00	O
ATOM	424	C4'	G	A	14	16.677	-40.047	83.217	1.00	0.00	C
ATOM	425	O4'	G	A	14	16.903	-39.157	82.078	1.00	0.00	O
ATOM	426	C5'	G	A	14	15.967	-41.287	82.729	1.00	0.00	C
ATOM	427	O5'	G	A	14	14.550	-41.022	82.592	1.00	0.00	O
ATOM	428	O1P	G	A	14	13.510	-42.500	84.344	1.00	0.00	O
ATOM	429	O2P	G	A	14	12.201	-41.865	82.301	1.00	0.00	O
ATOM	430	P	G	A	14	13.517	-42.197	82.901	1.00	0.00	P
ATOM	431	H1	G	A	14	16.081	-35.156	76.765	1.00	0.00	H
ATOM	432	H8	G	A	14	13.698	-39.418	80.988	1.00	0.00	H
ATOM	433	H1'	G	A	14	16.609	-37.154	82.276	1.00	0.00	H
ATOM	434	H21	G	A	14	17.810	-34.119	77.626	1.00	0.00	H
ATOM	435	H3'	G	A	14	15.294	-39.795	84.875	1.00	0.00	H
ATOM	436	H22	G	A	14	18.416	-34.465	79.270	1.00	0.00	H
ATOM	437	H4'	G	A	14	17.600	-40.359	83.703	1.00	0.00	H
ATOM	438	H2'1	G	A	14	14.150	-38.754	83.040	1.00	0.00	H
ATOM	439	H2'2	G	A	14	14.833	-37.343	83.835	1.00	0.00	H
ATOM	440	H5'1	G	A	14	16.383	-41.579	81.765	1.00	0.00	H
ATOM	441	H5'2	G	A	14	16.125	-42.095	83.446	1.00	0.00	H
ATOM	442	C1'	A	A	15	16.824	-33.213	82.754	1.00	0.00	C
ATOM	443	N1	A	A	15	14.267	-32.813	78.321	1.00	0.00	N
ATOM	444	C2	A	A	15	15.365	-32.218	78.783	1.00	0.00	C
ATOM	445	N3	A	A	15	15.975	-32.370	79.940	1.00	0.00	N
ATOM	446	C4	A	A	15	15.318	-33.270	80.696	1.00	0.00	C

ATOM	447	C5	A	A	15	14.187	-33.962	80.373	1.00	0.00	C
ATOM	448	C6	A	A	15	13.637	-33.706	79.099	1.00	0.00	C
ATOM	449	N6	A	A	15	12.526	-34.312	78.645	1.00	0.00	N
ATOM	450	N7	A	A	15	13.803	-34.802	81.403	1.00	0.00	N
ATOM	451	C8	A	A	15	14.700	-34.600	82.322	1.00	0.00	C
ATOM	452	N9	A	A	15	15.656	-33.684	81.963	1.00	0.00	N
ATOM	453	C2'	A	A	15	16.537	-33.061	84.242	1.00	0.00	C
ATOM	454	C3'	A	A	15	17.859	-33.482	84.864	1.00	0.00	C
ATOM	455	O3'	A	A	15	18.740	-32.364	84.889	1.00	0.00	O
ATOM	456	C4'	A	A	15	18.344	-34.581	83.920	1.00	0.00	C
ATOM	457	O4'	A	A	15	17.858	-34.166	82.602	1.00	0.00	O
ATOM	458	C5'	A	A	15	17.843	-35.977	84.201	1.00	0.00	C
ATOM	459	O5'	A	A	15	16.472	-35.922	84.671	1.00	0.00	O
ATOM	460	O1P	A	A	15	16.637	-36.730	87.049	1.00	0.00	O
ATOM	461	O2P	A	A	15	14.503	-37.036	85.764	1.00	0.00	O
ATOM	462	P	A	A	15	15.986	-36.990	85.750	1.00	0.00	P
ATOM	463	H2	A	A	15	15.826	-31.502	78.104	1.00	0.00	H
ATOM	464	H8	A	A	15	14.696	-35.108	83.286	1.00	0.00	H
ATOM	465	H1'	A	A	15	17.169	-32.272	82.325	1.00	0.00	H
ATOM	466	H3'	A	A	15	17.730	-33.864	85.877	1.00	0.00	H
ATOM	467	H4'	A	A	15	19.432	-34.598	83.987	1.00	0.00	H
ATOM	468	H61	A	A	15	12.169	-34.089	77.704	1.00	0.00	H
ATOM	469	H62	A	A	15	12.035	-34.997	79.236	1.00	0.00	H
ATOM	470	H2'1	A	A	15	15.719	-33.702	84.572	1.00	0.00	H
ATOM	471	H2'2	A	A	15	16.280	-32.037	84.512	1.00	0.00	H
ATOM	472	H5'1	A	A	15	17.896	-36.566	83.286	1.00	0.00	H
ATOM	473	H5'2	A	A	15	18.473	-36.438	84.960	1.00	0.00	H
ATOM	474	C1'	C	A	16	16.477	-28.448	81.394	1.00	0.00	C
ATOM	475	N1	C	A	16	15.261	-29.304	81.458	1.00	0.00	N
ATOM	476	C2	C	A	16	14.426	-29.336	80.344	1.00	0.00	C
ATOM	477	O2	C	A	16	14.728	-28.656	79.354	1.00	0.00	O
ATOM	478	N3	C	A	16	13.313	-30.108	80.381	1.00	0.00	N
ATOM	479	C4	C	A	16	13.015	-30.832	81.467	1.00	0.00	C
ATOM	480	N4	C	A	16	11.916	-31.572	81.447	1.00	0.00	N
ATOM	481	C5	C	A	16	13.852	-30.817	82.630	1.00	0.00	C
ATOM	482	C6	C	A	16	14.971	-30.035	82.569	1.00	0.00	C
ATOM	483	C2'	C	A	16	16.805	-27.749	82.707	1.00	0.00	C
ATOM	484	C3'	C	A	16	18.326	-27.763	82.702	1.00	0.00	C
ATOM	485	O3'	C	A	16	18.802	-26.647	81.955	1.00	0.00	O
ATOM	486	C4'	C	A	16	18.651	-29.094	82.027	1.00	0.00	C
ATOM	487	O4'	C	A	16	17.572	-29.282	81.058	1.00	0.00	O
ATOM	488	C5'	C	A	16	18.710	-30.307	82.927	1.00	0.00	C
ATOM	489	O5'	C	A	16	17.699	-30.198	83.960	1.00	0.00	O
ATOM	490	O1P	C	A	16	19.048	-29.981	86.075	1.00	0.00	O
ATOM	491	O2P	C	A	16	16.744	-30.970	86.154	1.00	0.00	O
ATOM	492	P	C	A	16	18.013	-30.795	85.406	1.00	0.00	P
ATOM	493	H5	C	A	16	13.609	-31.400	83.519	1.00	0.00	H
ATOM	494	H6	C	A	16	15.643	-29.997	83.426	1.00	0.00	H
ATOM	495	H1'	C	A	16	16.346	-27.727	80.589	1.00	0.00	H
ATOM	496	H3'	C	A	16	18.736	-27.723	83.713	1.00	0.00	H
ATOM	497	H4'	C	A	16	19.630	-28.980	81.561	1.00	0.00	H
ATOM	498	H41	C	A	16	11.663	-32.141	82.269	1.00	0.00	H
ATOM	499	H42	C	A	16	11.313	-31.581	80.612	1.00	0.00	H
ATOM	500	H2'1	C	A	16	16.407	-28.281	83.570	1.00	0.00	H

ATOM	501	H2'2	C	A	16	16.416	-26.730	82.741	1.00	0.00	H
ATOM	502	H5'1	C	A	16	18.535	-31.203	82.331	1.00	0.00	H
ATOM	503	H5'2	C	A	16	19.698	-30.367	83.383	1.00	0.00	H
ATOM	504	C1'	G	A	17	14.378	-24.629	79.045	1.00	0.00	C
ATOM	505	N1	G	A	17	10.151	-27.462	79.404	1.00	0.00	N
ATOM	506	C2	G	A	17	10.633	-26.715	78.343	1.00	0.00	C
ATOM	507	N2	G	A	17	9.888	-26.723	77.230	1.00	0.00	N
ATOM	508	N3	G	A	17	11.766	-26.018	78.387	1.00	0.00	N
ATOM	509	C4	G	A	17	12.386	-26.118	79.594	1.00	0.00	C
ATOM	510	C5	G	A	17	11.980	-26.833	80.708	1.00	0.00	C
ATOM	511	C6	G	A	17	10.779	-27.577	80.660	1.00	0.00	C
ATOM	512	O6	G	A	17	10.256	-28.267	81.535	1.00	0.00	O
ATOM	513	N7	G	A	17	12.900	-26.672	81.747	1.00	0.00	N
ATOM	514	C8	G	A	17	13.814	-25.886	81.240	1.00	0.00	C
ATOM	515	N9	G	A	17	13.572	-25.506	79.935	1.00	0.00	N
ATOM	516	C2'	G	A	17	15.023	-23.450	79.761	1.00	0.00	C
ATOM	517	C3'	G	A	17	16.349	-23.319	79.031	1.00	0.00	C
ATOM	518	O3'	G	A	17	16.158	-22.536	77.854	1.00	0.00	O
ATOM	519	C4'	G	A	17	16.705	-24.770	78.708	1.00	0.00	C
ATOM	520	O4'	G	A	17	15.413	-25.417	78.485	1.00	0.00	O
ATOM	521	C5'	G	A	17	17.448	-25.531	79.781	1.00	0.00	C
ATOM	522	O5'	G	A	17	16.968	-25.132	81.088	1.00	0.00	O
ATOM	523	O1P	G	A	17	18.961	-23.990	82.118	1.00	0.00	O
ATOM	524	O2P	G	A	17	17.249	-25.089	83.585	1.00	0.00	O
ATOM	525	P	G	A	17	17.999	-25.093	82.305	1.00	0.00	P
ATOM	526	H1	G	A	17	9.265	-27.971	79.264	1.00	0.00	H
ATOM	527	H8	G	A	17	14.692	-25.561	81.800	1.00	0.00	H
ATOM	528	H1'	G	A	17	13.738	-24.288	78.231	1.00	0.00	H
ATOM	529	H21	G	A	17	9.013	-27.267	77.202	1.00	0.00	H
ATOM	530	H3'	G	A	17	17.114	-22.854	79.653	1.00	0.00	H
ATOM	531	H22	G	A	17	10.190	-26.185	76.406	1.00	0.00	H
ATOM	532	H4'	G	A	17	17.331	-24.751	77.818	1.00	0.00	H
ATOM	533	H2'1	G	A	17	15.174	-23.646	80.824	1.00	0.00	H
ATOM	534	H2'2	G	A	17	14.429	-22.539	79.677	1.00	0.00	H
ATOM	535	H5'1	G	A	17	17.287	-26.599	79.637	1.00	0.00	H
ATOM	536	H5'2	G	A	17	18.514	-25.317	79.697	1.00	0.00	H
ATOM	537	C1'	G	A	18	10.576	-22.229	76.972	1.00	0.00	C
ATOM	538	N1	G	A	18	7.779	-25.100	80.128	1.00	0.00	N
ATOM	539	C2	G	A	18	7.567	-24.776	78.799	1.00	0.00	C
ATOM	540	N2	G	A	18	6.461	-25.284	78.237	1.00	0.00	N
ATOM	541	N3	G	A	18	8.391	-24.011	78.088	1.00	0.00	N
ATOM	542	C4	G	A	18	9.453	-23.577	78.818	1.00	0.00	C
ATOM	543	C5	G	A	18	9.744	-23.845	80.146	1.00	0.00	C
ATOM	544	C6	G	A	18	8.871	-24.663	80.901	1.00	0.00	C
ATOM	545	O6	G	A	18	8.958	-25.008	82.079	1.00	0.00	O
ATOM	546	N7	G	A	18	10.929	-23.209	80.517	1.00	0.00	N
ATOM	547	C8	G	A	18	11.314	-22.594	79.429	1.00	0.00	C
ATOM	548	N9	G	A	18	10.468	-22.769	78.354	1.00	0.00	N
ATOM	549	C2'	G	A	18	11.121	-20.810	76.908	1.00	0.00	C
ATOM	550	C3'	G	A	18	11.942	-20.842	75.631	1.00	0.00	C
ATOM	551	O3'	G	A	18	11.088	-20.595	74.516	1.00	0.00	O
ATOM	552	C4'	G	A	18	12.506	-22.262	75.623	1.00	0.00	C
ATOM	553	O4'	G	A	18	11.455	-23.068	76.248	1.00	0.00	O
ATOM	554	C5'	G	A	18	13.794	-22.478	76.379	1.00	0.00	C

ATOM	555	O5'	G	A	18	13.807	-21.654	77.572	1.00	0.00	O
ATOM	556	O1P	G	A	18	15.667	-20.017	77.133	1.00	0.00	O
ATOM	557	O2P	G	A	18	15.064	-20.628	79.491	1.00	0.00	O
ATOM	558	P	G	A	18	15.195	-21.050	78.075	1.00	0.00	P
ATOM	559	H1	G	A	18	7.083	-25.707	80.587	1.00	0.00	H
ATOM	560	H8	G	A	18	12.223	-21.995	79.375	1.00	0.00	H
ATOM	561	H1'	G	A	18	9.593	-22.292	76.504	1.00	0.00	H
ATOM	562	H21	G	A	18	5.830	-25.880	78.794	1.00	0.00	H
ATOM	563	H3'	G	A	18	12.745	-20.102	75.641	1.00	0.00	H
ATOM	564	H22	G	A	18	6.246	-25.078	77.253	1.00	0.00	H
ATOM	565	H4'	G	A	18	12.682	-22.528	74.581	1.00	0.00	H
ATOM	566	H2'1	G	A	18	11.738	-20.566	77.772	1.00	0.00	H
ATOM	567	H2'2	G	A	18	10.327	-20.064	76.851	1.00	0.00	H
ATOM	568	H5'1	G	A	18	13.876	-23.529	76.655	1.00	0.00	H
ATOM	569	H5'2	G	A	18	14.634	-22.210	75.739	1.00	0.00	H
ATOM	570	C1'	T	A	19	5.779	-21.181	76.344	1.00	0.00	C
ATOM	571	N1	T	A	19	6.371	-21.173	77.707	1.00	0.00	N
ATOM	572	C2	T	A	19	5.726	-21.906	78.681	1.00	0.00	C
ATOM	573	O2	T	A	19	4.709	-22.543	78.461	1.00	0.00	O
ATOM	574	N3	T	A	19	6.312	-21.870	79.933	1.00	0.00	N
ATOM	575	C4	T	A	19	7.452	-21.182	80.287	1.00	0.00	C
ATOM	576	O4	T	A	19	7.883	-21.224	81.445	1.00	0.00	O
ATOM	577	C5	T	A	19	8.059	-20.445	79.204	1.00	0.00	C
ATOM	578	C6	T	A	19	7.515	-20.458	77.969	1.00	0.00	C
ATOM	579	C7	T	A	19	9.305	-19.684	79.542	1.00	0.00	C
ATOM	580	C2'	T	A	19	5.870	-19.840	75.626	1.00	0.00	C
ATOM	581	C3'	T	A	19	6.093	-20.267	74.183	1.00	0.00	C
ATOM	582	O3'	T	A	19	4.833	-20.543	73.576	1.00	0.00	O
ATOM	583	C4'	T	A	19	6.950	-21.523	74.331	1.00	0.00	C
ATOM	584	O4'	T	A	19	6.481	-22.136	75.572	1.00	0.00	O
ATOM	585	C5'	T	A	19	8.442	-21.312	74.429	1.00	0.00	C
ATOM	586	O5'	T	A	19	8.718	-20.105	75.184	1.00	0.00	O
ATOM	587	O1P	T	A	19	9.761	-18.576	73.478	1.00	0.00	O
ATOM	588	O2P	T	A	19	10.325	-18.315	75.909	1.00	0.00	O
ATOM	589	P	T	A	19	9.984	-19.223	74.787	1.00	0.00	P
ATOM	590	H3	T	A	19	5.849	-22.414	80.676	1.00	0.00	H
ATOM	591	H6	T	A	19	7.991	-19.892	77.167	1.00	0.00	H
ATOM	592	H1'	T	A	19	4.743	-21.510	76.424	1.00	0.00	H
ATOM	593	H3'	T	A	19	6.613	-19.502	73.608	1.00	0.00	H
ATOM	594	H4'	T	A	19	6.760	-22.141	73.451	1.00	0.00	H
ATOM	595	H71	T	A	19	9.116	-18.614	79.445	1.00	0.00	H
ATOM	596	H72	T	A	19	9.600	-19.907	80.568	1.00	0.00	H
ATOM	597	H73	T	A	19	10.107	-19.973	78.862	1.00	0.00	H
ATOM	598	H2'1	T	A	19	6.696	-19.233	75.991	1.00	0.00	H
ATOM	599	H2'2	T	A	19	4.958	-19.253	75.729	1.00	0.00	H
ATOM	600	H5'1	T	A	19	8.894	-22.168	74.927	1.00	0.00	H
ATOM	601	H5'2	T	A	19	8.858	-21.220	73.426	1.00	0.00	H
ATOM	602	C01	LNK	A	20	2.327	-18.257	72.040	0.00	0.00	C
ATOM	603	O1	LNK	A	20	3.554	-18.493	72.736	1.00	0.00	O
ATOM	604	S	LNK	A	20	0.113	-15.186	70.811	0.00	0.00	S
ATOM	605	C02	LNK	A	20	2.098	-16.740	71.909	0.00	0.00	C
ATOM	606	C03	LNK	A	20	0.593	-16.434	72.046	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	4.003	-18.646	75.208	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	2.202	-20.053	74.167	1.00	0.00	O

ATOM	609	P	LNK	A	20	3.536	-19.414	74.037	1.00	0.00	P
ATOM	610	H01	LNK	A	20	1.502	-18.703	72.596	0.00	0.00	H
ATOM	611	H02	LNK	A	20	2.379	-18.704	71.048	0.00	0.00	H
ATOM	612	H03	LNK	A	20	0.390	-16.052	73.047	0.00	0.00	H
ATOM	613	H04	LNK	A	20	2.450	-16.402	70.934	0.00	0.00	H
ATOM	614	H05	LNK	A	20	2.647	-16.220	72.693	0.00	0.00	H
ATOM	615	H06	LNK	A	20	0.021	-17.346	71.882	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-0.528	-14.976	70.935			
TER											
ATOM	618	C1'	A	B	2	2.223	-26.293	85.294	1.00	0.00	C
ATOM	619	N1	A	B	2	4.998	-23.415	82.076	1.00	0.00	N
ATOM	620	C2	A	B	2	3.897	-24.138	81.910	1.00	0.00	C
ATOM	621	N3	A	B	2	3.227	-24.857	82.787	1.00	0.00	N
ATOM	622	C4	A	B	2	3.823	-24.795	83.992	1.00	0.00	C
ATOM	623	C5	A	B	2	4.954	-24.103	84.326	1.00	0.00	C
ATOM	624	C6	A	B	2	5.571	-23.371	83.289	1.00	0.00	C
ATOM	625	N6	A	B	2	6.686	-22.643	83.468	1.00	0.00	N
ATOM	626	N7	A	B	2	5.269	-24.275	85.663	1.00	0.00	N
ATOM	627	C8	A	B	2	4.332	-25.062	86.104	1.00	0.00	C
ATOM	628	N9	A	B	2	3.418	-25.416	85.147	1.00	0.00	N
ATOM	629	C2'	A	B	2	2.442	-27.478	86.226	1.00	0.00	C
ATOM	630	C3'	A	B	2	1.084	-27.612	86.894	1.00	0.00	C
ATOM	631	O3'	A	B	2	0.226	-28.387	86.058	1.00	0.00	O
ATOM	632	C4'	A	B	2	0.619	-26.162	87.012	1.00	0.00	C
ATOM	633	O4'	A	B	2	1.176	-25.506	85.828	1.00	0.00	O
ATOM	634	C5'	A	B	2	1.072	-25.409	88.241	1.00	0.00	C
ATOM	635	O5'	A	B	2	2.420	-25.812	88.592	1.00	0.00	O
ATOM	636	H2	A	B	2	3.484	-24.136	80.903	1.00	0.00	H
ATOM	637	H8	A	B	2	4.281	-25.406	87.137	1.00	0.00	H
ATOM	638	H1'	A	B	2	1.921	-26.627	84.301	1.00	0.00	H
ATOM	639	H3'	A	B	2	1.154	-28.084	87.873	1.00	0.00	H
ATOM	640	H4'	A	B	2	-0.471	-26.179	87.016	1.00	0.00	H
ATOM	641	H61	A	B	2	7.094	-22.126	82.679	1.00	0.00	H
ATOM	642	H62	A	B	2	7.132	-22.606	84.397	1.00	0.00	H
ATOM	643	H2'1	A	B	2	3.227	-27.289	86.959	1.00	0.00	H
ATOM	644	H2'2	A	B	2	2.710	-28.387	85.685	1.00	0.00	H
ATOM	645	H5'1	A	B	2	1.050	-24.339	88.033	1.00	0.00	H
ATOM	646	H5'2	A	B	2	0.394	-25.630	89.065	1.00	0.00	H
ATOM	647	C1'	C	B	3	2.736	-28.608	80.931	1.00	0.00	C
ATOM	648	N1	C	B	3	3.927	-28.086	81.654	1.00	0.00	N
ATOM	649	C2	C	B	3	4.816	-27.277	80.947	1.00	0.00	C
ATOM	650	O2	C	B	3	4.579	-27.026	79.758	1.00	0.00	O
ATOM	651	N3	C	B	3	5.907	-26.792	81.586	1.00	0.00	N
ATOM	652	C4	C	B	3	6.137	-27.082	82.874	1.00	0.00	C
ATOM	653	N4	C	B	3	7.219	-26.576	83.451	1.00	0.00	N
ATOM	654	C5	C	B	3	5.244	-27.915	83.625	1.00	0.00	C
ATOM	655	C6	C	B	3	4.146	-28.389	82.961	1.00	0.00	C
ATOM	656	C2'	C	B	3	2.359	-30.032	81.315	1.00	0.00	C
ATOM	657	C3'	C	B	3	0.841	-29.989	81.247	1.00	0.00	C
ATOM	658	O3'	C	B	3	0.427	-30.210	79.900	1.00	0.00	O
ATOM	659	C4'	C	B	3	0.519	-28.576	81.725	1.00	0.00	C
ATOM	660	O4'	C	B	3	1.641	-27.767	81.245	1.00	0.00	O
ATOM	661	C5'	C	B	3	0.389	-28.385	83.218	1.00	0.00	C
ATOM	662	O5'	C	B	3	1.351	-29.226	83.905	1.00	0.00	O

ATOM	663	O1P	C B	3	-0.095	-30.876	85.138	1.00	0.00	O
ATOM	664	O2P	C B	3	2.180	-30.294	86.022	1.00	0.00	O
ATOM	665	P	C B	3	0.953	-29.851	85.315	1.00	0.00	P
ATOM	666	H5	C B	3	5.431	-28.159	84.671	1.00	0.00	H
ATOM	667	H6	C B	3	3.435	-29.020	83.493	1.00	0.00	H
ATOM	668	H1'	C B	3	2.923	-28.528	79.860	1.00	0.00	H
ATOM	669	H3'	C B	3	0.382	-30.738	81.893	1.00	0.00	H
ATOM	670	H4'	C B	3	-0.433	-28.296	81.271	1.00	0.00	H
ATOM	671	H41	C B	3	7.418	-26.780	84.441	1.00	0.00	H
ATOM	672	H42	C B	3	7.862	-25.980	82.908	1.00	0.00	H
ATOM	673	H2'1	C B	3	2.704	-30.296	82.315	1.00	0.00	H
ATOM	674	H2'2	C B	3	2.767	-30.769	80.622	1.00	0.00	H
ATOM	675	H5'1	C B	3	0.575	-27.339	83.463	1.00	0.00	H
ATOM	676	H5'2	C B	3	-0.619	-28.652	83.527	1.00	0.00	H
ATOM	677	C1'	C B	4	5.024	-29.590	76.650	1.00	0.00	C
ATOM	678	N1	C B	4	5.771	-29.639	77.937	1.00	0.00	N
ATOM	679	C2	C B	4	6.961	-28.922	78.029	1.00	0.00	C
ATOM	680	O2	C B	4	7.348	-28.276	77.046	1.00	0.00	O
ATOM	681	N3	C B	4	7.658	-28.953	79.191	1.00	0.00	N
ATOM	682	C4	C B	4	7.215	-29.661	80.240	1.00	0.00	C
ATOM	683	N4	C B	4	7.932	-29.654	81.355	1.00	0.00	N
ATOM	684	C5	C B	4	5.995	-30.413	80.173	1.00	0.00	C
ATOM	685	C6	C B	4	5.308	-30.361	78.992	1.00	0.00	C
ATOM	686	C2'	C B	4	4.376	-30.912	76.267	1.00	0.00	C
ATOM	687	C3'	C B	4	3.087	-30.452	75.603	1.00	0.00	C
ATOM	688	O3'	C B	4	3.347	-30.147	74.235	1.00	0.00	O
ATOM	689	C4'	C B	4	2.713	-29.211	76.411	1.00	0.00	C
ATOM	690	O4'	C B	4	4.000	-28.622	76.785	1.00	0.00	O
ATOM	691	C5'	C B	4	1.906	-29.443	77.667	1.00	0.00	C
ATOM	692	O5'	C B	4	2.336	-30.673	78.305	1.00	0.00	O
ATOM	693	O1P	C B	4	0.325	-32.171	78.097	1.00	0.00	O
ATOM	694	O2P	C B	4	1.944	-32.499	79.986	1.00	0.00	O
ATOM	695	P	C B	4	1.254	-31.560	79.068	1.00	0.00	P
ATOM	696	H5	C B	4	5.635	-30.995	81.020	1.00	0.00	H
ATOM	697	H6	C B	4	4.373	-30.911	78.896	1.00	0.00	H
ATOM	698	H1'	C B	4	5.708	-29.249	75.873	1.00	0.00	H
ATOM	699	H3'	C B	4	2.305	-31.209	75.662	1.00	0.00	H
ATOM	700	H4'	C B	4	2.127	-28.568	75.754	1.00	0.00	H
ATOM	701	H41	C B	4	7.613	-30.188	82.177	1.00	0.00	H
ATOM	702	H42	C B	4	8.810	-29.115	81.399	1.00	0.00	H
ATOM	703	H2'1	C B	4	4.173	-31.541	77.133	1.00	0.00	H
ATOM	704	H2'2	C B	4	4.992	-31.490	75.578	1.00	0.00	H
ATOM	705	H5'1	C B	4	2.051	-28.605	78.347	1.00	0.00	H
ATOM	706	H5'2	C B	4	0.851	-29.514	77.404	1.00	0.00	H
ATOM	707	C1'	G B	5	8.975	-29.827	73.674	1.00	0.00	C
ATOM	708	N1	G B	5	11.552	-30.184	78.062	1.00	0.00	N
ATOM	709	C2	G B	5	11.836	-29.452	76.922	1.00	0.00	C
ATOM	710	N2	G B	5	12.957	-28.721	76.954	1.00	0.00	N
ATOM	711	N3	G B	5	11.064	-29.451	75.836	1.00	0.00	N
ATOM	712	C4	G B	5	9.974	-30.252	75.976	1.00	0.00	C
ATOM	713	C5	G B	5	9.615	-31.020	77.072	1.00	0.00	C
ATOM	714	C6	G B	5	10.432	-31.018	78.225	1.00	0.00	C
ATOM	715	O6	G B	5	10.280	-31.628	79.283	1.00	0.00	O
ATOM	716	N7	G B	5	8.423	-31.702	76.811	1.00	0.00	N

ATOM	717	C8	G B	5	8.106	-31.334	75.597	1.00	0.00	C
ATOM	718	N9	G B	5	9.002	-30.454	75.023	1.00	0.00	N
ATOM	719	C2'	G B	5	8.461	-30.751	72.578	1.00	0.00	C
ATOM	720	C3'	G B	5	7.704	-29.787	71.679	1.00	0.00	C
ATOM	721	O3'	G B	5	8.618	-29.173	70.774	1.00	0.00	O
ATOM	722	C4'	G B	5	7.113	-28.789	72.673	1.00	0.00	C
ATOM	723	O4'	G B	5	8.115	-28.705	73.736	1.00	0.00	O
ATOM	724	C5'	G B	5	5.784	-29.156	73.286	1.00	0.00	C
ATOM	725	O5'	G B	5	5.729	-30.587	73.515	1.00	0.00	O
ATOM	726	O1P	G B	5	3.925	-31.360	71.939	1.00	0.00	O
ATOM	727	O2P	G B	5	4.398	-32.653	74.036	1.00	0.00	O
ATOM	728	P	G B	5	4.330	-31.336	73.358	1.00	0.00	P
ATOM	729	H1	G B	5	12.213	-30.110	78.851	1.00	0.00	H
ATOM	730	H8	G B	5	7.213	-31.689	75.082	1.00	0.00	H
ATOM	731	H1'	G B	5	9.976	-29.468	73.443	1.00	0.00	H
ATOM	732	H21	G B	5	13.547	-28.723	77.798	1.00	0.00	H
ATOM	733	H3'	G B	5	6.917	-30.289	71.113	1.00	0.00	H
ATOM	734	H22	G B	5	13.228	-28.156	76.136	1.00	0.00	H
ATOM	735	H4'	G B	5	6.984	-27.849	72.136	1.00	0.00	H
ATOM	736	H2'1	G B	5	7.806	-31.530	72.967	1.00	0.00	H
ATOM	737	H2'2	G B	5	9.270	-31.243	72.039	1.00	0.00	H
ATOM	738	H5'1	G B	5	5.668	-28.627	74.232	1.00	0.00	H
ATOM	739	H5'2	G B	5	4.982	-28.861	72.609	1.00	0.00	H
ATOM	740	C1'	T B	6	13.816	-30.197	72.716	1.00	0.00	C
ATOM	741	N1	T B	6	13.156	-31.175	73.622	1.00	0.00	N
ATOM	742	C2	T B	6	13.740	-31.385	74.854	1.00	0.00	C
ATOM	743	O2	T B	6	14.752	-30.810	75.213	1.00	0.00	O
ATOM	744	N3	T B	6	13.091	-32.300	75.664	1.00	0.00	N
ATOM	745	C4	T B	6	11.947	-33.005	75.356	1.00	0.00	C
ATOM	746	O4	T B	6	11.460	-33.803	76.165	1.00	0.00	O
ATOM	747	C5	T B	6	11.412	-32.717	74.048	1.00	0.00	C
ATOM	748	C6	T B	6	12.015	-31.831	73.232	1.00	0.00	C
ATOM	749	C7	T B	6	10.163	-33.460	73.671	1.00	0.00	C
ATOM	750	C2'	T B	6	13.786	-30.603	71.247	1.00	0.00	C
ATOM	751	C3'	T B	6	13.627	-29.260	70.552	1.00	0.00	C
ATOM	752	O3'	T B	6	14.912	-28.661	70.389	1.00	0.00	O
ATOM	753	C4'	T B	6	12.741	-28.478	71.518	1.00	0.00	C
ATOM	754	O4'	T B	6	13.136	-28.963	72.841	1.00	0.00	O
ATOM	755	C5'	T B	6	11.249	-28.661	71.362	1.00	0.00	C
ATOM	756	O5'	T B	6	10.961	-30.035	70.998	1.00	0.00	O
ATOM	757	O1P	T B	6	10.032	-29.835	68.667	1.00	0.00	O
ATOM	758	O2P	T B	6	9.351	-31.757	70.129	1.00	0.00	O
ATOM	759	P	T B	6	9.731	-30.328	70.025	1.00	0.00	P
ATOM	760	H3	T B	6	13.506	-32.473	76.592	1.00	0.00	H
ATOM	761	H6	T B	6	11.590	-31.630	72.248	1.00	0.00	H
ATOM	762	H1'	T B	6	14.841	-30.051	73.058	1.00	0.00	H
ATOM	763	H3'	T B	6	13.151	-29.362	69.576	1.00	0.00	H
ATOM	764	H4'	T B	6	12.964	-27.422	71.368	1.00	0.00	H
ATOM	765	H71	T B	6	10.377	-34.133	72.840	1.00	0.00	H
ATOM	766	H72	T B	6	9.813	-34.039	74.527	1.00	0.00	H
ATOM	767	H73	T B	6	9.391	-32.749	73.374	1.00	0.00	H
ATOM	768	H2'1	T B	6	12.955	-31.268	71.021	1.00	0.00	H
ATOM	769	H2'2	T B	6	14.703	-31.104	70.938	1.00	0.00	H
ATOM	770	H5'1	T B	6	10.758	-28.419	72.304	1.00	0.00	H

ATOM	771	H5'2	T B	6	10.887	-27.990	70.584	1.00	0.00	H
ATOM	772	C1'	C B	7	18.468	-31.551	73.808	1.00	0.00	C
ATOM	773	N1	C B	7	17.354	-32.537	73.890	1.00	0.00	N
ATOM	774	C2	C B	7	17.220	-33.275	75.064	1.00	0.00	C
ATOM	775	O2	C B	7	18.026	-33.082	75.986	1.00	0.00	O
ATOM	776	N3	C B	7	16.214	-34.177	75.159	1.00	0.00	N
ATOM	777	C4	C B	7	15.360	-34.365	74.144	1.00	0.00	C
ATOM	778	N4	C B	7	14.393	-35.257	74.292	1.00	0.00	N
ATOM	779	C5	C B	7	15.476	-33.624	72.922	1.00	0.00	C
ATOM	780	C6	C B	7	16.495	-32.716	72.851	1.00	0.00	C
ATOM	781	C2'	C B	7	19.120	-31.475	72.436	1.00	0.00	C
ATOM	782	C3'	C B	7	19.453	-29.994	72.326	1.00	0.00	C
ATOM	783	O3'	C B	7	20.703	-29.748	72.967	1.00	0.00	O
ATOM	784	C4'	C B	7	18.288	-29.329	73.054	1.00	0.00	C
ATOM	785	O4'	C B	7	17.935	-30.276	74.111	1.00	0.00	O
ATOM	786	C5'	C B	7	17.054	-29.043	72.228	1.00	0.00	C
ATOM	787	O5'	C B	7	16.851	-30.111	71.269	1.00	0.00	O
ATOM	788	O1P	C B	7	17.206	-28.979	69.051	1.00	0.00	O
ATOM	789	O2P	C B	7	15.714	-30.989	69.208	1.00	0.00	O
ATOM	790	P	C B	7	16.232	-29.753	69.843	1.00	0.00	P
ATOM	791	H5	C B	7	14.787	-33.778	72.092	1.00	0.00	H
ATOM	792	H6	C B	7	16.618	-32.123	71.945	1.00	0.00	H
ATOM	793	H1'	C B	7	19.200	-31.800	74.577	1.00	0.00	H
ATOM	794	H3'	C B	7	19.510	-29.664	71.287	1.00	0.00	H
ATOM	795	H4'	C B	7	18.657	-28.378	73.439	1.00	0.00	H
ATOM	796	H41	C B	7	13.720	-35.418	73.528	1.00	0.00	H
ATOM	797	H42	C B	7	14.312	-35.791	75.171	1.00	0.00	H
ATOM	798	H2'1	C B	7	18.447	-31.790	71.639	1.00	0.00	H
ATOM	799	H2'2	C B	7	20.017	-32.090	72.368	1.00	0.00	H
ATOM	800	H5'1	C B	7	16.191	-28.971	72.889	1.00	0.00	H
ATOM	801	H5'2	C B	7	17.186	-28.099	71.704	1.00	0.00	H
ATOM	802	C1'	C B	8	21.880	-34.332	76.079	1.00	0.00	C
ATOM	803	N1	C B	8	20.775	-34.967	75.312	1.00	0.00	N
ATOM	804	C2	C B	8	20.025	-35.957	75.943	1.00	0.00	C
ATOM	805	O2	C B	8	20.306	-36.265	77.109	1.00	0.00	O
ATOM	806	N3	C B	8	19.014	-36.549	75.261	1.00	0.00	N
ATOM	807	C4	C B	8	18.735	-36.193	74.000	1.00	0.00	C
ATOM	808	N4	C B	8	17.733	-36.802	73.382	1.00	0.00	N
ATOM	809	C5	C B	8	19.491	-35.181	73.321	1.00	0.00	C
ATOM	810	C6	C B	8	20.503	-34.595	74.031	1.00	0.00	C
ATOM	811	C2'	C B	8	23.114	-34.026	75.241	1.00	0.00	C
ATOM	812	C3'	C B	8	23.601	-32.723	75.856	1.00	0.00	C
ATOM	813	O3'	C B	8	24.407	-33.016	76.994	1.00	0.00	O
ATOM	814	C4'	C B	8	22.300	-32.021	76.237	1.00	0.00	C
ATOM	815	O4'	C B	8	21.393	-33.110	76.601	1.00	0.00	O
ATOM	816	C5'	C B	8	21.645	-31.189	75.159	1.00	0.00	C
ATOM	817	O5'	C B	8	21.820	-31.831	73.870	1.00	0.00	O
ATOM	818	O1P	C B	8	23.301	-30.226	72.618	1.00	0.00	O
ATOM	819	O2P	C B	8	21.729	-31.725	71.362	1.00	0.00	O
ATOM	820	P	C B	8	21.997	-30.918	72.577	1.00	0.00	P
ATOM	821	H5	C B	8	19.273	-34.895	72.294	1.00	0.00	H
ATOM	822	H6	C B	8	21.101	-33.816	73.560	1.00	0.00	H
ATOM	823	H1'	C B	8	22.128	-34.981	76.919	1.00	0.00	H
ATOM	824	H3'	C B	8	24.177	-32.128	75.147	1.00	0.00	H

