

Exploring potentially alternative non-canonical DNA duplex structures through simulation.

AUTHORS

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Supporting Information. Starting reference structures studied in this work (PDB files).

IIL

ATOM	1	HO5'	DC5	1	-2.787	-10.101	-21.706	1.00	0.00
ATOM	2	O5'	DC5	1	-3.048	-9.527	-20.982	1.00	0.00
ATOM	3	C5'	DC5	1	-4.428	-9.271	-20.770	1.00	0.00
ATOM	4	H5'	DC5	1	-4.920	-10.226	-20.585	1.00	0.00
ATOM	5	H5''	DC5	1	-4.842	-8.818	-21.671	1.00	0.00
ATOM	6	C4'	DC5	1	-4.670	-8.350	-19.593	1.00	0.00
ATOM	7	H4'	DC5	1	-4.601	-8.924	-18.669	1.00	0.00
ATOM	8	O4'	DC5	1	-3.644	-7.339	-19.469	1.00	0.00
ATOM	9	C1'	DC5	1	-4.233	-6.295	-18.700	1.00	0.00
ATOM	10	H1'	DC5	1	-4.290	-6.587	-17.651	1.00	0.00
ATOM	11	N1	DC5	1	-3.272	-5.194	-18.700	1.00	0.00
ATOM	12	C6	DC5	1	-1.944	-5.522	-18.700	1.00	0.00
ATOM	13	H6	DC5	1	-1.635	-6.557	-18.700	1.00	0.00
ATOM	14	C5	DC5	1	-0.982	-4.538	-18.700	1.00	0.00
ATOM	15	H5	DC5	1	0.077	-4.796	-18.700	1.00	0.00
ATOM	16	C4	DC5	1	-1.440	-3.239	-18.700	1.00	0.00
ATOM	17	N4	DC5	1	-0.590	-2.222	-18.700	1.00	0.00
ATOM	18	H41	DC5	1	-0.975	-1.288	-18.700	1.00	0.00
ATOM	19	H42	DC5	1	0.406	-2.391	-18.700	1.00	0.00
ATOM	20	N3	DC5	1	-2.766	-2.941	-18.700	1.00	0.00
ATOM	21	C2	DC5	1	-3.704	-3.921	-18.700	1.00	0.00
ATOM	22	O2	DC5	1	-4.902	-3.662	-18.700	1.00	0.00
ATOM	23	C3'	DC5	1	-5.969	-7.557	-19.707	1.00	0.00
ATOM	24	H3'	DC5	1	-6.421	-7.636	-20.696	1.00	0.00
ATOM	25	C2'	DC5	1	-5.540	-6.115	-19.458	1.00	0.00
ATOM	26	H2'	DC5	1	-5.919	-5.479	-20.258	1.00	0.00
ATOM	27	H2''	DC5	1	-5.942	-5.775	-18.504	1.00	0.00
ATOM	28	O3'	DC5	1	-6.919	-8.040	-18.759	1.00	0.00
ATOM	29	P	DG	2	-8.324	-7.306	-18.569	1.00	0.00
ATOM	30	OP1	DG	2	-8.792	-6.827	-19.889	1.00	0.00
ATOM	31	OP2	DG	2	-9.242	-8.198	-17.831	1.00	0.00
ATOM	32	O5'	DG	2	-7.921	-6.109	-17.582	1.00	0.00
ATOM	33	C5'	DG	2	-8.911	-5.114	-17.370	1.00	0.00
ATOM	34	H5'	DG	2	-9.858	-5.621	-17.185	1.00	0.00
ATOM	35	H5''	DG	2	-8.992	-4.487	-18.258	1.00	0.00
ATOM	36	C4'	DG	2	-8.587	-4.218	-16.193	1.00	0.00
ATOM	37	H4'	DG	2	-8.856	-4.730	-15.269	1.00	0.00
ATOM	38	O4'	DG	2	-7.169	-3.969	-16.069	1.00	0.00
ATOM	39	C1'	DG	2	-7.060	-2.775	-15.300	1.00	0.00
ATOM	40	H1'	DG	2	-7.274	-2.981	-14.251	1.00	0.00
ATOM	41	N9	DG	2	-5.644	-2.416	-15.300	1.00	0.00
ATOM	42	C8	DG	2	-4.578	-3.286	-15.300	1.00	0.00
ATOM	43	H8	DG	2	-4.708	-4.358	-15.298	1.00	0.00

ATOM	44	N7	DG	2	-3.406	-2.634	-15.300	1.00	0.00
ATOM	45	C5	DG	2	-3.772	-1.337	-15.300	1.00	0.00
ATOM	46	C6	DG	2	-2.984	-0.176	-15.300	1.00	0.00
ATOM	47	O6	DG	2	-1.754	-0.087	-15.300	1.00	0.00
ATOM	48	N1	DG	2	-3.753	0.962	-15.300	1.00	0.00
ATOM	49	H1	DG	2	-3.244	1.823	-15.300	1.00	0.00
ATOM	50	C2	DG	2	-5.112	1.038	-15.300	1.00	0.00
ATOM	51	N2	DG	2	-5.674	2.250	-15.300	1.00	0.00
ATOM	52	H21	DG	2	-5.198	3.141	-15.288	1.00	0.00
ATOM	53	H22	DG	2	-6.684	2.279	-15.291	1.00	0.00
ATOM	54	N3	DG	2	-5.867	-0.058	-15.300	1.00	0.00
ATOM	55	C4	DG	2	-5.138	-1.180	-15.300	1.00	0.00
ATOM	56	C3'	DG	2	-9.206	-2.828	-16.307	1.00	0.00
ATOM	57	H3'	DG	2	-9.623	-2.636	-17.296	1.00	0.00
ATOM	58	C2'	DG	2	-8.033	-1.885	-16.058	1.00	0.00
ATOM	59	H2'	DG	2	-7.983	-1.147	-16.859	1.00	0.00
ATOM	60	H2''	DG	2	-8.171	-1.377	-15.104	1.00	0.00
ATOM	61	O3'	DG	2	-10.261	-2.685	-15.359	1.00	0.00
ATOM	62	P	DC	3	-11.000	-1.283	-15.169	1.00	0.00
ATOM	63	OP1	DC	3	-11.114	-0.623	-16.489	1.00	0.00
ATOM	64	OP2	DC	3	-12.263	-1.496	-14.431	1.00	0.00
