

ATOM	1	HO5'	G	1	3.429	-7.861	3.641	1.00	0.00	H
ATOM	2	O5'	G	1	4.232	-7.360	3.480	1.00	0.00	O
ATOM	3	C5'	G	1	5.480	-8.064	3.350	1.00	0.00	C
ATOM	4	H5'	G	1	5.429	-8.766	2.518	1.00	0.00	H
ATOM	5	H5''	G	1	5.679	-8.609	4.273	1.00	0.00	H
ATOM	6	C4'	G	1	6.614	-7.068	3.100	1.00	0.00	C
ATOM	7	H4'	G	1	7.569	-7.590	3.049	1.00	0.00	H
ATOM	8	O4'	G	1	6.436	-6.504	1.770	1.00	0.00	O
ATOM	9	C1'	G	1	6.837	-5.134	1.770	1.00	0.00	C
ATOM	10	H1'	G	1	7.552	-4.957	0.967	1.00	0.00	H
ATOM	11	N9	G	1	5.671	-4.305	1.390	1.00	0.00	N
ATOM	12	C8	G	1	4.338	-4.651	1.320	1.00	0.00	C
ATOM	13	H8	G	1	4.030	-5.656	1.568	1.00	0.00	H
ATOM	14	N7	G	1	3.550	-3.676	0.940	1.00	0.00	N
ATOM	15	C5	G	1	4.420	-2.604	0.740	1.00	0.00	C
ATOM	16	C6	G	1	4.148	-1.276	0.330	1.00	0.00	C
ATOM	17	O6	G	1	3.067	-0.759	0.040	1.00	0.00	O
ATOM	18	N1	G	1	5.325	-0.513	0.260	1.00	0.00	N
ATOM	19	H1	G	1	5.241	0.446	-0.012	1.00	0.00	H
ATOM	20	C2	G	1	6.597	-0.986	0.550	1.00	0.00	C
ATOM	21	N2	G	1	7.579	-0.093	0.420	1.00	0.00	N
ATOM	22	H21	G	1	7.491	0.869	0.126	1.00	0.00	H
ATOM	23	H22	G	1	8.514	-0.419	0.618	1.00	0.00	H
ATOM	24	N3	G	1	6.848	-2.225	0.940	1.00	0.00	N
ATOM	25	C4	G	1	5.712	-2.974	1.010	1.00	0.00	C
ATOM	26	C3'	G	1	6.646	-5.859	4.020	1.00	0.00	C
ATOM	27	H3'	G	1	5.915	-5.354	4.651	1.00	0.00	H
ATOM	28	C2'	G	1	7.380	-4.830	3.170	1.00	0.00	C
ATOM	29	H2'	G	1	7.201	-3.929	3.756	1.00	0.00	H
ATOM	30	O2'	G	1	8.772	-5.106	3.140	1.00	0.00	O
ATOM	31	HO2'	G	1	9.200	-4.348	2.736	1.00	0.00	H

ATOM	32	O3'	G	1	7.297	-6.145	5.250	1.00	0.00	O
ATOM	33	P	G	2	6.882	-5.338	6.560	1.00	0.00	P
ATOM	34	OP1	G	2	7.505	-5.970	7.750	1.00	0.00	O
ATOM	35	OP2	G	2	5.404	-5.201	6.610	1.00	0.00	O
ATOM	36	O5'	G	2	7.538	-3.907	6.290	1.00	0.00	O
ATOM	37	C5'	G	2	8.968	-3.825	6.160	1.00	0.00	C
ATOM	38	H5'	G	2	9.304	-4.443	5.327	1.00	0.00	H
ATOM	39	H5''	G	2	9.430	-4.176	7.083	1.00	0.00	H
ATOM	40	C4'	G	2	9.384	-2.375	5.910	1.00	0.00	C
ATOM	41	H4'	G	2	10.470	-2.299	5.860	1.00	0.00	H
ATOM	42	O4'	G	2	8.930	-1.996	4.580	1.00	0.00	O
ATOM	43	C1'	G	2	8.527	-0.626	4.580	1.00	0.00	C
ATOM	44	H1'	G	2	9.033	-0.091	3.776	1.00	0.00	H
ATOM	45	N9	G	2	7.098	-0.559	4.200	1.00	0.00	N
ATOM	46	C8	G	2	6.163	-1.571	4.130	1.00	0.00	C
ATOM	47	H8	G	2	6.447	-2.583	4.378	1.00	0.00	H
ATOM	48	N7	G	2	4.973	-1.176	3.750	1.00	0.00	N
ATOM	49	C5	G	2	5.126	0.197	3.550	1.00	0.00	C
ATOM	50	C6	G	2	4.180	1.167	3.140	1.00	0.00	C
ATOM	51	O6	G	2	2.991	1.018	2.850	1.00	0.00	O
ATOM	52	N1	G	2	4.758	2.445	3.070	1.00	0.00	N
ATOM	53	H1	G	2	4.170	3.207	2.798	1.00	0.00	H
ATOM	54	C2	G	2	6.084	2.734	3.360	1.00	0.00	C
ATOM	55	N2	G	2	6.428	4.017	3.230	1.00	0.00	N
ATOM	56	H21	G	2	5.834	4.779	2.936	1.00	0.00	H
ATOM	57	H22	G	2	7.391	4.248	3.428	1.00	0.00	H
ATOM	58	N3	G	2	6.964	1.827	3.750	1.00	0.00	N
ATOM	59	C4	G	2	6.413	0.584	3.820	1.00	0.00	C
ATOM	60	C3'	G	2	8.758	-1.340	6.830	1.00	0.00	C
ATOM	61	H3'	G	2	7.870	-1.310	7.461	1.00	0.00	H
ATOM	62	C2'	G	2	8.820	-0.077	5.980	1.00	0.00	C

ATOM	63	H2'	G	2	8.183	0.585	6.566	1.00	0.00	H
ATOM	64	O2'	G	2	10.140	0.443	5.950	1.00	0.00	O
ATOM	65	HO2'	G	2	10.090	1.313	5.546	1.00	0.00	H
ATOM	66	O3'	G	2	9.461	-1.229	8.060	1.00	0.00	O
ATOM	67	P	G	3	8.676	-0.774	9.370	1.00	0.00	P
ATOM	68	OP1	G	3	9.541	-0.969	10.560	1.00	0.00	O
ATOM	69	OP2	G	3	7.357	-1.457	9.420	1.00	0.00	O
ATOM	70	O5'	G	3	8.454	0.784	9.100	1.00	0.00	O
ATOM	71	C5'	G	3	9.613	1.626	8.970	1.00	0.00	C
ATOM	72	H5'	G	3	10.231	1.288	8.138	1.00	0.00	H
ATOM	73	H5"	G	3	10.191	1.580	9.893	1.00	0.00	H
ATOM	74	C4'	G	3	9.180	3.072	8.720	1.00	0.00	C
ATOM	75	H4'	G	3	10.052	3.724	8.669	1.00	0.00	H
ATOM	76	O4'	G	3	8.593	3.144	7.390	1.00	0.00	O
ATOM	77	C1'	G	3	7.514	4.080	7.390	1.00	0.00	C
ATOM	78	H1'	G	3	7.651	4.804	6.587	1.00	0.00	H
ATOM	79	N9	G	3	6.275	3.365	7.010	1.00	0.00	N
ATOM	80	C8	G	3	6.035	2.008	6.940	1.00	0.00	C
ATOM	81	H8	G	3	6.821	1.310	7.188	1.00	0.00	H
ATOM	82	N7	G	3	4.820	1.697	6.560	1.00	0.00	N
ATOM	83	C5	G	3	4.207	2.935	6.360	1.00	0.00	C
ATOM	84	C6	G	3	2.887	3.240	5.950	1.00	0.00	C
ATOM	85	O6	G	3	1.967	2.473	5.660	1.00	0.00	O
ATOM	86	N1	G	3	2.683	4.629	5.880	1.00	0.00	N
ATOM	87	H1	G	3	1.777	4.953	5.609	1.00	0.00	H
ATOM	88	C2	G	3	3.643	5.588	6.170	1.00	0.00	C
ATOM	89	N2	G	3	3.239	6.853	6.040	1.00	0.00	N
ATOM	90	H21	G	3	2.327	7.173	5.747	1.00	0.00	H
ATOM	91	H22	G	3	3.924	7.568	6.238	1.00	0.00	H
ATOM	92	N3	G	3	4.874	5.300	6.560	1.00	0.00	N
ATOM	93	C4	G	3	5.082	3.956	6.630	1.00	0.00	C

ATOM	94	C3'	G	3	8.094	3.604	9.640	1.00	0.00	C
ATOM	95	H3'	G	3	7.330	3.148	10.270	1.00	0.00	H
ATOM	96	C2'	G	3	7.463	4.700	8.790	1.00	0.00	C
ATOM	97	H2'	G	3	6.569	4.913	9.376	1.00	0.00	H
ATOM	98	O2'	G	3	8.294	5.851	8.760	1.00	0.00	O
ATOM	99	HO2'	G	3	7.783	6.556	8.356	1.00	0.00	H
ATOM	100	O3'	G	3	8.625	4.077	10.870	1.00	0.00	O
ATOM	101	P	G	4	7.719	4.035	12.180	1.00	0.00	P
ATOM	102	OP1	G	4	8.552	4.339	13.370	1.00	0.00	O
ATOM	103	OP2	G	4	6.978	2.749	12.230	1.00	0.00	O
ATOM	104	O5'	G	4	6.690	5.227	11.910	1.00	0.00	O
ATOM	105	C5'	G	4	7.211	6.562	11.780	1.00	0.00	C
ATOM	106	H5'	G	4	7.914	6.611	10.948	1.00	0.00	H
ATOM	107	H5''	G	4	7.722	6.835	12.703	1.00	0.00	H
ATOM	108	C4'	G	4	6.066	7.544	11.530	1.00	0.00	C
ATOM	109	H4'	G	4	6.448	8.564	11.479	1.00	0.00	H
ATOM	110	O4'	G	4	5.532	7.288	10.200	1.00	0.00	O
ATOM	111	C1'	G	4	4.119	7.492	10.200	1.00	0.00	C
ATOM	112	H1'	G	4	3.843	8.175	9.396	1.00	0.00	H
ATOM	113	N9	G	4	3.463	6.221	9.820	1.00	0.00	N
ATOM	114	C8	G	4	3.994	4.950	9.750	1.00	0.00	C
ATOM	115	H8	G	4	5.033	4.787	9.997	1.00	0.00	H
ATOM	116	N7	G	4	3.139	4.032	9.370	1.00	0.00	N
ATOM	117	C5	G	4	1.955	4.743	9.170	1.00	0.00	C
ATOM	118	C6	G	4	0.679	4.287	8.760	1.00	0.00	C
ATOM	119	O6	G	4	0.319	3.144	8.470	1.00	0.00	O
ATOM	120	N1	G	4	-0.243	5.344	8.690	1.00	0.00	N
ATOM	121	H1	G	4	-1.181	5.127	8.419	1.00	0.00	H
ATOM	122	C2	G	4	0.047	6.670	8.980	1.00	0.00	C
ATOM	123	N2	G	4	-0.976	7.517	8.850	1.00	0.00	N
ATOM	124	H21	G	4	-1.916	7.294	8.557	1.00	0.00	H