ATOM	825	H4'	C B	8	22.530	-31.357	77.071	1.00	0.00	H
ATOM	826	H41	C B	8	17.494	-36.546	72.412	1.00	0.00	H
ATOM	827	H42	C B	8	17.191	-37.530	73.870	1.00	0.00	H
ATOM	828	H2'1	C B	8	22.877	-33.901	74.185	1.00	0.00	H
ATOM	829	H2'2	C B	8	23.869	-34.809	75.318	1.00	0.00	H
ATOM	830	H5'1	C B	8	20.582	-31.090	75.378	1.00	0.00	H
ATOM	831	H5'2	C B	8	22.101	-30.201	75.143	1.00	0.00	H
ATOM	832	C1'	T B	9	23.523	-38.441	78.293	1.00	0.00	C
ATOM	833	N1	T B	9	22.851	-38.523	76.969	1.00	0.00	N
ATOM	834	C2	T B	9	21.814	-39.424	76.842	1.00	0.00	C
ATOM	835	O2	T B	9	21.445	-40.137	77.759	1.00	0.00	O
ATOM	836	N3	T B	9	21.217	-39.467	75.597	1.00	0.00	N
ATOM	837	C4	T B	9	21.559	-38.710	74.496	1.00	0.00	C
ATOM	838	O4	T B	9	20.952	-38.838	73.426	1.00	0.00	O
ATOM	839	C5	T B	9	22.654	-37.796	74.724	1.00	0.00	C
ATOM	840	C6	T B	9	23.258	-37.727	75.926	1.00	0.00	C
ATOM	841	C7	T B	9	23.057	-36.950	73.553	1.00	0.00	C
ATOM	842	C2'	T B	9	25.031	-38.229	78.205	1.00	0.00	C
ATOM	843	C3'	T B	9	25.293	-37.331	79.404	1.00	0.00	C
ATOM	844	O3'	T B	9	25.446	-38.139	80.569	1.00	0.00	O
ATOM	845	C4'	T B	9	24.040	-36.462	79.461	1.00	0.00	C
ATOM	846	O4'	T B	9	22.970	-37.345	78.993	1.00	0.00	O
ATOM	847	C5'	T B	9	24.045	-35.214	78.609	1.00	0.00	C
ATOM	848	O5'	T B	9	24.741	-35.476	77.364	1.00	0.00	O
ATOM	849	O1P	T B	9	26.780	-34.009	77.517	1.00	0.00	O
ATOM	850	O2P	T B	9	25.842	-34.625	75.272	1.00	0.00	O
ATOM	851	P	T B	9	25.587	-34.301	76.696	1.00	0.00	P
ATOM	852	H3	T B	9	20.438	-40.130	75.478	1.00	0.00	H
ATOM	853	H6	T B	9	24.082	-37.030	76.074	1.00	0.00	H
ATOM	854	H1'	T B	9	23.290	-39.348	78.851	1.00	0.00	H
ATOM	855	H3'	T B	9	26.188	-36.722	79.266	1.00	0.00	H
ATOM	856	H4'	T B	9	23.915	-36.155	80.500	1.00	0.00	H
ATOM	857	H71	T B	9	24.064	-37.222	73.237	1.00	0.00	H
ATOM	858	H72	T B	9	22.362	-37.112	72.729	1.00	0.00	H
ATOM	859	H73	T B	9	23.040	-35.898	73.841	1.00	0.00	H
ATOM	860	H2'1	T B	9	25.326	-37.746	77.274	1.00	0.00	H
ATOM	861	H2'2	T B	9	25.585	-39.164	78.278	1.00	0.00	H
ATOM	862	H5'1	T B	9	23.018	-34.916	78.402	1.00	0.00	H
ATOM	863	H5'2	T B	9	24.549	-34.417	79.151	1.00	0.00	H
ATOM	864	C1'	A B	10	23.485	-43.319	79.211	1.00	0.00	C
ATOM	865	N1	A B	10	21.360	-43.612	74.549	1.00	0.00	N
ATOM	866	C2	A B	10	21.095	-44.227	75.698	1.00	0.00	C
ATOM	867	N3	A B	10	21.682	-44.101	76.868	1.00	0.00	N
ATOM	868	C4	A B	10	22.685	-43.208	76.793	1.00	0.00	C
ATOM	869	C5	A B	10	23.084	-42.495	75.696	1.00	0.00	C
ATOM	870	C6	A B	10	22.366	-42.725	74.505	1.00	0.00	C
ATOM	871	N6	A B	10	22.644	-42.098	73.348	1.00	0.00	N
ATOM	872	N7	A B	10	24.152	-41.669	76.000	1.00	0.00	N
ATOM	873	C8	A B	10	24.377	-41.900	77.260	1.00	0.00	C
ATOM	874	N9	A B	10	23.523	-42.820	77.810	1.00	0.00	N
ATOM	875	C2'	A B	10	24.862	-43.491	79.837	1.00	0.00	C
ATOM	876	C3'	A B	10	24.605	-43.097	81.284	1.00	0.00	C
ATOM	877	O3'	A B	10	24.103	-44.226	81.995	1.00	0.00	O
ATOM	878	C4'	A B	10	23.562	-41.988	81.152	1.00	0.00	C

ATOM	879	O4'	A B	10	22.769	-42.375	79.985	1.00	0.00	O
ATOM	880	C5'	A B	10	24.091	-40.590	80.935	1.00	0.00	C
ATOM	881	O5'	A B	10	25.270	-40.638	80.090	1.00	0.00	O
ATOM	882	O1P	A B	10	27.115	-39.873	81.622	1.00	0.00	O
ATOM	883	O2P	A B	10	27.312	-39.520	79.145	1.00	0.00	O
ATOM	884	P	A B	10	26.438	-39.582	80.343	1.00	0.00	P
ATOM	885	H2	A B	10	20.270	-44.937	75.665	1.00	0.00	H
ATOM	886	H8	A B	10	25.169	-41.407	77.824	1.00	0.00	H
ATOM	887	H1'	A B	10	22.930	-44.256	79.224	1.00	0.00	H
ATOM	888	H3'	A B	10	25.507	-42.732	81.774	1.00	0.00	H
ATOM	889	H4'	A B	10	22.985	-41.986	82.077	1.00	0.00	H
ATOM	890	H61	A B	10	22.087	-42.299	72.509	1.00	0.00	H
ATOM	891	H62	A B	10	23.415	-41.416	73.305	1.00	0.00	H
ATOM	892	H2'1	A B	10	25.610	-42.847	79.378	1.00	0.00	H
ATOM	893	H2'2	A B	10	25.224	-44.518	79.765	1.00	0.00	H
ATOM	894	H5'1	A B	10	23.322	-39.986	80.458	1.00	0.00	H
ATOM	895	H5'2	A B	10	24.347	-40.151	81.897	1.00	0.00	H
ATOM	896	C1'	G B	11	22.539	-48.053	78.054	1.00	0.00	C
ATOM	897	N1	G B	11	22.902	-46.377	73.250	1.00	0.00	N
ATOM	898	C2	G B	11	21.995	-47.252	73.818	1.00	0.00	C
ATOM	899	N2	G B	11	21.061	-47.749	72.997	1.00	0.00	N
ATOM	900	N3	G B	11	22.017	-47.604	75.103	1.00	0.00	N
ATOM	901	C4	G B	11	23.033	-47.010	75.783	1.00	0.00	C
ATOM	902	C5	G B	11	23.985	-46.131	75.301	1.00	0.00	C
ATOM	903	C6	G B	11	23.961	-45.753	73.938	1.00	0.00	C
ATOM	904	O6	G B	11	24.714	-44.992	73.329	1.00	0.00	O
ATOM	905	N7	G B	11	24.856	-45.751	76.324	1.00	0.00	N
ATOM	906	C8	G B	11	24.412	-46.398	77.372	1.00	0.00	C
ATOM	907	N9	G B	11	23.308	-47.186	77.123	1.00	0.00	N
ATOM	908	C2'	G B	11	23.406	-48.778	79.074	1.00	0.00	C
ATOM	909	C3'	G B	11	22.513	-48.782	80.304	1.00	0.00	C
ATOM	910	O3'	G B	11	21.621	-49.891	80.231	1.00	0.00	O
ATOM	911	C4'	G B	11	21.783	-47.444	80.199	1.00	0.00	C
ATOM	912	O4'	G B	11	21.630	-47.230	78.760	1.00	0.00	O
ATOM	913	C5'	G B	11	22.486	-46.247	80.795	1.00	0.00	C
ATOM	914	O5'	G B	11	23.914	-46.359	80.580	1.00	0.00	O
ATOM	915	O1P	G B	11	24.837	-46.626	82.905	1.00	0.00	O
ATOM	916	O2P	G B	11	26.254	-45.611	81.102	1.00	0.00	O
ATOM	917	P	G B	11	24.905	-45.791	81.691	1.00	0.00	P
ATOM	918	H1	G B	11	22.793	-46.163	72.247	1.00	0.00	H
ATOM	919	H8	G B	11	24.876	-46.322	78.354	1.00	0.00	H
ATOM	920	H1'	G B	11	21.958	-48.761	77.462	1.00	0.00	H
ATOM	921	H21	G B	11	21.048	-47.471	72.005	1.00	0.00	H
ATOM	922	H3'	G B	11	23.090	-48.843	81.228	1.00	0.00	H
ATOM	923	H22	G B	11	20.358	-48.409	73.358	1.00	0.00	H
ATOM	924	H4'	G B	11	20.829	-47.562	80.715	1.00	0.00	H
ATOM	925	H2'1	G B	11	24.343	-48.254	79.266	1.00	0.00	H
ATOM	926	H2'2	G B	11	23.655	-49.791	78.760	1.00	0.00	H
ATOM	927	H5'1	G B	11	22.111	-45.341	80.322	1.00	0.00	H
ATOM	928	H5'2	G B	11	22.276	-46.206	81.864	1.00	0.00	H
ATOM	929	C1'	G B	12	21.811	-51.811	74.912	1.00	0.00	C
ATOM	930	N1	G B	12	24.586	-48.944	71.733	1.00	0.00	N
ATOM	931	C2	G B	12	23.437	-49.678	71.495	1.00	0.00	C
ATOM	932	N2	G B	12	22.966	-49.645	70.241	1.00	0.00	N

ATOM	933	N3	G B	12	22.808	-50.386	72.429	1.00	0.00	N
ATOM	934	C4	G B	12	23.428	-50.312	73.637	1.00	0.00	C
ATOM	935	C5	G B	12	24.575	-49.611	73.968	1.00	0.00	C
ATOM	936	C6	G B	12	25.241	-48.856	72.976	1.00	0.00	C
ATOM	937	O6	G B	12	26.263	-48.176	73.073	1.00	0.00	O
ATOM	938	N7	G B	12	24.883	-49.797	75.316	1.00	0.00	N
ATOM	939	C8	G B	12	23.934	-50.583	75.753	1.00	0.00	C
ATOM	940	N9	G B	12	23.012	-50.940	74.791	1.00	0.00	N
ATOM	941	C2'	G B	12	22.011	-53.007	75.832	1.00	0.00	C
ATOM	942	C3'	G B	12	20.642	-53.140	76.482	1.00	0.00	C
ATOM	943	O3'	G B	12	19.790	-53.901	75.628	1.00	0.00	O
ATOM	944	C4'	G B	12	20.184	-51.689	76.610	1.00	0.00	C
ATOM	945	O4'	G B	12	20.760	-51.025	75.440	1.00	0.00	O
ATOM	946	C5'	G B	12	20.628	-50.951	77.851	1.00	0.00	C
ATOM	947	O5'	G B	12	21.968	-51.367	78.214	1.00	0.00	O
ATOM	948	O1P	G B	12	21.635	-52.544	80.414	1.00	0.00	O
ATOM	949	O2P	G B	12	23.834	-51.452	79.896	1.00	0.00	O
ATOM	950	P	G B	12	22.357	-51.435	79.761	1.00	0.00	P
ATOM	951	H1	G B	12	24.992	-48.424	70.940	1.00	0.00	H
ATOM	952	H8	G B	12	23.874	-50.928	76.784	1.00	0.00	H
ATOM	953	H1'	G B	12	21.519	-52.132	73.912	1.00	0.00	H
ATOM	954	H21	G B	12	23.456	-49.090	69.522	1.00	0.00	H
ATOM	955	H3'	G B	12	20.698	-53.622	77.458	1.00	0.00	H
ATOM	956	H22	G B	12	22.116	-50.171	69.997	1.00	0.00	H
ATOM	957	H4'	G B	12	19.095	-51.698	76.601	1.00	0.00	H
ATOM	958	H2'1	G B	12	22.787	-52.830	76.576	1.00	0.00	H
ATOM	959	H2'2	G B	12	22.279	-53.910	75.286	1.00	0.00	H
ATOM	960	H5'1	G B	12	20.616	-49.879	77.653	1.00	0.00	H
ATOM	961	H5'2	G B	12	19.940	-51.174	78.665	1.00	0.00	H
ATOM	962	C1'	T B	13	22.296	-54.151	70.577	1.00	0.00	C
ATOM	963	N1	T B	13	23.494	-53.620	71.279	1.00	0.00	N
ATOM	964	C2	T B	13	24.353	-52.823	70.548	1.00	0.00	C
ATOM	965	O2	T B	13	24.159	-52.552	69.374	1.00	0.00	O
ATOM	966	N3	T B	13	25.452	-52.350	71.239	1.00	0.00	N
ATOM	967	C4	T B	13	25.763	-52.600	72.559	1.00	0.00	C
ATOM	968	O4	T B	13	26.783	-52.123	73.071	1.00	0.00	O
ATOM	969	C5	T B	13	24.809	-53.441	73.242	1.00	0.00	C
ATOM	970	C6	T B	13	23.723	-53.919	72.600	1.00	0.00	C
ATOM	971	C7	T B	13	25.105	-53.738	74.682	1.00	0.00	C
ATOM	972	C2'	T B	13	21.929	-55.576	70.981	1.00	0.00	C
ATOM	973	C3'	T B	13	20.409	-55.537	70.927	1.00	0.00	C
ATOM	974	O3'	T B	13	19.982	-55.773	69.588	1.00	0.00	O
ATOM	975	C4'	T B	13	20.088	-54.119	71.396	1.00	0.00	C
ATOM	976	O4'	T B	13	21.202	-53.314	70.896	1.00	0.00	O
ATOM	977	C5'	T B	13	19.976	-53.914	72.889	1.00	0.00	C
ATOM	978	O5'	T B	13	20.948	-54.746	73.572	1.00	0.00	O
ATOM	979	O1P	T B	13	19.522	-56.388	74.838	1.00	0.00	O
ATOM	980	O2P	T B	13	21.805	-55.790	75.691	1.00	0.00	O
ATOM	981	P	T B	13	20.569	-55.357	74.994	1.00	0.00	P
ATOM	982	H3	T B	13	26.106	-51.750	70.715	1.00	0.00	H
ATOM	983	H6	T B	13	23.018	-54.553	73.136	1.00	0.00	H
ATOM	984	H1'	T B	13	22.469	-54.083	69.503	1.00	0.00	H
ATOM	985	H3'	T B	13	19.961	-56.280	71.588	1.00	0.00	H
ATOM	986	H4'	T B	13	19.131	-53.848	70.952	1.00	0.00	H

ATOM	987	H71	T B	13	25.310	-54.801	74.800	1.00	0.00	H
ATOM	988	H72	T B	13	25.976	-53.162	75.000	1.00	0.00	H
ATOM	989	H73	T B	13	24.245	-53.464	75.294	1.00	0.00	H
ATOM	990	H2'1	T B	13	22.286	-55.826	71.978	1.00	0.00	H
ATOM	991	H2'2	T B	13	22.330	-56.317	70.290	1.00	0.00	H
ATOM	992	H5'1	T B	13	20.159	-52.865	73.121	1.00	0.00	H
ATOM	993	H5'2	T B	13	18.972	-54.183	73.213	1.00	0.00	H
ATOM	994	C1'	G B	14	24.602	-55.119	66.289	1.00	0.00	C
ATOM	995	N1	G B	14	28.747	-53.509	68.791	1.00	0.00	N
ATOM	996	C2	G B	14	28.335	-53.249	67.496	1.00	0.00	C
ATOM	997	N2	G B	14	29.132	-52.457	66.771	1.00	0.00	N
ATOM	998	N3	G B	14	27.215	-53.740	66.968	1.00	0.00	N
ATOM	999	C4	G B	14	26.533	-54.527	67.842	1.00	0.00	C
ATOM	1000	C5	G B	14	26.869	-54.845	69.146	1.00	0.00	C
ATOM	1001	C6	G B	14	28.056	-54.321	69.709	1.00	0.00	C
ATOM	1002	O6	G B	14	28.519	-54.489	70.839	1.00	0.00	O
ATOM	1003	N7	G B	14	25.903	-55.687	69.702	1.00	0.00	N
ATOM	1004	C8	G B	14	25.031	-55.846	68.740	1.00	0.00	C
ATOM	1005	N9	G B	14	25.345	-55.173	67.576	1.00	0.00	N
ATOM	1006	C2'	G B	14	23.949	-56.439	65.902	1.00	0.00	C
ATOM	1007	C3'	G B	14	22.665	-55.974	65.235	1.00	0.00	C
ATOM	1008	O3'	G B	14	22.931	-55.669	63.868	1.00	0.00	O
ATOM	1009	C4'	G B	14	22.294	-54.732	66.043	1.00	0.00	C
ATOM	1010	O4'	G B	14	23.582	-54.149	66.419	1.00	0.00	O
ATOM	1011	C5'	G B	14	21.482	-54.961	67.294	1.00	0.00	C
ATOM	1012	O5'	G B	14	21.905	-56.192	67.935	1.00	0.00	O
ATOM	1013	O1P	G B	14	19.888	-57.683	67.722	1.00	0.00	O
ATOM	1014	O2P	G B	14	21.502	-58.016	69.614	1.00	0.00	O
ATOM	1015	P	G B	14	20.816	-57.075	68.694	1.00	0.00	P
ATOM	1016	H1	G B	14	29.628	-53.073	69.106	1.00	0.00	H
ATOM	1017	H8	G B	14	24.134	-56.457	68.848	1.00	0.00	H
ATOM	1018	H1'	G B	14	25.289	-54.780	65.512	1.00	0.00	H
ATOM	1019	H21	G B	14	29.996	-52.077	67.188	1.00	0.00	H
ATOM	1020	H3'	G B	14	21.879	-56.728	65.291	1.00	0.00	H
ATOM	1021	H22	G B	14	28.885	-52.227	65.798	1.00	0.00	H
ATOM	1022	H4'	G B	14	21.713	-54.087	65.382	1.00	0.00	H
ATOM	1023	H2'1	G B	14	23.742	-57.067	66.767	1.00	0.00	H
ATOM	1024	H2'2	G B	14	24.564	-57.021	65.216	1.00	0.00	H
ATOM	1025	H5'1	G B	14	21.627	-54.123	67.975	1.00	0.00	H
ATOM	1026	H5'2	G B	14	20.427	-55.027	67.029	1.00	0.00	H
ATOM	1027	C1'	C B	15	28.552	-55.355	63.310	1.00	0.00	C
ATOM	1028	N1	C B	15	28.585	-55.978	64.660	1.00	0.00	N
ATOM	1029	C2	C B	15	29.649	-55.662	65.501	1.00	0.00	C
ATOM	1030	O2	C B	15	30.518	-54.881	65.093	1.00	0.00	O
ATOM	1031	N3	C B	15	29.698	-56.219	66.735	1.00	0.00	N
ATOM	1032	C4	C B	15	28.743	-57.061	67.147	1.00	0.00	C
ATOM	1033	N4	C B	15	28.838	-57.575	68.365	1.00	0.00	N
ATOM	1034	C5	C B	15	27.637	-57.411	66.302	1.00	0.00	C
ATOM	1035	C6	C B	15	27.607	-56.834	65.066	1.00	0.00	C
ATOM	1036	C2'	C B	15	28.042	-56.284	62.217	1.00	0.00	C
ATOM	1037	C3'	C B	15	27.278	-55.326	61.316	1.00	0.00	C
ATOM	1038	O3'	C B	15	28.188	-54.709	60.408	1.00	0.00	O
ATOM	1039	C4'	C B	15	26.686	-54.327	62.308	1.00	0.00	C
ATOM	1040	O4'	C B	15	27.688	-54.237	63.372	1.00	0.00	O

ATOM	1041	C5'	C B	15	25.357	-54.700	62.927	1.00	0.00	C
ATOM	1042	O5'	C B	15	25.310	-56.131	63.157	1.00	0.00	O
ATOM	1043	O1P	C B	15	23.508	-56.914	61.585	1.00	0.00	O
ATOM	1044	O2P	C B	15	23.987	-58.202	63.685	1.00	0.00	O
ATOM	1045	P	C B	15	23.915	-56.886	63.004	1.00	0.00	P
ATOM	1046	H5	C B	15	26.861	-58.101	66.632	1.00	0.00	H
ATOM	1047	H6	C B	15	26.783	-57.062	64.391	1.00	0.00	H
ATOM	1048	H1'	C B	15	29.554	-54.993	63.077	1.00	0.00	H
ATOM	1049	H3'	C B	15	26.493	-55.832	60.755	1.00	0.00	H
ATOM	1050	H4'	C B	15	26.550	-53.388	61.771	1.00	0.00	H
ATOM	1051	H41	C B	15	28.114	-58.224	68.710	1.00	0.00	H
ATOM	1052	H42	C B	15	29.634	-57.325	68.970	1.00	0.00	H
ATOM	1053	H2'1	C B	15	27.391	-57.065	62.608	1.00	0.00	H
ATOM	1054	H2'2	C B	15	28.853	-56.775	61.678	1.00	0.00	H
ATOM	1055	H5'1	C B	15	25.242	-54.170	63.872	1.00	0.00	H
ATOM	1056	H5'2	C B	15	24.555	-54.410	62.250	1.00	0.00	H
ATOM	1057	C1'	G B	16	33.400	-55.733	62.376	1.00	0.00	C
ATOM	1058	N1	G B	16	33.520	-58.040	66.923	1.00	0.00	N
ATOM	1059	C2	G B	16	34.383	-57.106	66.379	1.00	0.00	C
ATOM	1060	N2	G B	16	35.417	-56.740	67.146	1.00	0.00	N
ATOM	1061	N3	G B	16	34.227	-56.580	65.165	1.00	0.00	N
ATOM	1062	C4	G B	16	33.132	-57.071	64.527	1.00	0.00	C
ATOM	1063	C5	G B	16	32.220	-58.004	64.988	1.00	0.00	C
ATOM	1064	C6	G B	16	32.383	-58.560	66.279	1.00	0.00	C
ATOM	1065	O6	G B	16	31.685	-59.393	66.858	1.00	0.00	O
ATOM	1066	N7	G B	16	31.238	-58.239	64.022	1.00	0.00	N
ATOM	1067	C8	G B	16	31.578	-57.457	63.030	1.00	0.00	C
ATOM	1068	N9	G B	16	32.720	-56.716	63.261	1.00	0.00	N
ATOM	1069	C2'	G B	16	33.388	-56.123	60.903	1.00	0.00	C
ATOM	1070	C3'	G B	16	33.247	-54.772	60.219	1.00	0.00	C
ATOM	1071	O3'	G B	16	34.538	-54.181	60.083	1.00	0.00	O
ATOM	1072	C4'	G B	16	32.355	-53.992	61.184	1.00	0.00	C
ATOM	1073	O4'	G B	16	32.729	-54.496	62.507	1.00	0.00	O
ATOM	1074	C5'	G B	16	30.865	-54.162	61.005	1.00	0.00	C
ATOM	1075	O5'	G B	16	30.569	-55.528	60.621	1.00	0.00	O
ATOM	1076	O1P	G B	16	29.674	-55.297	58.281	1.00	0.00	O
ATOM	1077	O2P	G B	16	28.958	-57.228	59.712	1.00	0.00	O
ATOM	1078	P	G B	16	29.350	-55.800	59.628	1.00	0.00	P
ATOM	1079	H1	G B	16	33.727	-58.380	67.875	1.00	0.00	H
ATOM	1080	H8	G B	16	31.010	-57.395	62.103	1.00	0.00	H
ATOM	1081	H1'	G B	16	34.421	-55.599	62.735	1.00	0.00	H
ATOM	1082	H21	G B	16	35.528	-57.149	68.086	1.00	0.00	H
ATOM	1083	H3'	G B	16	32.784	-54.857	59.236	1.00	0.00	H
ATOM	1084	H22	G B	16	36.097	-56.050	66.798	1.00	0.00	H
ATOM	1085	H4'	G B	16	32.589	-52.937	61.049	1.00	0.00	H
ATOM	1086	H2'1	G B	16	32.552	-56.780	60.657	1.00	0.00	H
ATOM	1087	H2'2	G B	16	34.304	-56.628	60.600	1.00	0.00	H
ATOM	1088	H5'1	G B	16	30.363	-53.926	61.943	1.00	0.00	H
ATOM	1089	H5'2	G B	16	30.518	-53.479	60.230	1.00	0.00	H
ATOM	1090	C1'	G B	17	38.044	-57.082	63.445	1.00	0.00	C
ATOM	1091	N1	G B	17	35.752	-60.578	66.368	1.00	0.00	N
ATOM	1092	C2	G B	17	36.857	-59.787	66.630	1.00	0.00	C
ATOM	1093	N2	G B	17	37.426	-59.951	67.830	1.00	0.00	N
ATOM	1094	N3	G B	17	37.350	-58.903	65.766	1.00	0.00	N

ATOM	1095	C4	G B	17	36.654	-58.876	64.599	1.00	0.00	C
ATOM	1096	C5	G B	17	35.545	-59.629	64.249	1.00	0.00	C
ATOM	1097	C6	G B	17	35.018	-60.563	65.167	1.00	0.00	C
ATOM	1098	O6	G B	17	34.051	-61.316	65.041	1.00	0.00	O
ATOM	1099	N7	G B	17	35.128	-59.300	62.957	1.00	0.00	N
ATOM	1100	C8	G B	17	35.973	-58.377	62.577	1.00	0.00	C
ATOM	1101	N9	G B	17	36.931	-58.067	63.520	1.00	0.00	N
ATOM	1102	C2'	G B	17	38.698	-56.999	62.072	1.00	0.00	C
ATOM	1103	C3'	G B	17	39.035	-55.519	61.969	1.00	0.00	C
ATOM	1104	O3'	G B	17	40.283	-55.277	62.612	1.00	0.00	O
ATOM	1105	C4'	G B	17	37.870	-54.855	62.700	1.00	0.00	C
ATOM	1106	O4'	G B	17	37.514	-55.807	63.753	1.00	0.00	O
ATOM	1107	C5'	G B	17	36.637	-54.565	61.876	1.00	0.00	C
ATOM	1108	O5'	G B	17	36.430	-55.627	60.913	1.00	0.00	O
ATOM	1109	O1P	G B	17	36.790	-54.484	58.700	1.00	0.00	O
ATOM	1110	O2P	G B	17	35.294	-56.493	58.845	1.00	0.00	O
ATOM	1111	P	G B	17	35.814	-55.262	59.486	1.00	0.00	P
ATOM	1112	H1	G B	17	35.445	-61.228	67.108	1.00	0.00	H
ATOM	1113	H8	G B	17	35.927	-57.896	61.601	1.00	0.00	H
ATOM	1114	H1'	G B	17	38.776	-57.334	64.211	1.00	0.00	H
ATOM	1115	H21	G B	17	37.036	-60.633	68.497	1.00	0.00	H
ATOM	1116	H3'	G B	17	39.090	-55.184	60.934	1.00	0.00	H
ATOM	1117	H22	G B	17	38.254	-59.394	68.086	1.00	0.00	H
ATOM	1118	H4'	G B	17	38.239	-53.907	63.090	1.00	0.00	H
ATOM	1119	H2'1	G B	17	38.024	-57.309	61.274	1.00	0.00	H
ATOM	1120	H2'2	G B	17	39.593	-57.616	62.003	1.00	0.00	H
ATOM	1121	H5'1	G B	17	35.774	-54.494	62.536	1.00	0.00	H
ATOM	1122	H5'2	G B	17	36.770	-53.616	61.356	1.00	0.00	H
ATOM	1123	C1'	C B	18	41.457	-59.861	65.716	1.00	0.00	C
ATOM	1124	N1	C B	18	40.351	-60.496	64.948	1.00	0.00	N
ATOM	1125	C2	C B	18	39.602	-61.486	65.582	1.00	0.00	C
ATOM	1126	O2	C B	18	39.883	-61.793	66.746	1.00	0.00	O
ATOM	1127	N3	C B	18	38.593	-62.076	64.898	1.00	0.00	N
ATOM	1128	C4	C B	18	38.313	-61.721	63.638	1.00	0.00	C
ATOM	1129	N4	C B	18	37.313	-62.330	63.018	1.00	0.00	N
ATOM	1130	C5	C B	18	39.069	-60.710	62.963	1.00	0.00	C
ATOM	1131	C6	C B	18	40.080	-60.126	63.668	1.00	0.00	C
ATOM	1132	C2'	C B	18	42.692	-59.556	64.878	1.00	0.00	C
ATOM	1133	C3'	C B	18	43.179	-58.252	65.493	1.00	0.00	C
ATOM	1134	O3'	C B	18	43.985	-58.545	66.632	1.00	0.00	O
ATOM	1135	C4'	C B	18	41.877	-57.550	65.873	1.00	0.00	C
ATOM	1136	O4'	C B	18	40.970	-58.639	66.238	1.00	0.00	O
ATOM	1137	C5'	C B	18	41.222	-56.718	64.796	1.00	0.00	C
ATOM	1138	O5'	C B	18	41.398	-57.361	63.508	1.00	0.00	O
ATOM	1139	O1P	C B	18	42.878	-55.756	62.253	1.00	0.00	O
ATOM	1140	O2P	C B	18	41.306	-57.255	60.998	1.00	0.00	O
ATOM	1141	P	C B	18	41.574	-56.447	62.212	1.00	0.00	P
ATOM	1142	H5	C B	18	38.848	-60.420	61.934	1.00	0.00	H
ATOM	1143	H6	C B	18	40.680	-59.349	63.197	1.00	0.00	H
ATOM	1144	H1'	C B	18	41.705	-60.510	66.554	1.00	0.00	H
ATOM	1145	H3'	C B	18	43.754	-57.657	64.785	1.00	0.00	H
ATOM	1146	H4'	C B	18	42.107	-56.889	66.709	1.00	0.00	H
ATOM	1147	H41	C B	18	37.075	-62.075	62.048	1.00	0.00	H
ATOM	1148	H42	C B	18	36.772	-63.058	63.506	1.00	0.00	H

ATOM	1149	H2'1	C	B	18	42.453	-59.432	63.822	1.00	0.00	H
ATOM	1150	H2'2	C	B	18	43.446	-60.339	64.953	1.00	0.00	H
ATOM	1151	H5'1	C	B	18	40.159	-56.619	65.015	1.00	0.00	H
ATOM	1152	H5'2	C	B	18	41.679	-55.730	64.780	1.00	0.00	H
ATOM	1153	C1'	C	B	19	43.084	-63.986	67.923	1.00	0.00	C
ATOM	1154	N1	C	B	19	42.424	-64.050	66.592	1.00	0.00	N
ATOM	1155	C2	C	B	19	41.371	-64.948	66.427	1.00	0.00	C
ATOM	1156	O2	C	B	19	41.028	-65.649	67.387	1.00	0.00	O
ATOM	1157	N3	C	B	19	40.758	-65.021	65.221	1.00	0.00	N
ATOM	1158	C4	C	B	19	41.153	-64.248	64.200	1.00	0.00	C
ATOM	1159	N4	C	B	19	40.518	-64.360	63.045	1.00	0.00	N
ATOM	1160	C5	C	B	19	42.231	-63.319	64.342	1.00	0.00	C
ATOM	1161	C6	C	B	19	42.833	-63.261	65.564	1.00	0.00	C
ATOM	1162	C2'	C	B	19	44.590	-63.782	67.853	1.00	0.00	C
ATOM	1163	C3'	C	B	19	44.848	-62.897	69.063	1.00	0.00	C
ATOM	1164	O3'	C	B	19	44.981	-63.714	70.223	1.00	0.00	O
ATOM	1165	C4'	C	B	19	43.598	-62.021	69.115	1.00	0.00	C
ATOM	1166	O4'	C	B	19	42.527	-62.890	68.625	1.00	0.00	O
ATOM	1167	C5'	C	B	19	43.622	-60.766	68.273	1.00	0.00	C
ATOM	1168	O5'	C	B	19	44.329	-61.019	67.034	1.00	0.00	O
ATOM	1169	O1P	C	B	19	46.374	-59.567	67.223	1.00	0.00	O
ATOM	1170	O2P	C	B	19	45.458	-60.156	64.962	1.00	0.00	O
ATOM	1171	P	C	B	19	45.190	-59.844	66.387	1.00	0.00	P
ATOM	1172	H5	C	B	19	42.557	-62.689	63.514	1.00	0.00	H
ATOM	1173	H6	C	B	19	43.659	-62.566	65.720	1.00	0.00	H
ATOM	1174	H1'	C	B	19	42.837	-64.896	68.470	1.00	0.00	H
ATOM	1175	H3'	C	B	19	45.746	-62.292	68.942	1.00	0.00	H
ATOM	1176	H4'	C	B	19	43.462	-61.722	70.155	1.00	0.00	H
ATOM	1177	H41	C	B	19	40.797	-63.777	62.242	1.00	0.00	H
ATOM	1178	H42	C	B	19	39.740	-65.031	62.945	1.00	0.00	H
ATOM	1179	H2'1	C	B	19	44.900	-63.292	66.930	1.00	0.00	H
ATOM	1180	H2'2	C	B	19	45.138	-64.722	67.924	1.00	0.00	H
ATOM	1181	H5'1	C	B	19	42.599	-60.459	68.059	1.00	0.00	H
ATOM	1182	H5'2	C	B	19	44.123	-59.974	68.829	1.00	0.00	H
ATOM	1183	C1'	T	B	20	43.063	-68.848	68.847	1.00	0.00	C
ATOM	1184	N1	T	B	20	43.102	-68.353	67.445	1.00	0.00	N
ATOM	1185	C2	T	B	20	42.169	-68.870	66.569	1.00	0.00	C
ATOM	1186	O2	T	B	20	41.339	-69.697	66.901	1.00	0.00	O
ATOM	1187	N3	T	B	20	42.241	-68.382	65.278	1.00	0.00	N
ATOM	1188	C4	T	B	20	43.136	-67.450	64.800	1.00	0.00	C
ATOM	1189	O4	T	B	20	43.103	-67.090	63.616	1.00	0.00	O
ATOM	1190	C5	T	B	20	44.072	-66.968	65.787	1.00	0.00	C
ATOM	1191	C6	T	B	20	44.032	-67.420	67.056	1.00	0.00	C
ATOM	1192	C7	T	B	20	45.065	-65.952	65.312	1.00	0.00	C
ATOM	1193	C2'	T	B	20	44.442	-69.023	69.473	1.00	0.00	C
ATOM	1194	C3'	T	B	20	44.187	-68.624	70.919	1.00	0.00	C
ATOM	1195	O3'	T	B	20	43.684	-69.752	71.635	1.00	0.00	O
ATOM	1196	C4'	T	B	20	43.147	-67.514	70.786	1.00	0.00	C
ATOM	1197	O4'	T	B	20	42.352	-67.902	69.620	1.00	0.00	O
ATOM	1198	C5'	T	B	20	43.679	-66.117	70.563	1.00	0.00	C
ATOM	1199	O5'	T	B	20	44.857	-66.171	69.718	1.00	0.00	O
ATOM	1200	O1P	T	B	20	46.706	-65.408	71.245	1.00	0.00	O
ATOM	1201	O2P	T	B	20	46.901	-65.060	68.767	1.00	0.00	O
ATOM	1202	P	T	B	20	46.027	-65.118	69.966	1.00	0.00	P