ATOM	65	O5'	DC	3	-9.989	-0.527	-14.182	1.00	0.00
ATOM	66	C5'	DC	3	-10.238	0.854	-13.970	1.00	0.00
ATOM	67	H5'	DC	3	-11.305	0.976	-13.786	1.00	0.00
ATOM	68	H5''	DC	3	-9.948	1.416	-14.857	1.00	0.00
ATOM	69	C4'	DC	3	-9.463	1.407	-12.793	1.00	0.00
ATOM	70	H4'	DC	3	-9.975	1.139	-11.869	1.00	0.00
ATOM	71	O4'	DC	3	-8.154	0.807	-12.669	1.00	0.00
ATOM	72	C1'	DC	3	-7.387	1.727	-11.900	1.00	0.00
ATOM	73	H1'	DC	3	-7.680	1.677	-10.851	1.00	0.00
ATOM	74	N1	DC	3	-6.017	1.218	-11.900	1.00	0.00
ATOM	75	C6	DC	3	-5.852	-0.139	-11.900	1.00	0.00
ATOM	76	H6	DC	3	-6.710	-0.794	-11.900	1.00	0.00
ATOM	77	C5	DC	3	-4.591	-0.691	-11.900	1.00	0.00
ATOM	78	H5	DC	3	-4.456	-1.773	-11.900	1.00	0.00
ATOM	79	C4	DC	3	-3.539	0.198	-11.900	1.00	0.00
ATOM	80	N4	DC	3	-2.287	-0.236	-11.900	1.00	0.00
ATOM	81	H41	DC	3	-1.551	0.455	-11.900	1.00	0.00
ATOM	82	H42	DC	3	-2.092	-1.227	-11.900	1.00	0.00
ATOM	83	N3	DC	3	-3.730	1.544	-11.900	1.00	0.00
ATOM	84	C2	DC	3	-4.979	2.074	-11.900	1.00	0.00
ATOM	85	O2	DC	3	-5.162	3.286	-11.900	1.00	0.00
ATOM	86	C3'	DC	3	-9.182	2.903	-12.907	1.00	0.00
ATOM	87	H3'	DC	3	-9.416	3.298	-13.896	1.00	0.00
ATOM	88	C2'	DC	3	-7.681	3.012	-12.658	1.00	0.00
ATOM	89	H2'	DC	3	-7.220	3.591	-13.459	1.00	0.00
ATOM	90	H2''	DC	3	-7.506	3.509	-11.704	1.00	0.00
ATOM	91	O3'	DC	3	-9.970	3.620	-11.959	1.00	0.00
ATOM	92	P	DG	4	-9.782	5.194	-11.769	1.00	0.00
ATOM	93	OP1	DG	4	-9.500	5.801	-13.089	1.00	0.00
ATOM	94	OP2	DG	4	-10.942	5.736	-11.031	1.00	0.00
ATOM	95	O5'	DG	4	-8.520	5.242	-10.782	1.00	0.00
ATOM	96	C5'	DG	4	-7.940	6.520	-10.570	1.00	0.00
ATOM	97	H5'	DG	4	-8.749	7.227	-10.385	1.00	0.00
ATOM	98	H5''	DG	4	-7.382	6.818	-11.457	1.00	0.00
ATOM	99	C4'	DG	4	-6.988	6.534	-9.393	1.00	0.00
ATOM	100	H4'	DG	4	-7.562	6.604	-8.469	1.00	0.00
ATOM	101	O4'	DG	4	-6.252	5.296	-9.269	1.00	0.00
ATOM	102	C1'	DG	4	-5.097	5.618	-8.500	1.00	0.00
ATOM	103	H1'	DG	4	-5.365	5.745	-7.451	1.00	0.00

ATOM	104	N9	DG	4	-4.259	4.421	-8.500	1.00	0.00
ATOM	105	C8	DG	4	-4.695	3.116	-8.500	1.00	0.00
ATOM	106	H8	DG	4	-5.744	2.858	-8.498	1.00	0.00
ATOM	107	N7	DG	4	-3.671	2.251	-8.500	1.00	0.00
ATOM	108	C5	DG	4	-2.587	3.053	-8.500	1.00	0.00
ATOM	109	C6	DG	4	-1.222	2.728	-8.500	1.00	0.00
ATOM	110	O6	DG	4	-0.703	1.609	-8.500	1.00	0.00
ATOM	111	N1	DG	4	-0.431	3.850	-8.500	1.00	0.00
ATOM	112	H1	DG	4	0.554	3.679	-8.500	1.00	0.00
ATOM	113	C2	DG	4	-0.841	5.148	-8.500	1.00	0.00
ATOM	114	N2	DG	4	0.093	6.103	-8.500	1.00	0.00
ATOM	115	H21	DG	4	1.095	5.974	-8.488	1.00	0.00
ATOM	116	H22	DG	4	-0.238	7.057	-8.491	1.00	0.00
ATOM	117	N3	DG	4	-2.133	5.465	-8.500	1.00	0.00
ATOM	118	C4	DG	4	-2.925	4.386	-8.500	1.00	0.00
ATOM	119	C3'	DG	4	-5.907	7.606	-9.507	1.00	0.00
ATOM	120	H3'	DG	4	-5.875	8.064	-10.495	1.00	0.00
ATOM	121	C2'	DG	4	-4.610	6.843	-9.258	1.00	0.00
ATOM	122	H2'	DG	4	-3.902	7.057	-10.059	1.00	0.00
ATOM	123	H2''	DG	4	-4.183	7.153	-8.304	1.00	0.00
ATOM	124	O3'	DG	4	-6.148	8.643	-8.559	1.00	0.00
ATOM	125	P	DA	5	-5.099	9.831	-8.369	1.00	0.00
ATOM	126	OP1	DA	5	-4.522	10.171	-9.689	1.00	0.00
ATOM	127	OP2	DA	5	-5.746	10.937	-7.631	1.00	0.00
ATOM	128	O5'	DA	5	-4.033	9.154	-7.382	1.00	0.00
ATOM	129	C5'	DA	5	-2.831	9.876	-7.170	1.00	0.00
ATOM	130	H5'	DA	5	-3.095	10.917	-6.985	1.00	0.00
ATOM	131	H5''	DA	5	-2.202	9.804	-8.057	1.00	0.00
ATOM	132	C4'	DA	5	-2.039	9.347	-5.993	1.00	0.00
ATOM	133	H4'	DA	5	-2.472	9.731	-5.069	1.00	0.00
ATOM	134	O4'	DA	5	-2.136	7.911	-5.869	1.00	0.00
ATOM	135	C1'	DA	5	-1.003	7.519	-5.100	1.00	0.00