ATOM	125	H22	G	4	-0.785	8.489	9.048	1.00	0.00	H
ATOM	126	N3	G	4	1.238	7.093	9.370	1.00	0.00	N
ATOM	127	C4	G	4	2.139	6.074	9.440	1.00	0.00	C
ATOM	128	C3'	G	4	4.864	7.405	12.450	1.00	0.00	C
ATOM	129	H3'	G	4	4.467	6.609	13.080	1.00	0.00	H
ATOM	130	C2'	G	4	3.741	7.987	11.600	1.00	0.00	C
ATOM	131	H2'	G	4	2.873	7.684	12.186	1.00	0.00	H
ATOM	132	O2'	G	4	3.819	9.404	11.570	1.00	0.00	O
ATOM	133	HO2'	G	4	3.008	9.721	11.166	1.00	0.00	H
ATOM	134	O3'	G	4	5.055	8.090	13.680	1.00	0.00	O
ATOM	135	P	G	5	4.315	7.566	14.990	1.00	0.00	P
ATOM	136	OP1	G	5	4.853	8.272	16.180	1.00	0.00	O
ATOM	137	OP2	G	5	4.387	6.083	15.040	1.00	0.00	O
ATOM	138	O5'	G	5	2.806	8.013	14.720	1.00	0.00	O
ATOM	139	C5'	G	5	2.523	9.418	14.590	1.00	0.00	C
ATOM	140	H5'	G	5	3.087	9.838	13.757	1.00	0.00	H
ATOM	141	H5''	G	5	2.806	9.926	15.512	1.00	0.00	H
ATOM	142	C4'	G	5	1.029	9.625	14.340	1.00	0.00	C
ATOM	143	H4'	G	5	0.801	10.690	14.290	1.00	0.00	H
ATOM	144	O4'	G	5	0.718	9.122	13.010	1.00	0.00	O
ATOM	145	C1'	G	5	-0.582	8.530	13.010	1.00	0.00	C
ATOM	146	H1'	G	5	-1.183	8.955	12.206	1.00	0.00	H
ATOM	147	N9	G	5	-0.447	7.106	12.630	1.00	0.00	N
ATOM	148	C8	G	5	0.687	6.323	12.560	1.00	0.00	C
ATOM	149	H8	G	5	1.649	6.746	12.807	1.00	0.00	H
ATOM	150	N7	G	5	0.463	5.089	12.180	1.00	0.00	N
ATOM	151	C5	G	5	-0.917	5.047	11.980	1.00	0.00	C
ATOM	152	C6	G	5	-1.744	3.974	11.570	1.00	0.00	C
ATOM	153	O6	G	5	-1.430	2.818	11.280	1.00	0.00	O
ATOM	154	N1	G	5	-3.092	4.366	11.500	1.00	0.00	N
ATOM	155	H1	G	5	-3.764	3.677	11.229	1.00	0.00	H

ATOM	156	C2	G	5	-3.564	5.638	11.790	1.00	0.00	C
ATOM	157	N2	G	5	-4.882	5.798	11.660	1.00	0.00	N
ATOM	158	H21	G	5	-5.553	5.102	11.366	1.00	0.00	H
ATOM	159	H22	G	5	-5.246	6.719	11.858	1.00	0.00	H
ATOM	160	N3	G	5	-2.790	6.637	12.180	1.00	0.00	N
ATOM	161	C4	G	5	-1.482	6.267	12.250	1.00	0.00	C
ATOM	162	C3'	G	5	0.093	8.860	15.260	1.00	0.00	C
ATOM	163	H3'	G	5	0.190	7.976	15.890	1.00	0.00	H
ATOM	164	C2'	G	5	-1.167	8.743	14.410	1.00	0.00	C
ATOM	165	H2'	G	5	-1.733	8.019	14.996	1.00	0.00	H
ATOM	166	O2'	G	5	-1.867	9.977	14.380	1.00	0.00	O
ATOM	167	HO2'	G	5	-2.721	9.806	13.976	1.00	0.00	H
ATOM	168	O3'	G	5	-0.117	9.539	16.490	1.00	0.00	O
ATOM	169	P	G	6	-0.456	8.698	17.800	1.00	0.00	P
ATOM	170	OP1	G	6	-0.385	9.582	18.990	1.00	0.00	O
ATOM	171	OP2	G	6	0.406	7.489	17.850	1.00	0.00	O
ATOM	172	O5'	G	6	-1.968	8.259	17.530	1.00	0.00	O
ATOM	173	C5'	G	6	-2.964	9.288	17.400	1.00	0.00	C
ATOM	174	H5'	G	6	-2.716	9.946	16.567	1.00	0.00	H
ATOM	175	H5''	G	6	-3.000	9.868	18.322	1.00	0.00	H
ATOM	176	C4'	G	6	-4.334	8.655	17.150	1.00	0.00	C
ATOM	177	H4'	G	6	-5.101	9.427	17.100	1.00	0.00	H
ATOM	178	O4'	G	6	-4.324	8.064	15.820	1.00	0.00	O
ATOM	179	C1'	G	6	-5.098	6.864	15.820	1.00	0.00	C
ATOM	180	H1'	G	6	-5.834	6.897	15.017	1.00	0.00	H
ATOM	181	N9	G	6	-4.215	5.738	15.440	1.00	0.00	N
ATOM	182	C8	G	6	-2.838	5.692	15.370	1.00	0.00	C
ATOM	183	H8	G	6	-2.257	6.568	15.617	1.00	0.00	H
ATOM	184	N7	G	6	-2.360	4.533	14.990	1.00	0.00	N
ATOM	185	C5	G	6	-3.499	3.752	14.790	1.00	0.00	C
ATOM	186	C6	G	6	-3.615	2.402	14.380	1.00	0.00	C

ATOM	187	O6	G	6	-2.726	1.599	14.090	1.00	0.00	O
ATOM	188	N1	G	6	-4.960	2.004	14.310	1.00	0.00	N
ATOM	189	H1	G	6	-5.152	1.061	14.038	1.00	0.00	H
ATOM	190	C2	G	6	-6.045	2.819	14.600	1.00	0.00	C
ATOM	191	N2	G	6	-7.241	2.241	14.470	1.00	0.00	N
ATOM	192	H21	G	6	-7.429	1.293	14.176	1.00	0.00	H
ATOM	193	H22	G	6	-8.045	2.819	14.668	1.00	0.00	H
ATOM	194	N3	G	6	-5.934	4.078	14.990	1.00	0.00	N
ATOM	195	C4	G	6	-4.633	4.474	15.060	1.00	0.00	C
ATOM	196	C3'	G	6	-4.708	7.506	18.070	1.00	0.00	C
ATOM	197	H3'	G	6	-4.149	6.814	18.700	1.00	0.00	H
ATOM	198	C2'	G	6	-5.705	6.727	17.220	1.00	0.00	C
ATOM	199	H2'	G	6	-5.790	5.812	17.806	1.00	0.00	H
ATOM	200	O2'	G	6	-6.961	7.387	17.190	1.00	0.00	O
ATOM	201	HO2'	G	6	-7.587	6.781	16.786	1.00	0.00	H
ATOM	202	O3'	G	6	-5.252	7.964	19.300	1.00	0.00	O
ATOM	203	P	G	7	-5.083	7.073	20.610	1.00	0.00	P
ATOM	204	OP1	G	7	-5.501	7.856	21.800	1.00	0.00	O
ATOM	205	OP2	G	7	-3.705	6.521	20.660	1.00	0.00	O
ATOM	206	O5'	G	7	-6.117	5.887	20.340	1.00	0.00	O
ATOM	207	C5'	G	7	-7.513	6.215	20.210	1.00	0.00	C
ATOM	208	H5'	G	7	-7.660	6.903	19.377	1.00	0.00	H
ATOM	209	H5''	G	7	-7.857	6.683	21.132	1.00	0.00	H
ATOM	210	C4'	G	7	-8.323	4.942	19.960	1.00	0.00	C
ATOM	211	H4'	G	7	-9.386	5.177	19.910	1.00	0.00	H
ATOM	212	O4'	G	7	-7.995	4.450	18.630	1.00	0.00	O
ATOM	213	C1'	G	7	-7.998	3.022	18.630	1.00	0.00	C
ATOM	214	H1'	G	7	-8.635	2.653	17.826	1.00	0.00	H
ATOM	215	N9	G	7	-6.647	2.552	18.250	1.00	0.00	N
ATOM	216	C8	G	7	-5.463	3.257	18.180	1.00	0.00	C
ATOM	217	H8	G	7	-5.448	4.308	18.427	1.00	0.00	H

ATOM	218	N7	G	7	-4.434	2.540	17.800	1.00	0.00	N
ATOM	219	C5	G	7	-4.971	1.267	17.600	1.00	0.00	C
ATOM	220	C6	G	7	-4.339	0.068	17.190	1.00	0.00	C
ATOM	221	O6	G	7	-3.157	-0.127	16.900	1.00	0.00	O
ATOM	222	N1	G	7	-5.257	-0.993	17.120	1.00	0.00	N
ATOM	223	H1	G	7	-4.909	-1.890	16.848	1.00	0.00	H
ATOM	224	C2	G	7	-6.610	-0.894	17.410	1.00	0.00	C
ATOM	225	N2	G	7	-7.304	-2.026	17.280	1.00	0.00	N
ATOM	226	H21	G	7	-6.950	-2.925	16.986	1.00	0.00	H
ATOM	227	H22	G	7	-8.293	-1.974	17.478	1.00	0.00	H
ATOM	228	N3	G	7	-7.196	0.226	17.800	1.00	0.00	N
ATOM	229	C4	G	7	-6.315	1.262	17.870	1.00	0.00	C
ATOM	230	C3'	G	7	-8.017	3.772	20.880	1.00	0.00	C
ATOM	231	H3'	G	7	-7.174	3.491	21.511	1.00	0.00	H
ATOM	232	C2'	G	7	-8.435	2.579	20.030	1.00	0.00	C
ATOM	233	H2'	G	7	-8.012	1.763	20.616	1.00	0.00	H
ATOM	234	O2'	G	7	-9.849	2.456	20.000	1.00	0.00	O
ATOM	235	HO2'	G	7	-10.048	1.608	19.596	1.00	0.00	H
ATOM	236	O3'	G	7	-8.722	3.865	22.110	1.00	0.00	O
ATOM	237	P	G	8	-8.098	3.206	23.420	1.00	0.00	P
ATOM	238	OP1	G	8	-8.873	3.639	24.610	1.00	0.00	O
ATOM	239	OP2	G	8	-6.640	3.486	23.470	1.00	0.00	O
ATOM	240	O5'	G	8	-8.328	1.649	23.150	1.00	0.00	O
ATOM	241	C5'	G	8	-9.679	1.171	23.020	1.00	0.00	C
ATOM	242	H5'	G	8	-10.175	1.670	22.188	1.00	0.00	H
ATOM	243	H5''	G	8	-10.220	1.380	23.943	1.00	0.00	H
ATOM	244	C4'	G	8	-9.674	-0.338	22.770	1.00	0.00	C
ATOM	245	H4'	G	8	-10.696	-0.715	22.720	1.00	0.00	H
ATOM	246	O4'	G	8	-9.132	-0.575	21.440	1.00	0.00	O
ATOM	247	C1'	G	8	-8.363	-1.778	21.440	1.00	0.00	C
ATOM	248	H1'	G	8	-8.700	-2.433	20.637	1.00	0.00	H