ATOM	1203	H3	T B	20	41.555	-68.752	64.605	1.00	0.00	H
ATOM	1204	H6	T B	20	44.748	-67.042	67.785	1.00	0.00	H
ATOM	1205	H1'	T B	20	42.505	-69.783	68.864	1.00	0.00	H
ATOM	1206	H3'	T B	20	45.090	-68.261	71.407	1.00	0.00	H
ATOM	1207	H4'	T B	20	42.571	-67.506	71.712	1.00	0.00	H
ATOM	1208	H3T	T B	20	44.218	-70.546	71.571	1.00	0.00	H
ATOM	1209	H71	T B	20	46.069	-66.374	65.358	1.00	0.00	H
ATOM	1210	H72	T B	20	44.835	-65.673	64.281	1.00	0.00	H
ATOM	1211	H73	T B	20	45.014	-65.065	65.946	1.00	0.00	H
ATOM	1212	H2'1	T B	20	45.191	-68.383	69.011	1.00	0.00	H
ATOM	1213	H2'2	T B	20	44.800	-70.051	69.403	1.00	0.00	H
ATOM	1214	H5'1	T B	20	42.909	-65.511	70.087	1.00	0.00	H
ATOM	1215	H5'2	T B	20	43.938	-65.677	71.525	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	49.372	-54.211	96.847	1.00	0.00	C
ATOM	2	N1	A A	1	52.648	-50.582	95.284	1.00	0.00	N
ATOM	3	C2	A A	1	52.091	-50.842	96.463	1.00	0.00	C
ATOM	4	N3	A A	1	51.253	-51.800	96.800	1.00	0.00	N
ATOM	5	C4	A A	1	50.976	-52.572	95.734	1.00	0.00	C
ATOM	6	C5	A A	1	51.459	-52.439	94.463	1.00	0.00	C
ATOM	7	C6	A A	1	52.353	-51.369	94.239	1.00	0.00	C
ATOM	8	N6	A A	1	52.908	-51.116	93.041	1.00	0.00	N
ATOM	9	N7	A A	1	50.951	-53.420	93.629	1.00	0.00	N
ATOM	10	C8	A A	1	50.174	-54.115	94.407	1.00	0.00	C
ATOM	11	N9	A A	1	50.141	-53.661	95.699	1.00	0.00	N
ATOM	12	C2'	A A	1	47.988	-54.720	96.473	1.00	0.00	C
ATOM	13	C3'	A A	1	47.831	-55.918	97.396	1.00	0.00	C
ATOM	14	O3'	A A	1	47.357	-55.473	98.664	1.00	0.00	O
ATOM	15	C4'	A A	1	49.250	-56.478	97.472	1.00	0.00	C
ATOM	16	O4'	A A	1	50.109	-55.295	97.379	1.00	0.00	O
ATOM	17	C5'	A A	1	49.648	-57.449	96.386	1.00	0.00	C
ATOM	18	O5'	A A	1	49.048	-57.052	95.127	1.00	0.00	O
ATOM	19	H2	A A	1	52.369	-50.164	97.269	1.00	0.00	H
ATOM	20	H8	A A	1	49.606	-54.980	94.063	1.00	0.00	H
ATOM	21	H1'	A A	1	49.311	-53.439	97.616	1.00	0.00	H
ATOM	22	H3'	A A	1	47.138	-56.658	96.990	1.00	0.00	H
ATOM	23	H4'	A A	1	49.336	-56.992	98.427	1.00	0.00	H
ATOM	24	H61	A A	1	53.555	-50.324	92.933	1.00	0.00	H
ATOM	25	H62	A A	1	52.686	-51.717	92.236	1.00	0.00	H
ATOM	26	H5T	A A	1	48.779	-57.733	94.508	1.00	0.00	H
ATOM	27	H2'1	A A	1	47.924	-55.015	95.426	1.00	0.00	H
ATOM	28	H2'2	A A	1	47.211	-53.977	96.654	1.00	0.00	H
ATOM	29	H5'1	A A	1	50.734	-57.454	96.291	1.00	0.00	H
ATOM	30	H5'2	A A	1	49.308	-58.447	96.657	1.00	0.00	H
ATOM	31	C1'	G A	2	48.102	-49.809	98.762	1.00	0.00	C
ATOM	32	N1	G A	2	50.547	-47.949	94.691	1.00	0.00	N
ATOM	33	C2	G A	2	50.572	-47.530	96.007	1.00	0.00	C
ATOM	34	N2	G A	2	51.349	-46.473	96.277	1.00	0.00	N
ATOM	35	N3	G A	2	49.876	-48.116	96.980	1.00	0.00	N
ATOM	36	C4	G A	2	49.140	-49.165	96.528	1.00	0.00	C
ATOM	37	C5	G A	2	49.052	-49.653	95.234	1.00	0.00	C
ATOM	38	C6	G A	2	49.793	-49.030	94.202	1.00	0.00	C
ATOM	39	O6	G A	2	49.848	-49.316	93.005	1.00	0.00	O
ATOM	40	N7	G A	2	48.184	-50.745	95.187	1.00	0.00	N

ATOM	41	C8	G A	2	47.785	-50.884	96.426	1.00	0.00	C
ATOM	42	N9	G A	2	48.322	-49.962	97.300	1.00	0.00	N
ATOM	43	C2'	G A	2	46.671	-50.087	99.201	1.00	0.00	C
ATOM	44	C3'	G A	2	46.875	-50.746	100.554	1.00	0.00	C
ATOM	45	O3'	G A	2	47.015	-49.736	101.551	1.00	0.00	O
ATOM	46	C4'	G A	2	48.162	-51.543	100.355	1.00	0.00	C
ATOM	47	O4'	G A	2	48.947	-50.731	99.424	1.00	0.00	O
ATOM	48	C5'	G A	2	48.010	-52.930	99.777	1.00	0.00	C
ATOM	49	O5'	G A	2	46.944	-52.938	98.796	1.00	0.00	O
ATOM	50	O1P	G A	2	45.199	-54.419	99.844	1.00	0.00	O
ATOM	51	O2P	G A	2	45.336	-54.214	97.347	1.00	0.00	O
ATOM	52	P	G A	2	46.047	-54.249	98.647	1.00	0.00	P
ATOM	53	H1	G A	2	51.125	-47.427	94.017	1.00	0.00	H
ATOM	54	H8	G A	2	47.089	-51.662	96.741	1.00	0.00	H
ATOM	55	H1'	G A	2	48.410	-48.805	99.052	1.00	0.00	H
ATOM	56	H21	G A	2	51.885	-46.024	95.520	1.00	0.00	H
ATOM	57	H3'	G A	2	46.043	-51.401	100.819	1.00	0.00	H
ATOM	58	H22	G A	2	51.409	-46.112	97.238	1.00	0.00	H
ATOM	59	H4'	G A	2	48.630	-51.640	101.334	1.00	0.00	H
ATOM	60	H2'1	G A	2	46.149	-50.750	98.511	1.00	0.00	H
ATOM	61	H2'2	G A	2	46.080	-49.173	99.288	1.00	0.00	H
ATOM	62	H5'1	G A	2	48.947	-53.227	99.306	1.00	0.00	H
ATOM	63	H5'2	G A	2	47.777	-53.628	100.582	1.00	0.00	H
ATOM	64	C1'	G A	3	47.937	-44.860	98.827	1.00	0.00	C
ATOM	65	N1	G A	3	48.522	-45.338	93.784	1.00	0.00	N
ATOM	66	C2	G A	3	49.118	-44.456	94.666	1.00	0.00	C
ATOM	67	N2	G A	3	49.982	-43.582	94.134	1.00	0.00	N
ATOM	68	N3	G A	3	48.870	-44.445	95.974	1.00	0.00	N
ATOM	69	C4	G A	3	47.966	-45.392	96.337	1.00	0.00	C
ATOM	70	C5	G A	3	47.321	-46.311	95.527	1.00	0.00	C
ATOM	71	C6	G A	3	47.587	-46.326	94.138	1.00	0.00	C
ATOM	72	O6	G A	3	47.119	-47.058	93.266	1.00	0.00	O
ATOM	73	N7	G A	3	46.466	-47.109	96.289	1.00	0.00	N
ATOM	74	C8	G A	3	46.619	-46.661	97.508	1.00	0.00	C
ATOM	75	N9	G A	3	47.513	-45.617	97.617	1.00	0.00	N
ATOM	76	C2'	G A	3	46.812	-44.614	99.823	1.00	0.00	C
ATOM	77	C3'	G A	3	47.535	-44.720	101.154	1.00	0.00	C
ATOM	78	O3'	G A	3	48.127	-43.462	101.467	1.00	0.00	O
ATOM	79	C4'	G A	3	48.584	-45.799	100.888	1.00	0.00	C
ATOM	80	O4'	G A	3	48.939	-45.615	99.480	1.00	0.00	O
ATOM	81	C5'	G A	3	48.142	-47.229	101.090	1.00	0.00	C
ATOM	82	O5'	G A	3	46.762	-47.380	100.672	1.00	0.00	O
ATOM	83	O1P	G A	3	45.555	-47.901	102.819	1.00	0.00	O
ATOM	84	O2P	G A	3	44.638	-48.723	100.633	1.00	0.00	O
ATOM	85	P	G A	3	45.827	-48.405	101.460	1.00	0.00	P
ATOM	86	H1	G A	3	48.787	-45.266	92.789	1.00	0.00	H
ATOM	87	H8	G A	3	46.086	-47.075	98.364	1.00	0.00	H
ATOM	88	H1'	G A	3	48.382	-43.920	98.503	1.00	0.00	H
ATOM	89	H21	G A	3	50.171	-43.598	93.120	1.00	0.00	H
ATOM	90	H3'	G A	3	46.866	-45.014	101.963	1.00	0.00	H
ATOM	91	H22	G A	3	50.457	-42.897	94.737	1.00	0.00	H
ATOM	92	H4'	G A	3	49.415	-45.608	101.565	1.00	0.00	H
ATOM	93	H2'1	G A	3	46.019	-45.359	99.742	1.00	0.00	H
ATOM	94	H2'2	G A	3	46.353	-43.633	99.696	1.00	0.00	H

ATOM	95	H5 '1	G A	3	48.779	-47.887	100.503	1.00	0.00	H
ATOM	96	H5 '2	G A	3	48.237	-47.486	102.145	1.00	0.00	H
ATOM	97	C1 '	C A	4	48.035	-40.378	96.720	1.00	0.00	C
ATOM	98	N1	C A	4	47.111	-41.431	96.215	1.00	0.00	N
ATOM	99	C2	C A	4	47.126	-41.710	94.850	1.00	0.00	C
ATOM	100	O2	C A	4	47.897	-41.076	94.119	1.00	0.00	O
ATOM	101	N3	C A	4	46.293	-42.666	94.370	1.00	0.00	N
ATOM	102	C4	C A	4	45.468	-43.333	95.187	1.00	0.00	C
ATOM	103	N4	C A	4	44.676	-44.258	94.664	1.00	0.00	N
ATOM	104	C5	C A	4	45.432	-43.065	96.594	1.00	0.00	C
ATOM	105	C6	C A	4	46.280	-42.101	97.055	1.00	0.00	C
ATOM	106	C2 '	C A	4	47.439	-39.519	97.826	1.00	0.00	C
ATOM	107	C3 '	C A	4	48.648	-39.257	98.712	1.00	0.00	C
ATOM	108	O3 '	C A	4	49.374	-38.143	98.196	1.00	0.00	O
ATOM	109	C4 '	C A	4	49.437	-40.561	98.604	1.00	0.00	C
ATOM	110	O4 '	C A	4	49.182	-41.025	97.240	1.00	0.00	O
ATOM	111	C5 '	C A	4	49.052	-41.659	99.568	1.00	0.00	C
ATOM	112	O5 '	C A	4	47.618	-41.645	99.779	1.00	0.00	O
ATOM	113	O1P	C A	4	47.392	-41.002	102.202	1.00	0.00	O
ATOM	114	O2P	C A	4	45.610	-42.381	101.099	1.00	0.00	O
ATOM	115	P	C A	4	47.050	-42.045	101.216	1.00	0.00	P
ATOM	116	H5	C A	4	44.757	-43.601	97.261	1.00	0.00	H
ATOM	117	H6	C A	4	46.292	-41.866	98.120	1.00	0.00	H
ATOM	118	H1 '	C A	4	48.349	-39.767	95.875	1.00	0.00	H
ATOM	119	H3 '	C A	4	48.361	-39.054	99.744	1.00	0.00	H
ATOM	120	H4 '	C A	4	50.484	-40.313	98.781	1.00	0.00	H
ATOM	121	H41	C A	4	44.033	-44.787	95.270	1.00	0.00	H
ATOM	122	H42	C A	4	44.703	-44.449	93.651	1.00	0.00	H
ATOM	123	H2 '1	C A	4	46.653	-40.035	98.374	1.00	0.00	H
ATOM	124	H2 '2	C A	4	47.016	-38.588	97.445	1.00	0.00	H
ATOM	125	H5 '1	C A	4	49.354	-42.621	99.154	1.00	0.00	H
ATOM	126	H5 '2	C A	4	49.565	-41.499	100.515	1.00	0.00	H
ATOM	127	C1 '	C A	5	47.438	-37.222	92.951	1.00	0.00	C
ATOM	128	N1	C A	5	46.340	-38.151	93.340	1.00	0.00	N
ATOM	129	C2	C A	5	45.768	-38.936	92.342	1.00	0.00	C
ATOM	130	O2	C A	5	46.188	-38.832	91.182	1.00	0.00	O
ATOM	131	N3	C A	5	44.768	-39.790	92.675	1.00	0.00	N
ATOM	132	C4	C A	5	44.333	-39.881	93.938	1.00	0.00	C
ATOM	133	N4	C A	5	43.357	-40.733	94.208	1.00	0.00	N
ATOM	134	C5	C A	5	44.904	-39.084	94.983	1.00	0.00	C
ATOM	135	C6	C A	5	45.910	-38.237	94.626	1.00	0.00	C
ATOM	136	C2 '	C A	5	47.400	-35.890	93.685	1.00	0.00	C
ATOM	137	C3 '	C A	5	48.880	-35.583	93.859	1.00	0.00	C
ATOM	138	O3 '	C A	5	49.370	-34.954	92.678	1.00	0.00	O
ATOM	139	C4 '	C A	5	49.490	-36.966	94.073	1.00	0.00	C
ATOM	140	O4 '	C A	5	48.666	-37.856	93.255	1.00	0.00	O
ATOM	141	C5 '	C A	5	49.499	-37.483	95.493	1.00	0.00	C
ATOM	142	O5 '	C A	5	48.287	-37.066	96.174	1.00	0.00	O
ATOM	143	O1P	C A	5	49.131	-35.496	97.950	1.00	0.00	O
ATOM	144	O2P	C A	5	46.991	-36.757	98.303	1.00	0.00	O
ATOM	145	P	C A	5	48.360	-36.734	97.732	1.00	0.00	P
ATOM	146	H5	C A	5	44.550	-39.151	96.013	1.00	0.00	H
ATOM	147	H6	C A	5	46.379	-37.613	95.387	1.00	0.00	H
ATOM	148	H1 '	C A	5	47.393	-37.077	91.872	1.00	0.00	H

ATOM	149	H3'	C A	5	49.064	-34.934	94.716	1.00	0.00	H
ATOM	150	H4'	C A	5	50.525	-36.910	93.735	1.00	0.00	H
ATOM	151	H41	C A	5	43.005	-40.825	95.172	1.00	0.00	H
ATOM	152	H42	C A	5	42.947	-41.304	93.454	1.00	0.00	H
ATOM	153	H2'1	C A	5	46.894	-35.960	94.647	1.00	0.00	H
ATOM	154	H2'2	C A	5	46.899	-35.112	93.105	1.00	0.00	H
ATOM	155	H5'1	C A	5	49.556	-38.573	95.477	1.00	0.00	H
ATOM	156	H5'2	C A	5	50.369	-37.087	96.013	1.00	0.00	H
ATOM	157	C1'	G A	6	45.450	-35.743	88.662	1.00	0.00	C
ATOM	158	N1	G A	6	41.595	-38.784	90.051	1.00	0.00	N
ATOM	159	C2	G A	6	42.199	-38.623	88.815	1.00	0.00	C
ATOM	160	N2	G A	6	41.709	-39.366	87.818	1.00	0.00	N
ATOM	161	N3	G A	6	43.210	-37.783	88.595	1.00	0.00	N
ATOM	162	C4	G A	6	43.572	-37.104	89.715	1.00	0.00	C
ATOM	163	C5	G A	6	43.026	-37.197	90.985	1.00	0.00	C
ATOM	164	C6	G A	6	41.957	-38.088	91.221	1.00	0.00	C
ATOM	165	O6	G A	6	41.346	-38.309	92.267	1.00	0.00	O
ATOM	166	N7	G A	6	43.684	-36.327	91.857	1.00	0.00	N
ATOM	167	C8	G A	6	44.587	-35.752	91.108	1.00	0.00	C
ATOM	168	N9	G A	6	44.582	-36.171	89.793	1.00	0.00	N
ATOM	169	C2'	G A	6	45.790	-34.260	88.676	1.00	0.00	C
ATOM	170	C3'	G A	6	47.214	-34.255	88.148	1.00	0.00	C
ATOM	171	O3'	G A	6	47.187	-34.265	86.722	1.00	0.00	O
ATOM	172	C4'	G A	6	47.795	-35.544	88.724	1.00	0.00	C
ATOM	173	O4'	G A	6	46.661	-36.469	88.751	1.00	0.00	O
ATOM	174	C5'	G A	6	48.381	-35.456	90.113	1.00	0.00	C
ATOM	175	O5'	G A	6	47.596	-34.542	90.919	1.00	0.00	O
ATOM	176	O1P	G A	6	49.184	-32.641	91.360	1.00	0.00	O
ATOM	177	O2P	G A	6	47.341	-33.140	92.989	1.00	0.00	O
ATOM	178	P	G A	6	48.338	-33.656	92.017	1.00	0.00	P
ATOM	179	H1	G A	6	40.823	-39.465	90.117	1.00	0.00	H
ATOM	180	H8	G A	6	45.285	-35.004	91.486	1.00	0.00	H
ATOM	181	H1'	G A	6	44.959	-36.024	87.730	1.00	0.00	H
ATOM	182	H21	G A	6	40.929	-40.017	87.996	1.00	0.00	H
ATOM	183	H3'	G A	6	47.776	-33.384	88.489	1.00	0.00	H
ATOM	184	H22	G A	6	42.113	-39.292	86.874	1.00	0.00	H
ATOM	185	H4'	G A	6	48.589	-35.865	88.049	1.00	0.00	H
ATOM	186	H2'1	G A	6	45.738	-33.832	89.678	1.00	0.00	H
ATOM	187	H2'2	G A	6	45.127	-33.676	88.036	1.00	0.00	H
ATOM	188	H5'1	G A	6	48.377	-36.445	90.567	1.00	0.00	H
ATOM	189	H5'2	G A	6	49.409	-35.098	90.045	1.00	0.00	H
ATOM	190	C1'	C A	7	41.914	-35.650	85.198	1.00	0.00	C
ATOM	191	N1	C A	7	41.579	-35.398	86.626	1.00	0.00	N
ATOM	192	C2	C A	7	40.545	-36.140	87.191	1.00	0.00	C
ATOM	193	O2	C A	7	39.949	-36.968	86.492	1.00	0.00	O
ATOM	194	N3	C A	7	40.223	-35.926	88.491	1.00	0.00	N
ATOM	195	C4	C A	7	40.884	-35.021	89.224	1.00	0.00	C
ATOM	196	N4	C A	7	40.531	-34.855	90.491	1.00	0.00	N
ATOM	197	C5	C A	7	41.950	-34.242	88.667	1.00	0.00	C
ATOM	198	C6	C A	7	42.260	-34.476	87.357	1.00	0.00	C
ATOM	199	C2'	C A	7	42.290	-34.393	84.424	1.00	0.00	C
ATOM	200	C3'	C A	7	43.365	-34.911	83.480	1.00	0.00	C
ATOM	201	O3'	C A	7	42.741	-35.471	82.325	1.00	0.00	O
ATOM	202	C4'	C A	7	44.077	-35.967	84.322	1.00	0.00	C

ATOM	203	O4'	C A	7	43.020	-36.532	85.163	1.00	0.00	O
ATOM	204	C5'	C A	7	45.191	-35.473	85.214	1.00	0.00	C
ATOM	205	O5'	C A	7	44.853	-34.169	85.747	1.00	0.00	O
ATOM	206	O1P	C A	7	46.560	-32.646	84.694	1.00	0.00	O
ATOM	207	O2P	C A	7	45.544	-32.051	86.910	1.00	0.00	O
ATOM	208	P	C A	7	46.021	-33.111	85.990	1.00	0.00	P
ATOM	209	H5	C A	7	42.488	-33.498	89.257	1.00	0.00	H
ATOM	210	H6	C A	7	43.069	-33.914	86.890	1.00	0.00	H
ATOM	211	H1'	C A	7	41.068	-36.156	84.732	1.00	0.00	H
ATOM	212	H3'	C A	7	44.052	-34.121	83.173	1.00	0.00	H
ATOM	213	H4'	C A	7	44.502	-36.690	83.627	1.00	0.00	H
ATOM	214	H41	C A	7	41.024	-34.167	91.077	1.00	0.00	H
ATOM	215	H42	C A	7	39.764	-35.413	90.890	1.00	0.00	H
ATOM	216	H2'1	C A	7	42.677	-33.608	85.073	1.00	0.00	H
ATOM	217	H2'2	C A	7	41.444	-33.977	83.875	1.00	0.00	H
ATOM	218	H5'1	C A	7	45.336	-36.180	86.033	1.00	0.00	H
ATOM	219	H5'2	C A	7	46.112	-35.405	84.633	1.00	0.00	H
ATOM	220	C1'	A A	8	37.266	-36.122	83.559	1.00	0.00	C
ATOM	221	N1	A A	8	36.052	-35.100	88.441	1.00	0.00	N
ATOM	222	C2	A A	8	35.580	-35.981	87.563	1.00	0.00	C
ATOM	223	N3	A A	8	35.943	-36.196	86.316	1.00	0.00	N
ATOM	224	C4	A A	8	36.932	-35.352	85.967	1.00	0.00	C
ATOM	225	C5	A A	8	37.522	-34.396	86.745	1.00	0.00	C
ATOM	226	C6	A A	8	37.040	-34.274	88.064	1.00	0.00	C
ATOM	227	N6	A A	8	37.524	-33.379	88.943	1.00	0.00	N
ATOM	228	N7	A A	8	38.508	-33.720	86.045	1.00	0.00	N
ATOM	229	C8	A A	8	38.490	-34.275	84.869	1.00	0.00	C
ATOM	230	N9	A A	8	37.560	-35.276	84.748	1.00	0.00	N
ATOM	231	C2'	A A	8	37.353	-35.375	82.236	1.00	0.00	C
ATOM	232	C3'	A A	8	37.917	-36.437	81.307	1.00	0.00	C
ATOM	233	O3'	A A	8	36.848	-37.243	80.817	1.00	0.00	O
ATOM	234	C4'	A A	8	38.859	-37.221	82.219	1.00	0.00	C
ATOM	235	O4'	A A	8	38.215	-37.171	83.534	1.00	0.00	O
ATOM	236	C5'	A A	8	40.266	-36.685	82.348	1.00	0.00	C
ATOM	237	O5'	A A	8	40.241	-35.235	82.337	1.00	0.00	O
ATOM	238	O1P	A A	8	41.437	-34.653	80.199	1.00	0.00	O
ATOM	239	O2P	A A	8	41.455	-33.045	82.126	1.00	0.00	O
ATOM	240	P	A A	8	41.458	-34.454	81.661	1.00	0.00	P
ATOM	241	H2	A A	8	34.779	-36.619	87.930	1.00	0.00	H
ATOM	242	H8	A A	8	39.151	-33.975	84.056	1.00	0.00	H
ATOM	243	H1'	A A	8	36.280	-36.567	83.693	1.00	0.00	H
ATOM	244	H3'	A A	8	38.455	-36.002	80.467	1.00	0.00	H
ATOM	245	H4'	A A	8	38.924	-38.230	81.815	1.00	0.00	H
ATOM	246	H61	A A	8	37.139	-33.333	89.896	1.00	0.00	H
ATOM	247	H62	A A	8	38.281	-32.740	88.660	1.00	0.00	H
ATOM	248	H2'1	A A	8	38.012	-34.509	82.294	1.00	0.00	H
ATOM	249	H2'2	A A	8	36.380	-35.025	81.895	1.00	0.00	H
ATOM	250	H5'1	A A	8	40.697	-37.038	83.286	1.00	0.00	H
ATOM	251	H5'2	A A	8	40.866	-37.050	81.517	1.00	0.00	H
ATOM	252	C1'	C A	9	32.334	-36.129	84.140	1.00	0.00	C
ATOM	253	N1	C A	9	33.147	-34.973	84.610	1.00	0.00	N
ATOM	254	C2	C A	9	32.964	-34.537	85.922	1.00	0.00	C
ATOM	255	O2	C A	9	32.141	-35.123	86.635	1.00	0.00	O
ATOM	256	N3	C A	9	33.694	-33.487	86.368	1.00	0.00	N

ATOM	257	C4	C A	9	34.577	-32.872	85.570	1.00	0.00	C
ATOM	258	N4	C A	9	35.267	-31.852	86.060	1.00	0.00	N
ATOM	259	C5	C A	9	34.783	-33.296	84.215	1.00	0.00	C
ATOM	260	C6	C A	9	34.040	-34.359	83.788	1.00	0.00	C
ATOM	261	C2'	C A	9	31.873	-36.007	82.695	1.00	0.00	C
ATOM	262	C3'	C A	9	31.938	-37.451	82.218	1.00	0.00	C
ATOM	263	O3'	C A	9	30.730	-38.117	82.580	1.00	0.00	O
ATOM	264	C4'	C A	9	33.148	-38.001	82.969	1.00	0.00	C
ATOM	265	O4'	C A	9	33.137	-37.290	84.247	1.00	0.00	O
ATOM	266	C5'	C A	9	34.494	-37.796	82.315	1.00	0.00	C
ATOM	267	O5'	C A	9	34.524	-36.507	81.651	1.00	0.00	O
ATOM	268	O1P	C A	9	34.705	-37.109	79.214	1.00	0.00	O
ATOM	269	O2P	C A	9	35.616	-34.920	80.036	1.00	0.00	O
ATOM	270	P	C A	9	35.361	-36.357	80.302	1.00	0.00	P
ATOM	271	H5	C A	9	35.497	-32.795	83.561	1.00	0.00	H
ATOM	272	H6	C A	9	34.168	-34.724	82.769	1.00	0.00	H
ATOM	273	H1'	C A	9	31.485	-36.245	84.813	1.00	0.00	H
ATOM	274	H3'	C A	9	32.078	-37.518	81.140	1.00	0.00	H
ATOM	275	H4'	C A	9	32.992	-39.076	83.077	1.00	0.00	H
ATOM	276	H41	C A	9	35.955	-31.363	85.469	1.00	0.00	H
ATOM	277	H42	C A	9	35.115	-31.547	87.033	1.00	0.00	H
ATOM	278	H2'1	C A	9	32.525	-35.367	82.104	1.00	0.00	H
ATOM	279	H2'2	C A	9	30.862	-35.607	82.615	1.00	0.00	H
ATOM	280	H5'1	C A	9	35.273	-37.837	83.075	1.00	0.00	H
ATOM	281	H5'2	C A	9	34.662	-38.589	81.586	1.00	0.00	H
ATOM	282	C1'	C A	10	28.108	-34.808	86.360	1.00	0.00	C
ATOM	283	N1	C A	10	29.094	-33.776	85.936	1.00	0.00	N
ATOM	284	C2	C A	10	29.499	-32.835	86.880	1.00	0.00	C
ATOM	285	O2	C A	10	29.028	-32.892	88.023	1.00	0.00	O
ATOM	286	N3	C A	10	30.396	-31.886	86.515	1.00	0.00	N
ATOM	287	C4	C A	10	30.888	-31.847	85.269	1.00	0.00	C
ATOM	288	N4	C A	10	31.764	-30.900	84.966	1.00	0.00	N
ATOM	289	C5	C A	10	30.487	-32.800	84.277	1.00	0.00	C
ATOM	290	C6	C A	10	29.586	-33.750	84.669	1.00	0.00	C
ATOM	291	C2'	C A	10	27.089	-35.161	85.286	1.00	0.00	C
ATOM	292	C3'	C A	10	26.884	-36.649	85.521	1.00	0.00	C
ATOM	293	O3'	C A	10	25.911	-36.831	86.549	1.00	0.00	O
ATOM	294	C4'	C A	10	28.270	-37.120	85.949	1.00	0.00	C
ATOM	295	O4'	C A	10	28.829	-35.984	86.681	1.00	0.00	O
ATOM	296	C5'	C A	10	29.225	-37.495	84.839	1.00	0.00	C
ATOM	297	O5'	C A	10	29.031	-36.610	83.707	1.00	0.00	O
ATOM	298	O1P	C A	10	28.143	-38.140	81.916	1.00	0.00	O
ATOM	299	O2P	C A	10	29.411	-36.069	81.283	1.00	0.00	O
ATOM	300	P	C A	10	29.228	-37.191	82.235	1.00	0.00	P
ATOM	301	H5	C A	10	30.879	-32.769	83.259	1.00	0.00	H
ATOM	302	H6	C A	10	29.257	-34.502	83.951	1.00	0.00	H
ATOM	303	H1'	C A	10	27.617	-34.458	87.267	1.00	0.00	H
ATOM	304	H3'	C A	10	26.552	-37.162	84.619	1.00	0.00	H
ATOM	305	H4'	C A	10	28.126	-38.002	86.573	1.00	0.00	H
ATOM	306	H41	C A	10	32.160	-30.850	84.016	1.00	0.00	H
ATOM	307	H42	C A	10	32.049	-30.215	85.680	1.00	0.00	H
ATOM	308	H2'1	C A	10	27.461	-34.966	84.282	1.00	0.00	H
ATOM	309	H2'2	C A	10	26.156	-34.606	85.405	1.00	0.00	H
ATOM	310	H5'1	C A	10	30.249	-37.410	85.202	1.00	0.00	H

ATOM	311	H5'2	C	A	10	29.037	-38.525	84.539	1.00	0.00	H
ATOM	312	C1'	T	A	11	25.257	-31.830	89.099	1.00	0.00	C
ATOM	313	N1	T	A	11	26.025	-31.279	87.951	1.00	0.00	N
ATOM	314	C2	T	A	11	26.809	-30.170	88.192	1.00	0.00	C
ATOM	315	O2	T	A	11	26.890	-29.643	89.288	1.00	0.00	O
ATOM	316	N3	T	A	11	27.507	-29.691	87.097	1.00	0.00	N
ATOM	317	C4	T	A	11	27.484	-30.209	85.819	1.00	0.00	C
ATOM	318	O4	T	A	11	28.150	-29.690	84.915	1.00	0.00	O
ATOM	319	C5	T	A	11	26.635	-31.367	85.664	1.00	0.00	C
ATOM	320	C6	T	A	11	25.943	-31.861	86.710	1.00	0.00	C
ATOM	321	C7	T	A	11	26.583	-31.965	84.289	1.00	0.00	C
ATOM	322	C2'	T	A	11	23.871	-32.339	88.724	1.00	0.00	C
ATOM	323	C3'	T	A	11	23.713	-33.540	89.643	1.00	0.00	C
ATOM	324	O3'	T	A	11	23.242	-33.101	90.915	1.00	0.00	O
ATOM	325	C4'	T	A	11	25.132	-34.100	89.715	1.00	0.00	C
ATOM	326	O4'	T	A	11	25.991	-32.918	89.627	1.00	0.00	O
ATOM	327	C5'	T	A	11	25.529	-35.068	88.625	1.00	0.00	C
ATOM	328	O5'	T	A	11	24.927	-34.666	87.369	1.00	0.00	O
ATOM	329	O1P	T	A	11	23.316	-36.534	86.870	1.00	0.00	O
ATOM	330	O2P	T	A	11	24.303	-35.191	84.993	1.00	0.00	O
ATOM	331	P	T	A	11	24.477	-35.794	86.338	1.00	0.00	P
ATOM	332	H3	T	A	11	28.103	-28.868	87.252	1.00	0.00	H
ATOM	333	H6	T	A	11	25.309	-32.737	86.568	1.00	0.00	H
ATOM	334	H1'	T	A	11	25.196	-31.063	89.870	1.00	0.00	H
ATOM	335	H3'	T	A	11	23.020	-34.275	89.236	1.00	0.00	H
ATOM	336	H4'	T	A	11	25.220	-34.620	90.671	1.00	0.00	H
ATOM	337	H71	T	A	11	25.578	-31.848	83.881	1.00	0.00	H
ATOM	338	H72	T	A	11	27.298	-31.454	83.644	1.00	0.00	H
ATOM	339	H73	T	A	11	26.832	-33.024	84.342	1.00	0.00	H
ATOM	340	H2'1	T	A	11	23.806	-32.629	87.678	1.00	0.00	H
ATOM	341	H2'2	T	A	11	23.093	-31.594	88.907	1.00	0.00	H
ATOM	342	H5'1	T	A	11	26.614	-35.074	88.528	1.00	0.00	H
ATOM	343	H5'2	T	A	11	25.188	-36.068	88.893	1.00	0.00	H
ATOM	344	C1'	A	A	12	23.972	-27.443	91.030	1.00	0.00	C
ATOM	345	N1	A	A	12	26.444	-25.552	86.949	1.00	0.00	N
ATOM	346	C2	A	A	12	26.423	-25.198	88.230	1.00	0.00	C
ATOM	347	N3	A	A	12	25.763	-25.735	89.236	1.00	0.00	N
ATOM	348	C4	A	A	12	25.028	-26.777	88.808	1.00	0.00	C
ATOM	349	C5	A	A	12	24.938	-27.263	87.534	1.00	0.00	C
ATOM	350	C6	A	A	12	25.701	-26.596	86.552	1.00	0.00	C
ATOM	351	N6	A	A	12	25.713	-26.963	85.259	1.00	0.00	N
ATOM	352	N7	A	A	12	24.084	-28.349	87.474	1.00	0.00	N
ATOM	353	C8	A	A	12	23.675	-28.494	88.699	1.00	0.00	C
ATOM	354	N9	A	A	12	24.209	-27.575	89.566	1.00	0.00	N
ATOM	355	C2'	A	A	12	22.536	-27.733	91.446	1.00	0.00	C
ATOM	356	C3'	A	A	12	22.728	-28.409	92.795	1.00	0.00	C
ATOM	357	O3'	A	A	12	22.853	-27.409	93.804	1.00	0.00	O
ATOM	358	C4'	A	A	12	24.023	-29.197	92.601	1.00	0.00	C
ATOM	359	O4'	A	A	12	24.814	-28.371	91.688	1.00	0.00	O
ATOM	360	C5'	A	A	12	23.882	-30.577	92.005	1.00	0.00	C
ATOM	361	O5'	A	A	12	22.828	-30.579	91.009	1.00	0.00	O
ATOM	362	O1P	A	A	12	21.077	-32.080	92.020	1.00	0.00	O
ATOM	363	O2P	A	A	12	21.242	-31.843	89.527	1.00	0.00	O
ATOM	364	P	A	A	12	21.939	-31.891	90.835	1.00	0.00	P

ATOM	365	H2	A	A	12	27.044	-24.341	88.487	1.00	0.00	H
ATOM	366	H8	A	A	12	22.975	-29.270	89.010	1.00	0.00	H
ATOM	367	H1'	A	A	12	24.273	-26.441	91.335	1.00	0.00	H
ATOM	368	H3'	A	A	12	21.899	-29.069	93.044	1.00	0.00	H
ATOM	369	H4'	A	A	12	24.478	-29.303	93.585	1.00	0.00	H
ATOM	370	H61	A	A	12	26.289	-26.445	84.582	1.00	0.00	H
ATOM	371	H62	A	A	12	25.143	-27.763	84.945	1.00	0.00	H
ATOM	372	H2'1	A	A	12	22.026	-28.390	90.744	1.00	0.00	H
ATOM	373	H2'2	A	A	12	21.942	-26.825	91.537	1.00	0.00	H
ATOM	374	H5'1	A	A	12	24.827	-30.863	91.541	1.00	0.00	H
ATOM	375	H5'2	A	A	12	23.643	-31.286	92.797	1.00	0.00	H
ATOM	376	C1'	G	A	13	23.821	-22.481	91.080	1.00	0.00	C
ATOM	377	N1	G	A	13	24.408	-22.959	86.034	1.00	0.00	N
ATOM	378	C2	G	A	13	25.003	-22.076	86.917	1.00	0.00	C
ATOM	379	N2	G	A	13	25.867	-21.199	86.386	1.00	0.00	N
ATOM	380	N3	G	A	13	24.754	-22.065	88.226	1.00	0.00	N
ATOM	381	C4	G	A	13	23.851	-23.012	88.588	1.00	0.00	C
ATOM	382	C5	G	A	13	23.205	-23.932	87.779	1.00	0.00	C
ATOM	383	C6	G	A	13	23.471	-23.947	86.389	1.00	0.00	C
ATOM	384	O6	G	A	13	23.001	-24.679	85.518	1.00	0.00	O
ATOM	385	N7	G	A	13	22.350	-24.731	88.541	1.00	0.00	N
ATOM	386	C8	G	A	13	22.503	-24.282	89.760	1.00	0.00	C
ATOM	387	N9	G	A	13	23.397	-23.238	89.869	1.00	0.00	N
ATOM	388	C2'	G	A	13	22.696	-22.236	92.075	1.00	0.00	C
ATOM	389	C3'	G	A	13	23.419	-22.342	93.406	1.00	0.00	C
ATOM	390	O3'	G	A	13	24.011	-21.081	93.719	1.00	0.00	O
ATOM	391	C4'	G	A	13	24.468	-23.420	93.139	1.00	0.00	C
ATOM	392	O4'	G	A	13	24.823	-23.236	91.732	1.00	0.00	O
ATOM	393	C5'	G	A	13	24.025	-24.850	93.342	1.00	0.00	C
ATOM	394	O5'	G	A	13	22.646	-25.001	92.924	1.00	0.00	O
ATOM	395	O1P	G	A	13	21.439	-25.522	95.070	1.00	0.00	O
ATOM	396	O2P	G	A	13	20.522	-26.344	92.885	1.00	0.00	O
ATOM	397	P	G	A	13	21.712	-26.027	93.712	1.00	0.00	P
ATOM	398	H1	G	A	13	24.674	-22.889	85.040	1.00	0.00	H
ATOM	399	H8	G	A	13	21.970	-24.696	90.616	1.00	0.00	H
ATOM	400	H1'	G	A	13	24.267	-21.541	90.754	1.00	0.00	H
ATOM	401	H21	G	A	13	26.055	-21.218	85.372	1.00	0.00	H
ATOM	402	H3'	G	A	13	22.749	-22.635	94.215	1.00	0.00	H
ATOM	403	H22	G	A	13	26.339	-20.515	86.989	1.00	0.00	H
ATOM	404	H4'	G	A	13	25.299	-23.229	93.816	1.00	0.00	H
ATOM	405	H2'1	G	A	13	21.903	-22.981	91.994	1.00	0.00	H
ATOM	406	H2'2	G	A	13	22.236	-21.255	91.948	1.00	0.00	H
ATOM	407	H5'1	G	A	13	24.663	-25.509	92.754	1.00	0.00	H
ATOM	408	H5'2	G	A	13	24.122	-25.108	94.397	1.00	0.00	H
ATOM	409	C1'	G	A	14	23.919	-18.000	88.972	1.00	0.00	C
ATOM	410	N1	G	A	14	22.309	-20.529	84.844	1.00	0.00	N
ATOM	411	C2	G	A	14	23.258	-19.529	84.958	1.00	0.00	C
ATOM	412	N2	G	A	14	23.855	-19.150	83.823	1.00	0.00	N
ATOM	413	N3	G	A	14	23.584	-18.952	86.116	1.00	0.00	N
ATOM	414	C4	G	A	14	22.874	-19.453	87.160	1.00	0.00	C
ATOM	415	C5	G	A	14	21.908	-20.446	87.139	1.00	0.00	C
ATOM	416	C6	G	A	14	21.563	-21.060	85.915	1.00	0.00	C
ATOM	417	O6	G	A	14	20.741	-21.949	85.695	1.00	0.00	O
ATOM	418	N7	G	A	14	21.419	-20.667	88.429	1.00	0.00	N