ATOM	136	H1'	DA	5	-1.084	7.764	-4.041	1.00	0.00
ATOM	137	N9	DA	5	-0.993	6.058	-5.100	1.00	0.00
ATOM	138	C8	DA	5	-2.014	5.149	-5.100	1.00	0.00
ATOM	139	H8	DA	5	-3.049	5.454	-5.149	1.00	0.00
ATOM	140	N7	DA	5	-1.563	3.883	-5.100	1.00	0.00
ATOM	141	C5	DA	5	-0.226	4.006	-5.100	1.00	0.00
ATOM	142	C6	DA	5	0.802	3.053	-5.100	1.00	0.00
ATOM	143	N6	DA	5	0.581	1.736	-5.100	1.00	0.00
ATOM	144	H61	DA	5	1.360	1.093	-5.100	1.00	0.00
ATOM	145	H62	DA	5	-0.365	1.383	-5.100	1.00	0.00
ATOM	146	N1	DA	5	2.050	3.524	-5.100	1.00	0.00
ATOM	147	C2	DA	5	2.304	4.832	-5.100	1.00	0.00
ATOM	148	H2	DA	5	3.313	5.216	-5.100	1.00	0.00
ATOM	149	N3	DA	5	1.418	5.827	-5.100	1.00	0.00
ATOM	150	C4	DA	5	0.163	5.329	-5.100	1.00	0.00
ATOM	151	C3'	DA	5	-0.540	9.615	-6.107	1.00	0.00
ATOM	152	H3'	DA	5	-0.253	9.974	-7.096	1.00	0.00
ATOM	153	C2'	DA	5	0.094	8.250	-5.858	1.00	0.00
ATOM	154	H2'	DA	5	0.798	8.024	-6.659	1.00	0.00
ATOM	155	H2''	DA	5	0.621	8.262	-4.904	1.00	0.00
ATOM	156	O3'	DA	5	-0.149	10.606	-5.159	1.00	0.00
ATOM	157	P	DA	6	1.389	10.988	-4.969	1.00	0.00
ATOM	158	OP1	DA	6	2.057	10.939	-6.289	1.00	0.00
ATOM	159	OP2	DA	6	1.485	12.264	-4.231	1.00	0.00
ATOM	160	O5'	DA	6	1.881	9.824	-3.982	1.00	0.00
ATOM	161	C5'	DA	6	3.282	9.736	-3.770	1.00	0.00
ATOM	162	H5'	DA	6	3.655	10.743	-3.584	1.00	0.00
ATOM	163	H5''	DA	6	3.759	9.321	-4.658	1.00	0.00

ATOM	164	C4'	DA	6	3.633	8.850	-2.593	1.00	0.00
ATOM	165	H4'	DA	6	3.496	9.412	-1.669	1.00	0.00
ATOM	166	O4'	DA	6	2.736	7.724	-2.469	1.00	0.00
ATOM	167	C1'	DA	6	3.447	6.758	-1.700	1.00	0.00
ATOM	168	H1'	DA	6	3.520	7.005	-0.641	1.00	0.00
ATOM	169	N9	DA	6	2.624	5.550	-1.700	1.00	0.00
ATOM	170	C8	DA	6	1.268	5.382	-1.700	1.00	0.00
ATOM	171	H8	DA	6	0.590	6.221	-1.749	1.00	0.00
ATOM	172	N7	DA	6	0.920	4.084	-1.700	1.00	0.00
ATOM	173	C5	DA	6	2.090	3.425	-1.700	1.00	0.00
ATOM	174	C6	DA	6	2.395	2.057	-1.700	1.00	0.00
ATOM	175	N6	DA	6	1.465	1.099	-1.700	1.00	0.00
ATOM	176	H61	DA	6	1.741	0.127	-1.700	1.00	0.00
ATOM	177	H62	DA	6	0.486	1.346	-1.700	1.00	0.00
ATOM	178	N1	DA	6	3.689	1.736	-1.700	1.00	0.00
ATOM	179	C2	DA	6	4.641	2.667	-1.700	1.00	0.00
ATOM	180	H2	DA	6	5.690	2.410	-1.700	1.00	0.00
ATOM	181	N3	DA	6	4.477	3.990	-1.700	1.00	0.00
ATOM	182	C4	DA	6	3.161	4.293	-1.700	1.00	0.00
ATOM	183	C3'	DA	6	5.018	8.219	-2.707	1.00	0.00
ATOM	184	H3'	DA	6	5.457	8.352	-3.696	1.00	0.00
ATOM	185	C2'	DA	6	4.765	6.736	-2.458	1.00	0.00
ATOM	186	H2'	DA	6	5.217	6.150	-3.259	1.00	0.00
ATOM	187	H2''	DA	6	5.206	6.447	-1.504	1.00	0.00
ATOM	188	O3'	DA	6	5.903	8.813	-1.759	1.00	0.00
ATOM	189	P	DT	7	7.386	8.253	-1.569	1.00	0.00
ATOM	190	OP1	DT	7	7.908	7.833	-2.889	1.00	0.00
ATOM	191	OP2	DT	7	8.190	9.249	-0.831	1.00	0.00
ATOM	192	O5'	DT	7	7.130	7.016	-0.582	1.00	0.00
ATOM	193	C5'	DT	7	8.232	6.147	-0.370	1.00	0.00
ATOM	194	H5'	DT	7	9.113	6.762	-0.186	1.00	0.00
ATOM	195	H5''	DT	7	8.387	5.533	-1.257	1.00	0.00
ATOM	196	C4'	DT	7	8.018	5.220	0.807	1.00	0.00
ATOM	197	H4'	DT	7	8.223	5.760	1.731	1.00	0.00
ATOM	198	O4'	DT	7	6.640	4.801	0.931	1.00	0.00
ATOM	199	C1'	DT	7	6.676	3.603	1.700	1.00	0.00
ATOM	200	H1'	DT	7	6.870	3.782	2.758	1.00	0.00
ATOM	201	N1	DT	7	5.313	3.076	1.700	1.00	0.00
ATOM	202	C6	DT	7	4.392	4.064	1.700	1.00	0.00
ATOM	203	H6	DT	7	4.706	5.096	1.656	1.00	0.00
ATOM	204	C5	DT	7	3.054	3.784	1.700	1.00	0.00
ATOM	205	C7	DT	7	2.113	4.965	1.700	1.00	0.00
ATOM	206	H71	DT	7	2.288	5.570	0.810	1.00	0.00
ATOM	207	H72	DT	7	1.083	4.609	1.700	1.00	0.00
ATOM	208	H73	DT	7	2.288	5.570	2.590	1.00	0.00