ATOM	249	N9	G	8	-6.972	-1.444	21.060	1.00	0.00	N
ATOM	250	C8	G	8	-6.357	-0.211	20.990	1.00	0.00	C
ATOM	251	H8	G	8	-6.912	0.682	21.237	1.00	0.00	H
ATOM	252	N7	G	8	-5.103	-0.259	20.610	1.00	0.00	N
ATOM	253	C5	G	8	-4.868	-1.619	20.410	1.00	0.00	C
ATOM	254	C6	G	8	-3.689	-2.287	20.000	1.00	0.00	C
ATOM	255	O6	G	8	-2.589	-1.813	19.710	1.00	0.00	O
ATOM	256	N1	G	8	-3.887	-3.676	19.930	1.00	0.00	N
ATOM	257	H1	G	8	-3.110	-4.243	19.658	1.00	0.00	H
ATOM	258	C2	G	8	-5.079	-4.323	20.220	1.00	0.00	C
ATOM	259	N2	G	8	-5.052	-5.651	20.090	1.00	0.00	N
ATOM	260	H21	G	8	-4.269	-6.217	19.796	1.00	0.00	H
ATOM	261	H22	G	8	-5.913	-6.141	20.288	1.00	0.00	H
ATOM	262	N3	G	8	-6.178	-3.697	20.610	1.00	0.00	N
ATOM	263	C4	G	8	-5.996	-2.350	20.680	1.00	0.00	C
ATOM	264	C3'	G	8	-8.784	-1.156	23.690	1.00	0.00	C
ATOM	265	H3'	G	8	-7.923	-0.937	24.321	1.00	0.00	H
ATOM	266	C2'	G	8	-8.491	-2.387	22.840	1.00	0.00	C
ATOM	267	H2'	G	8	-7.694	-2.845	23.426	1.00	0.00	H
ATOM	268	O2'	G	8	-9.614	-3.254	22.810	1.00	0.00	O
ATOM	269	HO2'	G	8	-9.324	-4.075	22.406	1.00	0.00	H
ATOM	270	O3'	G	8	-9.428	-1.459	24.920	1.00	0.00	O
ATOM	271	P	G	9	-8.547	-1.677	26.230	1.00	0.00	P
ATOM	272	OP1	G	9	-9.432	-1.731	27.420	1.00	0.00	O
ATOM	273	OP2	G	9	-7.471	-0.654	26.280	1.00	0.00	O
ATOM	274	O5'	G	9	-7.899	-3.112	25.960	1.00	0.00	O
ATOM	275	C5'	G	9	-8.778	-4.244	25.830	1.00	0.00	C
ATOM	276	H5'	G	9	-9.465	-4.092	24.997	1.00	0.00	H
ATOM	277	H5''	G	9	-9.347	-4.361	26.753	1.00	0.00	H
ATOM	278	C4'	G	9	-7.958	-5.511	25.580	1.00	0.00	C
ATOM	279	H4'	G	9	-8.614	-6.380	25.529	1.00	0.00	H

ATOM	280	O4'	G	9	-7.374	-5.417	24.250	1.00	0.00	O
ATOM	281	C1'	G	9	-6.077	-6.014	24.250	1.00	0.00	C
ATOM	282	H1'	G	9	-6.007	-6.747	23.446	1.00	0.00	H
ATOM	283	N9	G	9	-5.087	-4.982	23.870	1.00	0.00	N
ATOM	284	C8	G	9	-5.235	-3.611	23.800	1.00	0.00	C
ATOM	285	H8	G	9	-6.184	-3.159	24.048	1.00	0.00	H
ATOM	286	N7	G	9	-4.155	-2.975	23.420	1.00	0.00	N
ATOM	287	C5	G	9	-3.221	-3.992	23.220	1.00	0.00	C
ATOM	288	C6	G	9	-1.868	-3.917	22.810	1.00	0.00	C
ATOM	289	O6	G	9	-1.199	-2.924	22.520	1.00	0.00	O
ATOM	290	N1	G	9	-1.285	-5.193	22.740	1.00	0.00	N
ATOM	291	H1	G	9	-0.324	-5.251	22.468	1.00	0.00	H
ATOM	292	C2	G	9	-1.939	-6.382	23.030	1.00	0.00	C
ATOM	293	N2	G	9	-1.199	-7.485	22.900	1.00	0.00	N
ATOM	294	H21	G	9	-0.234	-7.539	22.606	1.00	0.00	H
ATOM	295	H22	G	9	-1.658	-8.362	23.098	1.00	0.00	H
ATOM	296	N3	G	9	-3.201	-6.449	23.420	1.00	0.00	N
ATOM	297	C4	G	9	-3.776	-5.217	23.490	1.00	0.00	C
ATOM	298	C3'	G	9	-6.767	-5.719	26.500	1.00	0.00	C
ATOM	299	H3'	G	9	-6.160	-5.069	27.131	1.00	0.00	H
ATOM	300	C2'	G	9	-5.856	-6.596	25.650	1.00	0.00	C
ATOM	301	H2'	G	9	-4.938	-6.551	26.236	1.00	0.00	H
ATOM	302	O2'	G	9	-6.332	-7.932	25.620	1.00	0.00	O
ATOM	303	HO2'	G	9	-5.644	-8.466	25.216	1.00	0.00	H
ATOM	304	O3'	G	9	-7.145	-6.321	27.730	1.00	0.00	O
ATOM	305	P	G	10	-6.287	-6.029	29.040	1.00	0.00	P
ATOM	306	OP1	G	10	-7.002	-6.553	30.230	1.00	0.00	O
ATOM	307	OP2	G	10	-5.934	-4.586	29.090	1.00	0.00	O
ATOM	308	O5'	G	10	-4.966	-6.886	28.770	1.00	0.00	O
ATOM	309	C5'	G	10	-5.094	-8.313	28.640	1.00	0.00	C
ATOM	310	H5'	G	10	-5.755	-8.556	27.808	1.00	0.00	H

ATOM	311	H5''	G	10	-5.509	-8.718	29.563	1.00	0.00	H
ATOM	312	C4'	G	10	-3.720	-8.937	28.390	1.00	0.00	C
ATOM	313	H4'	G	10	-3.802	-10.023	28.339	1.00	0.00	H
ATOM	314	O4'	G	10	-3.279	-8.542	27.060	1.00	0.00	O
ATOM	315	C1'	G	10	-1.865	-8.344	27.060	1.00	0.00	C
ATOM	316	H1'	G	10	-1.410	-8.923	26.256	1.00	0.00	H
ATOM	317	N9	G	10	-1.590	-6.940	26.680	1.00	0.00	N
ATOM	318	C8	G	10	-2.454	-5.867	26.610	1.00	0.00	C
ATOM	319	H8	G	10	-3.497	-5.999	26.858	1.00	0.00	H
ATOM	320	N7	G	10	-1.889	-4.748	26.230	1.00	0.00	N
ATOM	321	C5	G	10	-0.554	-5.100	26.030	1.00	0.00	C
ATOM	322	C6	G	10	0.544	-4.306	25.620	1.00	0.00	C
ATOM	323	O6	G	10	0.570	-3.108	25.330	1.00	0.00	O
ATOM	324	N1	G	10	1.724	-5.065	25.550	1.00	0.00	N
ATOM	325	H1	G	10	2.563	-4.595	25.278	1.00	0.00	H
ATOM	326	C2	G	10	1.816	-6.418	25.840	1.00	0.00	C
ATOM	327	N2	G	10	3.035	-6.946	25.710	1.00	0.00	N
ATOM	328	H21	G	10	3.876	-6.469	25.416	1.00	0.00	H
ATOM	329	H22	G	10	3.123	-7.933	25.908	1.00	0.00	H
ATOM	330	N3	G	10	0.790	-7.157	26.230	1.00	0.00	N
ATOM	331	C4	G	10	-0.359	-6.430	26.300	1.00	0.00	C
ATOM	332	C3'	G	10	-2.605	-8.468	29.310	1.00	0.00	C
ATOM	333	H3'	G	10	-2.445	-7.594	29.942	1.00	0.00	H
ATOM	334	C2'	G	10	-1.365	-8.714	28.460	1.00	0.00	C
ATOM	335	H2'	G	10	-0.617	-8.180	29.047	1.00	0.00	H
ATOM	336	O2'	G	10	-1.043	-10.096	28.430	1.00	0.00	O
ATOM	337	HO2'	G	10	-0.175	-10.173	28.026	1.00	0.00	H
ATOM	338	O3'	G	10	-2.598	-9.180	30.540	1.00	0.00	O
ATOM	339	P	G	11	-2.033	-8.469	31.850	1.00	0.00	P
ATOM	340	OP1	G	11	-2.352	-9.297	33.040	1.00	0.00	O
ATOM	341	OP2	G	11	-2.516	-7.065	31.900	1.00	0.00	O

ATOM	342	O5'	G	11	-0.459	-8.478	31.580	1.00	0.00	O
ATOM	343	C5'	G	11	0.204	-9.748	31.450	1.00	0.00	C
ATOM	344	H5'	G	11	-0.221	-10.309	30.617	1.00	0.00	H
ATOM	345	H5''	G	11	0.074	-10.314	32.372	1.00	0.00	H
ATOM	346	C4'	G	11	1.698	-9.530	31.200	1.00	0.00	C
ATOM	347	H4'	G	11	2.215	-10.488	31.150	1.00	0.00	H
ATOM	348	O4'	G	11	1.856	-8.960	29.870	1.00	0.00	O
ATOM	349	C1'	G	11	2.938	-8.029	29.870	1.00	0.00	C
ATOM	350	H1'	G	11	3.634	-8.270	29.067	1.00	0.00	H
ATOM	351	N9	G	11	2.412	-6.699	29.490	1.00	0.00	N
ATOM	352	C8	G	11	1.104	-6.263	29.420	1.00	0.00	C
ATOM	353	H8	G	11	0.298	-6.938	29.668	1.00	0.00	H
ATOM	354	N7	G	11	0.975	-5.016	29.040	1.00	0.00	N
ATOM	355	C5	G	11	2.289	-4.591	28.840	1.00	0.00	C
ATOM	356	C6	G	11	2.784	-3.329	28.430	1.00	0.00	C
ATOM	357	O6	G	11	2.159	-2.307	28.140	1.00	0.00	O
ATOM	358	N1	G	11	4.187	-3.330	28.360	1.00	0.00	N
ATOM	359	H1	G	11	4.639	-2.480	28.088	1.00	0.00	H
ATOM	360	C2	G	11	4.996	-4.420	28.650	1.00	0.00	C
ATOM	361	N2	G	11	6.306	-4.206	28.520	1.00	0.00	N
ATOM	362	H21	G	11	6.756	-3.351	28.226	1.00	0.00	H
ATOM	363	H22	G	11	6.913	-4.989	28.718	1.00	0.00	H
ATOM	364	N3	G	11	4.531	-5.595	29.040	1.00	0.00	N
ATOM	365	C4	G	11	3.171	-5.605	29.110	1.00	0.00	C
ATOM	366	C3'	G	11	2.383	-8.534	32.120	1.00	0.00	C
ATOM	367	H3'	G	11	2.044	-7.712	32.751	1.00	0.00	H
ATOM	368	C2'	G	11	3.559	-8.070	31.270	1.00	0.00	C
ATOM	369	H2'	G	11	3.900	-7.217	31.856	1.00	0.00	H
ATOM	370	O2'	G	11	4.576	-9.060	31.240	1.00	0.00	O
ATOM	371	HO2'	G	11	5.348	-8.657	30.836	1.00	0.00	H
ATOM	372	O3'	G	11	2.773	-9.128	33.350	1.00	0.00	O