ATOM	419	C8	G A	14	22.091	-19.826	89.172	1.00	0.00	C
ATOM	420	N9	G A	14	22.993	-19.053	88.472	1.00	0.00	N
ATOM	421	C2'	G A	14	23.327	-17.140	90.081	1.00	0.00	C
ATOM	422	C3'	G A	14	24.539	-16.877	90.959	1.00	0.00	C
ATOM	423	O3'	G A	14	25.264	-15.763	90.440	1.00	0.00	O
ATOM	424	C4'	G A	14	25.329	-18.180	90.848	1.00	0.00	C
ATOM	425	O4'	G A	14	25.068	-18.646	89.486	1.00	0.00	O
ATOM	426	C5'	G A	14	24.949	-19.279	91.814	1.00	0.00	C
ATOM	427	O5'	G A	14	23.517	-19.264	92.034	1.00	0.00	O
ATOM	428	O1P	G A	14	23.303	-18.621	94.457	1.00	0.00	O
ATOM	429	O2P	G A	14	21.517	-20.003	93.364	1.00	0.00	O
ATOM	430	P	G A	14	22.957	-19.664	93.472	1.00	0.00	P
ATOM	431	H1	G A	14	22.135	-20.914	83.904	1.00	0.00	H
ATOM	432	H8	G A	14	21.947	-19.742	90.250	1.00	0.00	H
ATOM	433	H1'	G A	14	24.228	-17.388	88.125	1.00	0.00	H
ATOM	434	H21	G A	14	23.601	-19.603	82.933	1.00	0.00	H
ATOM	435	H3'	G A	14	24.259	-16.673	91.993	1.00	0.00	H
ATOM	436	H22	G A	14	24.569	-18.409	83.839	1.00	0.00	H
ATOM	437	H4'	G A	14	26.375	-17.933	91.020	1.00	0.00	H
ATOM	438	H2'1	G A	14	22.542	-17.658	90.632	1.00	0.00	H
ATOM	439	H2'2	G A	14	22.903	-16.210	89.701	1.00	0.00	H
ATOM	440	H5'1	G A	14	25.252	-20.240	91.400	1.00	0.00	H
ATOM	441	H5'2	G A	14	25.468	-19.117	92.760	1.00	0.00	H
ATOM	442	C1'	A A	15	23.333	-14.829	85.217	1.00	0.00	C
ATOM	443	N1	A A	15	20.016	-18.353	83.510	1.00	0.00	N
ATOM	444	C2	A A	15	20.949	-17.626	82.901	1.00	0.00	C
ATOM	445	N3	A A	15	21.776	-16.735	83.403	1.00	0.00	N
ATOM	446	C4	A A	15	21.569	-16.603	84.726	1.00	0.00	C
ATOM	447	C5	A A	15	20.657	-17.267	85.497	1.00	0.00	C
ATOM	448	C6	A A	15	19.834	-18.199	84.831	1.00	0.00	C
ATOM	449	N6	A A	15	18.894	-18.926	85.458	1.00	0.00	N
ATOM	450	N7	A A	15	20.735	-16.869	86.820	1.00	0.00	N
ATOM	451	C8	A A	15	21.682	-15.977	86.821	1.00	0.00	C
ATOM	452	N9	A A	15	22.237	-15.763	85.584	1.00	0.00	N
ATOM	453	C2'	A A	15	23.289	-13.504	85.967	1.00	0.00	C
ATOM	454	C3'	A A	15	24.766	-13.196	86.156	1.00	0.00	C
ATOM	455	O3'	A A	15	25.261	-12.552	84.985	1.00	0.00	O
ATOM	456	C4'	A A	15	25.379	-14.580	86.357	1.00	0.00	C
ATOM	457	O4'	A A	15	24.561	-15.462	85.522	1.00	0.00	O
ATOM	458	C5'	A A	15	25.380	-15.116	87.768	1.00	0.00	C
ATOM	459	O5'	A A	15	24.163	-14.711	88.447	1.00	0.00	O
ATOM	460	O1P	A A	15	24.992	-13.161	90.249	1.00	0.00	O
ATOM	461	O2P	A A	15	22.853	-14.432	90.572	1.00	0.00	O
ATOM	462	P	A A	15	24.223	-14.400	90.010	1.00	0.00	P
ATOM	463	H2	A A	15	21.043	-17.798	81.827	1.00	0.00	H
ATOM	464	H8	A A	15	22.004	-15.448	87.718	1.00	0.00	H
ATOM	465	H1'	A A	15	23.297	-14.669	84.139	1.00	0.00	H
ATOM	466	H3'	A A	15	24.944	-12.557	87.021	1.00	0.00	H
ATOM	467	H4'	A A	15	26.415	-14.519	86.023	1.00	0.00	H
ATOM	468	H61	A A	15	18.322	-19.596	84.925	1.00	0.00	H
ATOM	469	H62	A A	15	18.747	-18.813	86.472	1.00	0.00	H
ATOM	470	H2'1	A A	15	22.776	-13.589	86.925	1.00	0.00	H
ATOM	471	H2'2	A A	15	22.790	-12.721	85.395	1.00	0.00	H
ATOM	472	H5'1	A A	15	25.438	-16.204	87.739	1.00	0.00	H

ATOM	473	H5'2	A	A	15	26.245	-14.724	88.299	1.00	0.00	H
ATOM	474	C1'	C	A	16	21.334	-13.365	80.914	1.00	0.00	C
ATOM	475	N1	C	A	16	20.463	-13.796	82.040	1.00	0.00	N
ATOM	476	C2	C	A	16	19.489	-14.757	81.781	1.00	0.00	C
ATOM	477	O2	C	A	16	19.388	-15.209	80.634	1.00	0.00	O
ATOM	478	N3	C	A	16	18.685	-15.163	82.794	1.00	0.00	N
ATOM	479	C4	C	A	16	18.819	-14.654	84.024	1.00	0.00	C
ATOM	480	N4	C	A	16	18.008	-15.090	84.979	1.00	0.00	N
ATOM	481	C5	C	A	16	19.809	-13.661	84.320	1.00	0.00	C
ATOM	482	C6	C	A	16	20.612	-13.269	83.287	1.00	0.00	C
ATOM	483	C2'	C	A	16	21.669	-11.880	80.929	1.00	0.00	C
ATOM	484	C3'	C	A	16	23.097	-11.871	80.405	1.00	0.00	C
ATOM	485	O3'	C	A	16	23.073	-11.880	78.980	1.00	0.00	O
ATOM	486	C4'	C	A	16	23.679	-13.160	80.983	1.00	0.00	C
ATOM	487	O4'	C	A	16	22.548	-14.087	81.008	1.00	0.00	O
ATOM	488	C5'	C	A	16	24.260	-13.068	82.375	1.00	0.00	C
ATOM	489	O5'	C	A	16	23.468	-12.157	83.178	1.00	0.00	O
ATOM	490	O1P	C	A	16	25.049	-10.252	83.628	1.00	0.00	O
ATOM	491	O2P	C	A	16	23.201	-10.758	85.248	1.00	0.00	O
ATOM	492	P	C	A	16	24.203	-11.270	84.279	1.00	0.00	P
ATOM	493	H5	C	A	16	19.916	-13.238	85.321	1.00	0.00	H
ATOM	494	H6	C	A	16	21.386	-12.523	83.464	1.00	0.00	H
ATOM	495	H1'	C	A	16	20.848	-13.647	79.979	1.00	0.00	H
ATOM	496	H3'	C	A	16	23.653	-10.998	80.752	1.00	0.00	H
ATOM	497	H4'	C	A	16	24.476	-13.475	80.310	1.00	0.00	H
ATOM	498	H41	C	A	16	18.090	-14.717	85.936	1.00	0.00	H
ATOM	499	H42	C	A	16	17.295	-15.802	84.764	1.00	0.00	H
ATOM	500	H2'1	C	A	16	21.612	-11.452	81.930	1.00	0.00	H
ATOM	501	H2'2	C	A	16	21.006	-11.299	80.286	1.00	0.00	H
ATOM	502	H5'1	C	A	16	24.257	-14.059	82.828	1.00	0.00	H
ATOM	503	H5'2	C	A	16	25.285	-12.706	82.311	1.00	0.00	H
ATOM	504	C1'	G	A	17	17.798	-13.270	77.449	1.00	0.00	C
ATOM	505	N1	G	A	17	14.752	-14.576	81.329	1.00	0.00	N
ATOM	506	C2	G	A	17	14.788	-15.049	80.028	1.00	0.00	C
ATOM	507	N2	G	A	17	13.891	-15.994	79.721	1.00	0.00	N
ATOM	508	N3	G	A	17	15.648	-14.614	79.110	1.00	0.00	N
ATOM	509	C4	G	A	17	16.478	-13.652	79.593	1.00	0.00	C
ATOM	510	C5	G	A	17	16.514	-13.116	80.870	1.00	0.00	C
ATOM	511	C6	G	A	17	15.603	-13.579	81.847	1.00	0.00	C
ATOM	512	O6	G	A	17	15.479	-13.230	83.022	1.00	0.00	O
ATOM	513	N7	G	A	17	17.514	-12.147	80.960	1.00	0.00	N
ATOM	514	C8	G	A	17	18.044	-12.129	79.763	1.00	0.00	C
ATOM	515	N9	G	A	17	17.467	-13.015	78.877	1.00	0.00	N
ATOM	516	C2'	G	A	17	18.178	-12.017	76.673	1.00	0.00	C
ATOM	517	C3'	G	A	17	19.247	-12.539	75.728	1.00	0.00	C
ATOM	518	O3'	G	A	17	18.621	-13.099	74.576	1.00	0.00	O
ATOM	519	C4'	G	A	17	19.958	-13.597	76.571	1.00	0.00	C
ATOM	520	O4'	G	A	17	18.901	-14.156	77.413	1.00	0.00	O
ATOM	521	C5'	G	A	17	21.077	-13.106	77.458	1.00	0.00	C
ATOM	522	O5'	G	A	17	20.744	-11.800	77.991	1.00	0.00	O
ATOM	523	O1P	G	A	17	22.455	-10.288	76.931	1.00	0.00	O
ATOM	524	O2P	G	A	17	21.446	-9.684	79.148	1.00	0.00	O
ATOM	525	P	G	A	17	21.918	-10.747	78.228	1.00	0.00	P
ATOM	526	H1	G	A	17	14.051	-14.983	81.964	1.00	0.00	H

ATOM	527	H8	G A	17	18.870	-11.471	79.490	1.00	0.00	H
ATOM	528	H1'	G A	17	16.949	-13.773	76.987	1.00	0.00	H
ATOM	529	H21	G A	17	13.229	-16.328	80.437	1.00	0.00	H
ATOM	530	H3'	G A	17	19.937	-11.755	75.419	1.00	0.00	H
ATOM	531	H22	G A	17	13.863	-16.386	78.769	1.00	0.00	H
ATOM	532	H4'	G A	17	20.377	-14.324	75.877	1.00	0.00	H
ATOM	533	H2'1	G A	17	18.570	-11.233	77.322	1.00	0.00	H
ATOM	534	H2'2	G A	17	17.333	-11.598	76.125	1.00	0.00	H
ATOM	535	H5'1	G A	17	21.219	-13.813	78.277	1.00	0.00	H
ATOM	536	H5'2	G A	17	21.995	-13.045	76.875	1.00	0.00	H
ATOM	537	C1'	G A	18	13.140	-13.743	75.834	1.00	0.00	C
ATOM	538	N1	G A	18	11.954	-12.709	80.686	1.00	0.00	N
ATOM	539	C2	G A	18	11.418	-13.648	79.823	1.00	0.00	C
ATOM	540	N2	G A	18	10.432	-14.411	80.315	1.00	0.00	N
ATOM	541	N3	G A	18	11.831	-13.811	78.568	1.00	0.00	N
ATOM	542	C4	G A	18	12.827	-12.951	78.235	1.00	0.00	C
ATOM	543	C5	G A	18	13.420	-11.981	79.027	1.00	0.00	C
ATOM	544	C6	G A	18	12.985	-11.809	80.362	1.00	0.00	C
ATOM	545	O6	G A	18	13.383	-11.010	81.211	1.00	0.00	O
ATOM	546	N7	G A	18	14.408	-11.306	78.308	1.00	0.00	N
ATOM	547	C8	G A	18	14.387	-11.876	77.130	1.00	0.00	C
ATOM	548	N9	G A	18	13.452	-12.883	77.008	1.00	0.00	N
ATOM	549	C2'	G A	18	13.213	-13.012	74.501	1.00	0.00	C
ATOM	550	C3'	G A	18	13.762	-14.088	73.579	1.00	0.00	C
ATOM	551	O3'	G A	18	12.686	-14.897	73.111	1.00	0.00	O
ATOM	552	C4'	G A	18	14.713	-14.865	74.489	1.00	0.00	C
ATOM	553	O4'	G A	18	14.085	-14.796	75.808	1.00	0.00	O
ATOM	554	C5'	G A	18	16.122	-14.332	74.595	1.00	0.00	C
ATOM	555	O5'	G A	18	16.104	-12.883	74.565	1.00	0.00	O
ATOM	556	O1P	G A	18	17.276	-12.330	72.407	1.00	0.00	O
ATOM	557	O2P	G A	18	17.321	-10.699	74.311	1.00	0.00	O
ATOM	558	P	G A	18	17.314	-12.114	73.865	1.00	0.00	P
ATOM	559	H1	G A	18	11.566	-12.667	81.642	1.00	0.00	H
ATOM	560	H8	G A	18	15.047	-11.581	76.315	1.00	0.00	H
ATOM	561	H1'	G A	18	12.153	-14.183	75.986	1.00	0.00	H
ATOM	562	H21	G A	18	10.121	-14.279	81.290	1.00	0.00	H
ATOM	563	H3'	G A	18	14.292	-13.665	72.725	1.00	0.00	H
ATOM	564	H22	G A	18	9.990	-15.124	79.722	1.00	0.00	H
ATOM	565	H4'	G A	18	14.769	-15.880	74.096	1.00	0.00	H
ATOM	566	H2'1	G A	18	13.876	-12.148	74.540	1.00	0.00	H
ATOM	567	H2'2	G A	18	12.237	-12.662	74.167	1.00	0.00	H
ATOM	568	H5'1	G A	18	16.564	-14.674	75.531	1.00	0.00	H
ATOM	569	H5'2	G A	18	16.712	-14.710	73.762	1.00	0.00	H
ATOM	570	C1'	T A	19	8.219	-13.759	76.370	1.00	0.00	C
ATOM	571	N1	T A	19	9.019	-12.605	76.859	1.00	0.00	N
ATOM	572	C2	T A	19	8.811	-12.200	78.162	1.00	0.00	C
ATOM	573	O2	T A	19	8.009	-12.746	78.902	1.00	0.00	O
ATOM	574	N3	T A	19	9.574	-11.126	78.575	1.00	0.00	N
ATOM	575	C4	T A	19	10.502	-10.438	77.821	1.00	0.00	C
ATOM	576	O4	T A	19	11.128	-9.485	78.301	1.00	0.00	O
ATOM	577	C5	T A	19	10.652	-10.933	76.473	1.00	0.00	C
ATOM	578	C6	T A	19	9.923	-11.980	76.036	1.00	0.00	C
ATOM	579	C7	T A	19	11.653	-10.216	75.617	1.00	0.00	C
ATOM	580	C2'	T A	19	7.773	-13.626	74.919	1.00	0.00	C

ATOM	581	C3'	T A	19	7.850	-15.063	74.430	1.00	0.00	C
ATOM	582	O3'	T A	19	6.642	-15.739	74.773	1.00	0.00	O
ATOM	583	C4'	T A	19	9.054	-15.616	75.188	1.00	0.00	C
ATOM	584	O4'	T A	19	9.024	-14.918	76.473	1.00	0.00	O
ATOM	585	C5'	T A	19	10.407	-15.399	74.551	1.00	0.00	C
ATOM	586	O5'	T A	19	10.439	-14.103	73.901	1.00	0.00	O
ATOM	587	O1P	T A	19	10.649	-14.680	71.460	1.00	0.00	O
ATOM	588	O2P	T A	19	11.540	-12.495	72.315	1.00	0.00	O
ATOM	589	P	T A	19	11.289	-13.935	72.562	1.00	0.00	P
ATOM	590	H3	T A	19	9.440	-10.806	79.546	1.00	0.00	H
ATOM	591	H6	T A	19	10.053	-12.335	75.015	1.00	0.00	H
ATOM	592	H1'	T A	19	7.362	-13.885	77.032	1.00	0.00	H
ATOM	593	H3'	T A	19	8.003	-15.120	73.353	1.00	0.00	H
ATOM	594	H4'	T A	19	8.901	-16.693	75.284	1.00	0.00	H
ATOM	595	H71	T A	19	11.138	-9.715	74.798	1.00	0.00	H
ATOM	596	H72	T A	19	12.182	-9.476	76.218	1.00	0.00	H
ATOM	597	H73	T A	19	12.368	-10.933	75.211	1.00	0.00	H
ATOM	598	H2'1	T A	19	8.430	-12.975	74.344	1.00	0.00	H
ATOM	599	H2'2	T A	19	6.761	-13.230	74.833	1.00	0.00	H
ATOM	600	H5'1	T A	19	11.177	-15.444	75.321	1.00	0.00	H
ATOM	601	H5'2	T A	19	10.586	-16.182	73.817	1.00	0.00	H
ATOM	602	C01	LNK A	20	3.330	-15.808	73.072	0.00	0.00	C
ATOM	603	O1	LNK A	20	4.676	-15.339	73.185	1.00	0.00	O
ATOM	604	S	LNK A	20	0.113	-15.186	70.811	0.00	0.00	S
ATOM	605	C02	LNK A	20	2.635	-15.091	71.897	0.00	0.00	C
ATOM	606	C03	LNK A	20	1.162	-14.828	72.256	0.00	0.00	C
ATOM	607	O1P	LNK A	20	5.590	-13.347	74.424	1.00	0.00	O
ATOM	608	O2P	LNK A	20	4.137	-15.011	75.617	1.00	0.00	O
ATOM	609	P	LNK A	20	5.172	-14.754	74.584	1.00	0.00	P
ATOM	610	H01	LNK A	20	2.792	-15.597	73.994	0.00	0.00	H
ATOM	611	H02	LNK A	20	3.334	-16.883	72.889	0.00	0.00	H
ATOM	612	H03	LNK A	20	1.037	-13.785	72.545	0.00	0.00	H
ATOM	613	H04	LNK A	20	2.689	-15.718	71.006	0.00	0.00	H
ATOM	614	H05	LNK A	20	3.137	-14.142	71.704	0.00	0.00	H
ATOM	615	H06	LNK A	20	0.869	-15.472	73.086	0.00	0.00	H
ATOM	616	AU	LNK A	20	-0.528	-14.976	70.935			
TER										
ATOM	618	C1'	A B	2	8.043	-9.111	86.232	1.00	0.00	C
ATOM	619	N1	A B	2	9.197	-10.193	81.350	1.00	0.00	N
ATOM	620	C2	A B	2	8.350	-10.742	82.214	1.00	0.00	C
ATOM	621	N3	A B	2	8.098	-10.410	83.464	1.00	0.00	N
ATOM	622	C4	A B	2	8.857	-9.360	83.828	1.00	0.00	C
ATOM	623	C5	A B	2	9.769	-8.687	83.064	1.00	0.00	C
ATOM	624	C6	A B	2	9.939	-9.147	81.741	1.00	0.00	C
ATOM	625	N6	A B	2	10.798	-8.584	80.874	1.00	0.00	N
ATOM	626	N7	A B	2	10.356	-7.658	83.778	1.00	0.00	N
ATOM	627	C8	A B	2	9.797	-7.732	84.949	1.00	0.00	C
ATOM	628	N9	A B	2	8.873	-8.739	85.053	1.00	0.00	N
ATOM	629	C2'	A B	2	8.773	-8.976	87.562	1.00	0.00	C
ATOM	630	C3'	A B	2	7.661	-8.509	88.488	1.00	0.00	C
ATOM	631	O3'	A B	2	6.939	-9.643	88.960	1.00	0.00	O
ATOM	632	C4'	A B	2	6.811	-7.623	87.578	1.00	0.00	C
ATOM	633	O4'	A B	2	6.922	-8.248	86.259	1.00	0.00	O
ATOM	634	C5'	A B	2	7.234	-6.177	87.465	1.00	0.00	C

ATOM	635	O5'	A B	2	8.681	-6.085	87.490	1.00	0.00	O
ATOM	636	H2	A B	2	7.782	-11.590	81.837	1.00	0.00	H
ATOM	637	H8	A B	2	10.039	-7.056	85.770	1.00	0.00	H
ATOM	638	H1'	A B	2	7.682	-10.129	86.087	1.00	0.00	H
ATOM	639	H3'	A B	2	8.046	-7.946	89.338	1.00	0.00	H
ATOM	640	H4'	A B	2	5.797	-7.644	87.974	1.00	0.00	H
ATOM	641	H61	A B	2	10.882	-8.956	79.919	1.00	0.00	H
ATOM	642	H62	A B	2	11.374	-7.780	81.169	1.00	0.00	H
ATOM	643	H2'1	A B	2	9.584	-8.249	87.517	1.00	0.00	H
ATOM	644	H2'2	A B	2	9.198	-9.923	87.898	1.00	0.00	H
ATOM	645	H5'1	A B	2	6.854	-5.766	86.529	1.00	0.00	H
ATOM	646	H5'2	A B	2	6.814	-5.617	88.300	1.00	0.00	H
ATOM	647	C1'	C B	3	8.426	-14.022	85.608	1.00	0.00	C
ATOM	648	N1	C B	3	9.517	-13.116	85.156	1.00	0.00	N
ATOM	649	C2	C B	3	9.979	-13.252	83.849	1.00	0.00	C
ATOM	650	O2	C B	3	9.466	-14.114	83.122	1.00	0.00	O
ATOM	651	N3	C B	3	10.972	-12.439	83.417	1.00	0.00	N
ATOM	652	C4	C B	3	11.507	-11.516	84.227	1.00	0.00	C
ATOM	653	N4	C B	3	12.474	-10.743	83.752	1.00	0.00	N
ATOM	654	C5	C B	3	11.056	-11.355	85.579	1.00	0.00	C
ATOM	655	C6	C B	3	10.051	-12.185	85.992	1.00	0.00	C
ATOM	656	C2'	C B	3	8.571	-14.485	87.052	1.00	0.00	C
ATOM	657	C3'	C B	3	7.124	-14.540	87.515	1.00	0.00	C
ATOM	658	O3'	C B	3	6.558	-15.793	87.136	1.00	0.00	O
ATOM	659	C4'	C B	3	6.485	-13.371	86.769	1.00	0.00	C
ATOM	660	O4'	C B	3	7.206	-13.314	85.497	1.00	0.00	O
ATOM	661	C5'	C B	3	6.576	-12.018	87.437	1.00	0.00	C
ATOM	662	O5'	C B	3	7.853	-11.892	88.111	1.00	0.00	O
ATOM	663	O1P	C B	3	7.218	-11.779	90.545	1.00	0.00	O
ATOM	664	O2P	C B	3	9.334	-10.690	89.749	1.00	0.00	O
ATOM	665	P	C B	3	7.924	-11.056	89.468	1.00	0.00	P
ATOM	666	H5	C B	3	11.493	-10.612	86.246	1.00	0.00	H
ATOM	667	H6	C B	3	9.671	-12.096	87.008	1.00	0.00	H
ATOM	668	H1'	C B	3	8.385	-14.873	84.928	1.00	0.00	H
ATOM	669	H3'	C B	3	7.035	-14.414	88.593	1.00	0.00	H
ATOM	670	H4'	C B	3	5.428	-13.609	86.650	1.00	0.00	H
ATOM	671	H41	C B	3	12.901	-10.023	84.354	1.00	0.00	H
ATOM	672	H42	C B	3	12.798	-10.861	82.781	1.00	0.00	H
ATOM	673	H2'1	C B	3	9.154	-13.789	87.653	1.00	0.00	H
ATOM	674	H2'2	C B	3	9.050	-15.463	87.127	1.00	0.00	H
ATOM	675	H5'1	C B	3	6.481	-11.237	86.681	1.00	0.00	H
ATOM	676	H5'2	C B	3	5.768	-11.919	88.158	1.00	0.00	H
ATOM	677	C1'	C B	4	10.090	-18.111	83.365	1.00	0.00	C
ATOM	678	N1	C B	4	11.037	-17.053	83.806	1.00	0.00	N
ATOM	679	C2	C B	4	11.954	-16.566	82.876	1.00	0.00	C
ATOM	680	O2	C B	4	11.944	-17.032	81.728	1.00	0.00	O
ATOM	681	N3	C B	4	12.826	-15.603	83.257	1.00	0.00	N
ATOM	682	C4	C B	4	12.813	-15.117	84.507	1.00	0.00	C
ATOM	683	N4	C B	4	13.684	-14.172	84.826	1.00	0.00	N
ATOM	684	C5	C B	4	11.885	-15.601	85.486	1.00	0.00	C
ATOM	685	C6	C B	4	11.013	-16.570	85.078	1.00	0.00	C
ATOM	686	C2'	C B	4	9.810	-19.165	84.426	1.00	0.00	C
ATOM	687	C3'	C B	4	8.344	-19.486	84.176	1.00	0.00	C
ATOM	688	O3'	C B	4	8.249	-20.461	83.140	1.00	0.00	O

ATOM	689	C4'	C B	4	7.769	-18.136	83.753	1.00	0.00	C
ATOM	690	O4'	C B	4	8.865	-17.483	83.036	1.00	0.00	O
ATOM	691	C5'	C B	4	7.309	-17.223	84.866	1.00	0.00	C
ATOM	692	O5'	C B	4	8.196	-17.356	86.006	1.00	0.00	O
ATOM	693	O1P	C B	4	6.724	-18.375	87.775	1.00	0.00	O
ATOM	694	O2P	C B	4	8.682	-16.952	88.438	1.00	0.00	O
ATOM	695	P	C B	4	7.587	-17.216	87.472	1.00	0.00	P
ATOM	696	H5	C B	4	11.874	-15.216	86.506	1.00	0.00	H
ATOM	697	H6	C B	4	10.282	-16.964	85.785	1.00	0.00	H
ATOM	698	H1'	C B	4	10.487	-18.567	82.457	1.00	0.00	H
ATOM	699	H3'	C B	4	7.849	-19.861	85.072	1.00	0.00	H
ATOM	700	H4'	C B	4	6.907	-18.343	83.117	1.00	0.00	H
ATOM	701	H41	C B	4	13.694	-13.780	85.778	1.00	0.00	H
ATOM	702	H42	C B	4	14.353	-13.828	84.119	1.00	0.00	H
ATOM	703	H2'1	C B	4	9.965	-18.787	85.437	1.00	0.00	H
ATOM	704	H2'2	C B	4	10.436	-20.050	84.308	1.00	0.00	H
ATOM	705	H5'1	C B	4	7.317	-16.192	84.511	1.00	0.00	H
ATOM	706	H5'2	C B	4	6.295	-17.495	85.156	1.00	0.00	H
ATOM	707	C1'	G B	5	13.322	-20.681	80.630	1.00	0.00	C
ATOM	708	N1	G B	5	16.639	-17.169	82.272	1.00	0.00	N
ATOM	709	C2	G B	5	16.478	-17.720	81.012	1.00	0.00	C
ATOM	710	N2	G B	5	17.314	-17.276	80.065	1.00	0.00	N
ATOM	711	N3	G B	5	15.557	-18.638	80.721	1.00	0.00	N
ATOM	712	C4	G B	5	14.803	-18.973	81.802	1.00	0.00	C
ATOM	713	C5	G B	5	14.895	-18.481	83.093	1.00	0.00	C
ATOM	714	C6	G B	5	15.869	-17.504	83.402	1.00	0.00	C
ATOM	715	O6	G B	5	16.101	-16.954	84.478	1.00	0.00	O
ATOM	716	N7	G B	5	13.937	-19.088	83.908	1.00	0.00	N
ATOM	717	C8	G B	5	13.308	-19.907	83.104	1.00	0.00	C
ATOM	718	N9	G B	5	13.780	-19.894	81.807	1.00	0.00	N
ATOM	719	C2'	G B	5	12.920	-22.110	80.966	1.00	0.00	C
ATOM	720	C3'	G B	5	11.758	-22.346	80.014	1.00	0.00	C
ATOM	721	O3'	G B	5	12.267	-22.755	78.747	1.00	0.00	O
ATOM	722	C4'	G B	5	11.085	-20.976	79.952	1.00	0.00	C
ATOM	723	O4'	G B	5	12.192	-20.028	80.087	1.00	0.00	O
ATOM	724	C5'	G B	5	10.062	-20.681	81.023	1.00	0.00	C
ATOM	725	O5'	G B	5	10.480	-21.273	82.278	1.00	0.00	O
ATOM	726	O1P	G B	5	8.739	-23.039	82.700	1.00	0.00	O
ATOM	727	O2P	G B	5	9.949	-21.985	84.628	1.00	0.00	O
ATOM	728	P	G B	5	9.367	-21.833	83.273	1.00	0.00	P
ATOM	729	H1	G B	5	17.377	-16.460	82.390	1.00	0.00	H
ATOM	730	H8	G B	5	12.486	-20.544	83.429	1.00	0.00	H
ATOM	731	H1'	G B	5	14.111	-20.665	79.879	1.00	0.00	H
ATOM	732	H21	G B	5	18.021	-16.565	80.296	1.00	0.00	H
ATOM	733	H3'	G B	5	11.069	-23.105	80.390	1.00	0.00	H
ATOM	734	H22	G B	5	17.249	-17.649	79.107	1.00	0.00	H
ATOM	735	H4'	G B	5	10.586	-20.912	78.987	1.00	0.00	H
ATOM	736	H2'1	G B	5	12.610	-22.220	82.005	1.00	0.00	H
ATOM	737	H2'2	G B	5	13.728	-22.821	80.790	1.00	0.00	H
ATOM	738	H5'1	G B	5	9.967	-19.601	81.138	1.00	0.00	H
ATOM	739	H5'2	G B	5	9.100	-21.096	80.723	1.00	0.00	H
ATOM	740	C1'	T B	6	17.795	-21.621	78.730	1.00	0.00	C
ATOM	741	N1	T B	6	17.633	-21.407	80.192	1.00	0.00	N
ATOM	742	C2	T B	6	18.465	-20.481	80.790	1.00	0.00	C

ATOM	743	O2	T B	6	19.307	-19.854	80.170	1.00	0.00	O
ATOM	744	N3	T B	6	18.280	-20.313	82.150	1.00	0.00	N
ATOM	745	C4	T B	6	17.365	-20.972	82.943	1.00	0.00	C
ATOM	746	O4	T B	6	17.293	-20.739	84.154	1.00	0.00	O
ATOM	747	C5	T B	6	16.539	-21.917	82.229	1.00	0.00	C
ATOM	748	C6	T B	6	16.691	-22.106	80.903	1.00	0.00	C
ATOM	749	C7	T B	6	15.524	-22.655	83.053	1.00	0.00	C
ATOM	750	C2'	T B	6	17.622	-23.072	78.301	1.00	0.00	C
ATOM	751	C3'	T B	6	16.944	-22.922	76.946	1.00	0.00	C
ATOM	752	O3'	T B	6	17.937	-22.714	75.945	1.00	0.00	O
ATOM	753	C4'	T B	6	16.055	-21.697	77.144	1.00	0.00	C
ATOM	754	O4'	T B	6	16.810	-20.851	78.069	1.00	0.00	O
ATOM	755	C5'	T B	6	14.685	-21.948	77.729	1.00	0.00	C
ATOM	756	O5'	T B	6	14.760	-23.009	78.715	1.00	0.00	O
ATOM	757	O1P	T B	6	13.408	-24.861	77.680	1.00	0.00	O
ATOM	758	O2P	T B	6	13.612	-24.699	80.177	1.00	0.00	O
ATOM	759	P	T B	6	13.519	-23.999	78.874	1.00	0.00	P
ATOM	760	H3	T B	6	18.888	-19.625	82.618	1.00	0.00	H
ATOM	761	H6	T B	6	16.055	-22.827	80.388	1.00	0.00	H
ATOM	762	H1'	T B	6	18.773	-21.240	78.434	1.00	0.00	H
ATOM	763	H3'	T B	6	16.352	-23.801	76.688	1.00	0.00	H
ATOM	764	H4'	T B	6	15.920	-21.242	76.163	1.00	0.00	H
ATOM	765	H71	T B	6	15.776	-23.715	83.074	1.00	0.00	H
ATOM	766	H72	T B	6	15.525	-22.261	84.069	1.00	0.00	H
ATOM	767	H73	T B	6	14.535	-22.526	82.613	1.00	0.00	H
ATOM	768	H2'1	T B	6	17.002	-23.637	78.994	1.00	0.00	H
ATOM	769	H2'2	T B	6	18.575	-23.594	78.210	1.00	0.00	H
ATOM	770	H5'1	T B	6	14.322	-21.033	78.197	1.00	0.00	H
ATOM	771	H5'2	T B	6	14.004	-22.236	76.930	1.00	0.00	H
ATOM	772	C1'	C B	7	22.755	-21.385	78.723	1.00	0.00	C
ATOM	773	N1	C B	7	22.022	-21.871	79.926	1.00	0.00	N
ATOM	774	C2	C B	7	22.332	-21.295	81.157	1.00	0.00	C
ATOM	775	O2	C B	7	23.194	-20.406	81.200	1.00	0.00	O
ATOM	776	N3	C B	7	21.677	-21.722	82.263	1.00	0.00	N
ATOM	777	C4	C B	7	20.749	-22.685	82.184	1.00	0.00	C
ATOM	778	N4	C B	7	20.137	-23.062	83.297	1.00	0.00	N
ATOM	779	C5	C B	7	20.413	-23.300	80.934	1.00	0.00	C
ATOM	780	C6	C B	7	21.083	-22.849	79.831	1.00	0.00	C
ATOM	781	C2'	C B	7	23.094	-22.484	77.727	1.00	0.00	C
ATOM	782	C3'	C B	7	22.944	-21.761	76.397	1.00	0.00	C
ATOM	783	O3'	C B	7	24.155	-21.073	76.098	1.00	0.00	O
ATOM	784	C4'	C B	7	21.785	-20.803	76.660	1.00	0.00	C
ATOM	785	O4'	C B	7	21.928	-20.441	78.070	1.00	0.00	O
ATOM	786	C5'	C B	7	20.393	-21.355	76.443	1.00	0.00	C
ATOM	787	O5'	C B	7	20.349	-22.743	76.854	1.00	0.00	O
ATOM	788	O1P	C B	7	19.939	-23.976	74.698	1.00	0.00	O
ATOM	789	O2P	C B	7	19.174	-24.965	76.873	1.00	0.00	O
ATOM	790	P	C B	7	19.404	-23.751	76.054	1.00	0.00	P
ATOM	791	H5	C B	7	19.665	-24.089	80.865	1.00	0.00	H
ATOM	792	H6	C B	7	20.857	-23.282	78.856	1.00	0.00	H
ATOM	793	H1'	C B	7	23.655	-20.869	79.059	1.00	0.00	H
ATOM	794	H3'	C B	7	22.708	-22.449	75.583	1.00	0.00	H
ATOM	795	H4'	C B	7	21.914	-19.956	75.987	1.00	0.00	H
ATOM	796	H41	C B	7	19.417	-23.799	83.263	1.00	0.00	H