ATOM	209	C4	DT	7	2.638	2.459	1.700	1.00	0.00
ATOM	210	O4	DT	7	1.467	2.104	1.700	1.00	0.00
ATOM	211	N3	DT	7	3.614	1.531	1.700	1.00	0.00
ATOM	212	H3	DT	7	3.316	0.483	1.700	1.00	0.00
ATOM	213	C2	DT	7	4.927	1.784	1.700	1.00	0.00
ATOM	214	O2	DT	7	5.747	0.872	1.700	1.00	0.00
ATOM	215	C3'	DT	7	8.799	3.913	0.693	1.00	0.00
ATOM	216	H3'	DT	7	9.236	3.773	-0.296	1.00	0.00
ATOM	217	C2'	DT	7	7.748	2.836	0.942	1.00	0.00
ATOM	218	H2'	DT	7	7.787	2.097	0.141	1.00	0.00
ATOM	219	H2''	DT	7	7.946	2.348	1.896	1.00	0.00
ATOM	220	O3'	DT	7	9.865	3.899	1.641	1.00	0.00
ATOM	221	P	DT	8	10.767	2.596	1.831	1.00	0.00
ATOM	222	OP1	DT	8	10.958	1.954	0.511	1.00	0.00
ATOM	223	OP2	DT	8	11.995	2.959	2.569	1.00	0.00

ATOM	224	O5'	DT	8	9.853	1.723	2.818	1.00	0.00
ATOM	225	C5'	DT	8	10.267	0.382	3.030	1.00	0.00
ATOM	226	H5'	DT	8	11.341	0.390	3.216	1.00	0.00
ATOM	227	H5''	DT	8	10.047	-0.211	2.142	1.00	0.00
ATOM	228	C4'	DT	8	9.563	-0.260	4.207	1.00	0.00
ATOM	229	H4'	DT	8	10.039	0.068	5.131	1.00	0.00
ATOM	230	O4'	DT	8	8.192	0.179	4.331	1.00	0.00
ATOM	231	C1'	DT	8	7.541	-0.827	5.100	1.00	0.00
ATOM	232	H1'	DT	8	7.802	-0.790	6.158	1.00	0.00
ATOM	233	N1	DT	8	6.120	-0.487	5.100	1.00	0.00
ATOM	234	C6	DT	8	5.923	0.849	5.100	1.00	0.00
ATOM	235	H6	DT	8	6.768	1.520	5.056	1.00	0.00
ATOM	236	C5	DT	8	4.663	1.379	5.100	1.00	0.00
ATOM	237	C7	DT	8	4.560	2.885	5.100	1.00	0.00
ATOM	238	H71	DT	8	5.048	3.283	4.210	1.00	0.00
ATOM	239	H72	DT	8	3.510	3.178	5.100	1.00	0.00
ATOM	240	H73	DT	8	5.048	3.283	5.990	1.00	0.00
ATOM	241	C4	DT	8	3.569	0.525	5.100	1.00	0.00
ATOM	242	O4	DT	8	2.403	0.898	5.100	1.00	0.00
ATOM	243	N3	DT	8	3.844	-0.793	5.100	1.00	0.00
ATOM	244	H3	DT	8	3.003	-1.486	5.100	1.00	0.00
ATOM	245	C2	DT	8	5.068	-1.331	5.100	1.00	0.00
ATOM	246	O2	DT	8	5.225	-2.548	5.100	1.00	0.00
ATOM	247	C3'	DT	8	9.464	-1.779	4.093	1.00	0.00
ATOM	248	H3'	DT	8	9.744	-2.143	3.104	1.00	0.00
ATOM	249	C2'	DT	8	7.988	-2.068	4.342	1.00	0.00
ATOM	250	H2'	DT	8	7.601	-2.698	3.542	1.00	0.00
ATOM	251	H2''	DT	8	7.874	-2.582	5.296	1.00	0.00
ATOM	252	O3'	DT	8	10.333	-2.396	5.041	1.00	0.00
ATOM	253	P	DC	9	10.335	-3.981	5.231	1.00	0.00
ATOM	254	OP1	DC	9	10.128	-4.618	3.911	1.00	0.00
ATOM	255	OP2	DC	9	11.552	-4.380	5.969	1.00	0.00
ATOM	256	O5'	DC	9	9.088	-4.180	6.218	1.00	0.00
ATOM	257	C5'	DC	9	8.666	-5.518	6.430	1.00	0.00
ATOM	258	H5'	DC	9	9.554	-6.123	6.614	1.00	0.00
ATOM	259	H5''	DC	9	8.147	-5.881	5.543	1.00	0.00
ATOM	260	C4'	DC	9	7.723	-5.647	7.607	1.00	0.00
ATOM	261	H4'	DC	9	8.301	-5.647	8.531	1.00	0.00
ATOM	262	O4'	DC	9	6.843	-4.507	7.731	1.00	0.00
ATOM	263	C1'	DC	9	5.735	-4.965	8.500	1.00	0.00
ATOM	264	H1'	DC	9	6.017	-5.058	9.549	1.00	0.00
ATOM	265	N1	DC	9	4.760	-3.877	8.500	1.00	0.00
ATOM	266	C6	DC	9	5.245	-2.599	8.500	1.00	0.00
ATOM	267	H6	DC	9	6.310	-2.418	8.500	1.00	0.00
ATOM	268	C5	DC	9	4.386	-1.524	8.500	1.00	0.00
ATOM	269	H5	DC	9	4.770	-0.504	8.500	1.00	0.00
ATOM	270	C4	DC	9	3.041	-1.822	8.500	1.00	0.00
ATOM	271	N4	DC	9	2.134	-0.855	8.500	1.00	0.00
ATOM	272	H41	DC	9	1.161	-1.124	8.500	1.00	0.00
ATOM	273	H42	DC	9	2.422	0.113	8.500	1.00	0.00
ATOM	274	N3	DC	9	2.584	-3.102	8.500	1.00	0.00
ATOM	275	C2	DC	9	3.443	-4.152	8.500	1.00	0.00
ATOM	276	O2	DC	9	3.041	-5.310	8.500	1.00	0.00
ATOM	277	C3'	DC	9	6.778	-6.841	7.493	1.00	0.00
ATOM	278	H3'	DC	9	6.801	-7.300	6.504	1.00	0.00
ATOM	279	C2'	DC	9	5.399	-6.240	7.742	1.00	0.00
ATOM	280	H2'	DC	9	4.722	-6.538	6.941	1.00	0.00
ATOM	281	H2''	DC	9	5.013	-6.599	8.696	1.00	0.00