ATOM	373	P	G	12	2.864	-8.226	34.660	1.00	0.00	P
ATOM	374	OP1	G	12	3.043	-9.094	35.850	1.00	0.00	O
ATOM	375	OP2	G	12	1.700	-7.305	34.710	1.00	0.00	O
ATOM	376	O5'	G	12	4.194	-7.382	34.390	1.00	0.00	O
ATOM	377	C5'	G	12	5.438	-8.093	34.260	1.00	0.00	C
ATOM	378	H5'	G	12	5.384	-8.795	33.428	1.00	0.00	H
ATOM	379	H5''	G	12	5.634	-8.639	35.183	1.00	0.00	H
ATOM	380	C4'	G	12	6.577	-7.103	34.010	1.00	0.00	C
ATOM	381	H4'	G	12	7.530	-7.630	33.959	1.00	0.00	H
ATOM	382	O4'	G	12	6.402	-6.537	32.680	1.00	0.00	O
ATOM	383	C1'	G	12	6.810	-5.169	32.680	1.00	0.00	C
ATOM	384	H1'	G	12	7.526	-4.996	31.877	1.00	0.00	H
ATOM	385	N9	G	12	5.649	-4.334	32.300	1.00	0.00	N
ATOM	386	C8	G	12	4.313	-4.674	32.230	1.00	0.00	C
ATOM	387	H8	G	12	4.000	-5.677	32.477	1.00	0.00	H
ATOM	388	N7	G	12	3.530	-3.694	31.850	1.00	0.00	N
ATOM	389	C5	G	12	4.406	-2.627	31.650	1.00	0.00	C
ATOM	390	C6	G	12	4.141	-1.298	31.240	1.00	0.00	C
ATOM	391	O6	G	12	3.063	-0.775	30.950	1.00	0.00	O
ATOM	392	N1	G	12	5.323	-0.541	31.170	1.00	0.00	N
ATOM	393	H1	G	12	5.245	0.418	30.897	1.00	0.00	H
ATOM	394	C2	G	12	6.591	-1.020	31.460	1.00	0.00	C
ATOM	395	N2	G	12	7.579	-0.132	31.330	1.00	0.00	N
ATOM	396	H21	G	12	7.496	0.831	31.036	1.00	0.00	H
ATOM	397	H22	G	12	8.512	-0.463	31.528	1.00	0.00	H
ATOM	398	N3	G	12	6.836	-2.261	31.850	1.00	0.00	N
ATOM	399	C4	G	12	5.697	-3.004	31.920	1.00	0.00	C
ATOM	400	C3'	G	12	6.615	-5.894	34.930	1.00	0.00	C
ATOM	401	H3'	G	12	5.886	-5.385	35.561	1.00	0.00	H
ATOM	402	C2'	G	12	7.355	-4.868	34.080	1.00	0.00	C
ATOM	403	H2'	G	12	7.182	-3.966	34.666	1.00	0.00	H

ATOM	404	O2'	G	12	8.746	-5.152	34.050	1.00	0.00	O
ATOM	405	HO2'	G	12	9.178	-4.396	33.646	1.00	0.00	H
ATOM	406	O3'	G	12	7.265	-6.183	36.160	1.00	0.00	O
ATOM	407	P	G	13	6.854	-5.374	37.470	1.00	0.00	P
ATOM	408	OP1	G	13	7.474	-6.009	38.660	1.00	0.00	O
ATOM	409	OP2	G	13	5.377	-5.229	37.520	1.00	0.00	O
ATOM	410	O5'	G	13	7.517	-3.947	37.200	1.00	0.00	O
ATOM	411	C5'	G	13	8.948	-3.872	37.070	1.00	0.00	C
ATOM	412	H5'	G	13	9.282	-4.492	36.238	1.00	0.00	H
ATOM	413	H5''	G	13	9.407	-4.226	37.993	1.00	0.00	H
ATOM	414	C4'	G	13	9.372	-2.424	36.820	1.00	0.00	C
ATOM	415	H4'	G	13	10.458	-2.353	36.769	1.00	0.00	H
ATOM	416	O4'	G	13	8.919	-2.043	35.490	1.00	0.00	O
ATOM	417	C1'	G	13	8.524	-0.671	35.490	1.00	0.00	C
ATOM	418	H1'	G	13	9.033	-0.139	34.686	1.00	0.00	H
ATOM	419	N9	G	13	7.095	-0.596	35.110	1.00	0.00	N
ATOM	420	C8	G	13	6.155	-1.603	35.040	1.00	0.00	C
ATOM	421	H8	G	13	6.434	-2.617	35.288	1.00	0.00	H
ATOM	422	N7	G	13	4.967	-1.202	34.660	1.00	0.00	N
ATOM	423	C5	G	13	5.127	0.170	34.460	1.00	0.00	C
ATOM	424	C6	G	13	4.186	1.145	34.050	1.00	0.00	C
ATOM	425	O6	G	13	2.997	1.003	33.760	1.00	0.00	O
ATOM	426	N1	G	13	4.771	2.421	33.980	1.00	0.00	N
ATOM	427	H1	G	13	4.187	3.186	33.708	1.00	0.00	H
ATOM	428	C2	G	13	6.098	2.702	34.270	1.00	0.00	C
ATOM	429	N2	G	13	6.449	3.983	34.140	1.00	0.00	N
ATOM	430	H21	G	13	5.859	4.748	33.846	1.00	0.00	H
ATOM	431	H22	G	13	7.413	4.209	34.338	1.00	0.00	H
ATOM	432	N3	G	13	6.974	1.791	34.660	1.00	0.00	N
ATOM	433	C4	G	13	6.416	0.550	34.730	1.00	0.00	C
ATOM	434	C3'	G	13	8.751	-1.386	37.740	1.00	0.00	C

ATOM	435	H3'	G	13	7.862	-1.352	38.370	1.00	0.00	H
ATOM	436	C2'	G	13	8.819	-0.123	36.890	1.00	0.00	C
ATOM	437	H2'	G	13	8.185	0.543	37.476	1.00	0.00	H
ATOM	438	O2'	G	13	10.143	0.390	36.860	1.00	0.00	O
ATOM	439	HO2'	G	13	10.098	1.260	36.456	1.00	0.00	H
ATOM	440	O3'	G	13	9.454	-1.278	38.970	1.00	0.00	O
ATOM	441	P	G	14	8.671	-0.820	40.280	1.00	0.00	P
ATOM	442	OP1	G	14	9.536	-1.019	41.470	1.00	0.00	O
ATOM	443	OP2	G	14	7.349	-1.495	40.330	1.00	0.00	O
ATOM	444	O5'	G	14	8.458	0.740	40.010	1.00	0.00	O
ATOM	445	C5'	G	14	9.622	1.576	39.880	1.00	0.00	C
ATOM	446	H5'	G	14	10.238	1.235	39.048	1.00	0.00	H
ATOM	447	H5''	G	14	10.200	1.527	40.803	1.00	0.00	H
ATOM	448	C4'	G	14	9.196	3.023	39.630	1.00	0.00	C
ATOM	449	H4'	G	14	10.072	3.670	39.579	1.00	0.00	H
ATOM	450	O4'	G	14	8.609	3.099	38.300	1.00	0.00	O
ATOM	451	C1'	G	14	7.535	4.040	38.300	1.00	0.00	C
ATOM	452	H1'	G	14	7.676	4.763	37.497	1.00	0.00	H
ATOM	453	N9	G	14	6.292	3.332	37.920	1.00	0.00	N
ATOM	454	C8	G	14	6.045	1.976	37.850	1.00	0.00	C
ATOM	455	H8	G	14	6.827	1.273	38.098	1.00	0.00	H
ATOM	456	N7	G	14	4.829	1.672	37.470	1.00	0.00	N
ATOM	457	C5	G	14	4.223	2.913	37.270	1.00	0.00	C
ATOM	458	C6	G	14	2.904	3.225	36.860	1.00	0.00	C
ATOM	459	O6	G	14	1.980	2.463	36.570	1.00	0.00	O
ATOM	460	N1	G	14	2.707	4.614	36.790	1.00	0.00	N
ATOM	461	H1	G	14	1.802	4.942	36.519	1.00	0.00	H
ATOM	462	C2	G	14	3.672	5.568	37.080	1.00	0.00	C
ATOM	463	N2	G	14	3.275	6.836	36.950	1.00	0.00	N
ATOM	464	H21	G	14	2.365	7.161	36.657	1.00	0.00	H
ATOM	465	H22	G	14	3.964	7.547	37.148	1.00	0.00	H

ATOM	466	N3	G	14	4.901	5.274	37.470	1.00	0.00	N
ATOM	467	C4	G	14	5.102	3.929	37.540	1.00	0.00	C
ATOM	468	C3'	G	14	8.113	3.561	40.550	1.00	0.00	C
ATOM	469	H3'	G	14	7.347	3.109	41.180	1.00	0.00	H
ATOM	470	C2'	G	14	7.488	4.661	39.700	1.00	0.00	C
ATOM	471	H2'	G	14	6.595	4.879	40.286	1.00	0.00	H
ATOM	472	O2'	G	14	8.325	5.807	39.670	1.00	0.00	O
ATOM	473	HO2'	G	14	7.818	6.515	39.266	1.00	0.00	H
ATOM	474	O3'	G	14	8.646	4.032	41.780	1.00	0.00	O
ATOM	475	P	G	15	7.740	3.995	43.090	1.00	0.00	P
ATOM	476	OP1	G	15	8.575	4.294	44.280	1.00	0.00	O
ATOM	477	OP2	G	15	6.992	2.712	43.140	1.00	0.00	O
ATOM	478	O5'	G	15	6.717	5.192	42.820	1.00	0.00	O
ATOM	479	C5'	G	15	7.246	6.524	42.690	1.00	0.00	C
ATOM	480	H5'	G	15	7.948	6.569	41.857	1.00	0.00	H
ATOM	481	H5''	G	15	7.759	6.795	43.612	1.00	0.00	H
ATOM	482	C4'	G	15	6.105	7.512	42.440	1.00	0.00	C
ATOM	483	H4'	G	15	6.493	8.529	42.389	1.00	0.00	H
ATOM	484	O4'	G	15	5.570	7.259	41.110	1.00	0.00	O
ATOM	485	C1'	G	15	4.158	7.471	41.110	1.00	0.00	C
ATOM	486	H1'	G	15	3.885	8.155	40.307	1.00	0.00	H
ATOM	487	N9	G	15	3.495	6.203	40.730	1.00	0.00	N
ATOM	488	C8	G	15	4.020	4.929	40.660	1.00	0.00	C
ATOM	489	H8	G	15	5.058	4.760	40.907	1.00	0.00	H
ATOM	490	N7	G	15	3.160	4.016	40.280	1.00	0.00	N
ATOM	491	C5	G	15	1.980	4.733	40.080	1.00	0.00	C
ATOM	492	C6	G	15	0.701	4.283	39.670	1.00	0.00	C
ATOM	493	O6	G	15	0.336	3.142	39.380	1.00	0.00	O
ATOM	494	N1	G	15	-0.215	5.346	39.600	1.00	0.00	N
ATOM	495	H1	G	15	-1.153	5.133	39.328	1.00	0.00	H
ATOM	496	C2	G	15	0.081	6.670	39.890	1.00	0.00	C