ATOM	797	H42	C B	7	20.381	-22.619	84.196	1.00	0.00	H
ATOM	798	H2'1	C B	7	22.414	-23.331	77.797	1.00	0.00	H
ATOM	799	H2'2	C B	7	24.107	-22.865	77.859	1.00	0.00	H
ATOM	800	H5'1	C B	7	19.683	-20.774	77.029	1.00	0.00	H
ATOM	801	H5'2	C B	7	20.138	-21.275	75.389	1.00	0.00	H
ATOM	802	C1'	C B	8	27.195	-20.960	80.875	1.00	0.00	C
ATOM	803	N1	C B	8	26.213	-21.966	81.362	1.00	0.00	N
ATOM	804	C2	C B	8	25.921	-21.987	82.725	1.00	0.00	C
ATOM	805	O2	C B	8	26.488	-21.176	83.469	1.00	0.00	O
ATOM	806	N3	C B	8	25.028	-22.895	83.188	1.00	0.00	N
ATOM	807	C4	C B	8	24.432	-23.760	82.358	1.00	0.00	C
ATOM	808	N4	C B	8	23.564	-24.624	82.866	1.00	0.00	N
ATOM	809	C5	C B	8	24.714	-23.766	80.952	1.00	0.00	C
ATOM	810	C6	C B	8	25.615	-22.837	80.507	1.00	0.00	C
ATOM	811	C2'	C B	8	28.108	-21.478	79.771	1.00	0.00	C
ATOM	812	C3'	C B	8	28.285	-20.244	78.900	1.00	0.00	C
ATOM	813	O3'	C B	8	29.335	-19.442	79.434	1.00	0.00	O
ATOM	814	C4'	C B	8	26.924	-19.558	79.003	1.00	0.00	C
ATOM	815	O4'	C B	8	26.468	-19.861	80.360	1.00	0.00	O
ATOM	816	C5'	C B	8	25.867	-20.014	78.026	1.00	0.00	C
ATOM	817	O5'	C B	8	25.990	-21.442	77.801	1.00	0.00	O
ATOM	818	O1P	C B	8	26.668	-21.593	75.382	1.00	0.00	O
ATOM	819	O2P	C B	8	25.419	-23.485	76.455	1.00	0.00	O
ATOM	820	P	C B	8	25.647	-22.022	76.357	1.00	0.00	P
ATOM	821	H5	C B	8	24.237	-24.472	80.273	1.00	0.00	H
ATOM	822	H6	C B	8	25.856	-22.797	79.443	1.00	0.00	H
ATOM	823	H1'	C B	8	27.776	-20.609	81.728	1.00	0.00	H
ATOM	824	H3'	C B	8	28.517	-20.503	77.868	1.00	0.00	H
ATOM	825	H4'	C B	8	27.092	-18.494	78.836	1.00	0.00	H
ATOM	826	H41	C B	8	23.089	-25.299	82.248	1.00	0.00	H
ATOM	827	H42	C B	8	23.365	-24.620	83.876	1.00	0.00	H
ATOM	828	H2'1	C B	8	27.657	-22.296	79.212	1.00	0.00	H
ATOM	829	H2'2	C B	8	29.064	-21.832	80.158	1.00	0.00	H
ATOM	830	H5'1	C B	8	24.880	-19.790	78.433	1.00	0.00	H
ATOM	831	H5'2	C B	8	25.995	-19.481	77.085	1.00	0.00	H
ATOM	832	C1'	T B	9	30.368	-21.335	84.655	1.00	0.00	C
ATOM	833	N1	T B	9	29.524	-22.496	84.269	1.00	0.00	N
ATOM	834	C2	T B	9	28.800	-23.109	85.274	1.00	0.00	C
ATOM	835	O2	T B	9	28.835	-22.735	86.431	1.00	0.00	O
ATOM	836	N3	T B	9	28.027	-24.183	84.870	1.00	0.00	N
ATOM	837	C4	T B	9	27.922	-24.685	83.592	1.00	0.00	C
ATOM	838	O4	T B	9	27.197	-25.659	83.353	1.00	0.00	O
ATOM	839	C5	T B	9	28.714	-23.979	82.611	1.00	0.00	C
ATOM	840	C6	T B	9	29.477	-22.927	82.967	1.00	0.00	C
ATOM	841	C7	T B	9	28.626	-24.491	81.205	1.00	0.00	C
ATOM	842	C2'	T B	9	31.700	-21.271	83.915	1.00	0.00	C
ATOM	843	C3'	T B	9	31.895	-19.773	83.741	1.00	0.00	C
ATOM	844	O3'	T B	9	32.491	-19.238	84.920	1.00	0.00	O
ATOM	845	C4'	T B	9	30.470	-19.268	83.531	1.00	0.00	C
ATOM	846	O4'	T B	9	29.648	-20.156	84.353	1.00	0.00	O
ATOM	847	C5'	T B	9	29.947	-19.298	82.114	1.00	0.00	C
ATOM	848	O5'	T B	9	30.452	-20.474	81.431	1.00	0.00	O
ATOM	849	O1P	T B	9	31.949	-19.516	79.650	1.00	0.00	O
ATOM	850	O2P	T B	9	30.849	-21.743	79.300	1.00	0.00	O

ATOM	851	P	T B	9	30.770	-20.377	79.872	1.00	0.00	P
ATOM	852	H3	T B	9	27.476	-24.654	85.600	1.00	0.00	H
ATOM	853	H6	T B	9	30.066	-22.412	82.211	1.00	0.00	H
ATOM	854	H1'	T B	9	30.523	-21.365	85.733	1.00	0.00	H
ATOM	855	H3'	T B	9	32.525	-19.543	82.881	1.00	0.00	H
ATOM	856	H4'	T B	9	30.449	-18.231	83.873	1.00	0.00	H
ATOM	857	H71	T B	9	29.595	-24.891	80.902	1.00	0.00	H
ATOM	858	H72	T B	9	27.874	-25.278	81.150	1.00	0.00	H
ATOM	859	H73	T B	9	28.346	-23.674	80.537	1.00	0.00	H
ATOM	860	H2'1	T B	9	31.663	-21.782	82.954	1.00	0.00	H
ATOM	861	H2'2	T B	9	32.514	-21.714	84.490	1.00	0.00	H
ATOM	862	H5'1	T B	9	28.859	-19.321	82.134	1.00	0.00	H
ATOM	863	H5'2	T B	9	30.277	-18.400	81.593	1.00	0.00	H
ATOM	864	C1'	A B	10	31.962	-23.233	88.954	1.00	0.00	C
ATOM	865	N1	A B	10	29.216	-27.324	87.520	1.00	0.00	N
ATOM	866	C2	A B	10	29.359	-26.702	88.686	1.00	0.00	C
ATOM	867	N3	A B	10	30.084	-25.647	88.987	1.00	0.00	N
ATOM	868	C4	A B	10	30.742	-25.207	87.899	1.00	0.00	C
ATOM	869	C5	A B	10	30.704	-25.731	86.636	1.00	0.00	C
ATOM	870	C6	A B	10	29.883	-26.862	86.452	1.00	0.00	C
ATOM	871	N6	A B	10	29.747	-27.483	85.266	1.00	0.00	N
ATOM	872	N7	A B	10	31.511	-25.011	85.773	1.00	0.00	N
ATOM	873	C8	A B	10	32.018	-24.080	86.525	1.00	0.00	C
ATOM	874	N9	A B	10	31.594	-24.134	87.828	1.00	0.00	N
ATOM	875	C2'	A B	10	33.417	-22.786	88.932	1.00	0.00	C
ATOM	876	C3'	A B	10	33.320	-21.362	89.458	1.00	0.00	C
ATOM	877	O3'	A B	10	33.317	-21.392	90.884	1.00	0.00	O
ATOM	878	C4'	A B	10	31.987	-20.880	88.889	1.00	0.00	C
ATOM	879	O4'	A B	10	31.148	-22.080	88.868	1.00	0.00	O
ATOM	880	C5'	A B	10	32.024	-20.290	87.500	1.00	0.00	C
ATOM	881	O5'	A B	10	32.988	-21.008	86.688	1.00	0.00	O
ATOM	882	O1P	A B	10	34.765	-19.283	86.235	1.00	0.00	O
ATOM	883	O2P	A B	10	34.394	-21.159	84.611	1.00	0.00	O
ATOM	884	P	A B	10	33.813	-20.203	85.585	1.00	0.00	P
ATOM	885	H2	A B	10	28.793	-27.130	89.514	1.00	0.00	H
ATOM	886	H8	A B	10	32.714	-23.327	86.154	1.00	0.00	H
ATOM	887	H1'	A B	10	31.724	-23.742	89.888	1.00	0.00	H
ATOM	888	H3'	A B	10	34.143	-20.742	89.111	1.00	0.00	H
ATOM	889	H4'	A B	10	31.612	-20.113	89.568	1.00	0.00	H
ATOM	890	H61	A B	10	29.133	-28.305	85.186	1.00	0.00	H
ATOM	891	H62	A B	10	30.257	-27.136	84.442	1.00	0.00	H
ATOM	892	H2'1	A B	10	33.841	-22.807	87.927	1.00	0.00	H
ATOM	893	H2'2	A B	10	34.050	-23.402	89.569	1.00	0.00	H
ATOM	894	H5'1	A B	10	31.035	-20.369	87.051	1.00	0.00	H
ATOM	895	H5'2	A B	10	32.307	-19.240	87.563	1.00	0.00	H
ATOM	896	C1'	G B	11	32.286	-26.804	92.388	1.00	0.00	C
ATOM	897	N1	G B	11	31.253	-29.903	88.470	1.00	0.00	N
ATOM	898	C2	G B	11	30.769	-29.919	89.766	1.00	0.00	C
ATOM	899	N2	G B	11	29.895	-30.891	90.057	1.00	0.00	N
ATOM	900	N3	G B	11	31.127	-29.035	90.696	1.00	0.00	N
ATOM	901	C4	G B	11	32.024	-28.128	90.228	1.00	0.00	C
ATOM	902	C5	G B	11	32.565	-28.039	88.957	1.00	0.00	C
ATOM	903	C6	G B	11	32.183	-28.973	87.967	1.00	0.00	C
ATOM	904	O6	G B	11	32.550	-29.056	86.795	1.00	0.00	O

ATOM	905	N7	G B	11	33.453	-26.962	88.885	1.00	0.00	N
ATOM	906	C8	G B	11	33.420	-26.445	90.086	1.00	0.00	C
ATOM	907	N9	G B	11	32.577	-27.100	90.960	1.00	0.00	N
ATOM	908	C2'	G B	11	33.501	-26.336	93.178	1.00	0.00	C
ATOM	909	C3'	G B	11	32.888	-25.320	94.128	1.00	0.00	C
ATOM	910	O3'	G B	11	32.371	-26.000	95.270	1.00	0.00	O
ATOM	911	C4'	G B	11	31.782	-24.685	93.285	1.00	0.00	C
ATOM	912	O4'	G B	11	31.316	-25.775	92.428	1.00	0.00	O
ATOM	913	C5'	G B	11	32.191	-23.523	92.411	1.00	0.00	C
ATOM	914	O5'	G B	11	33.523	-23.746	91.886	1.00	0.00	O
ATOM	915	O1P	G B	11	34.888	-21.933	92.974	1.00	0.00	O
ATOM	916	O2P	G B	11	35.585	-22.867	90.753	1.00	0.00	O
ATOM	917	P	G B	11	34.483	-22.491	91.670	1.00	0.00	P
ATOM	918	H1	G B	11	30.907	-30.628	87.824	1.00	0.00	H
ATOM	919	H8	G B	11	34.011	-25.575	90.372	1.00	0.00	H
ATOM	920	H1'	G B	11	31.846	-27.696	92.839	1.00	0.00	H
ATOM	921	H21	G B	11	29.619	-31.569	89.331	1.00	0.00	H
ATOM	922	H3'	G B	11	33.612	-24.573	94.451	1.00	0.00	H
ATOM	923	H22	G B	11	29.499	-30.960	91.005	1.00	0.00	H
ATOM	924	H4'	G B	11	31.019	-24.331	93.977	1.00	0.00	H
ATOM	925	H2'1	G B	11	34.256	-25.876	92.540	1.00	0.00	H
ATOM	926	H2'2	G B	11	33.980	-27.149	93.720	1.00	0.00	H
ATOM	927	H5'1	G B	11	31.481	-23.429	91.588	1.00	0.00	H
ATOM	928	H5'2	G B	11	32.176	-22.609	93.004	1.00	0.00	H
ATOM	929	C1'	G B	12	32.161	-31.500	93.958	1.00	0.00	C
ATOM	930	N1	G B	12	33.325	-32.556	89.104	1.00	0.00	N
ATOM	931	C2	G B	12	32.426	-33.172	89.957	1.00	0.00	C
ATOM	932	N2	G B	12	31.748	-34.209	89.447	1.00	0.00	N
ATOM	933	N3	G B	12	32.219	-32.784	91.212	1.00	0.00	N
ATOM	934	C4	G B	12	32.997	-31.725	91.561	1.00	0.00	C
ATOM	935	C5	G B	12	33.919	-31.050	90.783	1.00	0.00	C
ATOM	936	C6	G B	12	34.138	-31.458	89.448	1.00	0.00	C
ATOM	937	O6	G B	12	34.908	-30.991	88.608	1.00	0.00	O
ATOM	938	N7	G B	12	34.509	-30.018	91.517	1.00	0.00	N
ATOM	939	C8	G B	12	33.934	-30.097	92.689	1.00	0.00	C
ATOM	940	N9	G B	12	33.004	-31.110	92.795	1.00	0.00	N
ATOM	941	C2'	G B	12	32.874	-31.382	95.297	1.00	0.00	C
ATOM	942	C3'	G B	12	31.750	-30.928	96.216	1.00	0.00	C
ATOM	943	O3'	G B	12	31.026	-32.071	96.668	1.00	0.00	O
ATOM	944	C4'	G B	12	30.908	-30.033	95.308	1.00	0.00	C
ATOM	945	O4'	G B	12	31.038	-30.642	93.983	1.00	0.00	O
ATOM	946	C5'	G B	12	31.328	-28.584	95.217	1.00	0.00	C
ATOM	947	O5'	G B	12	32.773	-28.489	95.261	1.00	0.00	O
ATOM	948	O1P	G B	12	33.214	-27.298	97.434	1.00	0.00	O
ATOM	949	O2P	G B	12	34.852	-27.104	95.543	1.00	0.00	O
ATOM	950	P	G B	12	33.439	-27.229	95.976	1.00	0.00	P
ATOM	951	H1	G B	12	33.405	-32.929	88.146	1.00	0.00	H
ATOM	952	H8	G B	12	34.169	-29.422	93.512	1.00	0.00	H
ATOM	953	H1'	G B	12	31.803	-32.516	93.794	1.00	0.00	H
ATOM	954	H21	G B	12	31.911	-34.501	88.472	1.00	0.00	H
ATOM	955	H3'	G B	12	32.124	-30.374	97.077	1.00	0.00	H
ATOM	956	H22	G B	12	31.066	-34.713	90.031	1.00	0.00	H
ATOM	957	H4'	G B	12	29.890	-30.061	95.691	1.00	0.00	H
ATOM	958	H2'1	G B	12	33.683	-30.652	95.272	1.00	0.00	H

ATOM	959	H2'2	G B	12	33.298	-32.330	95.626	1.00	0.00	H
ATOM	960	H5'1	G B	12	30.960	-28.164	94.283	1.00	0.00	H
ATOM	961	H5'2	G B	12	30.898	-28.035	96.054	1.00	0.00	H
ATOM	962	C1'	T B	13	32.532	-36.402	93.379	1.00	0.00	C
ATOM	963	N1	T B	13	33.623	-35.508	92.907	1.00	0.00	N
ATOM	964	C2	T B	13	34.055	-35.672	91.605	1.00	0.00	C
ATOM	965	O2	T B	13	33.582	-36.509	90.855	1.00	0.00	O
ATOM	966	N3	T B	13	35.069	-34.821	91.207	1.00	0.00	N
ATOM	967	C4	T B	13	35.673	-33.849	91.976	1.00	0.00	C
ATOM	968	O4	T B	13	36.578	-33.145	91.510	1.00	0.00	O
ATOM	969	C5	T B	13	35.155	-33.750	93.321	1.00	0.00	C
ATOM	970	C6	T B	13	34.167	-34.562	93.742	1.00	0.00	C
ATOM	971	C7	T B	13	35.782	-32.703	94.191	1.00	0.00	C
ATOM	972	C2'	T B	13	32.689	-36.848	94.827	1.00	0.00	C
ATOM	973	C3'	T B	13	31.245	-36.891	95.303	1.00	0.00	C
ATOM	974	O3'	T B	13	30.672	-38.147	94.947	1.00	0.00	O
ATOM	975	C4'	T B	13	30.604	-35.728	94.550	1.00	0.00	C
ATOM	976	O4'	T B	13	31.315	-35.691	93.271	1.00	0.00	O
ATOM	977	C5'	T B	13	30.707	-34.367	95.200	1.00	0.00	C
ATOM	978	O5'	T B	13	31.991	-34.238	95.862	1.00	0.00	O
ATOM	979	O1P	T B	13	31.378	-34.094	98.298	1.00	0.00	O
ATOM	980	O2P	T B	13	33.491	-33.024	97.471	1.00	0.00	O
ATOM	981	P	T B	13	32.078	-33.387	97.207	1.00	0.00	P
ATOM	982	H3	T B	13	35.405	-34.923	90.240	1.00	0.00	H
ATOM	983	H6	T B	13	33.793	-34.470	94.761	1.00	0.00	H
ATOM	984	H1'	T B	13	32.480	-37.260	92.710	1.00	0.00	H
ATOM	985	H3'	T B	13	31.167	-36.753	96.382	1.00	0.00	H
ATOM	986	H4'	T B	13	29.545	-35.964	94.443	1.00	0.00	H
ATOM	987	H71	T B	13	36.315	-33.183	95.012	1.00	0.00	H
ATOM	988	H72	T B	13	36.484	-32.110	93.601	1.00	0.00	H
ATOM	989	H73	T B	13	35.006	-32.051	94.595	1.00	0.00	H
ATOM	990	H2'1	T B	13	33.280	-36.147	95.415	1.00	0.00	H
ATOM	991	H2'2	T B	13	33.162	-37.826	94.911	1.00	0.00	H
ATOM	992	H5'1	T B	13	30.607	-33.597	94.435	1.00	0.00	H
ATOM	993	H5'2	T B	13	29.906	-34.257	95.927	1.00	0.00	H
ATOM	994	C1'	G B	14	34.206	-40.490	91.112	1.00	0.00	C
ATOM	995	N1	G B	14	38.059	-37.460	89.696	1.00	0.00	N
ATOM	996	C2	G B	14	37.361	-38.407	88.969	1.00	0.00	C
ATOM	997	N2	G B	14	37.739	-38.569	87.695	1.00	0.00	N
ATOM	998	N3	G B	14	36.362	-39.132	89.472	1.00	0.00	N
ATOM	999	C4	G B	14	36.118	-38.841	90.777	1.00	0.00	C
ATOM	1000	C5	G B	14	36.765	-37.919	91.581	1.00	0.00	C
ATOM	1001	C6	G B	14	37.821	-37.145	91.048	1.00	0.00	C
ATOM	1002	O6	G B	14	38.510	-36.284	91.599	1.00	0.00	O
ATOM	1003	N7	G B	14	36.213	-37.925	92.864	1.00	0.00	N
ATOM	1004	C8	G B	14	35.269	-38.830	92.797	1.00	0.00	C
ATOM	1005	N9	G B	14	35.152	-39.431	91.561	1.00	0.00	N
ATOM	1006	C2'	G B	14	33.920	-41.545	92.173	1.00	0.00	C
ATOM	1007	C3'	G B	14	32.457	-41.865	91.916	1.00	0.00	C
ATOM	1008	O3'	G B	14	32.366	-42.839	90.878	1.00	0.00	O
ATOM	1009	C4'	G B	14	31.883	-40.515	91.492	1.00	0.00	C
ATOM	1010	O4'	G B	14	32.983	-39.863	90.780	1.00	0.00	O
ATOM	1011	C5'	G B	14	31.419	-39.603	92.601	1.00	0.00	C
ATOM	1012	O5'	G B	14	32.300	-39.736	93.745	1.00	0.00	O

ATOM	1013	O1P	G B	14	30.820	-40.756	95.507	1.00	0.00	O
ATOM	1014	O2P	G B	14	32.773	-39.334	96.181	1.00	0.00	O
ATOM	1015	P	G B	14	31.683	-39.596	95.210	1.00	0.00	P
ATOM	1016	H1	G B	14	38.810	-36.946	89.210	1.00	0.00	H
ATOM	1017	H8	G B	14	34.633	-39.086	93.644	1.00	0.00	H
ATOM	1018	H1'	G B	14	34.608	-40.946	90.207	1.00	0.00	H
ATOM	1019	H21	G B	14	38.510	-38.002	87.312	1.00	0.00	H
ATOM	1020	H3'	G B	14	31.957	-42.240	92.809	1.00	0.00	H
ATOM	1021	H22	G B	14	37.261	-39.261	87.101	1.00	0.00	H
ATOM	1022	H4'	G B	14	31.025	-40.723	90.850	1.00	0.00	H
ATOM	1023	H2'1	G B	14	34.072	-41.166	93.184	1.00	0.00	H
ATOM	1024	H2'2	G B	14	34.546	-42.429	92.057	1.00	0.00	H
ATOM	1025	H5'1	G B	14	31.428	-38.573	92.247	1.00	0.00	H
ATOM	1026	H5'2	G B	14	30.402	-39.875	92.886	1.00	0.00	H
ATOM	1027	C1'	C B	15	37.438	-43.060	88.377	1.00	0.00	C
ATOM	1028	N1	C B	15	37.899	-42.270	89.551	1.00	0.00	N
ATOM	1029	C2	C B	15	38.954	-41.379	89.363	1.00	0.00	C
ATOM	1030	O2	C B	15	39.459	-41.282	88.238	1.00	0.00	O
ATOM	1031	N3	C B	15	39.390	-40.650	90.420	1.00	0.00	N
ATOM	1032	C4	C B	15	38.822	-40.779	91.627	1.00	0.00	C
ATOM	1033	N4	C B	15	39.286	-40.038	92.623	1.00	0.00	N
ATOM	1034	C5	C B	15	37.738	-41.692	91.849	1.00	0.00	C
ATOM	1035	C6	C B	15	37.314	-42.411	90.771	1.00	0.00	C
ATOM	1036	C2'	C B	15	37.041	-44.490	88.717	1.00	0.00	C
ATOM	1037	C3'	C B	15	35.874	-44.729	87.771	1.00	0.00	C
ATOM	1038	O3'	C B	15	36.377	-45.140	86.501	1.00	0.00	O
ATOM	1039	C4'	C B	15	35.200	-43.361	87.709	1.00	0.00	C
ATOM	1040	O4'	C B	15	36.303	-42.408	87.838	1.00	0.00	O
ATOM	1041	C5'	C B	15	34.179	-43.065	88.785	1.00	0.00	C
ATOM	1042	O5'	C B	15	34.606	-43.655	90.039	1.00	0.00	O
ATOM	1043	O1P	C B	15	32.868	-45.425	90.471	1.00	0.00	O
ATOM	1044	O2P	C B	15	34.084	-44.364	92.394	1.00	0.00	O
ATOM	1045	P	C B	15	33.498	-44.214	91.040	1.00	0.00	P
ATOM	1046	H5	C B	15	37.279	-41.803	92.831	1.00	0.00	H
ATOM	1047	H6	C B	15	36.488	-43.114	90.889	1.00	0.00	H
ATOM	1048	H1'	C B	15	38.225	-43.042	87.623	1.00	0.00	H
ATOM	1049	H3'	C B	15	35.190	-45.487	88.151	1.00	0.00	H
ATOM	1050	H4'	C B	15	34.693	-43.299	86.746	1.00	0.00	H
ATOM	1051	H41	C B	15	38.865	-40.116	93.560	1.00	0.00	H
ATOM	1052	H42	C B	15	40.066	-39.385	92.460	1.00	0.00	H
ATOM	1053	H2'1	C B	15	36.735	-44.598	89.758	1.00	0.00	H
ATOM	1054	H2'2	C B	15	37.849	-45.199	88.539	1.00	0.00	H
ATOM	1055	H5'1	C B	15	34.083	-41.986	88.900	1.00	0.00	H
ATOM	1056	H5'2	C B	15	33.219	-43.483	88.490	1.00	0.00	H
ATOM	1057	C1'	G B	16	41.923	-43.985	86.493	1.00	0.00	C
ATOM	1058	N1	G B	16	43.549	-41.439	90.603	1.00	0.00	N
ATOM	1059	C2	G B	16	43.981	-41.372	89.289	1.00	0.00	C
ATOM	1060	N2	G B	16	44.978	-40.515	89.038	1.00	0.00	N
ATOM	1061	N3	G B	16	43.456	-42.102	88.306	1.00	0.00	N
ATOM	1062	C4	G B	16	42.462	-42.918	88.742	1.00	0.00	C
ATOM	1063	C5	G B	16	41.971	-43.055	90.030	1.00	0.00	C
ATOM	1064	C6	G B	16	42.524	-42.278	91.074	1.00	0.00	C
ATOM	1065	O6	G B	16	42.225	-42.258	92.269	1.00	0.00	O
ATOM	1066	N7	G B	16	40.947	-44.005	90.059	1.00	0.00	N

ATOM	1067	C8	G B	16	40.852	-44.404	88.816	1.00	0.00	C
ATOM	1068	N9	G B	16	41.739	-43.790	87.956	1.00	0.00	N
ATOM	1069	C2'	G B	16	41.760	-45.429	86.041	1.00	0.00	C
ATOM	1070	C3'	G B	16	41.101	-45.266	84.681	1.00	0.00	C
ATOM	1071	O3'	G B	16	42.107	-45.039	83.697	1.00	0.00	O
ATOM	1072	C4'	G B	16	40.205	-44.044	84.883	1.00	0.00	C
ATOM	1073	O4'	G B	16	40.946	-43.208	85.829	1.00	0.00	O
ATOM	1074	C5'	G B	16	38.829	-44.307	85.445	1.00	0.00	C
ATOM	1075	O5'	G B	16	38.892	-45.378	86.418	1.00	0.00	O
ATOM	1076	O1P	G B	16	37.559	-47.222	85.342	1.00	0.00	O
ATOM	1077	O2P	G B	16	37.728	-47.091	87.841	1.00	0.00	O
ATOM	1078	P	G B	16	37.652	-46.375	86.544	1.00	0.00	P
ATOM	1079	H1	G B	16	44.017	-40.825	91.286	1.00	0.00	H
ATOM	1080	H8	G B	16	40.132	-45.153	88.488	1.00	0.00	H
ATOM	1081	H1'	G B	16	42.903	-43.597	86.217	1.00	0.00	H
ATOM	1082	H21	G B	16	45.375	-39.950	89.802	1.00	0.00	H
ATOM	1083	H3'	G B	16	40.514	-46.140	84.403	1.00	0.00	H
ATOM	1084	H22	G B	16	45.343	-40.420	88.080	1.00	0.00	H
ATOM	1085	H4'	G B	16	40.083	-43.576	83.906	1.00	0.00	H
ATOM	1086	H2'1	G B	16	41.132	-46.007	86.720	1.00	0.00	H
ATOM	1087	H2'2	G B	16	42.716	-45.948	85.960	1.00	0.00	H
ATOM	1088	H5'1	G B	16	38.458	-43.399	85.921	1.00	0.00	H
ATOM	1089	H5'2	G B	16	38.159	-44.585	84.633	1.00	0.00	H
ATOM	1090	C1'	G B	17	46.871	-43.765	86.474	1.00	0.00	C
ATOM	1091	N1	G B	17	46.301	-43.261	91.518	1.00	0.00	N
ATOM	1092	C2	G B	17	47.146	-42.595	90.648	1.00	0.00	C
ATOM	1093	N2	G B	17	47.946	-41.672	91.197	1.00	0.00	N
ATOM	1094	N3	G B	17	47.188	-42.828	89.339	1.00	0.00	N
ATOM	1095	C4	G B	17	46.315	-43.799	88.959	1.00	0.00	C
ATOM	1096	C5	G B	17	45.439	-44.518	89.753	1.00	0.00	C
ATOM	1097	C6	G B	17	45.391	-44.269	91.144	1.00	0.00	C
ATOM	1098	O6	G B	17	44.688	-44.799	92.004	1.00	0.00	O
ATOM	1099	N7	G B	17	44.715	-45.424	88.975	1.00	0.00	N
ATOM	1100	C8	G B	17	45.162	-45.228	87.762	1.00	0.00	C
ATOM	1101	N9	G B	17	46.136	-44.256	87.672	1.00	0.00	N
ATOM	1102	C2'	G B	17	47.208	-44.860	85.471	1.00	0.00	C
ATOM	1103	C3'	G B	17	47.062	-44.133	84.144	1.00	0.00	C
ATOM	1104	O3'	G B	17	48.276	-43.445	83.849	1.00	0.00	O
ATOM	1105	C4'	G B	17	45.904	-43.173	84.410	1.00	0.00	C
ATOM	1106	O4'	G B	17	46.048	-42.817	85.822	1.00	0.00	O
ATOM	1107	C5'	G B	17	44.514	-43.720	84.188	1.00	0.00	C
ATOM	1108	O5'	G B	17	44.463	-45.111	84.594	1.00	0.00	O
ATOM	1109	O1P	G B	17	44.056	-46.333	82.432	1.00	0.00	O
ATOM	1110	O2P	G B	17	43.285	-47.330	84.601	1.00	0.00	O
ATOM	1111	P	G B	17	43.518	-46.111	83.788	1.00	0.00	P
ATOM	1112	H1	G B	17	46.343	-43.002	92.515	1.00	0.00	H
ATOM	1113	H8	G B	17	44.797	-45.782	86.898	1.00	0.00	H
ATOM	1114	H1'	G B	17	47.770	-43.253	86.811	1.00	0.00	H
ATOM	1115	H21	G B	17	47.906	-41.493	92.210	1.00	0.00	H
ATOM	1116	H3'	G B	17	46.825	-44.815	83.328	1.00	0.00	H
ATOM	1117	H22	G B	17	48.600	-41.142	90.604	1.00	0.00	H
ATOM	1118	H4'	G B	17	46.036	-42.323	83.741	1.00	0.00	H
ATOM	1119	H2'1	G B	17	46.527	-45.707	85.537	1.00	0.00	H
ATOM	1120	H2'2	G B	17	48.220	-45.244	85.604	1.00	0.00	H

ATOM	1121	H5 '1	G B	17	43.802	-43.139	84.776	1.00	0.00	H
ATOM	1122	H5 '2	G B	17	44.259	-43.635	83.132	1.00	0.00	H
ATOM	1123	C1 '	C B	18	51.311	-43.339	88.624	1.00	0.00	C
ATOM	1124	N1	C B	18	50.328	-44.345	89.110	1.00	0.00	N
ATOM	1125	C2	C B	18	50.037	-44.366	90.473	1.00	0.00	C
ATOM	1126	O2	C B	18	50.604	-43.555	91.217	1.00	0.00	O
ATOM	1127	N3	C B	18	49.144	-45.274	90.936	1.00	0.00	N
ATOM	1128	C4	C B	18	48.549	-46.138	90.104	1.00	0.00	C
ATOM	1129	N4	C B	18	47.683	-47.004	90.612	1.00	0.00	N
ATOM	1130	C5	C B	18	48.830	-46.140	88.700	1.00	0.00	C
ATOM	1131	C6	C B	18	49.729	-45.216	88.256	1.00	0.00	C
ATOM	1132	C2 '	C B	18	52.224	-43.858	87.520	1.00	0.00	C
ATOM	1133	C3 '	C B	18	52.401	-42.623	86.648	1.00	0.00	C
ATOM	1134	O3 '	C B	18	53.450	-41.820	87.182	1.00	0.00	O
ATOM	1135	C4 '	C B	18	51.040	-41.937	86.752	1.00	0.00	C
ATOM	1136	O4 '	C B	18	50.584	-42.239	88.109	1.00	0.00	O
ATOM	1137	C5 '	C B	18	49.983	-42.393	85.775	1.00	0.00	C
ATOM	1138	O5 '	C B	18	50.106	-43.821	85.549	1.00	0.00	O
ATOM	1139	O1P	C B	18	50.783	-43.973	83.129	1.00	0.00	O
ATOM	1140	O2P	C B	18	49.534	-45.865	84.204	1.00	0.00	O
ATOM	1141	P	C B	18	49.762	-44.403	84.105	1.00	0.00	P
ATOM	1142	H5	C B	18	48.351	-46.845	88.021	1.00	0.00	H
ATOM	1143	H6	C B	18	49.973	-45.177	87.196	1.00	0.00	H
ATOM	1144	H1 '	C B	18	51.891	-42.988	89.477	1.00	0.00	H
ATOM	1145	H3 '	C B	18	52.634	-42.883	85.617	1.00	0.00	H
ATOM	1146	H4 '	C B	18	51.208	-40.873	86.585	1.00	0.00	H
ATOM	1147	H41	C B	18	47.208	-47.679	89.994	1.00	0.00	H
ATOM	1148	H42	C B	18	47.482	-47.000	91.621	1.00	0.00	H
ATOM	1149	H2 '1	C B	18	51.774	-44.676	86.961	1.00	0.00	H
ATOM	1150	H2 '2	C B	18	53.179	-44.212	87.907	1.00	0.00	H
ATOM	1151	H5 '1	C B	18	48.996	-42.171	86.182	1.00	0.00	H
ATOM	1152	H5 '2	C B	18	50.111	-41.860	84.834	1.00	0.00	H
ATOM	1153	C1 '	C B	19	54.472	-43.726	92.417	1.00	0.00	C
ATOM	1154	N1	C B	19	53.631	-44.885	92.010	1.00	0.00	N
ATOM	1155	C2	C B	19	52.884	-45.528	92.995	1.00	0.00	C
ATOM	1156	O2	C B	19	52.949	-45.113	94.159	1.00	0.00	O
ATOM	1157	N3	C B	19	52.114	-46.585	92.645	1.00	0.00	N
ATOM	1158	C4	C B	19	52.066	-47.012	91.375	1.00	0.00	C
ATOM	1159	N4	C B	19	51.297	-48.049	91.089	1.00	0.00	N
ATOM	1160	C5	C B	19	52.824	-46.369	90.345	1.00	0.00	C
ATOM	1161	C6	C B	19	53.592	-45.307	90.720	1.00	0.00	C
ATOM	1162	C2 '	C B	19	55.808	-43.654	91.695	1.00	0.00	C
ATOM	1163	C3 '	C B	19	56.003	-42.152	91.537	1.00	0.00	C
ATOM	1164	O3 '	C B	19	56.584	-41.628	92.729	1.00	0.00	O
ATOM	1165	C4 '	C B	19	54.580	-41.646	91.317	1.00	0.00	C
ATOM	1166	O4 '	C B	19	53.749	-42.546	92.119	1.00	0.00	O
ATOM	1167	C5 '	C B	19	54.072	-41.665	89.893	1.00	0.00	C
ATOM	1168	O5 '	C B	19	54.587	-42.831	89.204	1.00	0.00	O
ATOM	1169	O1P	C B	19	56.102	-41.852	87.451	1.00	0.00	O
ATOM	1170	O2P	C B	19	55.011	-44.078	87.065	1.00	0.00	O
ATOM	1171	P	C B	19	54.923	-42.718	87.650	1.00	0.00	P
ATOM	1172	H5	C B	19	52.791	-46.714	89.312	1.00	0.00	H
ATOM	1173	H6	C B	19	54.186	-44.787	89.968	1.00	0.00	H
ATOM	1174	H1 '	C B	19	54.611	-43.770	93.498	1.00	0.00	H

ATOM	1175	H3'	C B	19	56.642	-41.912	90.687	1.00	0.00	H
ATOM	1176	H4'	C B	19	54.552	-40.615	91.667	1.00	0.00	H
ATOM	1177	H41	C B	19	51.239	-48.397	90.120	1.00	0.00	H
ATOM	1178	H42	C B	19	50.751	-48.510	91.834	1.00	0.00	H
ATOM	1179	H2'1	C B	19	55.785	-44.153	90.728	1.00	0.00	H
ATOM	1180	H2'2	C B	19	56.617	-44.100	92.276	1.00	0.00	H
ATOM	1181	H5'1	C B	19	52.984	-41.690	89.902	1.00	0.00	H
ATOM	1182	H5'2	C B	19	54.406	-40.761	89.386	1.00	0.00	H
ATOM	1183	C1'	T B	20	56.078	-45.613	96.702	1.00	0.00	C
ATOM	1184	N1	T B	20	55.711	-46.515	95.578	1.00	0.00	N
ATOM	1185	C2	T B	20	54.834	-47.544	95.855	1.00	0.00	C
ATOM	1186	O2	T B	20	54.364	-47.729	96.965	1.00	0.00	O
ATOM	1187	N3	T B	20	54.522	-48.356	94.783	1.00	0.00	N
ATOM	1188	C4	T B	20	54.995	-48.235	93.495	1.00	0.00	C
ATOM	1189	O4	T B	20	54.642	-49.030	92.613	1.00	0.00	O
ATOM	1190	C5	T B	20	55.905	-47.131	93.300	1.00	0.00	C
ATOM	1191	C6	T B	20	56.232	-46.319	94.322	1.00	0.00	C
ATOM	1192	C7	T B	20	56.444	-46.962	91.911	1.00	0.00	C
ATOM	1193	C2'	T B	20	57.535	-45.167	96.680	1.00	0.00	C
ATOM	1194	C3'	T B	20	57.438	-43.742	97.204	1.00	0.00	C
ATOM	1195	O3'	T B	20	57.435	-43.766	98.629	1.00	0.00	O
ATOM	1196	C4'	T B	20	56.107	-43.259	96.631	1.00	0.00	C
ATOM	1197	O4'	T B	20	55.267	-44.458	96.610	1.00	0.00	O
ATOM	1198	C5'	T B	20	56.147	-42.674	95.239	1.00	0.00	C
ATOM	1199	O5'	T B	20	57.114	-43.396	94.431	1.00	0.00	O
ATOM	1200	O1P	T B	20	58.892	-41.676	93.977	1.00	0.00	O
ATOM	1201	O2P	T B	20	58.521	-43.557	92.358	1.00	0.00	O
ATOM	1202	P	T B	20	57.939	-42.597	93.326	1.00	0.00	P
ATOM	1203	H3	T B	20	53.868	-49.131	94.964	1.00	0.00	H
ATOM	1204	H6	T B	20	56.921	-45.491	94.152	1.00	0.00	H
ATOM	1205	H1'	T B	20	55.839	-46.117	97.637	1.00	0.00	H
ATOM	1206	H3'	T B	20	58.264	-43.123	96.855	1.00	0.00	H
ATOM	1207	H4'	T B	20	55.733	-42.487	97.305	1.00	0.00	H
ATOM	1208	H3T	T B	20	58.161	-44.247	99.030	1.00	0.00	H
ATOM	1209	H71	T B	20	57.520	-47.141	91.915	1.00	0.00	H
ATOM	1210	H72	T B	20	55.958	-47.674	91.242	1.00	0.00	H
ATOM	1211	H73	T B	20	56.245	-45.947	91.565	1.00	0.00	H
ATOM	1212	H2'1	T B	20	57.960	-45.193	95.678	1.00	0.00	H
ATOM	1213	H2'2	T B	20	58.166	-45.783	97.321	1.00	0.00	H
ATOM	1214	H5'1	T B	20	55.158	-42.752	94.787	1.00	0.00	H
ATOM	1215	H5'2	T B	20	56.431	-41.625	95.301	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	62.669	-14.085	97.510	1.00	0.00	C
ATOM	2	N1	A A	1	64.365	-13.366	92.722	1.00	0.00	N
ATOM	3	C2	A A	1	64.136	-12.529	93.729	1.00	0.00	C
ATOM	4	N3	A A	1	63.699	-12.782	94.944	1.00	0.00	N
ATOM	5	C4	A A	1	63.477	-14.099	95.093	1.00	0.00	C
ATOM	6	C5	A A	1	63.660	-15.085	94.164	1.00	0.00	C
ATOM	7	C6	A A	1	64.136	-14.675	92.901	1.00	0.00	C
ATOM	8	N6	A A	1	64.364	-15.531	91.890	1.00	0.00	N
ATOM	9	N7	A A	1	63.326	-16.325	94.679	1.00	0.00	N
ATOM	10	C8	A A	1	62.950	-16.067	95.897	1.00	0.00	C
ATOM	11	N9	A A	1	63.016	-14.737	96.220	1.00	0.00	N
ATOM	12	C2'	A A	1	61.457	-14.696	98.201	1.00	0.00	C