ATOM	282	O3'	DC	9	7.142	-7.842	8.441	1.00	0.00
ATOM	283	P	DG	10	6.243	-9.148	8.631	1.00	0.00

ATOM	284	OP1	DG	10	5.711	-9.554	7.311	1.00	0.00
ATOM	285	OP2	DG	10	7.018	-10.167	9.369	1.00	0.00
ATOM	286	O5'	DG	10	5.104	-8.603	9.618	1.00	0.00
ATOM	287	C5'	DG	10	3.997	-9.465	9.830	1.00	0.00
ATOM	288	H5'	DG	10	4.384	-10.467	10.015	1.00	0.00
ATOM	289	H5''	DG	10	3.364	-9.470	8.942	1.00	0.00
ATOM	290	C4'	DG	10	3.147	-9.035	11.007	1.00	0.00
ATOM	291	H4'	DG	10	3.622	-9.364	11.931	1.00	0.00
ATOM	292	O4'	DG	10	3.071	-7.597	11.131	1.00	0.00
ATOM	293	C1'	DG	10	1.899	-7.344	11.900	1.00	0.00
ATOM	294	H1'	DG	10	2.077	-7.581	12.949	1.00	0.00
ATOM	295	N9	DG	10	1.714	-5.895	11.900	1.00	0.00
ATOM	296	C8	DG	10	2.707	-4.942	11.900	1.00	0.00
ATOM	297	H8	DG	10	3.755	-5.201	11.902	1.00	0.00
ATOM	298	N7	DG	10	2.202	-3.700	11.900	1.00	0.00
ATOM	299	C5	DG	10	0.870	-3.906	11.900	1.00	0.00
ATOM	300	C6	DG	10	-0.187	-2.983	11.900	1.00	0.00
ATOM	301	O6	DG	10	-0.126	-1.751	11.900	1.00	0.00
ATOM	302	N1	DG	10	-1.410	-3.608	11.900	1.00	0.00
ATOM	303	H1	DG	10	-2.203	-2.998	11.900	1.00	0.00
ATOM	304	C2	DG	10	-1.650	-4.948	11.900	1.00	0.00
ATOM	305	N2	DG	10	-2.921	-5.360	11.900	1.00	0.00
ATOM	306	H21	DG	10	-3.748	-4.780	11.912	1.00	0.00
ATOM	307	H22	DG	10	-3.072	-6.359	11.909	1.00	0.00
ATOM	308	N3	DG	10	-0.654	-5.830	11.900	1.00	0.00
ATOM	309	C4	DG	10	0.549	-5.243	11.900	1.00	0.00
ATOM	310	C3'	DG	10	1.691	-9.480	10.893	1.00	0.00
ATOM	311	H3'	DG	10	1.450	-9.871	9.904	1.00	0.00
ATOM	312	C2'	DG	10	0.898	-8.202	11.142	1.00	0.00
ATOM	313	H2'	DG	10	0.172	-8.063	10.341	1.00	0.00
ATOM	314	H2''	DG	10	0.376	-8.278	12.096	1.00	0.00
ATOM	315	O3'	DG	10	1.422	-10.511	11.841	1.00	0.00
ATOM	316	P	DC	11	-0.059	-11.075	12.031	1.00	0.00
ATOM	317	OP1	DC	11	-0.728	-11.107	10.711	1.00	0.00
ATOM	318	OP2	DC	11	-0.001	-12.354	12.769	1.00	0.00
ATOM	319	O5'	DC	11	-0.687	-9.979	13.018	1.00	0.00
ATOM	320	C5'	DC	11	-2.088	-10.060	13.230	1.00	0.00
ATOM	321	H5'	DC	11	-2.338	-11.105	13.415	1.00	0.00
ATOM	322	H5''	DC	11	-2.611	-9.705	12.342	1.00	0.00
ATOM	323	C4'	DC	11	-2.543	-9.223	14.407	1.00	0.00
ATOM	324	H4'	DC	11	-2.338	-9.764	15.331	1.00	0.00
ATOM	325	O4'	DC	11	-1.789	-7.996	14.531	1.00	0.00
ATOM	326	C1'	DC	11	-2.610	-7.123	15.300	1.00	0.00
ATOM	327	H1'	DC	11	-2.596	-7.420	16.349	1.00	0.00
ATOM	328	N1	DC	11	-1.938	-5.825	15.300	1.00	0.00
ATOM	329	C6	DC	11	-0.571	-5.826	15.300	1.00	0.00
ATOM	330	H6	DC	11	-0.024	-6.757	15.300	1.00	0.00
ATOM	331	C5	DC	11	0.129	-4.641	15.300	1.00	0.00
ATOM	332	H5	DC	11	1.219	-4.638	15.300	1.00	0.00
ATOM	333	C4	DC	11	-0.626	-3.489	15.300	1.00	0.00
ATOM	334	N4	DC	11	-0.043	-2.299	15.300	1.00	0.00
ATOM	335	H41	DC	11	-0.639	-1.484	15.300	1.00	0.00
ATOM	336	H42	DC	11	0.964	-2.226	15.300	1.00	0.00
ATOM	337	N3	DC	11	-1.985	-3.515	15.300	1.00	0.00
ATOM	338	C2	DC	11	-2.662	-4.691	15.300	1.00	0.00
ATOM	339	O2	DC	11	-3.887	-4.726	15.300	1.00	0.00
ATOM	340	C3'	DC	11	-3.994	-8.763	14.293	1.00	0.00
ATOM	341	H3'	DC	11	-4.414	-8.947	13.304	1.00	0.00
ATOM	342	C2'	DC	11	-3.921	-7.260	14.542	1.00	0.00
ATOM	343	H2'	DC	11	-4.440	-6.733	13.742	1.00	0.00

ATOM	344	H2 ' '	DC	11	-4.393	-7.026	15.496	1.00	0.00
ATOM	345	O3'	DC	11	-4.802	-9.458	15.241	1.00	0.00
ATOM	346	P	DG3	12	-6.341	-9.080	15.431	1.00	0.00
ATOM	347	OP1	DG3	12	-6.910	-8.727	14.111	1.00	0.00
ATOM	348	OP2	DG3	12	-7.019	-10.166	16.169	1.00	0.00
ATOM	349	O5'	DG3	12	-6.235	-7.822	16.418	1.00	0.00