ATOM	497	N2	G	15	-0.937	7.522	39.760	1.00	0.00	N
ATOM	498	H21	G	15	-1.878	7.304	39.466	1.00	0.00	H
ATOM	499	H22	G	15	-0.741	8.493	39.958	1.00	0.00	H
ATOM	500	N3	G	15	1.275	7.086	40.280	1.00	0.00	N
ATOM	501	C4	G	15	2.171	6.063	40.350	1.00	0.00	C
ATOM	502	C3'	G	15	4.903	7.380	43.360	1.00	0.00	C
ATOM	503	H3'	G	15	4.503	6.586	43.990	1.00	0.00	H
ATOM	504	C2'	G	15	3.783	7.967	42.510	1.00	0.00	C
ATOM	505	H2'	G	15	2.914	7.668	43.096	1.00	0.00	H
ATOM	506	O2'	G	15	3.868	9.384	42.480	1.00	0.00	O
ATOM	507	HO2'	G	15	3.059	9.705	42.076	1.00	0.00	H
ATOM	508	O3'	G	15	5.098	8.064	44.590	1.00	0.00	O
ATOM	509	HO3'	G	15	4.363	8.009	45.205	1.00	0.00	H
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ATOM	510	HO5'	C	16	-8.254	2.331	35.699	1.00	0.00	H
ATOM	511	O5'	C	16	-7.866	3.194	35.860	1.00	0.00	O
ATOM	512	C5'	C	16	-8.733	4.335	35.990	1.00	0.00	C
ATOM	513	H5'	C	16	-9.422	4.190	36.822	1.00	0.00	H
ATOM	514	H5''	C	16	-9.300	4.458	35.067	1.00	0.00	H
ATOM	515	C4'	C	16	-7.900	5.594	36.240	1.00	0.00	C
ATOM	516	H4'	C	16	-8.547	6.470	36.290	1.00	0.00	H
ATOM	517	O4'	C	16	-7.317	5.494	37.570	1.00	0.00	O
ATOM	518	C1'	C	16	-6.014	6.077	37.570	1.00	0.00	C
ATOM	519	H1'	C	16	-5.943	6.805	38.378	1.00	0.00	H
ATOM	520	N1	C	16	-5.035	5.035	37.950	1.00	0.00	N
ATOM	521	C6	C	16	-5.375	3.708	37.960	1.00	0.00	C
ATOM	522	H6	C	16	-6.376	3.410	37.684	1.00	0.00	H
ATOM	523	C5	C	16	-4.480	2.756	38.310	1.00	0.00	C
ATOM	524	H5	C	16	-4.775	1.707	38.318	1.00	0.00	H
ATOM	525	C4	C	16	-3.160	3.204	38.670	1.00	0.00	C
ATOM	526	N4	C	16	-2.240	2.327	39.030	1.00	0.00	N

ATOM	527	H41	C	16	-1.326	2.679	39.275	1.00	0.00	H
ATOM	528	H42	C	16	-2.458	1.341	39.054	1.00	0.00	H
ATOM	529	N3	C	16	-2.835	4.502	38.660	1.00	0.00	N
ATOM	530	C2	C	16	-3.753	5.441	38.300	1.00	0.00	C
ATOM	531	O2	C	16	-3.491	6.649	38.280	1.00	0.00	O
ATOM	532	C3'	C	16	-6.707	5.789	35.320	1.00	0.00	C
ATOM	533	H3'	C	16	-6.108	5.132	34.690	1.00	0.00	H
ATOM	534	C2'	C	16	-5.786	6.657	36.170	1.00	0.00	C
ATOM	535	H2'	C	16	-4.868	6.603	35.584	1.00	0.00	H
ATOM	536	O2'	C	16	-6.249	7.998	36.200	1.00	0.00	O
ATOM	537	HO2'	C	16	-5.556	8.525	36.605	1.00	0.00	H
ATOM	538	O3'	C	16	-7.078	6.396	34.090	1.00	0.00	O
ATOM	539	P	C	17	-6.223	6.094	32.780	1.00	0.00	P
ATOM	540	OP1	C	17	-6.933	6.626	31.590	1.00	0.00	O
ATOM	541	OP2	C	17	-5.886	4.648	32.730	1.00	0.00	O
ATOM	542	O5'	C	17	-4.894	6.938	33.050	1.00	0.00	O
ATOM	543	C5'	C	17	-5.007	8.366	33.180	1.00	0.00	C
ATOM	544	H5'	C	17	-5.665	8.616	34.012	1.00	0.00	H
ATOM	545	H5''	C	17	-5.418	8.776	32.257	1.00	0.00	H
ATOM	546	C4'	C	17	-3.626	8.975	33.430	1.00	0.00	C
ATOM	547	H4'	C	17	-3.697	10.061	33.481	1.00	0.00	H
ATOM	548	O4'	C	17	-3.189	8.576	34.760	1.00	0.00	O
ATOM	549	C1'	C	17	-1.778	8.363	34.760	1.00	0.00	C
ATOM	550	H1'	C	17	-1.325	8.937	35.568	1.00	0.00	H
ATOM	551	N1	C	17	-1.517	6.957	35.140	1.00	0.00	N
ATOM	552	C6	C	17	-2.520	6.024	35.150	1.00	0.00	C
ATOM	553	H6	C	17	-3.523	6.313	34.874	1.00	0.00	H
ATOM	554	C5	C	17	-2.281	4.740	35.500	1.00	0.00	C
ATOM	555	H5	C	17	-3.097	4.017	35.508	1.00	0.00	H
ATOM	556	C4	C	17	-0.928	4.403	35.860	1.00	0.00	C
ATOM	557	N4	C	17	-0.627	3.168	36.220	1.00	0.00	N

ATOM	558	H41	C	17	0.333	2.971	36.465	1.00	0.00	H
ATOM	559	H42	C	17	-1.343	2.456	36.244	1.00	0.00	H
ATOM	560	N3	C	17	0.046	5.320	35.850	1.00	0.00	N
ATOM	561	C2	C	17	-0.219	6.606	35.490	1.00	0.00	C
ATOM	562	O2	C	17	0.655	7.481	35.470	1.00	0.00	O
ATOM	563	C3'	C	17	-2.516	8.495	32.510	1.00	0.00	C
ATOM	564	H3'	C	17	-2.366	7.619	31.879	1.00	0.00	H
ATOM	565	C2'	C	17	-1.273	8.728	33.360	1.00	0.00	C
ATOM	566	H2'	C	17	-0.530	8.187	32.774	1.00	0.00	H
ATOM	567	O2'	C	17	-0.938	10.107	33.390	1.00	0.00	O
ATOM	568	HO2'	C	17	-0.070	10.176	33.794	1.00	0.00	H
ATOM	569	O3'	C	17	-2.501	9.206	31.280	1.00	0.00	O
ATOM	570	P	C	18	-1.945	8.490	29.970	1.00	0.00	P
ATOM	571	OP1	C	18	-2.255	9.321	28.780	1.00	0.00	O
ATOM	572	OP2	C	18	-2.442	7.091	29.920	1.00	0.00	O
ATOM	573	O5'	C	18	-0.370	8.482	30.240	1.00	0.00	O
ATOM	574	C5'	C	18	0.306	9.745	30.370	1.00	0.00	C
ATOM	575	H5'	C	18	-0.113	10.311	31.202	1.00	0.00	H
ATOM	576	H5''	C	18	0.182	10.311	29.447	1.00	0.00	H
ATOM	577	C4'	C	18	1.797	9.512	30.620	1.00	0.00	C
ATOM	578	H4'	C	18	2.324	10.465	30.671	1.00	0.00	H
ATOM	579	O4'	C	18	1.949	8.940	31.950	1.00	0.00	O
ATOM	580	C1'	C	18	3.022	7.998	31.950	1.00	0.00	C
ATOM	581	H1'	C	18	3.714	8.236	32.758	1.00	0.00	H
ATOM	582	N1	C	18	2.482	6.673	32.330	1.00	0.00	N
ATOM	583	C6	C	18	1.134	6.431	32.340	1.00	0.00	C
ATOM	584	H6	C	18	0.446	7.217	32.064	1.00	0.00	H
ATOM	585	C5	C	18	0.641	5.221	32.690	1.00	0.00	C
ATOM	586	H5	C	18	-0.436	5.053	32.698	1.00	0.00	H
ATOM	587	C4	C	18	1.598	4.207	33.050	1.00	0.00	C
ATOM	588	N4	C	18	1.184	3.005	33.410	1.00	0.00	N

ATOM	589	H41	C	18	1.885	2.321	33.655	1.00	0.00	H
ATOM	590	H42	C	18	0.197	2.793	33.434	1.00	0.00	H
ATOM	591	N3	C	18	2.913	4.452	33.040	1.00	0.00	N
ATOM	592	C2	C	18	3.385	5.678	32.680	1.00	0.00	C
ATOM	593	O2	C	18	4.593	5.942	32.660	1.00	0.00	O
ATOM	594	C3'	C	18	2.472	8.508	29.700	1.00	0.00	C
ATOM	595	H3'	C	18	2.124	7.690	29.070	1.00	0.00	H
ATOM	596	C2'	C	18	3.644	8.032	30.550	1.00	0.00	C
ATOM	597	H2'	C	18	3.977	7.175	29.964	1.00	0.00	H
ATOM	598	O2'	C	18	4.671	9.011	30.580	1.00	0.00	O
ATOM	599	HO2'	C	18	5.439	8.600	30.984	1.00	0.00	H
ATOM	600	O3'	C	18	2.869	9.098	28.470	1.00	0.00	O
ATOM	601	P	C	19	2.950	8.195	27.160	1.00	0.00	P
ATOM	602	OP1	C	19	3.138	9.062	25.970	1.00	0.00	O
ATOM	603	OP2	C	19	1.776	7.287	27.110	1.00	0.00	O
ATOM	604	O5'	C	19	4.271	7.338	27.430	1.00	0.00	O
ATOM	605	C5'	C	19	5.522	8.035	27.560	1.00	0.00	C
ATOM	606	H5'	C	19	5.475	8.737	28.393	1.00	0.00	H
ATOM	607	H5''	C	19	5.724	8.579	26.637	1.00	0.00	H
ATOM	608	C4'	C	19	6.651	7.033	27.810	1.00	0.00	C
ATOM	609	H4'	C	19	7.609	7.550	27.861	1.00	0.00	H
ATOM	610	O4'	C	19	6.470	6.470	29.140	1.00	0.00	O
ATOM	611	C1'	C	19	6.864	5.098	29.140	1.00	0.00	C
ATOM	612	H1'	C	19	7.574	4.925	29.948	1.00	0.00	H
ATOM	613	N1	C	19	5.694	4.275	29.520	1.00	0.00	N
ATOM	614	C6	C	19	4.428	4.799	29.530	1.00	0.00	C
ATOM	615	H6	C	19	4.273	5.832	29.254	1.00	0.00	H
ATOM	616	C5	C	19	3.360	4.047	29.880	1.00	0.00	C
ATOM	617	H5	C	19	2.363	4.487	29.888	1.00	0.00	H
ATOM	618	C4	C	19	3.617	2.677	30.240	1.00	0.00	C
ATOM	619	N4	C	19	2.620	1.889	30.600	1.00	0.00	N