ATOM	13	C3'	A A	1	61.836	-14.582	99.667	1.00	0.00	C
ATOM	14	O3'	A A	1	61.489	-13.283	100.141	1.00	0.00	O
ATOM	15	C4'	A A	1	63.347	-14.804	99.648	1.00	0.00	C
ATOM	16	O4'	A A	1	63.780	-14.224	98.376	1.00	0.00	O
ATOM	17	C5'	A A	1	63.815	-16.240	99.707	1.00	0.00	C
ATOM	18	O5'	A A	1	62.905	-17.084	98.957	1.00	0.00	O
ATOM	19	H2	A A	1	64.338	-11.478	93.517	1.00	0.00	H
ATOM	20	H8	A A	1	62.614	-16.834	96.594	1.00	0.00	H
ATOM	21	H1'	A A	1	62.518	-13.021	97.327	1.00	0.00	H
ATOM	22	H3'	A A	1	61.336	-15.334	100.280	1.00	0.00	H
ATOM	23	H4'	A A	1	63.755	-14.286	100.515	1.00	0.00	H
ATOM	24	H61	A A	1	64.711	-15.181	90.988	1.00	0.00	H
ATOM	25	H62	A A	1	64.188	-16.538	92.021	1.00	0.00	H
ATOM	26	H5T	A A	1	62.746	-17.978	99.264	1.00	0.00	H
ATOM	27	H2'1	A A	1	61.296	-15.734	97.912	1.00	0.00	H
ATOM	28	H2'2	A A	1	60.539	-14.149	97.985	1.00	0.00	H
ATOM	29	H5'1	A A	1	64.815	-16.307	99.282	1.00	0.00	H
ATOM	30	H5'2	A A	1	63.844	-16.564	100.746	1.00	0.00	H
ATOM	31	C1'	G A	2	60.505	-10.092	95.504	1.00	0.00	C
ATOM	32	N1	G A	2	61.500	-12.449	91.092	1.00	0.00	N
ATOM	33	C2	G A	2	61.636	-11.118	91.435	1.00	0.00	C
ATOM	34	N2	G A	2	62.096	-10.306	90.477	1.00	0.00	N
ATOM	35	N3	G A	2	61.337	-10.634	92.640	1.00	0.00	N
ATOM	36	C4	G A	2	60.880	-11.597	93.484	1.00	0.00	C
ATOM	37	C5	G A	2	60.709	-12.947	93.227	1.00	0.00	C
ATOM	38	C6	G A	2	61.030	-13.461	91.949	1.00	0.00	C
ATOM	39	O6	G A	2	60.950	-14.617	91.535	1.00	0.00	O
ATOM	40	N7	G A	2	60.215	-13.595	94.363	1.00	0.00	N
ATOM	41	C8	G A	2	60.108	-12.640	95.250	1.00	0.00	C
ATOM	42	N9	G A	2	60.492	-11.397	94.790	1.00	0.00	N
ATOM	43	C2'	G A	2	59.328	-9.896	96.449	1.00	0.00	C
ATOM	44	C3'	G A	2	59.962	-9.121	97.592	1.00	0.00	C
ATOM	45	O3'	G A	2	59.971	-7.732	97.267	1.00	0.00	O
ATOM	46	C4'	G A	2	61.371	-9.707	97.660	1.00	0.00	C
ATOM	47	O4'	G A	2	61.693	-10.031	96.271	1.00	0.00	O
ATOM	48	C5'	G A	2	61.539	-10.950	98.500	1.00	0.00	C
ATOM	49	O5'	G A	2	60.365	-11.792	98.373	1.00	0.00	O
ATOM	50	O1P	G A	2	59.365	-11.748	100.681	1.00	0.00	O
ATOM	51	O2P	G A	2	58.979	-13.724	99.184	1.00	0.00	O
ATOM	52	P	G A	2	59.891	-12.644	99.635	1.00	0.00	P
ATOM	53	H1	G A	2	61.762	-12.721	90.134	1.00	0.00	H
ATOM	54	H8	G A	2	59.746	-12.811	96.263	1.00	0.00	H
ATOM	55	H1'	G A	2	60.546	-9.297	94.761	1.00	0.00	H
ATOM	56	H21	G A	2	62.326	-10.686	89.548	1.00	0.00	H
ATOM	57	H3'	G A	2	59.428	-9.268	98.531	1.00	0.00	H
ATOM	58	H22	G A	2	62.219	-9.301	90.670	1.00	0.00	H
ATOM	59	H4'	G A	2	62.015	-8.934	98.077	1.00	0.00	H
ATOM	60	H2'1	G A	2	58.913	-10.843	96.794	1.00	0.00	H
ATOM	61	H2'2	G A	2	58.516	-9.332	95.987	1.00	0.00	H
ATOM	62	H5'1	G A	2	62.420	-11.496	98.160	1.00	0.00	H
ATOM	63	H5'2	G A	2	61.677	-10.664	99.541	1.00	0.00	H
ATOM	64	C1'	G A	3	58.878	-7.332	91.728	1.00	0.00	C
ATOM	65	N1	G A	3	58.658	-11.808	89.291	1.00	0.00	N
ATOM	66	C2	G A	3	59.110	-10.579	88.849	1.00	0.00	C

ATOM	67	N2	G A	3	59.560	-10.535	87.589	1.00	0.00	N
ATOM	68	N3	G A	3	59.112	-9.482	89.602	1.00	0.00	N
ATOM	69	C4	G A	3	58.614	-9.708	90.847	1.00	0.00	C
ATOM	70	C5	G A	3	58.140	-10.897	91.374	1.00	0.00	C
ATOM	71	C6	G A	3	58.141	-12.064	90.574	1.00	0.00	C
ATOM	72	O6	G A	3	57.765	-13.202	90.860	1.00	0.00	O
ATOM	73	N7	G A	3	57.716	-10.707	92.690	1.00	0.00	N
ATOM	74	C8	G A	3	57.945	-9.440	92.916	1.00	0.00	C
ATOM	75	N9	G A	3	58.490	-8.764	91.843	1.00	0.00	N
ATOM	76	C2'	G A	3	57.931	-6.379	92.444	1.00	0.00	C
ATOM	77	C3'	G A	3	58.883	-5.314	92.961	1.00	0.00	C
ATOM	78	O3'	G A	3	59.115	-4.356	91.931	1.00	0.00	O
ATOM	79	C4'	G A	3	60.140	-6.114	93.298	1.00	0.00	C
ATOM	80	O4'	G A	3	60.163	-7.185	92.304	1.00	0.00	O
ATOM	81	C5'	G A	3	60.190	-6.732	94.676	1.00	0.00	C
ATOM	82	O5'	G A	3	58.867	-7.182	95.061	1.00	0.00	O
ATOM	83	O1P	G A	3	58.282	-5.686	97.000	1.00	0.00	O
ATOM	84	O2P	G A	3	57.274	-7.977	96.834	1.00	0.00	O
ATOM	85	P	G A	3	58.444	-7.097	96.597	1.00	0.00	P
ATOM	86	H1	G A	3	58.703	-12.597	88.629	1.00	0.00	H
ATOM	87	H8	G A	3	57.725	-8.957	93.868	1.00	0.00	H
ATOM	88	H1'	G A	3	58.956	-7.082	90.669	1.00	0.00	H
ATOM	89	H21	G A	3	59.559	-11.389	87.012	1.00	0.00	H
ATOM	90	H3'	G A	3	58.490	-4.807	93.843	1.00	0.00	H
ATOM	91	H22	G A	3	59.909	-9.649	87.199	1.00	0.00	H
ATOM	92	H4'	G A	3	60.983	-5.431	93.209	1.00	0.00	H
ATOM	93	H2'1	G A	3	57.398	-6.865	93.261	1.00	0.00	H
ATOM	94	H2'2	G A	3	57.185	-5.955	91.773	1.00	0.00	H
ATOM	95	H5'1	G A	3	60.878	-7.575	94.665	1.00	0.00	H
ATOM	96	H5'2	G A	3	60.548	-5.989	95.388	1.00	0.00	H
ATOM	97	C1'	C A	4	57.245	-6.643	87.103	1.00	0.00	C
ATOM	98	N1	C A	4	56.604	-7.655	87.988	1.00	0.00	N
ATOM	99	C2	C A	4	56.455	-8.949	87.496	1.00	0.00	C
ATOM	100	O2	C A	4	56.855	-9.204	86.353	1.00	0.00	O
ATOM	101	N3	C A	4	55.873	-9.884	88.286	1.00	0.00	N
ATOM	102	C4	C A	4	55.448	-9.577	89.519	1.00	0.00	C
ATOM	103	N4	C A	4	54.890	-10.531	90.249	1.00	0.00	N
ATOM	104	C5	C A	4	55.589	-8.253	90.048	1.00	0.00	C
ATOM	105	C6	C A	4	56.178	-7.329	89.237	1.00	0.00	C
ATOM	106	C2'	C A	4	56.629	-5.256	87.211	1.00	0.00	C
ATOM	107	C3'	C A	4	57.844	-4.355	87.041	1.00	0.00	C
ATOM	108	O3'	C A	4	58.096	-4.168	85.649	1.00	0.00	O
ATOM	109	C4'	C A	4	58.954	-5.148	87.727	1.00	0.00	C
ATOM	110	O4'	C A	4	58.608	-6.547	87.476	1.00	0.00	O
ATOM	111	C5'	C A	4	59.097	-4.947	89.217	1.00	0.00	C
ATOM	112	O5'	C A	4	57.788	-4.782	89.819	1.00	0.00	O
ATOM	113	O1P	C A	4	57.823	-2.405	90.646	1.00	0.00	O
ATOM	114	O2P	C A	4	56.367	-4.106	91.778	1.00	0.00	O
ATOM	115	P	C A	4	57.637	-3.806	91.071	1.00	0.00	P
ATOM	116	H5	C A	4	55.239	-7.997	91.049	1.00	0.00	H
ATOM	117	H6	C A	4	56.311	-6.309	89.598	1.00	0.00	H
ATOM	118	H1'	C A	4	57.203	-7.011	86.080	1.00	0.00	H
ATOM	119	H3'	C A	4	57.701	-3.384	87.514	1.00	0.00	H
ATOM	120	H4'	C A	4	59.891	-4.850	87.259	1.00	0.00	H

ATOM	121	H41	C	A	4	54.556	-10.321	91.201	1.00	0.00	H
ATOM	122	H42	C	A	4	54.789	-11.482	89.865	1.00	0.00	H
ATOM	123	H2'1	C	A	4	56.146	-5.089	88.173	1.00	0.00	H
ATOM	124	H2'2	C	A	4	55.886	-5.071	86.434	1.00	0.00	H
ATOM	125	H5'1	C	A	4	59.594	-5.816	89.651	1.00	0.00	H
ATOM	126	H5'2	C	A	4	59.702	-4.059	89.402	1.00	0.00	H
ATOM	127	C1'	C	A	5	55.057	-8.080	82.900	1.00	0.00	C
ATOM	128	N1	C	A	5	54.378	-8.277	84.210	1.00	0.00	N
ATOM	129	C2	C	A	5	53.896	-9.549	84.509	1.00	0.00	C
ATOM	130	O2	C	A	5	54.048	-10.458	83.680	1.00	0.00	O
ATOM	131	N3	C	A	5	53.276	-9.751	85.698	1.00	0.00	N
ATOM	132	C4	C	A	5	53.125	-8.749	86.573	1.00	0.00	C
ATOM	133	N4	C	A	5	52.515	-9.003	87.721	1.00	0.00	N
ATOM	134	C5	C	A	5	53.610	-7.430	86.291	1.00	0.00	C
ATOM	135	C6	C	A	5	54.233	-7.253	85.090	1.00	0.00	C
ATOM	136	C2'	C	A	5	54.755	-6.738	82.249	1.00	0.00	C
ATOM	137	C3'	C	A	5	56.081	-6.404	81.581	1.00	0.00	C
ATOM	138	O3'	C	A	5	56.137	-7.042	80.309	1.00	0.00	O
ATOM	139	C4'	C	A	5	57.106	-6.972	82.559	1.00	0.00	C
ATOM	140	O4'	C	A	5	56.453	-8.155	83.122	1.00	0.00	O
ATOM	141	C5'	C	A	5	57.525	-6.067	83.694	1.00	0.00	C
ATOM	142	O5'	C	A	5	56.389	-5.286	84.144	1.00	0.00	O
ATOM	143	O1P	C	A	5	57.031	-2.928	83.538	1.00	0.00	O
ATOM	144	O2P	C	A	5	55.468	-3.352	85.456	1.00	0.00	O
ATOM	145	P	C	A	5	56.640	-3.798	84.664	1.00	0.00	P
ATOM	146	H5	C	A	5	53.484	-6.611	86.999	1.00	0.00	H
ATOM	147	H6	C	A	5	54.622	-6.268	84.833	1.00	0.00	H
ATOM	148	H1'	C	A	5	54.776	-8.904	82.243	1.00	0.00	H
ATOM	149	H3'	C	A	5	56.213	-5.328	81.452	1.00	0.00	H
ATOM	150	H4'	C	A	5	57.997	-7.213	81.978	1.00	0.00	H
ATOM	151	H41	C	A	5	52.386	-8.250	88.413	1.00	0.00	H
ATOM	152	H42	C	A	5	52.166	-9.952	87.921	1.00	0.00	H
ATOM	153	H2'1	C	A	5	54.476	-5.977	82.978	1.00	0.00	H
ATOM	154	H2'2	C	A	5	53.948	-6.804	81.519	1.00	0.00	H
ATOM	155	H5'1	C	A	5	57.902	-6.676	84.517	1.00	0.00	H
ATOM	156	H5'2	C	A	5	58.317	-5.403	83.348	1.00	0.00	H
ATOM	157	C1'	G	A	6	51.976	-10.886	80.225	1.00	0.00	C
ATOM	158	N1	G	A	6	49.526	-11.438	84.666	1.00	0.00	N
ATOM	159	C2	G	A	6	49.821	-12.376	83.691	1.00	0.00	C
ATOM	160	N2	G	A	6	49.405	-13.625	83.930	1.00	0.00	N
ATOM	161	N3	G	A	6	50.477	-12.088	82.569	1.00	0.00	N
ATOM	162	C4	G	A	6	50.814	-10.775	82.489	1.00	0.00	C
ATOM	163	C5	G	A	6	50.562	-9.770	83.408	1.00	0.00	C
ATOM	164	C6	G	A	6	49.868	-10.074	84.603	1.00	0.00	C
ATOM	165	O6	G	A	6	49.552	-9.329	85.528	1.00	0.00	O
ATOM	166	N7	G	A	6	51.074	-8.555	82.949	1.00	0.00	N
ATOM	167	C8	G	A	6	51.612	-8.855	81.795	1.00	0.00	C
ATOM	168	N9	G	A	6	51.494	-10.185	81.446	1.00	0.00	N
ATOM	169	C2'	G	A	6	51.851	-10.059	78.953	1.00	0.00	C
ATOM	170	C3'	G	A	6	53.088	-10.480	78.176	1.00	0.00	C
ATOM	171	O3'	G	A	6	52.806	-11.679	77.460	1.00	0.00	O
ATOM	172	C4'	G	A	6	54.124	-10.695	79.279	1.00	0.00	C
ATOM	173	O4'	G	A	6	53.344	-11.193	80.413	1.00	0.00	O
ATOM	174	C5'	G	A	6	54.896	-9.477	79.722	1.00	0.00	C

ATOM	175	O5'	G A	6	54.034	-8.312	79.700	1.00	0.00	O
ATOM	176	O1P	G A	6	55.031	-6.882	77.886	1.00	0.00	O
ATOM	177	O2P	G A	6	53.750	-5.817	79.762	1.00	0.00	O
ATOM	178	P	G A	6	54.662	-6.898	79.314	1.00	0.00	P
ATOM	179	H1	G A	6	49.021	-11.766	85.503	1.00	0.00	H
ATOM	180	H8	G A	6	52.111	-8.120	81.162	1.00	0.00	H
ATOM	181	H1'	G A	6	51.430	-11.827	80.133	1.00	0.00	H
ATOM	182	H21	G A	6	48.900	-13.842	84.803	1.00	0.00	H
ATOM	183	H3'	G A	6	53.414	-9.710	77.477	1.00	0.00	H
ATOM	184	H22	G A	6	49.589	-14.370	83.242	1.00	0.00	H
ATOM	185	H4'	G A	6	54.840	-11.426	78.904	1.00	0.00	H
ATOM	186	H2'1	G A	6	51.855	-8.987	79.155	1.00	0.00	H
ATOM	187	H2'2	G A	6	50.939	-10.284	78.400	1.00	0.00	H
ATOM	188	H5'1	G A	6	55.273	-9.638	80.732	1.00	0.00	H
ATOM	189	H5'2	G A	6	55.740	-9.324	79.049	1.00	0.00	H
ATOM	190	C1'	C A	7	48.007	-13.783	79.599	1.00	0.00	C
ATOM	191	N1	C A	7	47.877	-12.455	80.258	1.00	0.00	N
ATOM	192	C2	C A	7	47.231	-12.400	81.492	1.00	0.00	C
ATOM	193	O2	C A	7	46.796	-13.446	81.987	1.00	0.00	O
ATOM	194	N3	C A	7	47.103	-11.200	82.109	1.00	0.00	N
ATOM	195	C4	C A	7	47.583	-10.082	81.548	1.00	0.00	C
ATOM	196	N4	C A	7	47.432	-8.937	82.196	1.00	0.00	N
ATOM	197	C5	C A	7	48.247	-10.108	80.277	1.00	0.00	C
ATOM	198	C6	C A	7	48.370	-11.329	79.677	1.00	0.00	C
ATOM	199	C2'	C A	7	47.843	-13.737	78.086	1.00	0.00	C
ATOM	200	C3'	C A	7	48.832	-14.797	77.628	1.00	0.00	C
ATOM	201	O3'	C A	7	48.209	-16.078	77.687	1.00	0.00	O
ATOM	202	C4'	C A	7	49.969	-14.661	78.639	1.00	0.00	C
ATOM	203	O4'	C A	7	49.302	-14.280	79.884	1.00	0.00	O
ATOM	204	C5'	C A	7	51.028	-13.628	78.324	1.00	0.00	C
ATOM	205	O5'	C A	7	50.416	-12.473	77.697	1.00	0.00	O
ATOM	206	O1P	C A	7	51.367	-12.499	75.367	1.00	0.00	O
ATOM	207	O2P	C A	7	50.638	-10.332	76.402	1.00	0.00	O
ATOM	208	P	C A	7	51.236	-11.677	76.586	1.00	0.00	P
ATOM	209	H5	C A	7	48.635	-9.200	79.814	1.00	0.00	H
ATOM	210	H6	C A	7	48.874	-11.401	78.713	1.00	0.00	H
ATOM	211	H1'	C A	7	47.281	-14.461	80.051	1.00	0.00	H
ATOM	212	H3'	C A	7	49.184	-14.613	76.612	1.00	0.00	H
ATOM	213	H4'	C A	7	50.459	-15.632	78.696	1.00	0.00	H
ATOM	214	H41	C A	7	47.794	-8.062	81.789	1.00	0.00	H
ATOM	215	H42	C A	7	46.953	-8.917	83.108	1.00	0.00	H
ATOM	216	H2'1	C A	7	48.088	-12.760	77.673	1.00	0.00	H
ATOM	217	H2'2	C A	7	46.826	-13.980	77.773	1.00	0.00	H
ATOM	218	H5'1	C A	7	51.523	-13.328	79.247	1.00	0.00	H
ATOM	219	H5'2	C A	7	51.763	-14.065	77.649	1.00	0.00	H
ATOM	220	C1'	A A	8	43.499	-15.475	80.752	1.00	0.00	C
ATOM	221	N1	A A	8	42.939	-10.845	82.898	1.00	0.00	N
ATOM	222	C2	A A	8	42.603	-12.068	83.297	1.00	0.00	C
ATOM	223	N3	A A	8	42.779	-13.224	82.695	1.00	0.00	N
ATOM	224	C4	A A	8	43.390	-13.042	81.509	1.00	0.00	C
ATOM	225	C5	A A	8	43.798	-11.859	80.957	1.00	0.00	C
ATOM	226	C6	A A	8	43.548	-10.695	81.712	1.00	0.00	C
ATOM	227	N6	A A	8	43.893	-9.464	81.297	1.00	0.00	N
ATOM	228	N7	A A	8	44.392	-12.063	79.723	1.00	0.00	N

ATOM	229	C8	A A	8	44.328	-13.352	79.555	1.00	0.00	C
ATOM	230	N9	A A	8	43.735	-14.012	80.600	1.00	0.00	N
ATOM	231	C2'	A A	8	43.117	-16.171	79.452	1.00	0.00	C
ATOM	232	C3'	A A	8	43.795	-17.522	79.607	1.00	0.00	C
ATOM	233	O3'	A A	8	42.947	-18.387	80.358	1.00	0.00	O
ATOM	234	C4'	A A	8	45.078	-17.176	80.360	1.00	0.00	C
ATOM	235	O4'	A A	8	44.698	-16.057	81.225	1.00	0.00	O
ATOM	236	C5'	A A	8	46.258	-16.755	79.515	1.00	0.00	C
ATOM	237	O5'	A A	8	45.798	-15.973	78.385	1.00	0.00	O
ATOM	238	O1P	A A	8	46.356	-17.427	76.407	1.00	0.00	O
ATOM	239	O2P	A A	8	46.239	-14.934	76.139	1.00	0.00	O
ATOM	240	P	A A	8	46.581	-16.094	76.999	1.00	0.00	P
ATOM	241	H2	A A	8	42.109	-12.120	84.267	1.00	0.00	H
ATOM	242	H8	A A	8	44.710	-13.860	78.669	1.00	0.00	H
ATOM	243	H1'	A A	8	42.734	-15.619	81.513	1.00	0.00	H
ATOM	244	H3'	A A	8	44.016	-17.981	78.643	1.00	0.00	H
ATOM	245	H4'	A A	8	45.368	-18.065	80.917	1.00	0.00	H
ATOM	246	H61	A A	8	43.689	-8.646	81.888	1.00	0.00	H
ATOM	247	H62	A A	8	44.359	-9.340	80.386	1.00	0.00	H
ATOM	248	H2'1	A A	8	43.484	-15.641	78.575	1.00	0.00	H
ATOM	249	H2'2	A A	8	42.037	-16.278	79.344	1.00	0.00	H
ATOM	250	H5'1	A A	8	46.938	-16.159	80.124	1.00	0.00	H
ATOM	251	H5'2	A A	8	46.781	-17.643	79.161	1.00	0.00	H
ATOM	252	C1'	C A	9	38.986	-15.057	82.783	1.00	0.00	C
ATOM	253	N1	C A	9	39.486	-14.021	81.838	1.00	0.00	N
ATOM	254	C2	C A	9	39.423	-12.687	82.237	1.00	0.00	C
ATOM	255	O2	C A	9	38.956	-12.421	83.352	1.00	0.00	O
ATOM	256	N3	C A	9	39.871	-11.730	81.392	1.00	0.00	N
ATOM	257	C4	C A	9	40.369	-12.049	80.190	1.00	0.00	C
ATOM	258	N4	C A	9	40.798	-11.071	79.404	1.00	0.00	N
ATOM	259	C5	C A	9	40.445	-13.411	79.750	1.00	0.00	C
ATOM	260	C6	C A	9	39.991	-14.361	80.620	1.00	0.00	C
ATOM	261	C2'	C A	9	38.257	-16.207	82.102	1.00	0.00	C
ATOM	262	C3'	C A	9	38.664	-17.394	82.962	1.00	0.00	C
ATOM	263	O3'	C A	9	37.798	-17.472	84.092	1.00	0.00	O
ATOM	264	C4'	C A	9	40.098	-17.052	83.357	1.00	0.00	C
ATOM	265	O4'	C A	9	40.105	-15.592	83.464	1.00	0.00	O
ATOM	266	C5'	C A	9	41.179	-17.470	82.387	1.00	0.00	C
ATOM	267	O5'	C A	9	40.699	-17.318	81.025	1.00	0.00	O
ATOM	268	O1P	C A	9	40.609	-19.685	80.173	1.00	0.00	O
ATOM	269	O2P	C A	9	40.955	-17.787	78.569	1.00	0.00	O
ATOM	270	P	C A	9	41.195	-18.354	79.919	1.00	0.00	P
ATOM	271	H5	C A	9	40.843	-13.676	78.770	1.00	0.00	H
ATOM	272	H6	C A	9	40.034	-15.412	80.335	1.00	0.00	H
ATOM	273	H1'	C A	9	38.349	-14.568	83.517	1.00	0.00	H
ATOM	274	H3'	C A	9	38.620	-18.332	82.409	1.00	0.00	H
ATOM	275	H4'	C A	9	40.293	-17.550	84.305	1.00	0.00	H
ATOM	276	H41	C A	9	41.188	-11.291	78.476	1.00	0.00	H
ATOM	277	H42	C A	9	40.741	-10.092	79.721	1.00	0.00	H
ATOM	278	H2'1	C A	9	38.569	-16.342	81.067	1.00	0.00	H
ATOM	279	H2'2	C A	9	37.175	-16.067	82.103	1.00	0.00	H
ATOM	280	H5'1	C A	9	42.060	-16.844	82.539	1.00	0.00	H
ATOM	281	H5'2	C A	9	41.442	-18.510	82.570	1.00	0.00	H
ATOM	282	C1'	C A	10	35.035	-12.532	84.376	1.00	0.00	C

ATOM	283	N1	C	A	10	35.572	-12.310	83.005	1.00	0.00	N
ATOM	284	C2	C	A	10	35.839	-11.000	82.615	1.00	0.00	C
ATOM	285	O2	C	A	10	35.623	-10.080	83.416	1.00	0.00	O
ATOM	286	N3	C	A	10	36.328	-10.775	81.371	1.00	0.00	N
ATOM	287	C4	C	A	10	36.553	-11.789	80.524	1.00	0.00	C
ATOM	288	N4	C	A	10	37.035	-11.513	79.322	1.00	0.00	N
ATOM	289	C5	C	A	10	36.282	-13.147	80.898	1.00	0.00	C
ATOM	290	C6	C	A	10	35.794	-13.350	82.158	1.00	0.00	C
ATOM	291	C2'	C	A	10	33.991	-13.637	84.453	1.00	0.00	C
ATOM	292	C3'	C	A	10	34.287	-14.258	85.810	1.00	0.00	C
ATOM	293	O3'	C	A	10	33.617	-13.511	86.823	1.00	0.00	O
ATOM	294	C4'	C	A	10	35.805	-14.140	85.914	1.00	0.00	C
ATOM	295	O4'	C	A	10	36.120	-12.897	85.208	1.00	0.00	O
ATOM	296	C5'	C	A	10	36.610	-15.261	85.298	1.00	0.00	C
ATOM	297	O5'	C	A	10	35.958	-15.727	84.091	1.00	0.00	O
ATOM	298	O1P	C	A	10	35.261	-18.075	84.671	1.00	0.00	O
ATOM	299	O2P	C	A	10	35.714	-17.454	82.283	1.00	0.00	O
ATOM	300	P	C	A	10	36.051	-17.274	83.716	1.00	0.00	P
ATOM	301	H5	C	A	10	36.458	-13.977	80.211	1.00	0.00	H
ATOM	302	H6	C	A	10	35.582	-14.366	82.490	1.00	0.00	H
ATOM	303	H1'	C	A	10	34.634	-11.589	84.742	1.00	0.00	H
ATOM	304	H3'	C	A	10	33.969	-15.300	85.861	1.00	0.00	H
ATOM	305	H4'	C	A	10	36.048	-14.100	86.976	1.00	0.00	H
ATOM	306	H41	C	A	10	37.217	-12.275	78.653	1.00	0.00	H
ATOM	307	H42	C	A	10	37.225	-10.536	79.055	1.00	0.00	H
ATOM	308	H2'1	C	A	10	34.099	-14.368	83.652	1.00	0.00	H
ATOM	309	H2'2	C	A	10	32.973	-13.247	84.408	1.00	0.00	H
ATOM	310	H5'1	C	A	10	37.611	-14.896	85.062	1.00	0.00	H
ATOM	311	H5'2	C	A	10	36.688	-16.078	86.014	1.00	0.00	H
ATOM	312	C1'	T	A	11	31.968	-8.649	84.461	1.00	0.00	C
ATOM	313	N1	T	A	11	32.313	-9.299	83.169	1.00	0.00	N
ATOM	314	C2	T	A	11	32.759	-8.480	82.151	1.00	0.00	C
ATOM	315	O2	T	A	11	32.875	-7.272	82.277	1.00	0.00	O
ATOM	316	N3	T	A	11	33.070	-9.124	80.967	1.00	0.00	N
ATOM	317	C4	T	A	11	32.972	-10.478	80.720	1.00	0.00	C
ATOM	318	O4	T	A	11	33.277	-10.943	79.614	1.00	0.00	O
ATOM	319	C5	T	A	11	32.496	-11.253	81.843	1.00	0.00	C
ATOM	320	C6	T	A	11	32.185	-10.658	83.010	1.00	0.00	C
ATOM	321	C7	T	A	11	32.377	-12.730	81.617	1.00	0.00	C
ATOM	322	C2'	T	A	11	30.753	-9.259	85.150	1.00	0.00	C
ATOM	323	C3'	T	A	11	31.133	-9.151	86.618	1.00	0.00	C
ATOM	324	O3'	T	A	11	30.789	-7.851	87.096	1.00	0.00	O
ATOM	325	C4'	T	A	11	32.641	-9.377	86.596	1.00	0.00	C
ATOM	326	O4'	T	A	11	33.077	-8.793	85.327	1.00	0.00	O
ATOM	327	C5'	T	A	11	33.107	-10.813	86.651	1.00	0.00	C
ATOM	328	O5'	T	A	11	32.195	-11.652	85.899	1.00	0.00	O
ATOM	329	O1P	T	A	11	31.156	-13.114	87.663	1.00	0.00	O
ATOM	330	O2P	T	A	11	31.336	-13.936	85.301	1.00	0.00	O
ATOM	331	P	T	A	11	31.925	-13.139	86.405	1.00	0.00	P
ATOM	332	H3	T	A	11	33.409	-8.536	80.194	1.00	0.00	H
ATOM	333	H6	T	A	11	31.829	-11.262	83.845	1.00	0.00	H
ATOM	334	H1'	T	A	11	31.819	-7.584	84.280	1.00	0.00	H
ATOM	335	H3'	T	A	11	30.630	-9.902	87.226	1.00	0.00	H
ATOM	336	H4'	T	A	11	33.054	-8.861	87.465	1.00	0.00	H

ATOM	337	H71	T	A	11	31.328	-13.023	81.667	1.00	0.00	H
ATOM	338	H72	T	A	11	32.778	-12.982	80.635	1.00	0.00	H
ATOM	339	H73	T	A	11	32.939	-13.262	82.386	1.00	0.00	H
ATOM	340	H2'1	T	A	11	30.591	-10.295	84.858	1.00	0.00	H
ATOM	341	H2'2	T	A	11	29.836	-8.710	84.934	1.00	0.00	H
ATOM	342	H5'1	T	A	11	34.108	-10.883	86.227	1.00	0.00	H
ATOM	343	H5'2	T	A	11	33.136	-11.140	87.691	1.00	0.00	H
ATOM	344	C1'	A	A	12	29.797	-4.651	82.478	1.00	0.00	C
ATOM	345	N1	A	A	12	30.806	-6.999	78.028	1.00	0.00	N
ATOM	346	C2	A	A	12	30.913	-5.734	78.421	1.00	0.00	C
ATOM	347	N3	A	A	12	30.637	-5.193	79.590	1.00	0.00	N
ATOM	348	C4	A	A	12	30.184	-6.132	80.439	1.00	0.00	C
ATOM	349	C5	A	A	12	30.015	-7.465	80.195	1.00	0.00	C
ATOM	350	C6	A	A	12	30.353	-7.913	78.899	1.00	0.00	C
ATOM	351	N6	A	A	12	30.239	-9.195	78.514	1.00	0.00	N
ATOM	352	N7	A	A	12	29.530	-8.121	81.311	1.00	0.00	N
ATOM	353	C8	A	A	12	29.412	-7.180	82.200	1.00	0.00	C
ATOM	354	N9	A	A	12	29.793	-5.944	81.743	1.00	0.00	N
ATOM	355	C2'	A	A	12	28.615	-4.479	83.422	1.00	0.00	C
ATOM	356	C3'	A	A	12	29.241	-3.718	84.580	1.00	0.00	C
ATOM	357	O3'	A	A	12	29.241	-2.324	84.276	1.00	0.00	O
ATOM	358	C4'	A	A	12	30.655	-4.295	84.642	1.00	0.00	C
ATOM	359	O4'	A	A	12	30.982	-4.596	83.248	1.00	0.00	O
ATOM	360	C5'	A	A	12	30.830	-5.549	85.463	1.00	0.00	C
ATOM	361	O5'	A	A	12	29.662	-6.398	85.320	1.00	0.00	O
ATOM	362	O1P	A	A	12	28.656	-6.397	87.627	1.00	0.00	O
ATOM	363	O2P	A	A	12	28.288	-8.352	86.097	1.00	0.00	O
ATOM	364	P	A	A	12	29.191	-7.272	86.566	1.00	0.00	P
ATOM	365	H2	A	A	12	31.283	-5.041	77.665	1.00	0.00	H
ATOM	366	H8	A	A	12	29.046	-7.354	83.213	1.00	0.00	H
ATOM	367	H1'	A	A	12	29.833	-3.843	81.748	1.00	0.00	H
ATOM	368	H3'	A	A	12	28.707	-3.883	85.516	1.00	0.00	H
ATOM	369	H4'	A	A	12	31.292	-3.523	85.074	1.00	0.00	H
ATOM	370	H61	A	A	12	30.501	-9.469	77.556	1.00	0.00	H
ATOM	371	H62	A	A	12	29.889	-9.903	79.176	1.00	0.00	H
ATOM	372	H2'1	A	A	12	28.207	-5.434	83.753	1.00	0.00	H
ATOM	373	H2'2	A	A	12	27.801	-3.914	82.969	1.00	0.00	H
ATOM	374	H5'1	A	A	12	31.715	-6.082	85.115	1.00	0.00	H
ATOM	375	H5'2	A	A	12	30.961	-5.278	86.508	1.00	0.00	H
ATOM	376	C1'	G	A	13	28.177	-1.897	78.679	1.00	0.00	C
ATOM	377	N1	G	A	13	27.958	-6.372	76.242	1.00	0.00	N
ATOM	378	C2	G	A	13	28.408	-5.143	75.800	1.00	0.00	C
ATOM	379	N2	G	A	13	28.859	-5.098	74.539	1.00	0.00	N
ATOM	380	N3	G	A	13	28.410	-4.044	76.553	1.00	0.00	N
ATOM	381	C4	G	A	13	27.912	-4.272	77.797	1.00	0.00	C
ATOM	382	C5	G	A	13	27.437	-5.461	78.325	1.00	0.00	C
ATOM	383	C6	G	A	13	27.440	-6.628	77.526	1.00	0.00	C
ATOM	384	O6	G	A	13	27.061	-7.765	77.812	1.00	0.00	O
ATOM	385	N7	G	A	13	27.014	-5.271	79.640	1.00	0.00	N
ATOM	386	C8	G	A	13	27.242	-4.004	79.867	1.00	0.00	C
ATOM	387	N9	G	A	13	27.789	-3.328	78.794	1.00	0.00	N
ATOM	388	C2'	G	A	13	27.229	-0.945	79.394	1.00	0.00	C
ATOM	389	C3'	G	A	13	28.180	0.122	79.911	1.00	0.00	C
ATOM	390	O3'	G	A	13	28.414	1.080	78.881	1.00	0.00	O