ATOM	350	C5'	DG3	12	-7.434	-7.092	16.630	1.00	0.00
ATOM	351	H5'	DG3	12	-8.234	-7.809	16.815	1.00	0.00
ATOM	352	H5 ' '	DG3	12	-7.662	-6.502	15.742	1.00	0.00
ATOM	353	C4'	DG3	12	-7.333	-6.145	17.807	1.00	0.00
ATOM	354	H4'	DG3	12	-7.472	-6.706	18.731	1.00	0.00
ATOM	355	O4'	DG3	12	-6.015	-5.564	17.931	1.00	0.00
ATOM	356	C1'	DG3	12	-6.194	-4.379	18.700	1.00	0.00
ATOM	357	H1'	DG3	12	-6.352	-4.630	19.749	1.00	0.00
ATOM	358	N9	DG3	12	-4.905	-3.692	18.700	1.00	0.00
ATOM	359	C8	DG3	12	-3.662	-4.283	18.700	1.00	0.00
ATOM	360	H8	DG3	12	-3.533	-5.355	18.702	1.00	0.00
ATOM	361	N7	DG3	12	-2.679	-3.371	18.700	1.00	0.00
ATOM	362	C5	DG3	12	-3.344	-2.198	18.700	1.00	0.00
ATOM	363	C6	DG3	12	-2.856	-0.883	18.700	1.00	0.00
ATOM	364	O6	DG3	12	-1.682	-0.503	18.700	1.00	0.00
ATOM	365	N1	DG3	12	-3.874	0.039	18.700	1.00	0.00
ATOM	366	H1	DG3	12	-3.585	0.996	18.700	1.00	0.00
ATOM	367	C2	DG3	12	-5.212	-0.211	18.700	1.00	0.00
ATOM	368	N2	DG3	12	-6.047	0.831	18.700	1.00	0.00
ATOM	369	H21	DG3	12	-5.798	1.810	18.712	1.00	0.00
ATOM	370	H22	DG3	12	-7.034	0.618	18.709	1.00	0.00
ATOM	371	N3	DG3	12	-5.684	-1.455	18.700	1.00	0.00
ATOM	372	C4	DG3	12	-4.708	-2.372	18.700	1.00	0.00
ATOM	373	C3'	DG3	12	-8.265	-4.942	17.693	1.00	0.00
ATOM	374	H3'	DG3	12	-8.715	-4.855	16.704	1.00	0.00
ATOM	375	C2'	DG3	12	-7.351	-3.747	17.942	1.00	0.00
ATOM	376	H2'	DG3	12	-7.479	-3.018	17.142	1.00	0.00
ATOM	377	H2 ' '	DG3	12	-7.606	-3.286	18.896	1.00	0.00
ATOM	378	O3'	DG3	12	-9.325	-5.055	18.641	1.00	0.00
ATOM	379	HO3'	DG3	12	-9.957	-4.332	18.631	1.00	0.00
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ATOM	380	HO5'	DC5	13	-2.787	10.101	21.706	1.00	0.00
ATOM	381	O5'	DC5	13	-3.048	9.527	20.982	1.00	0.00
ATOM	382	C5'	DC5	13	-4.428	9.271	20.770	1.00	0.00
ATOM	383	H5'	DC5	13	-4.920	10.226	20.585	1.00	0.00
ATOM	384	H5 ' '	DC5	13	-4.842	8.818	21.671	1.00	0.00
ATOM	385	C4'	DC5	13	-4.670	8.350	19.593	1.00	0.00
ATOM	386	H4'	DC5	13	-4.601	8.924	18.669	1.00	0.00
ATOM	387	O4'	DC5	13	-3.644	7.339	19.469	1.00	0.00
ATOM	388	C1'	DC5	13	-4.233	6.295	18.700	1.00	0.00
ATOM	389	H1'	DC5	13	-4.290	6.587	17.651	1.00	0.00
ATOM	390	N1	DC5	13	-3.272	5.194	18.700	1.00	0.00
ATOM	391	C6	DC5	13	-1.944	5.522	18.700	1.00	0.00
ATOM	392	H6	DC5	13	-1.635	6.557	18.700	1.00	0.00
ATOM	393	C5	DC5	13	-0.982	4.538	18.700	1.00	0.00
ATOM	394	H5	DC5	13	0.077	4.796	18.700	1.00	0.00
ATOM	395	C4	DC5	13	-1.440	3.239	18.700	1.00	0.00
ATOM	396	N4	DC5	13	-0.590	2.222	18.700	1.00	0.00
ATOM	397	H41	DC5	13	-0.975	1.288	18.700	1.00	0.00
ATOM	398	H42	DC5	13	0.406	2.391	18.700	1.00	0.00
ATOM	399	N3	DC5	13	-2.766	2.941	18.700	1.00	0.00
ATOM	400	C2	DC5	13	-3.704	3.921	18.700	1.00	0.00
ATOM	401	O2	DC5	13	-4.902	3.662	18.700	1.00	0.00
ATOM	402	C3'	DC5	13	-5.969	7.557	19.707	1.00	0.00

ATOM	403	H3'	DC5	13	-6.421	7.636	20.696	1.00	0.00
ATOM	404	C2'	DC5	13	-5.540	6.115	19.458	1.00	0.00
ATOM	405	H2'	DC5	13	-5.919	5.479	20.258	1.00	0.00
ATOM	406	H2''	DC5	13	-5.942	5.775	18.504	1.00	0.00
ATOM	407	O3'	DC5	13	-6.919	8.040	18.759	1.00	0.00
ATOM	408	P	DG	14	-8.324	7.306	18.569	1.00	0.00
ATOM	409	OP1	DG	14	-8.792	6.827	19.889	1.00	0.00
ATOM	410	OP2	DG	14	-9.242	8.198	17.831	1.00	0.00
ATOM	411	O5'	DG	14	-7.921	6.109	17.582	1.00	0.00
ATOM	412	C5'	DG	14	-8.911	5.114	17.370	1.00	0.00
ATOM	413	H5'	DG	14	-9.858	5.621	17.185	1.00	0.00
ATOM	414	H5''	DG	14	-8.992	4.487	18.258	1.00	0.00
ATOM	415	C4'	DG	14	-8.587	4.218	16.193	1.00	0.00
ATOM	416	H4'	DG	14	-8.856	4.730	15.269	1.00	0.00