ATOM	620	H41	C	19	2.841	0.934	30.845	1.00	0.00	H
ATOM	621	H42	C	19	1.674	2.243	30.624	1.00	0.00	H
ATOM	622	N3	C	19	4.856	2.172	30.230	1.00	0.00	N
ATOM	623	C2	C	19	5.916	2.949	29.870	1.00	0.00	C
ATOM	624	O2	C	19	7.075	2.519	29.850	1.00	0.00	O
ATOM	625	C3'	C	19	6.677	5.824	26.890	1.00	0.00	C
ATOM	626	H3'	C	19	5.942	5.323	26.259	1.00	0.00	H
ATOM	627	C2'	C	19	7.405	4.791	27.740	1.00	0.00	C
ATOM	628	H2'	C	19	7.222	3.890	27.154	1.00	0.00	H
ATOM	629	O2'	C	19	8.799	5.060	27.770	1.00	0.00	O
ATOM	630	HO2'	C	19	9.223	4.299	28.174	1.00	0.00	H
ATOM	631	O3'	C	19	7.329	6.107	25.660	1.00	0.00	O
ATOM	632	P	C	20	6.910	5.302	24.350	1.00	0.00	P
ATOM	633	OP1	C	20	7.536	5.931	23.160	1.00	0.00	O
ATOM	634	OP2	C	20	5.431	5.172	24.300	1.00	0.00	O
ATOM	635	O5'	C	20	7.558	3.868	24.620	1.00	0.00	O
ATOM	636	C5'	C	20	8.988	3.778	24.750	1.00	0.00	C
ATOM	637	H5'	C	20	9.328	4.394	25.582	1.00	0.00	H
ATOM	638	H5''	C	20	9.451	4.127	23.827	1.00	0.00	H
ATOM	639	C4'	C	20	9.397	2.325	25.000	1.00	0.00	C
ATOM	640	H4'	C	20	10.483	2.242	25.051	1.00	0.00	H
ATOM	641	O4'	C	20	8.940	1.949	26.330	1.00	0.00	O
ATOM	642	C1'	C	20	8.530	0.582	26.330	1.00	0.00	C
ATOM	643	H1'	C	20	9.034	0.052	27.138	1.00	0.00	H
ATOM	644	N1	C	20	7.101	0.521	26.710	1.00	0.00	N
ATOM	645	C6	C	20	6.319	1.646	26.720	1.00	0.00	C
ATOM	646	H6	C	20	6.747	2.599	26.444	1.00	0.00	H
ATOM	647	C5	C	20	5.014	1.590	27.070	1.00	0.00	C
ATOM	648	H5	C	20	4.413	2.499	27.078	1.00	0.00	H
ATOM	649	C4	C	20	4.490	0.298	27.430	1.00	0.00	C
ATOM	650	N4	C	20	3.225	0.175	27.790	1.00	0.00	N

ATOM	651	H41	C	20	2.894	-0.747	28.035	1.00	0.00	H
ATOM	652	H42	C	20	2.622	0.985	27.814	1.00	0.00	H
ATOM	653	N3	C	20	5.260	-0.796	27.420	1.00	0.00	N
ATOM	654	C2	C	20	6.571	-0.714	27.060	1.00	0.00	C
ATOM	655	O2	C	20	7.315	-1.702	27.040	1.00	0.00	O
ATOM	656	C3'	C	20	8.765	1.294	24.080	1.00	0.00	C
ATOM	657	H3'	C	20	7.877	1.269	23.449	1.00	0.00	H
ATOM	658	C2'	C	20	8.820	0.031	24.930	1.00	0.00	C
ATOM	659	H2'	C	20	8.179	-0.628	24.344	1.00	0.00	H
ATOM	660	O2'	C	20	10.138	-0.496	24.960	1.00	0.00	O
ATOM	661	HO2'	C	20	10.084	-1.365	25.364	1.00	0.00	H
ATOM	662	O3'	C	20	9.467	1.179	22.850	1.00	0.00	O
ATOM	663	P	C	21	8.679	0.729	21.540	1.00	0.00	P
ATOM	664	OP1	C	21	9.546	0.919	20.350	1.00	0.00	O
ATOM	665	OP2	C	21	7.365	1.418	21.490	1.00	0.00	O
ATOM	666	O5'	C	21	8.449	-0.828	21.810	1.00	0.00	O
ATOM	667	C5'	C	21	9.605	-1.676	21.940	1.00	0.00	C
ATOM	668	H5'	C	21	10.225	-1.341	22.772	1.00	0.00	H
ATOM	669	H5''	C	21	10.183	-1.633	21.017	1.00	0.00	H
ATOM	670	C4'	C	21	9.164	-3.120	22.190	1.00	0.00	C
ATOM	671	H4'	C	21	10.033	-3.777	22.241	1.00	0.00	H
ATOM	672	O4'	C	21	8.576	-3.189	23.520	1.00	0.00	O
ATOM	673	C1'	C	21	7.492	-4.119	23.520	1.00	0.00	C
ATOM	674	H1'	C	21	7.630	-4.837	24.328	1.00	0.00	H
ATOM	675	N1	C	21	6.257	-3.397	23.900	1.00	0.00	N
ATOM	676	C6	C	21	6.207	-2.029	23.910	1.00	0.00	C
ATOM	677	H6	C	21	7.082	-1.459	23.634	1.00	0.00	H
ATOM	678	C5	C	21	5.078	-1.370	24.260	1.00	0.00	C
ATOM	679	H5	C	21	5.062	-0.280	24.267	1.00	0.00	H
ATOM	680	C4	C	21	3.940	-2.175	24.620	1.00	0.00	C
ATOM	681	N4	C	21	2.808	-1.595	24.980	1.00	0.00	N

ATOM	682	H41	C	21	2.032	-2.193	25.226	1.00	0.00	H
ATOM	683	H42	C	21	2.737	-0.588	25.004	1.00	0.00	H
ATOM	684	N3	C	21	3.997	-3.511	24.610	1.00	0.00	N
ATOM	685	C2	C	21	5.144	-4.151	24.250	1.00	0.00	C
ATOM	686	O2	C	21	5.236	-5.384	24.230	1.00	0.00	O
ATOM	687	C3'	C	21	8.075	-3.646	21.270	1.00	0.00	C
ATOM	688	H3'	C	21	7.314	-3.187	20.639	1.00	0.00	H
ATOM	689	C2'	C	21	7.439	-4.739	22.120	1.00	0.00	C
ATOM	690	H2'	C	21	6.544	-4.947	21.533	1.00	0.00	H
ATOM	691	O2'	C	21	8.263	-5.894	22.150	1.00	0.00	O
ATOM	692	HO2'	C	21	7.748	-6.596	22.554	1.00	0.00	H
ATOM	693	O3'	C	21	8.603	-4.122	20.040	1.00	0.00	O
ATOM	694	P	C	22	7.698	-4.076	18.730	1.00	0.00	P
ATOM	695	OP1	C	22	8.530	-4.384	17.540	1.00	0.00	O
ATOM	696	OP2	C	22	6.964	-2.785	18.680	1.00	0.00	O
ATOM	697	O5'	C	22	6.663	-5.262	19.000	1.00	0.00	O
ATOM	698	C5'	C	22	7.177	-6.600	19.130	1.00	0.00	C
ATOM	699	H5'	C	22	7.879	-6.653	19.962	1.00	0.00	H
ATOM	700	H5''	C	22	7.687	-6.877	18.207	1.00	0.00	H
ATOM	701	C4'	C	22	6.026	-7.576	19.380	1.00	0.00	C
ATOM	702	H4'	C	22	6.403	-8.598	19.431	1.00	0.00	H
ATOM	703	O4'	C	22	5.494	-7.317	20.710	1.00	0.00	O
ATOM	704	C1'	C	22	4.080	-7.514	20.710	1.00	0.00	C
ATOM	705	H1'	C	22	3.808	-8.193	21.518	1.00	0.00	H
ATOM	706	N1	C	22	3.430	-6.239	21.090	1.00	0.00	N
ATOM	707	C6	C	22	4.127	-5.060	21.100	1.00	0.00	C
ATOM	708	H6	C	22	5.171	-5.052	20.824	1.00	0.00	H
ATOM	709	C5	C	22	3.533	-3.897	21.450	1.00	0.00	C
ATOM	710	H5	C	22	4.110	-2.972	21.458	1.00	0.00	H
ATOM	711	C4	C	22	2.140	-3.958	21.810	1.00	0.00	C
ATOM	712	N4	C	22	1.501	-2.860	22.170	1.00	0.00	N

ATOM	713	H41	C	22	0.525	-2.944	22.415	1.00	0.00	H
ATOM	714	H42	C	22	1.985	-1.974	22.195	1.00	0.00	H
ATOM	715	N3	C	22	1.466	-5.114	21.800	1.00	0.00	N
ATOM	716	C2	C	22	2.086	-6.272	21.440	1.00	0.00	C
ATOM	717	O2	C	22	1.497	-7.359	21.420	1.00	0.00	O
ATOM	718	C3'	C	22	4.826	-7.431	18.460	1.00	0.00	C
ATOM	719	H3'	C	22	4.434	-6.633	17.829	1.00	0.00	H
ATOM	720	C2'	C	22	3.700	-8.007	19.310	1.00	0.00	C
ATOM	721	H2'	C	22	2.835	-7.698	18.724	1.00	0.00	H
ATOM	722	O2'	C	22	3.769	-9.424	19.340	1.00	0.00	O
ATOM	723	HO2'	C	22	2.956	-9.736	19.744	1.00	0.00	H
ATOM	724	O3'	C	22	5.013	-8.117	17.230	1.00	0.00	O
ATOM	725	P	C	23	4.276	-7.588	15.920	1.00	0.00	P
ATOM	726	OP1	C	23	4.809	-8.297	14.730	1.00	0.00	O
ATOM	727	OP2	C	23	4.355	-6.106	15.870	1.00	0.00	O
ATOM	728	O5'	C	23	2.764	-8.027	16.190	1.00	0.00	O
ATOM	729	C5'	C	23	2.474	-9.431	16.320	1.00	0.00	C
ATOM	730	H5'	C	23	3.036	-9.854	17.153	1.00	0.00	H
ATOM	731	H5''	C	23	2.754	-9.940	15.398	1.00	0.00	H
ATOM	732	C4'	C	23	0.978	-9.630	16.570	1.00	0.00	C
ATOM	733	H4'	C	23	0.744	-10.693	16.621	1.00	0.00	H
ATOM	734	O4'	C	23	0.670	-9.125	17.900	1.00	0.00	O
ATOM	735	C1'	C	23	-0.626	-8.527	17.900	1.00	0.00	C
ATOM	736	H1'	C	23	-1.221	-8.951	18.709	1.00	0.00	H
ATOM	737	N1	C	23	-0.484	-7.104	18.280	1.00	0.00	N
ATOM	738	C6	C	23	0.739	-6.488	18.290	1.00	0.00	C
ATOM	739	H6	C	23	1.622	-7.046	18.014	1.00	0.00	H
ATOM	740	C5	C	23	0.868	-5.188	18.640	1.00	0.00	C
ATOM	741	H5	C	23	1.853	-4.721	18.648	1.00	0.00	H
ATOM	742	C4	C	23	-0.337	-4.487	19.000	1.00	0.00	C
ATOM	743	N4	C	23	-0.282	-3.218	19.360	1.00	0.00	N