ATOM	391	C4'	G A	13	29.437	-0.679	80.250	1.00	0.00	C
ATOM	392	O4'	G A	13	29.460	-1.750	79.254	1.00	0.00	O
ATOM	393	C5'	G A	13	29.487	-1.296	81.627	1.00	0.00	C
ATOM	394	O5'	G A	13	28.166	-1.747	82.012	1.00	0.00	O
ATOM	395	O1P	G A	13	27.580	-0.252	83.950	1.00	0.00	O
ATOM	396	O2P	G A	13	26.572	-2.542	83.784	1.00	0.00	O
ATOM	397	P	G A	13	27.742	-1.661	83.548	1.00	0.00	P
ATOM	398	H1	G A	13	28.004	-7.163	75.580	1.00	0.00	H
ATOM	399	H8	G A	13	27.023	-3.520	80.819	1.00	0.00	H
ATOM	400	H1'	G A	13	28.254	-1.648	77.620	1.00	0.00	H
ATOM	401	H21	G A	13	28.857	-5.952	73.962	1.00	0.00	H
ATOM	402	H3'	G A	13	27.788	0.629	80.793	1.00	0.00	H
ATOM	403	H22	G A	13	29.205	-4.211	74.149	1.00	0.00	H
ATOM	404	H4'	G A	13	30.282	0.005	80.159	1.00	0.00	H
ATOM	405	H2'1	G A	13	26.695	-1.429	80.213	1.00	0.00	H
ATOM	406	H2'2	G A	13	26.483	-0.520	78.723	1.00	0.00	H
ATOM	407	H5'1	G A	13	30.177	-2.140	81.615	1.00	0.00	H
ATOM	408	H5'2	G A	13	29.846	-0.554	82.339	1.00	0.00	H
ATOM	409	C1'	G A	14	26.543	-1.208	74.054	1.00	0.00	C
ATOM	410	N1	G A	14	25.046	-6.067	74.464	1.00	0.00	N
ATOM	411	C2	G A	14	25.655	-5.412	73.409	1.00	0.00	C
ATOM	412	N2	G A	14	25.896	-6.148	72.316	1.00	0.00	N
ATOM	413	N3	G A	14	25.997	-4.124	73.440	1.00	0.00	N
ATOM	414	C4	G A	14	25.673	-3.535	74.619	1.00	0.00	C
ATOM	415	C5	G A	14	25.061	-4.107	75.723	1.00	0.00	C
ATOM	416	C6	G A	14	24.703	-5.472	75.692	1.00	0.00	C
ATOM	417	O6	G A	14	24.157	-6.153	76.561	1.00	0.00	O
ATOM	418	N7	G A	14	24.904	-3.154	76.734	1.00	0.00	N
ATOM	419	C8	G A	14	25.414	-2.064	76.225	1.00	0.00	C
ATOM	420	N9	G A	14	25.900	-2.215	74.943	1.00	0.00	N
ATOM	421	C2'	G A	14	25.933	0.183	74.162	1.00	0.00	C
ATOM	422	C3'	G A	14	27.148	1.079	73.985	1.00	0.00	C
ATOM	423	O3'	G A	14	27.397	1.262	72.594	1.00	0.00	O
ATOM	424	C4'	G A	14	28.258	0.283	74.671	1.00	0.00	C
ATOM	425	O4'	G A	14	27.905	-1.115	74.422	1.00	0.00	O
ATOM	426	C5'	G A	14	28.406	0.486	76.161	1.00	0.00	C
ATOM	427	O5'	G A	14	27.100	0.658	76.765	1.00	0.00	O
ATOM	428	O1P	G A	14	27.145	3.035	77.588	1.00	0.00	O
ATOM	429	O2P	G A	14	25.688	1.341	78.728	1.00	0.00	O
ATOM	430	P	G A	14	26.956	1.636	78.015	1.00	0.00	P
ATOM	431	H1	G A	14	24.829	-7.069	74.339	1.00	0.00	H
ATOM	432	H8	G A	14	25.450	-1.118	76.766	1.00	0.00	H
ATOM	433	H1'	G A	14	26.496	-1.578	73.030	1.00	0.00	H
ATOM	434	H21	G A	14	25.632	-7.144	72.301	1.00	0.00	H
ATOM	435	H3'	G A	14	27.011	2.051	74.459	1.00	0.00	H
ATOM	436	H22	G A	14	26.345	-5.719	71.495	1.00	0.00	H
ATOM	437	H4'	G A	14	29.195	0.576	74.200	1.00	0.00	H
ATOM	438	H2'1	G A	14	25.452	0.352	75.125	1.00	0.00	H
ATOM	439	H2'2	G A	14	25.186	0.369	73.387	1.00	0.00	H
ATOM	440	H5'1	G A	14	28.902	-0.383	76.592	1.00	0.00	H
ATOM	441	H5'2	G A	14	29.016	1.372	76.341	1.00	0.00	H
ATOM	442	C1'	A A	15	24.364	-2.624	69.842	1.00	0.00	C
ATOM	443	N1	A A	15	22.005	-6.024	72.877	1.00	0.00	N
ATOM	444	C2	A A	15	22.551	-6.125	71.668	1.00	0.00	C

ATOM	445	N3	A	A	15	23.148	-5.206	70.941	1.00	0.00	N
ATOM	446	C4	A	A	15	23.155	-4.028	71.593	1.00	0.00	C
ATOM	447	C5	A	A	15	22.639	-3.759	72.829	1.00	0.00	C
ATOM	448	C6	A	A	15	22.028	-4.837	73.502	1.00	0.00	C
ATOM	449	N6	A	A	15	21.478	-4.723	74.723	1.00	0.00	N
ATOM	450	N7	A	A	15	22.832	-2.433	73.174	1.00	0.00	N
ATOM	451	C8	A	A	15	23.452	-1.931	72.146	1.00	0.00	C
ATOM	452	N9	A	A	15	23.684	-2.842	71.147	1.00	0.00	N
ATOM	453	C2'	A	A	15	24.061	-1.272	69.209	1.00	0.00	C
ATOM	454	C3'	A	A	15	25.386	-0.926	68.549	1.00	0.00	C
ATOM	455	O3'	A	A	15	25.445	-1.547	67.268	1.00	0.00	O
ATOM	456	C4'	A	A	15	26.412	-1.507	69.520	1.00	0.00	C
ATOM	457	O4'	A	A	15	25.758	-2.699	70.064	1.00	0.00	O
ATOM	458	C5'	A	A	15	26.829	-0.618	70.668	1.00	0.00	C
ATOM	459	O5'	A	A	15	25.691	0.155	71.127	1.00	0.00	O
ATOM	460	O1P	A	A	15	26.328	2.523	70.557	1.00	0.00	O
ATOM	461	O2P	A	A	15	24.764	2.070	72.465	1.00	0.00	O
ATOM	462	P	A	A	15	25.937	1.634	71.669	1.00	0.00	P
ATOM	463	H2	A	A	15	22.496	-7.115	71.214	1.00	0.00	H
ATOM	464	H8	A	A	15	23.758	-0.887	72.083	1.00	0.00	H
ATOM	465	H1'	A	A	15	24.087	-3.438	69.174	1.00	0.00	H
ATOM	466	H3'	A	A	15	25.518	0.150	68.435	1.00	0.00	H
ATOM	467	H4'	A	A	15	27.303	-1.739	68.938	1.00	0.00	H
ATOM	468	H61	A	A	15	21.046	-5.543	75.172	1.00	0.00	H
ATOM	469	H62	A	A	15	21.490	-3.813	75.209	1.00	0.00	H
ATOM	470	H2'1	A	A	15	23.778	-0.523	69.950	1.00	0.00	H
ATOM	471	H2'2	A	A	15	23.255	-1.329	68.477	1.00	0.00	H
ATOM	472	H5'1	A	A	15	27.205	-1.238	71.481	1.00	0.00	H
ATOM	473	H5'2	A	A	15	27.617	0.053	70.332	1.00	0.00	H
ATOM	474	C1'	C	A	16	21.273	-5.452	67.175	1.00	0.00	C
ATOM	475	N1	C	A	16	20.790	-4.756	68.399	1.00	0.00	N
ATOM	476	C2	C	A	16	20.119	-5.511	69.358	1.00	0.00	C
ATOM	477	O2	C	A	16	19.952	-6.721	69.154	1.00	0.00	O
ATOM	478	N3	C	A	16	19.670	-4.897	70.480	1.00	0.00	N
ATOM	479	C4	C	A	16	19.867	-3.586	70.671	1.00	0.00	C
ATOM	480	N4	C	A	16	19.410	-3.039	71.787	1.00	0.00	N
ATOM	481	C5	C	A	16	20.550	-2.782	69.700	1.00	0.00	C
ATOM	482	C6	C	A	16	20.997	-3.423	68.579	1.00	0.00	C
ATOM	483	C2'	C	A	16	21.144	-4.622	65.905	1.00	0.00	C
ATOM	484	C3'	C	A	16	22.384	-5.037	65.127	1.00	0.00	C
ATOM	485	O3'	C	A	16	22.106	-6.234	64.408	1.00	0.00	O
ATOM	486	C4'	C	A	16	23.419	-5.250	66.230	1.00	0.00	C
ATOM	487	O4'	C	A	16	22.643	-5.753	67.364	1.00	0.00	O
ATOM	488	C5'	C	A	16	24.188	-4.027	66.675	1.00	0.00	C
ATOM	489	O5'	C	A	16	23.319	-2.868	66.654	1.00	0.00	O
ATOM	490	O1P	C	A	16	24.310	-1.427	64.843	1.00	0.00	O
ATOM	491	O2P	C	A	16	23.026	-0.373	66.722	1.00	0.00	O
ATOM	492	P	C	A	16	23.940	-1.450	66.273	1.00	0.00	P
ATOM	493	H5	C	A	16	20.706	-1.713	69.848	1.00	0.00	H
ATOM	494	H6	C	A	16	21.530	-2.856	67.816	1.00	0.00	H
ATOM	495	H1'	C	A	16	20.733	-6.395	67.082	1.00	0.00	H
ATOM	496	H3'	C	A	16	22.705	-4.261	64.430	1.00	0.00	H
ATOM	497	H4'	C	A	16	24.139	-5.975	65.850	1.00	0.00	H
ATOM	498	H41	C	A	16	19.550	-2.031	71.960	1.00	0.00	H

ATOM	499	H42	C	A	16	18.917	-3.616	72.482	1.00	0.00	H
ATOM	500	H2'1	C	A	16	21.143	-3.551	66.109	1.00	0.00	H
ATOM	501	H2'2	C	A	16	20.232	-4.851	65.351	1.00	0.00	H
ATOM	502	H5'1	C	A	16	24.564	-4.191	67.684	1.00	0.00	H
ATOM	503	H5'2	C	A	16	25.029	-3.868	66.000	1.00	0.00	H
ATOM	504	C1'	G	A	17	17.305	-8.347	66.551	1.00	0.00	C
ATOM	505	N1	G	A	17	15.546	-5.854	70.639	1.00	0.00	N
ATOM	506	C2	G	A	17	15.486	-7.201	70.326	1.00	0.00	C
ATOM	507	N2	G	A	17	14.873	-7.987	71.221	1.00	0.00	N
ATOM	508	N3	G	A	17	15.996	-7.720	69.211	1.00	0.00	N
ATOM	509	C4	G	A	17	16.571	-6.779	68.418	1.00	0.00	C
ATOM	510	C5	G	A	17	16.675	-5.416	68.646	1.00	0.00	C
ATOM	511	C6	G	A	17	16.138	-4.863	69.832	1.00	0.00	C
ATOM	512	O6	G	A	17	16.130	-3.692	70.209	1.00	0.00	O
ATOM	513	N7	G	A	17	17.338	-4.798	67.583	1.00	0.00	N
ATOM	514	C8	G	A	17	17.612	-5.783	66.767	1.00	0.00	C
ATOM	515	N9	G	A	17	17.177	-7.017	67.205	1.00	0.00	N
ATOM	516	C2'	G	A	17	17.145	-8.306	65.037	1.00	0.00	C
ATOM	517	C3'	G	A	17	18.131	-9.368	64.583	1.00	0.00	C
ATOM	518	O3'	G	A	17	17.504	-10.647	64.646	1.00	0.00	O
ATOM	519	C4'	G	A	17	19.266	-9.232	65.597	1.00	0.00	C
ATOM	520	O4'	G	A	17	18.597	-8.847	66.839	1.00	0.00	O
ATOM	521	C5'	G	A	17	20.329	-8.205	65.279	1.00	0.00	C
ATOM	522	O5'	G	A	17	19.721	-7.049	64.650	1.00	0.00	O
ATOM	523	O1P	G	A	17	20.678	-7.087	62.322	1.00	0.00	O
ATOM	524	O2P	G	A	17	19.954	-4.914	63.348	1.00	0.00	O
ATOM	525	P	G	A	17	20.548	-6.260	63.537	1.00	0.00	P
ATOM	526	H1	G	A	17	15.126	-5.554	71.532	1.00	0.00	H
ATOM	527	H8	G	A	17	18.137	-5.639	65.822	1.00	0.00	H
ATOM	528	H1'	G	A	17	16.577	-9.020	67.002	1.00	0.00	H
ATOM	529	H21	G	A	17	14.484	-7.578	72.082	1.00	0.00	H
ATOM	530	H3'	G	A	17	18.487	-9.189	63.568	1.00	0.00	H
ATOM	531	H22	G	A	17	14.792	-8.999	71.046	1.00	0.00	H
ATOM	532	H4'	G	A	17	19.753	-10.206	65.660	1.00	0.00	H
ATOM	533	H2'1	G	A	17	17.393	-7.329	64.621	1.00	0.00	H
ATOM	534	H2'2	G	A	17	16.128	-8.546	64.722	1.00	0.00	H
ATOM	535	H5'1	G	A	17	20.823	-7.905	66.204	1.00	0.00	H
ATOM	536	H5'2	G	A	17	21.065	-8.648	64.609	1.00	0.00	H
ATOM	537	C1'	G	A	18	12.792	-10.019	67.717	1.00	0.00	C
ATOM	538	N1	G	A	18	12.249	-5.408	69.830	1.00	0.00	N
ATOM	539	C2	G	A	18	11.871	-6.652	70.304	1.00	0.00	C
ATOM	540	N2	G	A	18	11.266	-6.669	71.500	1.00	0.00	N
ATOM	541	N3	G	A	18	12.082	-7.787	69.640	1.00	0.00	N
ATOM	542	C4	G	A	18	12.696	-7.581	68.446	1.00	0.00	C
ATOM	543	C5	G	A	18	13.104	-6.378	67.890	1.00	0.00	C
ATOM	544	C6	G	A	18	12.886	-5.173	68.598	1.00	0.00	C
ATOM	545	O6	G	A	18	13.173	-4.020	68.271	1.00	0.00	O
ATOM	546	N7	G	A	18	13.697	-6.599	66.645	1.00	0.00	N
ATOM	547	C8	G	A	18	13.635	-7.896	66.491	1.00	0.00	C
ATOM	548	N9	G	A	18	13.039	-8.562	67.542	1.00	0.00	N
ATOM	549	C2'	G	A	18	12.401	-10.735	66.433	1.00	0.00	C
ATOM	550	C3'	G	A	18	13.069	-12.087	66.604	1.00	0.00	C
ATOM	551	O3'	G	A	18	12.219	-12.937	67.372	1.00	0.00	O
ATOM	552	C4'	G	A	18	14.358	-11.738	67.347	1.00	0.00	C

ATOM	553	O4'	G A	18	13.988	-10.605	68.196	1.00	0.00	O
ATOM	554	C5'	G A	18	15.537	-11.338	66.494	1.00	0.00	C
ATOM	555	O5'	G A	18	15.079	-10.572	65.352	1.00	0.00	O
ATOM	556	O1P	G A	18	15.621	-12.061	63.395	1.00	0.00	O
ATOM	557	O2P	G A	18	15.519	-9.573	63.089	1.00	0.00	O
ATOM	558	P	G A	18	15.856	-10.720	63.966	1.00	0.00	P
ATOM	559	H1	G A	18	12.046	-4.590	70.426	1.00	0.00	H
ATOM	560	H8	G A	18	14.018	-8.408	65.608	1.00	0.00	H
ATOM	561	H1'	G A	18	12.027	-10.145	68.483	1.00	0.00	H
ATOM	562	H21	G A	18	11.111	-5.786	72.009	1.00	0.00	H
ATOM	563	H3'	G A	18	13.284	-12.563	65.646	1.00	0.00	H
ATOM	564	H22	G A	18	10.960	-7.562	71.907	1.00	0.00	H
ATOM	565	H4'	G A	18	14.643	-12.621	67.919	1.00	0.00	H
ATOM	566	H2'1	G A	18	12.768	-10.220	65.544	1.00	0.00	H
ATOM	567	H2'2	G A	18	11.320	-10.835	66.327	1.00	0.00	H
ATOM	568	H5'1	G A	18	16.224	-10.738	67.090	1.00	0.00	H
ATOM	569	H5'2	G A	18	16.052	-12.236	66.152	1.00	0.00	H
ATOM	570	C1'	T A	19	8.285	-9.644	69.729	1.00	0.00	C
ATOM	571	N1	T A	19	8.777	-8.593	68.800	1.00	0.00	N
ATOM	572	C2	T A	19	8.695	-7.284	69.228	1.00	0.00	C
ATOM	573	O2	T A	19	8.243	-6.973	70.317	1.00	0.00	O
ATOM	574	N3	T A	19	9.164	-6.340	68.334	1.00	0.00	N
ATOM	575	C4	T A	19	9.690	-6.582	67.083	1.00	0.00	C
ATOM	576	O4	T A	19	10.076	-5.651	66.368	1.00	0.00	O
ATOM	577	C5	T A	19	9.734	-7.980	66.722	1.00	0.00	C
ATOM	578	C6	T A	19	9.286	-8.928	67.569	1.00	0.00	C
ATOM	579	C7	T A	19	10.300	-8.291	65.368	1.00	0.00	C
ATOM	580	C2'	T A	19	7.565	-10.792	69.032	1.00	0.00	C
ATOM	581	C3'	T A	19	7.978	-11.987	69.877	1.00	0.00	C
ATOM	582	O3'	T A	19	7.112	-12.086	71.005	1.00	0.00	O
ATOM	583	C4'	T A	19	9.409	-11.638	70.278	1.00	0.00	C
ATOM	584	O4'	T A	19	9.404	-10.182	70.406	1.00	0.00	O
ATOM	585	C5'	T A	19	10.495	-12.036	69.305	1.00	0.00	C
ATOM	586	O5'	T A	19	10.019	-11.870	67.946	1.00	0.00	O
ATOM	587	O1P	T A	19	9.946	-14.225	67.063	1.00	0.00	O
ATOM	588	O2P	T A	19	10.281	-12.303	65.484	1.00	0.00	O
ATOM	589	P	T A	19	10.524	-12.886	66.825	1.00	0.00	P
ATOM	590	H3	T A	19	9.117	-5.355	68.634	1.00	0.00	H
ATOM	591	H6	T A	19	9.331	-9.976	67.274	1.00	0.00	H
ATOM	592	H1'	T A	19	7.639	-9.171	70.469	1.00	0.00	H
ATOM	593	H3'	T A	19	7.943	-12.917	69.310	1.00	0.00	H
ATOM	594	H4'	T A	19	9.606	-12.149	71.222	1.00	0.00	H
ATOM	595	H71	T A	19	9.520	-8.711	64.735	1.00	0.00	H
ATOM	596	H72	T A	19	10.683	-7.376	64.916	1.00	0.00	H
ATOM	597	H73	T A	19	11.113	-9.013	65.469	1.00	0.00	H
ATOM	598	H2'1	T A	19	7.880	-10.909	67.996	1.00	0.00	H
ATOM	599	H2'2	T A	19	6.481	-10.662	69.031	1.00	0.00	H
ATOM	600	H5'1	T A	19	11.370	-11.406	69.467	1.00	0.00	H
ATOM	601	H5'2	T A	19	10.766	-13.075	69.475	1.00	0.00	H
ATOM	602	C01	LNK A	20	3.723	-13.591	71.337	0.00	0.00	C
ATOM	603	O1	LNK A	20	4.863	-13.222	70.559	1.00	0.00	O
ATOM	604	S	LNK A	20	0.113	-15.186	70.811	0.00	0.00	S
ATOM	605	C02	LNK A	20	2.645	-14.191	70.414	0.00	0.00	C
ATOM	606	C03	LNK A	20	1.249	-13.767	70.911	0.00	0.00	C

ATOM	607	O1P	LNK	A	20	5.346	-11.082	69.322	1.00	0.00	O	
ATOM	608	O2P	LNK	A	20	4.701	-11.015	71.747	1.00	0.00	O	
ATOM	609	P	LNK	A	20	5.404	-11.725	70.650	1.00	0.00	P	
ATOM	610	H01	LNK	A	20	3.322	-12.710	71.838	0.00	0.00	H	
ATOM	611	H02	LNK	A	20	4.015	-14.331	72.083	0.00	0.00	H	
ATOM	612	H03	LNK	A	20	0.873	-12.956	70.288	0.00	0.00	H	
ATOM	613	H04	LNK	A	20	2.720	-15.279	70.426	0.00	0.00	H	
ATOM	614	H05	LNK	A	20	2.794	-13.828	69.398	0.00	0.00	H	
ATOM	615	H06	LNK	A	20	1.319	-13.429	71.945	0.00	0.00	H	
ATOM	616	AU	LNK	A	20	-0.528	-14.976	70.935				
TER												
ATOM	618	C1'		A	B	2	8.512	1.150	71.250	1.00	0.00	C
ATOM	619	N1		A	B	2	9.033	-3.513	69.171	1.00	0.00	N
ATOM	620	C2		A	B	2	8.561	-3.100	70.343	1.00	0.00	C
ATOM	621	N3		A	B	2	8.452	-1.878	70.816	1.00	0.00	N
ATOM	622	C4		A	B	2	8.914	-0.987	69.919	1.00	0.00	C
ATOM	623	C5		A	B	2	9.426	-1.247	68.680	1.00	0.00	C
ATOM	624	C6		A	B	2	9.484	-2.603	68.295	1.00	0.00	C
ATOM	625	N6		A	B	2	9.964	-3.010	67.107	1.00	0.00	N
ATOM	626	N7		A	B	2	9.797	-0.078	68.036	1.00	0.00	N
ATOM	627	C8		A	B	2	9.508	0.854	68.896	1.00	0.00	C
ATOM	628	N9		A	B	2	8.964	0.378	70.060	1.00	0.00	N
ATOM	629	C2'		A	B	2	9.396	2.347	71.577	1.00	0.00	C
ATOM	630	C3'		A	B	2	8.382	3.362	72.077	1.00	0.00	C
ATOM	631	O3'		A	B	2	8.132	3.128	73.461	1.00	0.00	O
ATOM	632	C4'		A	B	2	7.156	3.074	71.212	1.00	0.00	C
ATOM	633	O4'		A	B	2	7.208	1.629	70.981	1.00	0.00	O
ATOM	634	C5'		A	B	2	7.097	3.777	69.876	1.00	0.00	C
ATOM	635	O5'		A	B	2	8.429	3.866	69.310	1.00	0.00	O
ATOM	636	H2		A	B	2	8.214	-3.889	71.008	1.00	0.00	H
ATOM	637	H8		A	B	2	9.680	1.914	68.707	1.00	0.00	H
ATOM	638	H1'		A	B	2	8.451	0.466	72.097	1.00	0.00	H
ATOM	639	H3'		A	B	2	8.727	4.386	71.942	1.00	0.00	H
ATOM	640	H4'		A	B	2	6.284	3.381	71.789	1.00	0.00	H
ATOM	641	H61		A	B	2	9.981	-4.012	66.874	1.00	0.00	H
ATOM	642	H62		A	B	2	10.314	-2.316	66.429	1.00	0.00	H
ATOM	643	H2'1		A	B	2	9.930	2.719	70.702	1.00	0.00	H
ATOM	644	H2'2		A	B	2	10.138	2.116	72.341	1.00	0.00	H
ATOM	645	H5'1		A	B	2	6.450	3.213	69.204	1.00	0.00	H
ATOM	646	H5'2		A	B	2	6.687	4.775	70.016	1.00	0.00	H
ATOM	647	C1'		C	B	3	10.231	-2.054	74.633	1.00	0.00	C
ATOM	648	N1		C	B	3	10.899	-1.922	73.309	1.00	0.00	N
ATOM	649	C2		C	B	3	11.135	-3.085	72.579	1.00	0.00	C
ATOM	650	O2		C	B	3	10.781	-4.172	73.057	1.00	0.00	O
ATOM	651	N3		C	B	3	11.743	-2.987	71.372	1.00	0.00	N
ATOM	652	C4		C	B	3	12.115	-1.797	70.881	1.00	0.00	C
ATOM	653	N4		C	B	3	12.702	-1.760	69.694	1.00	0.00	N
ATOM	654	C5		C	B	3	11.889	-0.584	71.612	1.00	0.00	C
ATOM	655	C6		C	B	3	11.270	-0.705	72.825	1.00	0.00	C
ATOM	656	C2'		C	B	3	10.766	-1.098	75.688	1.00	0.00	C
ATOM	657	C3'		C	B	3	9.511	-0.758	76.477	1.00	0.00	C
ATOM	658	O3'		C	B	3	9.289	-1.768	77.459	1.00	0.00	O
ATOM	659	C4'		C	B	3	8.426	-0.750	75.401	1.00	0.00	C
ATOM	660	O4'		C	B	3	8.856	-1.776	74.448	1.00	0.00	O

ATOM	661	C5'	C B	3	8.228	0.549	74.658	1.00	0.00	C
ATOM	662	O5'	C B	3	9.508	1.200	74.460	1.00	0.00	O
ATOM	663	O1P	C B	3	9.319	3.290	75.851	1.00	0.00	O
ATOM	664	O2P	C B	3	10.831	3.247	73.848	1.00	0.00	O
ATOM	665	P	C B	3	9.570	2.793	74.483	1.00	0.00	P
ATOM	666	H5	C B	3	12.196	0.387	71.221	1.00	0.00	H
ATOM	667	H6	C B	3	11.071	0.190	73.414	1.00	0.00	H
ATOM	668	H1'	C B	3	10.322	-3.089	74.961	1.00	0.00	H
ATOM	669	H3'	C B	3	9.586	0.212	76.967	1.00	0.00	H
ATOM	670	H4'	C B	3	7.487	-0.996	75.897	1.00	0.00	H
ATOM	671	H41	C B	3	12.994	-0.857	69.293	1.00	0.00	H
ATOM	672	H42	C B	3	12.865	-2.634	69.171	1.00	0.00	H
ATOM	673	H2'1	C B	3	11.212	-0.204	75.251	1.00	0.00	H
ATOM	674	H2'2	C B	3	11.520	-1.563	76.323	1.00	0.00	H
ATOM	675	H5'1	C B	3	7.768	0.341	73.690	1.00	0.00	H
ATOM	676	H5'2	C B	3	7.571	1.195	75.236	1.00	0.00	H
ATOM	677	C1'	C B	4	12.609	-6.147	76.087	1.00	0.00	C
ATOM	678	N1	C B	4	13.258	-5.184	75.156	1.00	0.00	N
ATOM	679	C2	C B	4	13.803	-5.686	73.974	1.00	0.00	C
ATOM	680	O2	C B	4	13.726	-6.901	73.749	1.00	0.00	O
ATOM	681	N3	C B	4	14.398	-4.828	73.113	1.00	0.00	N
ATOM	682	C4	C B	4	14.468	-3.517	73.383	1.00	0.00	C
ATOM	683	N4	C B	4	15.058	-2.721	72.505	1.00	0.00	N
ATOM	684	C5	C B	4	13.921	-2.973	74.592	1.00	0.00	C
ATOM	685	C6	C B	4	13.320	-3.856	75.445	1.00	0.00	C
ATOM	686	C2'	C B	4	12.855	-5.837	77.558	1.00	0.00	C
ATOM	687	C3'	C B	4	11.532	-6.243	78.191	1.00	0.00	C
ATOM	688	O3'	C B	4	11.548	-7.643	78.452	1.00	0.00	O
ATOM	689	C4'	C B	4	10.512	-5.865	77.120	1.00	0.00	C
ATOM	690	O4'	C B	4	11.214	-6.094	75.856	1.00	0.00	O
ATOM	691	C5'	C B	4	10.011	-4.440	77.142	1.00	0.00	C
ATOM	692	O5'	C B	4	11.086	-3.546	77.523	1.00	0.00	O
ATOM	693	O1P	C B	4	10.334	-2.644	79.748	1.00	0.00	O
ATOM	694	O2P	C B	4	11.861	-1.285	78.294	1.00	0.00	O
ATOM	695	P	C B	4	10.740	-2.252	78.385	1.00	0.00	P
ATOM	696	H5	C B	4	13.980	-1.909	74.821	1.00	0.00	H
ATOM	697	H6	C B	4	12.883	-3.490	76.373	1.00	0.00	H
ATOM	698	H1'	C B	4	12.953	-7.150	75.837	1.00	0.00	H
ATOM	699	H3'	C B	4	11.344	-5.705	79.120	1.00	0.00	H
ATOM	700	H4'	C B	4	9.652	-6.522	77.254	1.00	0.00	H
ATOM	701	H41	C B	4	15.123	-1.708	72.686	1.00	0.00	H
ATOM	702	H42	C B	4	15.454	-3.114	71.636	1.00	0.00	H
ATOM	703	H2'1	C B	4	13.069	-4.783	77.728	1.00	0.00	H
ATOM	704	H2'2	C B	4	13.684	-6.412	77.968	1.00	0.00	H
ATOM	705	H5'1	C B	4	9.645	-4.174	76.150	1.00	0.00	H
ATOM	706	H5'2	C B	4	9.194	-4.360	77.859	1.00	0.00	H
ATOM	707	C1'	G B	5	15.911	-9.798	75.552	1.00	0.00	C
ATOM	708	N1	G B	5	18.260	-6.459	72.494	1.00	0.00	N
ATOM	709	C2	G B	5	18.049	-7.817	72.329	1.00	0.00	C
ATOM	710	N2	G B	5	18.527	-8.355	71.202	1.00	0.00	N
ATOM	711	N3	G B	5	17.408	-8.574	73.220	1.00	0.00	N
ATOM	712	C4	G B	5	16.999	-7.864	74.303	1.00	0.00	C
ATOM	713	C5	G B	5	17.171	-6.511	74.553	1.00	0.00	C
ATOM	714	C6	G B	5	17.845	-5.706	73.609	1.00	0.00	C

ATOM	715	O6	G B	5	18.092	-4.502	73.653	1.00	0.00	O
ATOM	716	N7	G B	5	16.602	-6.174	75.785	1.00	0.00	N
ATOM	717	C8	G B	5	16.113	-7.303	76.229	1.00	0.00	C
ATOM	718	N9	G B	5	16.317	-8.376	75.385	1.00	0.00	N
ATOM	719	C2'	G B	5	16.024	-10.303	76.984	1.00	0.00	C
ATOM	720	C3'	G B	5	14.835	-11.245	77.083	1.00	0.00	C
ATOM	721	O3'	G B	5	15.204	-12.523	76.570	1.00	0.00	O
ATOM	722	C4'	G B	5	13.782	-10.556	76.216	1.00	0.00	C
ATOM	723	O4'	G B	5	14.558	-9.910	75.156	1.00	0.00	O
ATOM	724	C5'	G B	5	12.929	-9.512	76.896	1.00	0.00	C
ATOM	725	O5'	G B	5	13.726	-8.780	77.859	1.00	0.00	O
ATOM	726	O1P	G B	5	12.700	-9.415	80.069	1.00	0.00	O
ATOM	727	O2P	G B	5	13.866	-7.209	79.816	1.00	0.00	O
ATOM	728	P	G B	5	13.031	-8.269	79.202	1.00	0.00	P
ATOM	729	H1	G B	5	18.762	-5.961	71.742	1.00	0.00	H
ATOM	730	H8	G B	5	15.595	-7.391	77.183	1.00	0.00	H
ATOM	731	H1'	G B	5	16.509	-10.406	74.874	1.00	0.00	H
ATOM	732	H21	G B	5	19.018	-7.764	70.517	1.00	0.00	H
ATOM	733	H3'	G B	5	14.484	-11.355	78.110	1.00	0.00	H
ATOM	734	H22	G B	5	18.405	-9.362	71.021	1.00	0.00	H
ATOM	735	H4'	G B	5	13.119	-11.336	75.841	1.00	0.00	H
ATOM	736	H2'1	G B	5	15.955	-9.498	77.715	1.00	0.00	H
ATOM	737	H2'2	G B	5	16.962	-10.829	77.164	1.00	0.00	H
ATOM	738	H5'1	G B	5	12.536	-8.827	76.145	1.00	0.00	H
ATOM	739	H5'2	G B	5	12.099	-10.004	77.403	1.00	0.00	H
ATOM	740	C1'	T B	6	20.038	-11.843	73.739	1.00	0.00	C
ATOM	741	N1	T B	6	20.087	-10.503	74.384	1.00	0.00	N
ATOM	742	C2	T B	6	20.698	-9.487	73.677	1.00	0.00	C
ATOM	743	O2	T B	6	21.187	-9.650	72.573	1.00	0.00	O
ATOM	744	N3	T B	6	20.720	-8.258	74.314	1.00	0.00	N
ATOM	745	C4	T B	6	20.203	-7.967	75.558	1.00	0.00	C
ATOM	746	O4	T B	6	20.286	-6.827	76.027	1.00	0.00	O
ATOM	747	C5	T B	6	19.584	-9.093	76.217	1.00	0.00	C
ATOM	748	C6	T B	6	19.543	-10.304	75.628	1.00	0.00	C
ATOM	749	C7	T B	6	19.005	-8.820	77.574	1.00	0.00	C
ATOM	750	C2'	T B	6	20.233	-12.999	74.712	1.00	0.00	C
ATOM	751	C3'	T B	6	19.308	-14.059	74.135	1.00	0.00	C
ATOM	752	O3'	T B	6	19.995	-14.770	73.105	1.00	0.00	O
ATOM	753	C4'	T B	6	18.144	-13.235	73.590	1.00	0.00	C
ATOM	754	O4'	T B	6	18.765	-11.989	73.141	1.00	0.00	O
ATOM	755	C5'	T B	6	17.041	-12.901	74.567	1.00	0.00	C
ATOM	756	O5'	T B	6	17.608	-12.654	75.879	1.00	0.00	O
ATOM	757	O1P	T B	6	16.712	-14.553	77.267	1.00	0.00	O
ATOM	758	O2P	T B	6	17.306	-12.372	78.357	1.00	0.00	O
ATOM	759	P	T B	6	16.773	-13.081	77.169	1.00	0.00	P
ATOM	760	H3	T B	6	21.169	-7.482	73.806	1.00	0.00	H
ATOM	761	H6	T B	6	19.070	-11.138	76.147	1.00	0.00	H
ATOM	762	H1'	T B	6	20.785	-11.869	72.947	1.00	0.00	H
ATOM	763	H3'	T B	6	18.970	-14.763	74.894	1.00	0.00	H
ATOM	764	H4'	T B	6	17.703	-13.809	72.775	1.00	0.00	H
ATOM	765	H71	T B	6	19.561	-9.379	78.326	1.00	0.00	H
ATOM	766	H72	T B	6	19.070	-7.754	77.791	1.00	0.00	H
ATOM	767	H73	T B	6	17.959	-9.130	77.593	1.00	0.00	H
ATOM	768	H2'1	T B	6	19.949	-12.736	75.729	1.00	0.00	H

ATOM	769	H2'2	T B	6	21.267	-13.347	74.740	1.00	0.00	H
ATOM	770	H5'1	T B	6	16.512	-12.014	74.221	1.00	0.00	H
ATOM	771	H5'2	T B	6	16.344	-13.736	74.619	1.00	0.00	H
ATOM	772	C1'	C B	7	24.612	-11.654	71.816	1.00	0.00	C
ATOM	773	N1	C B	7	24.290	-10.922	73.074	1.00	0.00	N
ATOM	774	C2	C B	7	24.629	-9.573	73.148	1.00	0.00	C
ATOM	775	O2	C B	7	25.179	-9.039	72.175	1.00	0.00	O
ATOM	776	N3	C B	7	24.344	-8.889	74.285	1.00	0.00	N
ATOM	777	C4	C B	7	23.749	-9.495	75.320	1.00	0.00	C
ATOM	778	N4	C B	7	23.492	-8.778	76.404	1.00	0.00	N
ATOM	779	C5	C B	7	23.394	-10.883	75.274	1.00	0.00	C
ATOM	780	C6	C B	7	23.686	-11.549	74.117	1.00	0.00	C
ATOM	781	C2'	C B	7	25.079	-13.084	72.041	1.00	0.00	C
ATOM	782	C3'	C B	7	24.480	-13.804	70.842	1.00	0.00	C
ATOM	783	O3'	C B	7	25.355	-13.661	69.726	1.00	0.00	O
ATOM	784	C4'	C B	7	23.155	-13.075	70.635	1.00	0.00	C
ATOM	785	O4'	C B	7	23.437	-11.695	71.029	1.00	0.00	O
ATOM	786	C5'	C B	7	21.978	-13.576	71.441	1.00	0.00	C
ATOM	787	O5'	C B	7	22.427	-13.993	72.755	1.00	0.00	O
ATOM	788	O1P	C B	7	22.023	-16.478	72.748	1.00	0.00	O
ATOM	789	O2P	C B	7	21.997	-15.208	74.911	1.00	0.00	O
ATOM	790	P	C B	7	21.700	-15.226	73.460	1.00	0.00	P
ATOM	791	H5	C B	7	22.915	-11.380	76.117	1.00	0.00	H
ATOM	792	H6	C B	7	23.428	-12.605	74.030	1.00	0.00	H
ATOM	793	H1'	C B	7	25.361	-11.078	71.271	1.00	0.00	H
ATOM	794	H3'	C B	7	24.319	-14.865	71.042	1.00	0.00	H
ATOM	795	H4'	C B	7	22.899	-13.174	69.581	1.00	0.00	H
ATOM	796	H41	C B	7	23.032	-9.218	77.214	1.00	0.00	H
ATOM	797	H42	C B	7	23.750	-7.780	76.437	1.00	0.00	H
ATOM	798	H2'1	C B	7	24.709	-13.498	72.978	1.00	0.00	H
ATOM	799	H2'2	C B	7	26.166	-13.167	72.053	1.00	0.00	H
ATOM	800	H5'1	C B	7	21.244	-12.777	71.539	1.00	0.00	H
ATOM	801	H5'2	C B	7	21.525	-14.420	70.922	1.00	0.00	H
ATOM	802	C1'	C B	8	29.033	-9.560	71.039	1.00	0.00	C
ATOM	803	N1	C B	8	28.502	-9.717	72.421	1.00	0.00	N
ATOM	804	C2	C B	8	28.484	-8.592	73.244	1.00	0.00	C
ATOM	805	O2	C B	8	28.905	-7.518	72.795	1.00	0.00	O
ATOM	806	N3	C B	8	28.003	-8.712	74.505	1.00	0.00	N
ATOM	807	C4	C B	8	27.553	-9.888	74.961	1.00	0.00	C
ATOM	808	N4	C B	8	27.092	-9.948	76.203	1.00	0.00	N
ATOM	809	C5	C B	8	27.564	-11.064	74.140	1.00	0.00	C
ATOM	810	C6	C B	8	28.048	-10.917	72.871	1.00	0.00	C
ATOM	811	C2'	C B	8	29.844	-10.756	70.555	1.00	0.00	C
ATOM	812	C3'	C B	8	29.481	-10.807	69.079	1.00	0.00	C
ATOM	813	O3'	C B	8	30.320	-9.907	68.360	1.00	0.00	O
ATOM	814	C4'	C B	8	28.020	-10.365	69.073	1.00	0.00	C
ATOM	815	O4'	C B	8	27.929	-9.400	70.170	1.00	0.00	O
ATOM	816	C5'	C B	8	26.989	-11.446	69.294	1.00	0.00	C
ATOM	817	O5'	C B	8	27.492	-12.413	70.250	1.00	0.00	O
ATOM	818	O1P	C B	8	27.735	-14.512	68.882	1.00	0.00	O
ATOM	819	O2P	C B	8	27.326	-14.664	71.353	1.00	0.00	O
ATOM	820	P	C B	8	27.084	-13.944	70.080	1.00	0.00	P
ATOM	821	H5	C B	8	27.207	-12.025	74.508	1.00	0.00	H
ATOM	822	H6	C B	8	28.071	-11.781	72.206	1.00	0.00	H