ATOM	417	O4'	DG	14	-7.169	3.969	16.069	1.00	0.00
ATOM	418	C1'	DG	14	-7.060	2.775	15.300	1.00	0.00
ATOM	419	H1'	DG	14	-7.274	2.981	14.251	1.00	0.00
ATOM	420	N9	DG	14	-5.644	2.416	15.300	1.00	0.00
ATOM	421	C8	DG	14	-4.578	3.286	15.300	1.00	0.00
ATOM	422	H8	DG	14	-4.708	4.358	15.298	1.00	0.00
ATOM	423	N7	DG	14	-3.406	2.634	15.300	1.00	0.00
ATOM	424	C5	DG	14	-3.772	1.337	15.300	1.00	0.00
ATOM	425	C6	DG	14	-2.984	0.176	15.300	1.00	0.00
ATOM	426	O6	DG	14	-1.754	0.087	15.300	1.00	0.00
ATOM	427	N1	DG	14	-3.753	-0.962	15.300	1.00	0.00
ATOM	428	H1	DG	14	-3.244	-1.823	15.300	1.00	0.00
ATOM	429	C2	DG	14	-5.112	-1.038	15.300	1.00	0.00
ATOM	430	N2	DG	14	-5.674	-2.250	15.300	1.00	0.00
ATOM	431	H21	DG	14	-5.198	-3.141	15.288	1.00	0.00
ATOM	432	H22	DG	14	-6.684	-2.279	15.291	1.00	0.00
ATOM	433	N3	DG	14	-5.867	0.058	15.300	1.00	0.00
ATOM	434	C4	DG	14	-5.138	1.180	15.300	1.00	0.00
ATOM	435	C3'	DG	14	-9.206	2.828	16.307	1.00	0.00
ATOM	436	H3'	DG	14	-9.623	2.636	17.296	1.00	0.00
ATOM	437	C2'	DG	14	-8.033	1.885	16.058	1.00	0.00
ATOM	438	H2'	DG	14	-7.983	1.147	16.859	1.00	0.00
ATOM	439	H2''	DG	14	-8.171	1.377	15.104	1.00	0.00
ATOM	440	O3'	DG	14	-10.261	2.685	15.359	1.00	0.00
ATOM	441	P	DC	15	-11.000	1.283	15.169	1.00	0.00
ATOM	442	OP1	DC	15	-11.114	0.623	16.489	1.00	0.00
ATOM	443	OP2	DC	15	-12.263	1.496	14.431	1.00	0.00
ATOM	444	O5'	DC	15	-9.989	0.527	14.182	1.00	0.00
ATOM	445	C5'	DC	15	-10.238	-0.854	13.970	1.00	0.00
ATOM	446	H5'	DC	15	-11.305	-0.976	13.786	1.00	0.00
ATOM	447	H5''	DC	15	-9.948	-1.416	14.857	1.00	0.00
ATOM	448	C4'	DC	15	-9.463	-1.407	12.793	1.00	0.00
ATOM	449	H4'	DC	15	-9.975	-1.139	11.869	1.00	0.00
ATOM	450	O4'	DC	15	-8.154	-0.807	12.669	1.00	0.00
ATOM	451	C1'	DC	15	-7.387	-1.727	11.900	1.00	0.00
ATOM	452	H1'	DC	15	-7.680	-1.677	10.851	1.00	0.00
ATOM	453	N1	DC	15	-6.017	-1.218	11.900	1.00	0.00
ATOM	454	C6	DC	15	-5.852	0.139	11.900	1.00	0.00
ATOM	455	H6	DC	15	-6.710	0.794	11.900	1.00	0.00
ATOM	456	C5	DC	15	-4.591	0.691	11.900	1.00	0.00
ATOM	457	H5	DC	15	-4.456	1.773	11.900	1.00	0.00
ATOM	458	C4	DC	15	-3.539	-0.198	11.900	1.00	0.00
ATOM	459	N4	DC	15	-2.287	0.236	11.900	1.00	0.00
ATOM	460	H41	DC	15	-1.551	-0.455	11.900	1.00	0.00
ATOM	461	H42	DC	15	-2.092	1.227	11.900	1.00	0.00
ATOM	462	N3	DC	15	-3.730	-1.544	11.900	1.00	0.00

ATOM	463	C2	DC	15	-4.979	-2.074	11.900	1.00	0.00
ATOM	464	O2	DC	15	-5.162	-3.286	11.900	1.00	0.00
ATOM	465	C3'	DC	15	-9.182	-2.903	12.907	1.00	0.00
ATOM	466	H3'	DC	15	-9.416	-3.298	13.896	1.00	0.00
ATOM	467	C2'	DC	15	-7.681	-3.012	12.658	1.00	0.00
ATOM	468	H2'	DC	15	-7.220	-3.591	13.459	1.00	0.00
ATOM	469	H2''	DC	15	-7.506	-3.509	11.704	1.00	0.00
ATOM	470	O3'	DC	15	-9.970	-3.620	11.959	1.00	0.00
ATOM	471	P	DG	16	-9.782	-5.194	11.769	1.00	0.00
ATOM	472	OP1	DG	16	-9.500	-5.801	13.089	1.00	0.00
ATOM	473	OP2	DG	16	-10.942	-5.736	11.031	1.00	0.00
ATOM	474	O5'	DG	16	-8.520	-5.242	10.782	1.00	0.00
ATOM	475	C5'	DG	16	-7.940	-6.520	10.570	1.00	0.00
ATOM	476	H5'	DG	16	-8.749	-7.227	10.385	1.00	0.00
ATOM	477	H5''	DG	16	-7.382	-6.818	11.457	1.00	0.00
ATOM	478	C4'	DG	16	-6.988	-6.534	9.393	1.00	0.00
ATOM	479	H4'	DG	16	-7.562	-6.604	8.469	1.00	0.00
ATOM	480	O4'	DG	16	-6.252	-5.296	9.269	1.00	0.00
ATOM	481	C1'	DG	16	-5.097	-5.618	8.500	1.00	0.00
ATOM	482	H1'	DG	16	-5.365	-5.745	7.451	1.00	0.00
ATOM	483	N9	DG	16	-4.259	-4.421	8.500	1.00	0.00
ATOM	484	C8	DG	16	-4.695	-3.116	8.500	1.00	0.00
ATOM	485	H8	DG	16	-5.744	-2.858	8.498	1.00	0.00