ATOM	744	H41	C	23	-1.149	-2.762	19.605	1.00	0.00	H
ATOM	745	H42	C	23	0.604	-2.734	19.385	1.00	0.00	H
ATOM	746	N3	C	23	-1.529	-5.096	18.990	1.00	0.00	N
ATOM	747	C2	C	23	-1.633	-6.405	18.630	1.00	0.00	C
ATOM	748	O2	C	23	-2.716	-7.002	18.610	1.00	0.00	O
ATOM	749	C3'	C	23	0.046	-8.860	15.650	1.00	0.00	C
ATOM	750	H3'	C	23	0.147	-7.977	15.019	1.00	0.00	H
ATOM	751	C2'	C	23	-1.212	-8.736	16.500	1.00	0.00	C
ATOM	752	H2'	C	23	-1.774	-8.009	15.914	1.00	0.00	H
ATOM	753	O2'	C	23	-1.919	-9.967	16.530	1.00	0.00	O
ATOM	754	HO2'	C	23	-2.772	-9.791	16.934	1.00	0.00	H
ATOM	755	O3'	C	23	-0.166	-9.539	14.420	1.00	0.00	O
ATOM	756	P	C	24	-0.501	-8.696	13.110	1.00	0.00	P
ATOM	757	OP1	C	24	-0.435	-9.580	11.920	1.00	0.00	O
ATOM	758	OP2	C	24	0.366	-7.491	13.060	1.00	0.00	O
ATOM	759	O5'	C	24	-2.011	-8.248	13.380	1.00	0.00	O
ATOM	760	C5'	C	24	-3.013	-9.273	13.510	1.00	0.00	C
ATOM	761	H5'	C	24	-2.769	-9.934	14.342	1.00	0.00	H
ATOM	762	H5''	C	24	-3.052	-9.851	12.587	1.00	0.00	H
ATOM	763	C4'	C	24	-4.380	-8.633	13.760	1.00	0.00	C
ATOM	764	H4'	C	24	-5.152	-9.400	13.811	1.00	0.00	H
ATOM	765	O4'	C	24	-4.366	-8.041	15.090	1.00	0.00	O
ATOM	766	C1'	C	24	-5.134	-6.837	15.090	1.00	0.00	C
ATOM	767	H1'	C	24	-5.864	-6.872	15.898	1.00	0.00	H
ATOM	768	N1	C	24	-4.245	-5.716	15.470	1.00	0.00	N
ATOM	769	C6	C	24	-2.883	-5.859	15.480	1.00	0.00	C
ATOM	770	H6	C	24	-2.442	-6.805	15.204	1.00	0.00	H
ATOM	771	C5	C	24	-2.072	-4.835	15.830	1.00	0.00	C
ATOM	772	H5	C	24	-0.991	-4.974	15.838	1.00	0.00	H
ATOM	773	C4	C	24	-2.708	-3.594	16.190	1.00	0.00	C
ATOM	774	N4	C	24	-1.975	-2.556	16.550	1.00	0.00	N

ATOM	775	H41	C	24	-2.457	-1.703	16.795	1.00	0.00	H
ATOM	776	H42	C	24	-0.968	-2.628	16.574	1.00	0.00	H
ATOM	777	N3	C	24	-4.039	-3.462	16.180	1.00	0.00	N
ATOM	778	C2	C	24	-4.834	-4.508	15.820	1.00	0.00	C
ATOM	779	O2	C	24	-6.068	-4.425	15.800	1.00	0.00	O
ATOM	780	C3'	C	24	-4.747	-7.481	12.840	1.00	0.00	C
ATOM	781	H3'	C	24	-4.185	-6.792	12.209	1.00	0.00	H
ATOM	782	C2'	C	24	-5.740	-6.697	13.690	1.00	0.00	C
ATOM	783	H2'	C	24	-5.820	-5.782	13.103	1.00	0.00	H
ATOM	784	O2'	C	24	-7.000	-7.350	13.720	1.00	0.00	O
ATOM	785	HO2'	C	24	-7.622	-6.741	14.124	1.00	0.00	H
ATOM	786	O3'	C	24	-5.293	-7.937	11.610	1.00	0.00	O
ATOM	787	P	C	25	-5.120	-7.047	10.300	1.00	0.00	P
ATOM	788	OP1	C	25	-5.542	-7.827	9.110	1.00	0.00	O
ATOM	789	OP2	C	25	-3.739	-6.502	10.250	1.00	0.00	O
ATOM	790	O5'	C	25	-6.148	-5.855	10.570	1.00	0.00	O
ATOM	791	C5'	C	25	-7.545	-6.175	10.700	1.00	0.00	C
ATOM	792	H5'	C	25	-7.696	-6.862	11.532	1.00	0.00	H
ATOM	793	H5''	C	25	-7.891	-6.641	9.777	1.00	0.00	H
ATOM	794	C4'	C	25	-8.349	-4.898	10.950	1.00	0.00	C
ATOM	795	H4'	C	25	-9.413	-5.127	11.000	1.00	0.00	H
ATOM	796	O4'	C	25	-8.018	-4.408	12.280	1.00	0.00	O
ATOM	797	C1'	C	25	-8.014	-2.980	12.280	1.00	0.00	C
ATOM	798	H1'	C	25	-8.647	-2.615	13.089	1.00	0.00	H
ATOM	799	N1	C	25	-6.660	-2.517	12.660	1.00	0.00	N
ATOM	800	C6	C	25	-5.591	-3.373	12.670	1.00	0.00	C
ATOM	801	H6	C	25	-5.731	-4.408	12.394	1.00	0.00	H
ATOM	802	C5	C	25	-4.356	-2.949	13.020	1.00	0.00	C
ATOM	803	H5	C	25	-3.521	-3.650	13.028	1.00	0.00	H
ATOM	804	C4	C	25	-4.221	-1.561	13.380	1.00	0.00	C
ATOM	805	N4	C	25	-3.043	-1.084	13.740	1.00	0.00	N

ATOM	806	H41	C	25	-2.988	-0.106	13.985	1.00	0.00	H
ATOM	807	H42	C	25	-2.235	-1.689	13.764	1.00	0.00	H
ATOM	808	N3	C	25	-5.270	-0.731	13.370	1.00	0.00	N
ATOM	809	C2	C	25	-6.503	-1.182	13.010	1.00	0.00	C
ATOM	810	O2	C	25	-7.497	-0.445	12.990	1.00	0.00	O
ATOM	811	C3'	C	25	-8.036	-3.730	10.030	1.00	0.00	C
ATOM	812	H3'	C	25	-7.191	-3.453	9.399	1.00	0.00	H
ATOM	813	C2'	C	25	-8.448	-2.535	10.880	1.00	0.00	C
ATOM	814	H2'	C	25	-8.021	-1.722	10.293	1.00	0.00	H
ATOM	815	O2'	C	25	-9.861	-2.404	10.910	1.00	0.00	O
ATOM	816	HO2'	C	25	-10.056	-1.555	11.314	1.00	0.00	H
ATOM	817	O3'	C	25	-8.742	-3.819	8.800	1.00	0.00	O
ATOM	818	P	C	26	-8.115	-3.164	7.490	1.00	0.00	P
ATOM	819	OP1	C	26	-8.892	-3.592	6.300	1.00	0.00	O
ATOM	820	OP2	C	26	-6.659	-3.451	7.440	1.00	0.00	O
ATOM	821	O5'	C	26	-8.337	-1.605	7.760	1.00	0.00	O
ATOM	822	C5'	C	26	-9.685	-1.121	7.890	1.00	0.00	C
ATOM	823	H5'	C	26	-10.183	-1.618	8.723	1.00	0.00	H
ATOM	824	H5''	C	26	-10.228	-1.327	6.968	1.00	0.00	H
ATOM	825	C4'	C	26	-9.672	0.388	8.140	1.00	0.00	C
ATOM	826	H4'	C	26	-10.692	0.770	8.190	1.00	0.00	H
ATOM	827	O4'	C	26	-9.129	0.622	9.470	1.00	0.00	O
ATOM	828	C1'	C	26	-8.354	1.821	9.470	1.00	0.00	C
ATOM	829	H1'	C	26	-8.690	2.470	10.278	1.00	0.00	H
ATOM	830	N1	C	26	-6.964	1.480	9.850	1.00	0.00	N
ATOM	831	C6	C	26	-6.527	0.182	9.860	1.00	0.00	C
ATOM	832	H6	C	26	-7.204	-0.613	9.584	1.00	0.00	H
ATOM	833	C5	C	26	-5.258	-0.129	10.210	1.00	0.00	C
ATOM	834	H5	C	26	-4.934	-1.170	10.218	1.00	0.00	H
ATOM	835	C4	C	26	-4.395	0.966	10.570	1.00	0.00	C
ATOM	836	N4	C	26	-3.146	0.732	10.930	1.00	0.00	N