ATOM	823	H1'	C B	8	29.627	-8.646	71.003	1.00	0.00	H
ATOM	824	H3'	C B	8	29.590	-11.810	68.668	1.00	0.00	H
ATOM	825	H4'	C B	8	27.828	-9.920	68.096	1.00	0.00	H
ATOM	826	H41	C B	8	26.737	-10.840	76.578	1.00	0.00	H
ATOM	827	H42	C B	8	27.086	-9.102	76.791	1.00	0.00	H
ATOM	828	H2'1	C B	8	29.565	-11.678	71.065	1.00	0.00	H
ATOM	829	H2'2	C B	8	30.915	-10.613	70.697	1.00	0.00	H
ATOM	830	H5'1	C B	8	26.072	-10.996	69.676	1.00	0.00	H
ATOM	831	H5'2	C B	8	26.779	-11.940	68.348	1.00	0.00	H
ATOM	832	C1'	T B	9	32.802	-6.560	72.173	1.00	0.00	C
ATOM	833	N1	T B	9	32.289	-7.528	73.178	1.00	0.00	N
ATOM	834	C2	T B	9	31.977	-7.034	74.427	1.00	0.00	C
ATOM	835	O2	T B	9	32.107	-5.859	74.723	1.00	0.00	O
ATOM	836	N3	T B	9	31.502	-7.968	75.329	1.00	0.00	N
ATOM	837	C4	T B	9	31.323	-9.315	75.100	1.00	0.00	C
ATOM	838	O4	T B	9	30.893	-10.059	75.990	1.00	0.00	O
ATOM	839	C5	T B	9	31.675	-9.738	73.764	1.00	0.00	C
ATOM	840	C6	T B	9	32.140	-8.856	72.859	1.00	0.00	C
ATOM	841	C7	T B	9	31.492	-11.197	73.469	1.00	0.00	C
ATOM	842	C2'	T B	9	33.897	-7.127	71.275	1.00	0.00	C
ATOM	843	C3'	T B	9	33.599	-6.451	69.947	1.00	0.00	C
ATOM	844	O3'	T B	9	34.210	-5.162	69.929	1.00	0.00	O
ATOM	845	C4'	T B	9	32.073	-6.369	69.941	1.00	0.00	C
ATOM	846	O4'	T B	9	31.719	-6.177	71.348	1.00	0.00	O
ATOM	847	C5'	T B	9	31.337	-7.579	69.416	1.00	0.00	C
ATOM	848	O5'	T B	9	32.038	-8.785	69.807	1.00	0.00	O
ATOM	849	O1P	T B	9	32.831	-9.733	67.615	1.00	0.00	O
ATOM	850	O2P	T B	9	32.405	-11.259	69.560	1.00	0.00	O
ATOM	851	P	T B	9	32.025	-10.035	68.816	1.00	0.00	P
ATOM	852	H3	T B	9	31.259	-7.623	76.270	1.00	0.00	H
ATOM	853	H6	T B	9	32.399	-9.199	71.859	1.00	0.00	H
ATOM	854	H1'	T B	9	33.151	-5.671	72.700	1.00	0.00	H
ATOM	855	H3'	T B	9	33.964	-7.035	69.103	1.00	0.00	H
ATOM	856	H4'	T B	9	31.805	-5.516	69.314	1.00	0.00	H
ATOM	857	H71	T B	9	32.464	-11.657	73.287	1.00	0.00	H
ATOM	858	H72	T B	9	31.013	-11.684	74.320	1.00	0.00	H
ATOM	859	H73	T B	9	30.864	-11.313	72.585	1.00	0.00	H
ATOM	860	H2'1	T B	9	33.841	-8.210	71.192	1.00	0.00	H
ATOM	861	H2'2	T B	9	34.895	-6.876	71.634	1.00	0.00	H
ATOM	862	H5'1	T B	9	30.327	-7.589	69.827	1.00	0.00	H
ATOM	863	H5'2	T B	9	31.282	-7.519	68.331	1.00	0.00	H
ATOM	864	C1'	A B	10	35.643	-3.979	75.320	1.00	0.00	C
ATOM	865	N1	A B	10	34.036	-7.453	78.738	1.00	0.00	N
ATOM	866	C2	A B	10	34.196	-6.134	78.803	1.00	0.00	C
ATOM	867	N3	A B	10	34.613	-5.296	77.880	1.00	0.00	N
ATOM	868	C4	A B	10	34.900	-5.957	76.745	1.00	0.00	C
ATOM	869	C5	A B	10	34.793	-7.301	76.515	1.00	0.00	C
ATOM	870	C6	A B	10	34.330	-8.086	77.592	1.00	0.00	C
ATOM	871	N6	A B	10	34.175	-9.419	77.512	1.00	0.00	N
ATOM	872	N7	A B	10	35.176	-7.620	75.224	1.00	0.00	N
ATOM	873	C8	A B	10	35.508	-6.473	74.707	1.00	0.00	C
ATOM	874	N9	A B	10	35.364	-5.419	75.570	1.00	0.00	N
ATOM	875	C2'	A B	10	36.867	-3.735	74.448	1.00	0.00	C
ATOM	876	C3'	A B	10	36.445	-2.514	73.643	1.00	0.00	C

ATOM	877	O3'	A B	10	36.709	-1.337	74.403	1.00	0.00	O
ATOM	878	C4'	A B	10	34.947	-2.744	73.438	1.00	0.00	C
ATOM	879	O4'	A B	10	34.518	-3.431	74.658	1.00	0.00	O
ATOM	880	C5'	A B	10	34.555	-3.585	72.246	1.00	0.00	C
ATOM	881	O5'	A B	10	35.527	-4.645	72.050	1.00	0.00	O
ATOM	882	O1P	A B	10	36.591	-4.057	69.847	1.00	0.00	O
ATOM	883	O2P	A B	10	36.513	-6.446	70.605	1.00	0.00	O
ATOM	884	P	A B	10	35.857	-5.117	70.563	1.00	0.00	P
ATOM	885	H2	A B	10	33.944	-5.684	79.763	1.00	0.00	H
ATOM	886	H8	A B	10	35.869	-6.363	73.684	1.00	0.00	H
ATOM	887	H1'	A B	10	35.743	-3.479	76.283	1.00	0.00	H
ATOM	888	H3'	A B	10	36.966	-2.454	72.688	1.00	0.00	H
ATOM	889	H4'	A B	10	34.491	-1.763	73.319	1.00	0.00	H
ATOM	890	H61	A B	10	33.830	-9.945	78.328	1.00	0.00	H
ATOM	891	H62	A B	10	34.399	-9.913	76.637	1.00	0.00	H
ATOM	892	H2'1	A B	10	37.089	-4.580	73.799	1.00	0.00	H
ATOM	893	H2'2	A B	10	37.761	-3.528	75.039	1.00	0.00	H
ATOM	894	H5'1	A B	10	33.570	-4.017	72.422	1.00	0.00	H
ATOM	895	H5'2	A B	10	34.516	-2.953	71.361	1.00	0.00	H
ATOM	896	C1'	G B	11	37.639	-3.053	79.771	1.00	0.00	C
ATOM	897	N1	G B	11	36.890	-8.042	80.531	1.00	0.00	N
ATOM	898	C2	G B	11	36.677	-6.972	81.382	1.00	0.00	C
ATOM	899	N2	G B	11	36.202	-7.271	82.597	1.00	0.00	N
ATOM	900	N3	G B	11	36.915	-5.705	81.046	1.00	0.00	N
ATOM	901	C4	G B	11	37.399	-5.589	79.781	1.00	0.00	C
ATOM	902	C5	G B	11	37.648	-6.596	78.865	1.00	0.00	C
ATOM	903	C6	G B	11	37.391	-7.942	79.219	1.00	0.00	C
ATOM	904	O6	G B	11	37.547	-8.964	78.550	1.00	0.00	O
ATOM	905	N7	G B	11	38.144	-6.057	77.677	1.00	0.00	N
ATOM	906	C8	G B	11	38.177	-4.768	77.903	1.00	0.00	C
ATOM	907	N9	G B	11	37.741	-4.407	79.162	1.00	0.00	N
ATOM	908	C2'	G B	11	38.778	-2.120	79.387	1.00	0.00	C
ATOM	909	C3'	G B	11	38.072	-0.776	79.298	1.00	0.00	C
ATOM	910	O3'	G B	11	37.999	-0.200	80.599	1.00	0.00	O
ATOM	911	C4'	G B	11	36.695	-1.151	78.753	1.00	0.00	C
ATOM	912	O4'	G B	11	36.429	-2.471	79.327	1.00	0.00	O
ATOM	913	C5'	G B	11	36.569	-1.241	77.251	1.00	0.00	C
ATOM	914	O5'	G B	11	37.789	-1.783	76.688	1.00	0.00	O
ATOM	915	O1P	G B	11	38.720	0.136	75.354	1.00	0.00	O
ATOM	916	O2P	G B	11	39.252	-2.225	74.694	1.00	0.00	O
ATOM	917	P	G B	11	38.273	-1.265	75.259	1.00	0.00	P
ATOM	918	H1	G B	11	36.667	-8.983	80.886	1.00	0.00	H
ATOM	919	H8	G B	11	38.520	-4.044	77.165	1.00	0.00	H
ATOM	920	H1'	G B	11	37.576	-3.169	80.853	1.00	0.00	H
ATOM	921	H21	G B	11	36.016	-8.254	82.848	1.00	0.00	H
ATOM	922	H3'	G B	11	38.586	-0.088	78.627	1.00	0.00	H
ATOM	923	H22	G B	11	36.024	-6.520	83.280	1.00	0.00	H
ATOM	924	H4'	G B	11	35.999	-0.388	79.101	1.00	0.00	H
ATOM	925	H2'1	G B	11	39.232	-2.393	78.433	1.00	0.00	H
ATOM	926	H2'2	G B	11	39.570	-2.104	80.135	1.00	0.00	H
ATOM	927	H5'1	G B	11	35.728	-1.886	77.001	1.00	0.00	H
ATOM	928	H5'2	G B	11	36.388	-0.244	76.848	1.00	0.00	H
ATOM	929	C1'	G B	12	39.214	-4.311	84.294	1.00	0.00	C
ATOM	930	N1	G B	12	39.742	-8.934	82.205	1.00	0.00	N

ATOM	931	C2	G B	12	39.239	-8.570	83.442	1.00	0.00	C
ATOM	932	N2	G B	12	38.823	-9.572	84.228	1.00	0.00	N
ATOM	933	N3	G B	12	39.157	-7.309	83.860	1.00	0.00	N
ATOM	934	C4	G B	12	39.630	-6.429	82.941	1.00	0.00	C
ATOM	935	C5	G B	12	40.152	-6.698	81.688	1.00	0.00	C
ATOM	936	C6	G B	12	40.236	-8.037	81.241	1.00	0.00	C
ATOM	937	O6	G B	12	40.666	-8.473	80.173	1.00	0.00	O
ATOM	938	N7	G B	12	40.527	-5.512	81.054	1.00	0.00	N
ATOM	939	C8	G B	12	40.224	-4.581	81.921	1.00	0.00	C
ATOM	940	N9	G B	12	39.675	-5.060	83.093	1.00	0.00	N
ATOM	941	C2'	G B	12	40.088	-3.114	84.643	1.00	0.00	C
ATOM	942	C3'	G B	12	39.066	-2.112	85.157	1.00	0.00	C
ATOM	943	O3'	G B	12	38.813	-2.368	86.537	1.00	0.00	O
ATOM	944	C4'	G B	12	37.846	-2.394	84.283	1.00	0.00	C
ATOM	945	O4'	G B	12	37.909	-3.833	84.030	1.00	0.00	O
ATOM	946	C5'	G B	12	37.788	-1.673	82.958	1.00	0.00	C
ATOM	947	O5'	G B	12	39.121	-1.565	82.400	1.00	0.00	O
ATOM	948	O1P	G B	12	39.569	0.911	82.435	1.00	0.00	O
ATOM	949	O2P	G B	12	40.704	-0.544	80.735	1.00	0.00	O
ATOM	950	P	G B	12	39.496	-0.267	81.551	1.00	0.00	P
ATOM	951	H1	G B	12	39.756	-9.940	81.974	1.00	0.00	H
ATOM	952	H8	G B	12	40.390	-3.520	81.737	1.00	0.00	H
ATOM	953	H1'	G B	12	39.154	-5.008	85.129	1.00	0.00	H
ATOM	954	H21	G B	12	38.886	-10.546	83.895	1.00	0.00	H
ATOM	955	H3'	G B	12	39.406	-1.084	85.038	1.00	0.00	H
ATOM	956	H22	G B	12	38.440	-9.368	85.161	1.00	0.00	H
ATOM	957	H4'	G B	12	36.968	-2.102	84.860	1.00	0.00	H
ATOM	958	H2'1	G B	12	40.624	-2.725	83.776	1.00	0.00	H
ATOM	959	H2'2	G B	12	40.830	-3.351	85.407	1.00	0.00	H
ATOM	960	H5'1	G B	12	37.147	-2.229	82.275	1.00	0.00	H
ATOM	961	H5'2	G B	12	37.371	-0.677	83.111	1.00	0.00	H
ATOM	962	C1'	T B	13	40.927	-7.471	87.696	1.00	0.00	C
ATOM	963	N1	T B	13	41.595	-7.363	86.373	1.00	0.00	N
ATOM	964	C2	T B	13	41.813	-8.536	85.678	1.00	0.00	C
ATOM	965	O2	T B	13	41.484	-9.627	86.110	1.00	0.00	O
ATOM	966	N3	T B	13	42.435	-8.390	84.453	1.00	0.00	N
ATOM	967	C4	T B	13	42.850	-7.206	83.877	1.00	0.00	C
ATOM	968	O4	T B	13	43.401	-7.200	82.770	1.00	0.00	O
ATOM	969	C5	T B	13	42.578	-6.035	84.676	1.00	0.00	C
ATOM	970	C6	T B	13	41.972	-6.140	85.874	1.00	0.00	C
ATOM	971	C7	T B	13	43.009	-4.724	84.088	1.00	0.00	C
ATOM	972	C2'	T B	13	41.469	-6.500	88.739	1.00	0.00	C
ATOM	973	C3'	T B	13	40.216	-6.145	89.523	1.00	0.00	C
ATOM	974	O3'	T B	13	39.992	-7.137	90.521	1.00	0.00	O
ATOM	975	C4'	T B	13	39.130	-6.148	88.449	1.00	0.00	C
ATOM	976	O4'	T B	13	39.554	-7.189	87.511	1.00	0.00	O
ATOM	977	C5'	T B	13	38.938	-4.858	87.685	1.00	0.00	C
ATOM	978	O5'	T B	13	40.221	-4.216	87.477	1.00	0.00	O
ATOM	979	O1P	T B	13	40.044	-2.107	88.838	1.00	0.00	O
ATOM	980	O2P	T B	13	41.554	-2.185	86.835	1.00	0.00	O
ATOM	981	P	T B	13	40.291	-2.624	87.476	1.00	0.00	P
ATOM	982	H3	T B	13	42.606	-9.251	83.914	1.00	0.00	H
ATOM	983	H6	T B	13	41.779	-5.241	86.459	1.00	0.00	H
ATOM	984	H1'	T B	13	41.014	-8.502	88.041	1.00	0.00	H

ATOM	985	H3'	T	B	13	40.297	-5.168	89.999	1.00	0.00	H
ATOM	986	H4'	T	B	13	38.191	-6.381	88.951	1.00	0.00	H
ATOM	987	H71	T	B	13	43.801	-4.293	84.700	1.00	0.00	H
ATOM	988	H72	T	B	13	43.381	-4.885	83.074	1.00	0.00	H
ATOM	989	H73	T	B	13	42.160	-4.040	84.057	1.00	0.00	H
ATOM	990	H2'1	T	B	13	41.918	-5.618	88.287	1.00	0.00	H
ATOM	991	H2'2	T	B	13	42.222	-6.959	89.380	1.00	0.00	H
ATOM	992	H5'1	T	B	13	38.473	-5.079	86.724	1.00	0.00	H
ATOM	993	H5'2	T	B	13	38.285	-4.199	88.256	1.00	0.00	H
ATOM	994	C1'	G	B	14	43.312	-11.582	89.135	1.00	0.00	C
ATOM	995	N1	G	B	14	45.754	-11.059	84.688	1.00	0.00	N
ATOM	996	C2	G	B	14	45.251	-12.196	85.296	1.00	0.00	C
ATOM	997	N2	G	B	14	45.424	-13.345	84.635	1.00	0.00	N
ATOM	998	N3	G	B	14	44.626	-12.184	86.473	1.00	0.00	N
ATOM	999	C4	G	B	14	44.546	-10.934	87.004	1.00	0.00	C
ATOM	1000	C5	G	B	14	45.021	-9.749	86.472	1.00	0.00	C
ATOM	1001	C6	G	B	14	45.682	-9.758	85.222	1.00	0.00	C
ATOM	1002	O6	G	B	14	46.168	-8.817	84.594	1.00	0.00	O
ATOM	1003	N7	G	B	14	44.739	-8.685	87.333	1.00	0.00	N
ATOM	1004	C8	G	B	14	44.113	-9.250	88.335	1.00	0.00	C
ATOM	1005	N9	G	B	14	43.960	-10.615	88.209	1.00	0.00	N
ATOM	1006	C2'	G	B	14	43.550	-11.275	90.608	1.00	0.00	C
ATOM	1007	C3'	G	B	14	42.229	-11.686	91.238	1.00	0.00	C
ATOM	1008	O3'	G	B	14	42.251	-13.087	91.495	1.00	0.00	O
ATOM	1009	C4'	G	B	14	41.211	-11.309	90.163	1.00	0.00	C
ATOM	1010	O4'	G	B	14	41.917	-11.534	88.903	1.00	0.00	O
ATOM	1011	C5'	G	B	14	40.703	-9.888	90.188	1.00	0.00	C
ATOM	1012	O5'	G	B	14	41.775	-8.990	90.572	1.00	0.00	O
ATOM	1013	O1P	G	B	14	41.014	-8.094	92.797	1.00	0.00	O
ATOM	1014	O2P	G	B	14	42.539	-6.726	91.350	1.00	0.00	O
ATOM	1015	P	G	B	14	41.421	-7.697	91.436	1.00	0.00	P
ATOM	1016	H1	G	B	14	46.216	-11.174	83.772	1.00	0.00	H
ATOM	1017	H8	G	B	14	43.747	-8.690	89.197	1.00	0.00	H
ATOM	1018	H1'	G	B	14	43.659	-12.585	88.883	1.00	0.00	H
ATOM	1019	H21	G	B	14	45.906	-13.345	83.722	1.00	0.00	H
ATOM	1020	H3'	G	B	14	42.036	-11.150	92.167	1.00	0.00	H
ATOM	1021	H22	G	B	14	45.077	-14.228	85.034	1.00	0.00	H
ATOM	1022	H4'	G	B	14	40.354	-11.971	90.294	1.00	0.00	H
ATOM	1023	H2'1	G	B	14	43.762	-10.220	90.781	1.00	0.00	H
ATOM	1024	H2'2	G	B	14	44.382	-11.847	91.019	1.00	0.00	H
ATOM	1025	H5'1	G	B	14	40.339	-9.620	89.196	1.00	0.00	H
ATOM	1026	H5'2	G	B	14	39.885	-9.812	90.902	1.00	0.00	H
ATOM	1027	C1'	C	B	15	46.613	-15.234	88.601	1.00	0.00	C
ATOM	1028	N1	C	B	15	47.020	-13.814	88.428	1.00	0.00	N
ATOM	1029	C2	C	B	15	47.708	-13.469	87.266	1.00	0.00	C
ATOM	1030	O2	C	B	15	47.949	-14.351	86.431	1.00	0.00	O
ATOM	1031	N3	C	B	15	48.089	-12.180	87.089	1.00	0.00	N
ATOM	1032	C4	C	B	15	47.814	-11.249	88.010	1.00	0.00	C
ATOM	1033	N4	C	B	15	48.206	-10.004	87.785	1.00	0.00	N
ATOM	1034	C5	C	B	15	47.112	-11.575	89.219	1.00	0.00	C
ATOM	1035	C6	C	B	15	46.734	-12.878	89.372	1.00	0.00	C
ATOM	1036	C2'	C	B	15	46.731	-15.737	90.032	1.00	0.00	C
ATOM	1037	C3'	C	B	15	45.538	-16.676	90.141	1.00	0.00	C
ATOM	1038	O3'	C	B	15	45.903	-17.957	89.628	1.00	0.00	O

ATOM	1039	C4'	C B	15	44.486	-15.988	89.273	1.00	0.00	C
ATOM	1040	O4'	C B	15	45.257	-15.344	88.209	1.00	0.00	O
ATOM	1041	C5'	C B	15	43.637	-14.938	89.956	1.00	0.00	C
ATOM	1042	O5'	C B	15	44.439	-14.207	90.915	1.00	0.00	O
ATOM	1043	O1P	C B	15	43.421	-14.835	93.129	1.00	0.00	O
ATOM	1044	O2P	C B	15	44.589	-12.631	92.868	1.00	0.00	O
ATOM	1045	P	C B	15	43.750	-13.690	92.257	1.00	0.00	P
ATOM	1046	H5	C B	15	46.893	-10.822	89.974	1.00	0.00	H
ATOM	1047	H6	C B	15	46.194	-13.174	90.271	1.00	0.00	H
ATOM	1048	H1'	C B	15	47.208	-15.845	87.922	1.00	0.00	H
ATOM	1049	H3'	C B	15	45.193	-16.782	91.168	1.00	0.00	H
ATOM	1050	H4'	C B	15	43.818	-16.766	88.906	1.00	0.00	H
ATOM	1051	H41	C B	15	48.006	-9.267	88.475	1.00	0.00	H
ATOM	1052	H42	C B	15	48.713	-9.772	86.916	1.00	0.00	H
ATOM	1053	H2'1	C B	15	46.666	-14.929	90.761	1.00	0.00	H
ATOM	1054	H2'2	C B	15	47.668	-16.264	90.211	1.00	0.00	H
ATOM	1055	H5'1	C B	15	43.243	-14.254	89.205	1.00	0.00	H
ATOM	1056	H5'2	C B	15	42.807	-15.427	90.467	1.00	0.00	H
ATOM	1057	C1'	G B	16	50.749	-17.257	86.780	1.00	0.00	C
ATOM	1058	N1	G B	16	52.254	-12.403	86.342	1.00	0.00	N
ATOM	1059	C2	G B	16	52.399	-13.460	85.463	1.00	0.00	C
ATOM	1060	N2	G B	16	53.031	-13.188	84.312	1.00	0.00	N
ATOM	1061	N3	G B	16	51.950	-14.690	85.708	1.00	0.00	N
ATOM	1062	C4	G B	16	51.342	-14.785	86.920	1.00	0.00	C
ATOM	1063	C5	G B	16	51.157	-13.788	87.863	1.00	0.00	C
ATOM	1064	C6	G B	16	51.630	-12.482	87.601	1.00	0.00	C
ATOM	1065	O6	G B	16	51.560	-11.474	88.307	1.00	0.00	O
ATOM	1066	N7	G B	16	50.488	-14.297	88.978	1.00	0.00	N
ATOM	1067	C8	G B	16	50.291	-15.557	88.682	1.00	0.00	C
ATOM	1068	N9	G B	16	50.784	-15.929	87.447	1.00	0.00	N
ATOM	1069	C2'	G B	16	50.948	-18.428	87.734	1.00	0.00	C
ATOM	1070	C3'	G B	16	50.035	-19.485	87.134	1.00	0.00	C
ATOM	1071	O3'	G B	16	50.732	-20.172	86.096	1.00	0.00	O
ATOM	1072	C4'	G B	16	48.867	-18.661	86.596	1.00	0.00	C
ATOM	1073	O4'	G B	16	49.482	-17.401	86.171	1.00	0.00	O
ATOM	1074	C5'	G B	16	47.758	-18.351	87.574	1.00	0.00	C
ATOM	1075	O5'	G B	16	48.315	-18.123	88.891	1.00	0.00	O
ATOM	1076	O1P	G B	16	47.425	-20.050	90.243	1.00	0.00	O
ATOM	1077	O2P	G B	16	47.997	-17.884	91.373	1.00	0.00	O
ATOM	1078	P	G B	16	47.475	-18.578	90.169	1.00	0.00	P
ATOM	1079	H1	G B	16	52.633	-11.488	86.052	1.00	0.00	H
ATOM	1080	H8	G B	16	49.784	-16.251	89.351	1.00	0.00	H
ATOM	1081	H1'	G B	16	51.502	-17.264	85.991	1.00	0.00	H
ATOM	1082	H21	G B	16	53.373	-12.234	84.128	1.00	0.00	H
ATOM	1083	H3'	G B	16	49.698	-20.205	87.880	1.00	0.00	H
ATOM	1084	H22	G B	16	53.173	-13.934	83.617	1.00	0.00	H
ATOM	1085	H4'	G B	16	48.436	-19.224	85.769	1.00	0.00	H
ATOM	1086	H2'1	G B	16	50.655	-18.183	88.755	1.00	0.00	H
ATOM	1087	H2'2	G B	16	51.984	-18.768	87.761	1.00	0.00	H
ATOM	1088	H5'1	G B	16	47.224	-17.462	87.239	1.00	0.00	H
ATOM	1089	H5'2	G B	16	47.066	-19.194	87.606	1.00	0.00	H
ATOM	1090	C1'	G B	17	55.314	-17.088	84.866	1.00	0.00	C
ATOM	1091	N1	G B	17	55.543	-12.598	87.277	1.00	0.00	N
ATOM	1092	C2	G B	17	55.977	-12.950	86.011	1.00	0.00	C

ATOM	1093	N2	G B	17	56.550	-11.976	85.293	1.00	0.00	N
ATOM	1094	N3	G B	17	55.849	-14.173	85.503	1.00	0.00	N
ATOM	1095	C4	G B	17	55.254	-15.033	86.371	1.00	0.00	C
ATOM	1096	C5	G B	17	54.794	-14.773	87.650	1.00	0.00	C
ATOM	1097	C6	G B	17	54.926	-13.475	88.190	1.00	0.00	C
ATOM	1098	O6	G B	17	54.582	-13.054	89.295	1.00	0.00	O
ATOM	1099	N7	G B	17	54.246	-15.930	88.211	1.00	0.00	N
ATOM	1100	C8	G B	17	54.386	-16.832	87.274	1.00	0.00	C
ATOM	1101	N9	G B	17	54.991	-16.364	86.126	1.00	0.00	N
ATOM	1102	C2'	G B	17	55.778	-18.522	85.086	1.00	0.00	C
ATOM	1103	C3'	G B	17	55.181	-19.236	83.884	1.00	0.00	C
ATOM	1104	O3'	G B	17	56.059	-19.090	82.770	1.00	0.00	O
ATOM	1105	C4'	G B	17	53.857	-18.504	83.676	1.00	0.00	C
ATOM	1106	O4'	G B	17	54.140	-17.126	84.076	1.00	0.00	O
ATOM	1107	C5'	G B	17	52.679	-19.007	84.476	1.00	0.00	C
ATOM	1108	O5'	G B	17	53.123	-19.429	85.790	1.00	0.00	O
ATOM	1109	O1P	G B	17	52.716	-21.913	85.772	1.00	0.00	O
ATOM	1110	O2P	G B	17	52.685	-20.654	87.942	1.00	0.00	O
ATOM	1111	P	G B	17	52.392	-20.665	86.488	1.00	0.00	P
ATOM	1112	H1	G B	17	55.684	-11.620	87.574	1.00	0.00	H
ATOM	1113	H8	G B	17	54.054	-17.863	87.389	1.00	0.00	H
ATOM	1114	H1'	G B	17	56.064	-16.513	84.325	1.00	0.00	H
ATOM	1115	H21	G B	17	56.643	-11.030	85.690	1.00	0.00	H
ATOM	1116	H3'	G B	17	55.018	-20.296	84.078	1.00	0.00	H
ATOM	1117	H22	G B	17	56.895	-12.174	84.344	1.00	0.00	H
ATOM	1118	H4'	G B	17	53.606	-18.597	82.620	1.00	0.00	H
ATOM	1119	H2'1	G B	17	55.405	-18.939	86.021	1.00	0.00	H
ATOM	1120	H2'2	G B	17	56.864	-18.607	85.101	1.00	0.00	H
ATOM	1121	H5'1	G B	17	51.945	-18.208	84.575	1.00	0.00	H
ATOM	1122	H5'2	G B	17	52.224	-19.849	83.953	1.00	0.00	H
ATOM	1123	C1'	C B	18	59.736	-14.996	84.089	1.00	0.00	C
ATOM	1124	N1	C B	18	59.203	-15.151	85.471	1.00	0.00	N
ATOM	1125	C2	C B	18	59.184	-14.027	86.293	1.00	0.00	C
ATOM	1126	O2	C B	18	59.606	-12.953	85.845	1.00	0.00	O
ATOM	1127	N3	C B	18	58.705	-14.148	87.553	1.00	0.00	N
ATOM	1128	C4	C B	18	58.255	-15.325	88.008	1.00	0.00	C
ATOM	1129	N4	C B	18	57.795	-15.384	89.250	1.00	0.00	N
ATOM	1130	C5	C B	18	58.265	-16.498	87.186	1.00	0.00	C
ATOM	1131	C6	C B	18	58.750	-16.351	85.921	1.00	0.00	C
ATOM	1132	C2'	C B	18	60.546	-16.192	83.605	1.00	0.00	C
ATOM	1133	C3'	C B	18	60.183	-16.243	82.128	1.00	0.00	C
ATOM	1134	O3'	C B	18	61.023	-15.343	81.409	1.00	0.00	O
ATOM	1135	C4'	C B	18	58.722	-15.800	82.122	1.00	0.00	C
ATOM	1136	O4'	C B	18	58.630	-14.836	83.219	1.00	0.00	O
ATOM	1137	C5'	C B	18	57.690	-16.881	82.343	1.00	0.00	C
ATOM	1138	O5'	C B	18	58.194	-17.849	83.301	1.00	0.00	O
ATOM	1139	O1P	C B	18	58.437	-19.948	81.932	1.00	0.00	O
ATOM	1140	O2P	C B	18	58.028	-20.101	84.403	1.00	0.00	O
ATOM	1141	P	C B	18	57.786	-19.381	83.130	1.00	0.00	P
ATOM	1142	H5	C B	18	57.904	-17.457	87.554	1.00	0.00	H
ATOM	1143	H6	C B	18	58.775	-17.215	85.257	1.00	0.00	H
ATOM	1144	H1'	C B	18	60.327	-14.083	84.052	1.00	0.00	H
ATOM	1145	H3'	C B	18	60.292	-17.246	81.717	1.00	0.00	H
ATOM	1146	H4'	C B	18	58.529	-15.355	81.146	1.00	0.00	H

ATOM	1147	H41	C	B	18	57.441	-16.278	89.625	1.00	0.00	H
ATOM	1148	H42	C	B	18	57.789	-14.540	89.839	1.00	0.00	H
ATOM	1149	H2'1	C	B	18	60.268	-17.113	84.114	1.00	0.00	H
ATOM	1150	H2'2	C	B	18	61.617	-16.049	83.746	1.00	0.00	H
ATOM	1151	H5'1	C	B	18	56.774	-16.432	82.724	1.00	0.00	H
ATOM	1152	H5'2	C	B	18	57.481	-17.376	81.397	1.00	0.00	H
ATOM	1153	C1'	C	B	19	63.498	-11.991	85.243	1.00	0.00	C
ATOM	1154	N1	C	B	19	62.985	-12.977	86.234	1.00	0.00	N
ATOM	1155	C2	C	B	19	62.657	-12.512	87.507	1.00	0.00	C
ATOM	1156	O2	C	B	19	62.802	-11.310	87.761	1.00	0.00	O
ATOM	1157	N3	C	B	19	62.188	-13.395	88.423	1.00	0.00	N
ATOM	1158	C4	C	B	19	62.043	-14.691	88.116	1.00	0.00	C
ATOM	1159	N4	C	B	19	61.580	-15.509	89.049	1.00	0.00	N
ATOM	1160	C5	C	B	19	62.374	-15.194	86.818	1.00	0.00	C
ATOM	1161	C6	C	B	19	62.842	-14.289	85.912	1.00	0.00	C
ATOM	1162	C2'	C	B	19	64.598	-12.538	84.346	1.00	0.00	C
ATOM	1163	C3'	C	B	19	64.302	-11.846	83.024	1.00	0.00	C
ATOM	1164	O3'	C	B	19	64.905	-10.555	83.027	1.00	0.00	O
ATOM	1165	C4'	C	B	19	62.777	-11.772	83.013	1.00	0.00	C
ATOM	1166	O4'	C	B	19	62.413	-11.604	84.421	1.00	0.00	O
ATOM	1167	C5'	C	B	19	62.049	-12.980	82.470	1.00	0.00	C
ATOM	1168	O5'	C	B	19	62.756	-14.190	82.846	1.00	0.00	O
ATOM	1169	O1P	C	B	19	63.564	-15.102	80.644	1.00	0.00	O
ATOM	1170	O2P	C	B	19	63.140	-16.656	82.567	1.00	0.00	O
ATOM	1171	P	C	B	19	62.756	-15.423	81.837	1.00	0.00	P
ATOM	1172	H5	C	B	19	62.258	-16.247	86.564	1.00	0.00	H
ATOM	1173	H6	C	B	19	63.104	-14.623	84.909	1.00	0.00	H
ATOM	1174	H1'	C	B	19	63.838	-11.109	85.787	1.00	0.00	H
ATOM	1175	H3'	C	B	19	64.674	-12.418	82.173	1.00	0.00	H
ATOM	1176	H4'	C	B	19	62.504	-10.915	82.398	1.00	0.00	H
ATOM	1177	H41	C	B	19	61.455	-16.511	88.841	1.00	0.00	H
ATOM	1178	H42	C	B	19	61.342	-15.144	89.984	1.00	0.00	H
ATOM	1179	H2'1	C	B	19	64.550	-13.622	84.247	1.00	0.00	H
ATOM	1180	H2'2	C	B	19	65.594	-12.286	84.712	1.00	0.00	H
ATOM	1181	H5'1	C	B	19	61.038	-13.002	82.874	1.00	0.00	H
ATOM	1182	H5'2	C	B	19	61.998	-12.906	81.384	1.00	0.00	H
ATOM	1183	C1'	T	B	20	66.346	-9.416	88.369	1.00	0.00	C
ATOM	1184	N1	T	B	20	66.069	-10.854	88.622	1.00	0.00	N
ATOM	1185	C2	T	B	20	65.606	-11.196	89.876	1.00	0.00	C
ATOM	1186	O2	T	B	20	65.422	-10.375	90.758	1.00	0.00	O
ATOM	1187	N3	T	B	20	65.362	-12.544	90.067	1.00	0.00	N
ATOM	1188	C4	T	B	20	65.535	-13.549	89.141	1.00	0.00	C
ATOM	1189	O4	T	B	20	65.284	-14.726	89.429	1.00	0.00	O
ATOM	1190	C5	T	B	20	66.021	-13.095	87.861	1.00	0.00	C
ATOM	1191	C6	T	B	20	66.271	-11.791	87.638	1.00	0.00	C
ATOM	1192	C7	T	B	20	66.225	-14.158	86.822	1.00	0.00	C
ATOM	1193	C2'	T	B	20	67.571	-9.170	87.499	1.00	0.00	C
ATOM	1194	C3'	T	B	20	67.148	-7.954	86.690	1.00	0.00	C
ATOM	1195	O3'	T	B	20	67.410	-6.773	87.445	1.00	0.00	O
ATOM	1196	C4'	T	B	20	65.653	-8.187	86.482	1.00	0.00	C
ATOM	1197	O4'	T	B	20	65.222	-8.870	87.703	1.00	0.00	O
ATOM	1198	C5'	T	B	20	65.263	-9.032	85.292	1.00	0.00	C
ATOM	1199	O5'	T	B	20	66.238	-10.088	85.100	1.00	0.00	O
ATOM	1200	O1P	T	B	20	67.305	-9.505	82.900	1.00	0.00	O