ATOM	837	H41	C	26	-2.572	1.526	11.175	1.00	0.00	H
ATOM	838	H42	C	26	-2.792	-0.214	10.954	1.00	0.00	H
ATOM	839	N3	C	26	-4.829	2.231	10.560	1.00	0.00	N
ATOM	840	C2	C	26	-6.111	2.519	10.200	1.00	0.00	C
ATOM	841	O2	C	26	-6.549	3.675	10.180	1.00	0.00	O
ATOM	842	C3'	C	26	-8.778	1.202	7.220	1.00	0.00	C
ATOM	843	H3'	C	26	-7.918	0.977	6.590	1.00	0.00	H
ATOM	844	C2'	C	26	-8.478	2.431	8.070	1.00	0.00	C
ATOM	845	H2'	C	26	-7.679	2.885	7.484	1.00	0.00	H
ATOM	846	O2'	C	26	-9.597	3.305	8.100	1.00	0.00	O
ATOM	847	HO2'	C	26	-9.302	4.124	8.504	1.00	0.00	H
ATOM	848	O3'	C	26	-9.420	1.509	5.990	1.00	0.00	O
ATOM	849	P	C	27	-8.538	1.722	4.680	1.00	0.00	P
ATOM	850	OP1	C	27	-9.423	1.781	3.490	1.00	0.00	O
ATOM	851	OP2	C	27	-7.468	0.693	4.630	1.00	0.00	O
ATOM	852	O5'	C	27	-7.883	3.153	4.950	1.00	0.00	O
ATOM	853	C5'	C	27	-8.756	4.289	5.080	1.00	0.00	C
ATOM	854	H5'	C	27	-9.443	4.140	5.913	1.00	0.00	H
ATOM	855	H5''	C	27	-9.324	4.410	4.158	1.00	0.00	H
ATOM	856	C4'	C	27	-7.929	5.552	5.330	1.00	0.00	C
ATOM	857	H4'	C	27	-8.581	6.424	5.380	1.00	0.00	H
ATOM	858	O4'	C	27	-7.346	5.455	6.660	1.00	0.00	O
ATOM	859	C1'	C	27	-6.046	6.046	6.660	1.00	0.00	C
ATOM	860	H1'	C	27	-5.978	6.774	7.469	1.00	0.00	H
ATOM	861	N1	C	27	-5.061	5.008	7.040	1.00	0.00	N
ATOM	862	C6	C	27	-5.394	3.680	7.050	1.00	0.00	C
ATOM	863	H6	C	27	-6.393	3.376	6.774	1.00	0.00	H
ATOM	864	C5	C	27	-4.494	2.733	7.400	1.00	0.00	C
ATOM	865	H5	C	27	-4.784	1.682	7.408	1.00	0.00	H
ATOM	866	C4	C	27	-3.176	3.188	7.760	1.00	0.00	C
ATOM	867	N4	C	27	-2.252	2.316	8.120	1.00	0.00	N

ATOM	868	H41	C	27	-1.340	2.673	8.365	1.00	0.00	H
ATOM	869	H42	C	27	-2.465	1.329	8.144	1.00	0.00	H
ATOM	870	N3	C	27	-2.858	4.487	7.750	1.00	0.00	N
ATOM	871	C2	C	27	-3.782	5.421	7.390	1.00	0.00	C
ATOM	872	O2	C	27	-3.526	6.631	7.370	1.00	0.00	O
ATOM	873	C3'	C	27	-6.737	5.754	4.410	1.00	0.00	C
ATOM	874	H3'	C	27	-6.134	5.100	3.780	1.00	0.00	H
ATOM	875	C2'	C	27	-5.821	6.626	5.260	1.00	0.00	C
ATOM	876	H2'	C	27	-4.903	6.577	4.674	1.00	0.00	H
ATOM	877	O2'	C	27	-6.291	7.965	5.290	1.00	0.00	O
ATOM	878	HO2'	C	27	-5.601	8.496	5.694	1.00	0.00	H
ATOM	879	O3'	C	27	-7.112	6.359	3.180	1.00	0.00	O
ATOM	880	P	C	28	-6.255	6.061	1.870	1.00	0.00	P
ATOM	881	OP1	C	28	-6.968	6.589	0.680	1.00	0.00	O
ATOM	882	OP2	C	28	-5.910	4.617	1.820	1.00	0.00	O
ATOM	883	O5'	C	28	-4.930	6.912	2.140	1.00	0.00	O
ATOM	884	C5'	C	28	-5.051	8.340	2.270	1.00	0.00	C
ATOM	885	H5'	C	28	-5.710	8.586	3.103	1.00	0.00	H
ATOM	886	H5''	C	28	-5.464	8.748	1.347	1.00	0.00	H
ATOM	887	C4'	C	28	-3.673	8.956	2.520	1.00	0.00	C
ATOM	888	H4'	C	28	-3.750	10.042	2.571	1.00	0.00	H
ATOM	889	O4'	C	28	-3.234	8.559	3.850	1.00	0.00	O
ATOM	890	C1'	C	28	-1.821	8.354	3.850	1.00	0.00	C
ATOM	891	H1'	C	28	-1.371	8.930	4.659	1.00	0.00	H
ATOM	892	N1	C	28	-1.553	6.949	4.230	1.00	0.00	N
ATOM	893	C6	C	28	-2.551	6.011	4.240	1.00	0.00	C
ATOM	894	H6	C	28	-3.556	6.296	3.964	1.00	0.00	H
ATOM	895	C5	C	28	-2.306	4.728	4.590	1.00	0.00	C
ATOM	896	H5	C	28	-3.118	4.001	4.598	1.00	0.00	H
ATOM	897	C4	C	28	-0.951	4.398	4.950	1.00	0.00	C
ATOM	898	N4	C	28	-0.644	3.165	5.310	1.00	0.00	N

ATOM	899	H41	C	28	0.317	2.973	5.555	1.00	0.00	H
ATOM	900	H42	C	28	-1.356	2.449	5.334	1.00	0.00	H
ATOM	901	N3	C	28	0.019	5.320	4.940	1.00	0.00	N
ATOM	902	C2	C	28	-0.254	6.605	4.580	1.00	0.00	C
ATOM	903	O2	C	28	0.615	7.485	4.560	1.00	0.00	O
ATOM	904	C3'	C	28	-2.561	8.482	1.600	1.00	0.00	C
ATOM	905	H3'	C	28	-2.407	7.606	0.969	1.00	0.00	H
ATOM	906	C2'	C	28	-1.319	8.721	2.450	1.00	0.00	C
ATOM	907	H2'	C	28	-0.574	8.183	1.864	1.00	0.00	H
ATOM	908	O2'	C	28	-0.990	10.102	2.480	1.00	0.00	O
ATOM	909	HO2'	C	28	-0.122	10.175	2.884	1.00	0.00	H
ATOM	910	O3'	C	28	-2.549	9.193	0.370	1.00	0.00	O
ATOM	911	P	C	29	-1.989	8.480	-0.940	1.00	0.00	P
ATOM	912	OP1	C	29	-2.304	9.309	-2.130	1.00	0.00	O
ATOM	913	OP2	C	29	-2.479	7.079	-0.990	1.00	0.00	O
ATOM	914	O5'	C	29	-0.415	8.480	-0.670	1.00	0.00	O
ATOM	915	C5'	C	29	0.255	9.747	-0.540	1.00	0.00	C
ATOM	916	H5'	C	29	-0.167	10.310	0.293	1.00	0.00	H
ATOM	917	H5''	C	29	0.128	10.313	-1.463	1.00	0.00	H
ATOM	918	C4'	C	29	1.747	9.521	-0.290	1.00	0.00	C
ATOM	919	H4'	C	29	2.269	10.477	-0.239	1.00	0.00	H
ATOM	920	O4'	C	29	1.902	8.950	1.040	1.00	0.00	O
ATOM	921	C1'	C	29	2.980	8.014	1.040	1.00	0.00	C
ATOM	922	H1'	C	29	3.670	8.255	1.848	1.00	0.00	H
ATOM	923	N1	C	29	2.447	6.686	1.420	1.00	0.00	N
ATOM	924	C6	C	29	1.100	6.437	1.430	1.00	0.00	C
ATOM	925	H6	C	29	0.408	7.219	1.155	1.00	0.00	H
ATOM	926	C5	C	29	0.614	5.224	1.780	1.00	0.00	C
ATOM	927	H5	C	29	-0.462	5.050	1.788	1.00	0.00	H
ATOM	928	C4	C	29	1.576	4.215	2.140	1.00	0.00	C
ATOM	929	N4	C	29	1.168	3.011	2.500	1.00	0.00	N

ATOM	930	H41	C	29	1.873	2.330	2.745	1.00	0.00	H
ATOM	931	H42	C	29	0.182	2.794	2.524	1.00	0.00	H
ATOM	932	N3	C	29	2.890	4.467	2.130	1.00	0.00	N
ATOM	933	C2	C	29	3.355	5.695	1.770	1.00	0.00	C
ATOM	934	O2	C	29	4.561	5.966	1.750	1.00	0.00	O
ATOM	935	C3'	C	29	2.427	8.521	-1.210	1.00	0.00	C
ATOM	936	H3'	C	29	2.083	7.701	-1.840	1.00	0.00	H
ATOM	937	C2'	C	29	3.601	8.051	-0.360	1.00	0.00	C
ATOM	938	H2'	C	29	3.938	7.196	-0.946	1.00	0.00	H
ATOM	939	O2'	C	29	4.624	9.036	-0.330	1.00	0.00	O
ATOM	940	HO2'	C	29	5.394	8.629	0.074	1.00	0.00	H
ATOM	941	O3'	C	29	2.821	9.113	-2.440	1.00	0.00	O
ATOM	942	P	C	30	2.907	8.210	-3.750	1.00	0.00	P
ATOM	943	OP1	C	30	3.091	9.078	-4.940	1.00	0.00	O
ATOM	944	OP2	C	30	1.738	7.296	-3.800	1.00	0.00	O
ATOM	945	O5'	C	30	4.232	7.360	-3.480	1.00	0.00	O
ATOM	946	C5'	C	30	5.480	8.064	-3.350	1.00	0.00	C
ATOM	947	H5'	C	30	5.429	8.766	-2.518	1.00	0.00	H
ATOM	948	H5''	C	30	5.679	8.609	-4.273	1.00	0.00	H
ATOM	949	C4'	C	30	6.614	7.068	-3.100	1.00	0.00	C
ATOM	950	H4'	C	30	7.569	7.590	-3.049	1.00	0.00	H
ATOM	951	O4'	C	30	6.436	6.504	-1.770	1.00	0.00	O
ATOM	952	C1'	C	30	6.837	5.134	-1.770	1.00	0.00	C
ATOM	953	H1'	C	30	7.548	4.964	-0.962	1.00	0.00	H
ATOM	954	N1	C	30	5.671	4.305	-1.390	1.00	0.00	N
ATOM	955	C6	C	30	4.403	4.822	-1.380	1.00	0.00	C
ATOM	956	H6	C	30	4.243	5.854	-1.656	1.00	0.00	H
ATOM	957	C5	C	30	3.339	4.065	-1.030	1.00	0.00	C
ATOM	958	H5	C	30	2.340	4.501	-1.022	1.00	0.00	H
ATOM	959	C4	C	30	3.603	2.696	-0.670	1.00	0.00	C
ATOM	960	N4	C	30	2.610	1.903	-0.310	1.00	0.00	N

ATOM	961	H41	C	30	2.836	0.950	-0.065	1.00	0.00	H
ATOM	962	H42	C	30	1.663	2.252	-0.286	1.00	0.00	H
ATOM	963	N3	C	30	4.845	2.198	-0.680	1.00	0.00	N
ATOM	964	C2	C	30	5.900	2.980	-1.040	1.00	0.00	C
ATOM	965	O2	C	30	7.062	2.556	-1.060	1.00	0.00	O
ATOM	966	C3'	C	30	6.646	5.859	-4.020	1.00	0.00	C
ATOM	967	H3'	C	30	5.915	5.354	-4.651	1.00	0.00	H
ATOM	968	C2'	C	30	7.380	4.830	-3.170	1.00	0.00	C
ATOM	969	H2'	C	30	7.201	3.929	-3.756	1.00	0.00	H
ATOM	970	O2'	C	30	8.772	5.106	-3.140	1.00	0.00	O
ATOM	971	HO2'	C	30	9.200	4.348	-2.736	1.00	0.00	H
ATOM	972	O3'	C	30	7.297	6.145	-5.250	1.00	0.00	O
ATOM	973	HO3'	C	30	7.342	5.410	-5.865	1.00	0.00	H

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