ATOM	486	N7	DG	16	-3.671	-2.251	8.500	1.00	0.00
ATOM	487	C5	DG	16	-2.587	-3.053	8.500	1.00	0.00
ATOM	488	C6	DG	16	-1.222	-2.728	8.500	1.00	0.00
ATOM	489	O6	DG	16	-0.703	-1.609	8.500	1.00	0.00
ATOM	490	N1	DG	16	-0.431	-3.850	8.500	1.00	0.00
ATOM	491	H1	DG	16	0.554	-3.679	8.500	1.00	0.00
ATOM	492	C2	DG	16	-0.841	-5.148	8.500	1.00	0.00
ATOM	493	N2	DG	16	0.093	-6.103	8.500	1.00	0.00
ATOM	494	H21	DG	16	1.095	-5.974	8.488	1.00	0.00
ATOM	495	H22	DG	16	-0.238	-7.057	8.491	1.00	0.00
ATOM	496	N3	DG	16	-2.133	-5.465	8.500	1.00	0.00
ATOM	497	C4	DG	16	-2.925	-4.386	8.500	1.00	0.00
ATOM	498	C3'	DG	16	-5.907	-7.606	9.507	1.00	0.00
ATOM	499	H3'	DG	16	-5.875	-8.064	10.495	1.00	0.00
ATOM	500	C2'	DG	16	-4.610	-6.843	9.258	1.00	0.00
ATOM	501	H2'	DG	16	-3.902	-7.057	10.059	1.00	0.00
ATOM	502	H2''	DG	16	-4.183	-7.153	8.304	1.00	0.00
ATOM	503	O3'	DG	16	-6.148	-8.643	8.559	1.00	0.00
ATOM	504	P	DA	17	-5.099	-9.831	8.369	1.00	0.00
ATOM	505	OP1	DA	17	-4.522	-10.171	9.689	1.00	0.00
ATOM	506	OP2	DA	17	-5.746	-10.937	7.631	1.00	0.00
ATOM	507	O5'	DA	17	-4.033	-9.154	7.382	1.00	0.00
ATOM	508	C5'	DA	17	-2.831	-9.876	7.170	1.00	0.00
ATOM	509	H5'	DA	17	-3.095	-10.917	6.985	1.00	0.00
ATOM	510	H5''	DA	17	-2.202	-9.804	8.057	1.00	0.00
ATOM	511	C4'	DA	17	-2.039	-9.347	5.993	1.00	0.00
ATOM	512	H4'	DA	17	-2.472	-9.731	5.069	1.00	0.00
ATOM	513	O4'	DA	17	-2.136	-7.911	5.869	1.00	0.00
ATOM	514	C1'	DA	17	-1.003	-7.519	5.100	1.00	0.00
ATOM	515	H1'	DA	17	-1.084	-7.764	4.041	1.00	0.00
ATOM	516	N9	DA	17	-0.993	-6.058	5.100	1.00	0.00
ATOM	517	C8	DA	17	-2.014	-5.149	5.100	1.00	0.00
ATOM	518	H8	DA	17	-3.049	-5.454	5.149	1.00	0.00
ATOM	519	N7	DA	17	-1.563	-3.883	5.100	1.00	0.00
ATOM	520	C5	DA	17	-0.226	-4.006	5.100	1.00	0.00
ATOM	521	C6	DA	17	0.802	-3.053	5.100	1.00	0.00
ATOM	522	N6	DA	17	0.581	-1.736	5.100	1.00	0.00

ATOM	523	H61	DA	17	1.360	-1.093	5.100	1.00	0.00
ATOM	524	H62	DA	17	-0.365	-1.383	5.100	1.00	0.00
ATOM	525	N1	DA	17	2.050	-3.524	5.100	1.00	0.00
ATOM	526	C2	DA	17	2.304	-4.832	5.100	1.00	0.00
ATOM	527	H2	DA	17	3.313	-5.216	5.100	1.00	0.00
ATOM	528	N3	DA	17	1.418	-5.827	5.100	1.00	0.00
ATOM	529	C4	DA	17	0.163	-5.329	5.100	1.00	0.00
ATOM	530	C3'	DA	17	-0.540	-9.615	6.107	1.00	0.00
ATOM	531	H3'	DA	17	-0.253	-9.974	7.096	1.00	0.00
ATOM	532	C2'	DA	17	0.094	-8.250	5.858	1.00	0.00
ATOM	533	H2'	DA	17	0.798	-8.024	6.659	1.00	0.00
ATOM	534	H2''	DA	17	0.621	-8.262	4.904	1.00	0.00
ATOM	535	O3'	DA	17	-0.149	-10.606	5.159	1.00	0.00
ATOM	536	P	DA	18	1.389	-10.988	4.969	1.00	0.00
ATOM	537	OP1	DA	18	2.057	-10.939	6.289	1.00	0.00
ATOM	538	OP2	DA	18	1.485	-12.264	4.231	1.00	0.00
ATOM	539	O5'	DA	18	1.881	-9.824	3.982	1.00	0.00
ATOM	540	C5'	DA	18	3.282	-9.736	3.770	1.00	0.00
ATOM	541	H5'	DA	18	3.655	-10.743	3.584	1.00	0.00
ATOM	542	H5''	DA	18	3.759	-9.321	4.658	1.00	0.00
ATOM	543	C4'	DA	18	3.633	-8.850	2.593	1.00	0.00
ATOM	544	H4'	DA	18	3.496	-9.412	1.669	1.00	0.00
ATOM	545	O4'	DA	18	2.736	-7.724	2.469	1.00	0.00
ATOM	546	C1'	DA	18	3.447	-6.758	1.700	1.00	0.00
ATOM	547	H1'	DA	18	3.520	-7.005	0.641	1.00	0.00
ATOM	548	N9	DA	18	2.624	-5.550	1.700	1.00	0.00
ATOM	549	C8	DA	18	1.268	-5.382	1.700	1.00	0.00
ATOM	550	H8	DA	18	0.590	-6.221	1.749	1.00	0.00
ATOM	551	N7	DA	18	0.920	-4.084	1.700	1.00	0.00
ATOM	552	C5	DA	18	2.090	-3.425	1.700	1.00	0.00
ATOM	553	C6	DA	18	2.395	-2.057	1.700	1.00	0.00
ATOM	554	N6	DA	18	1.465	-1.099	1.700	1.00	0.00
ATOM	555	H61	DA	18	1.741	-0.127	1.700	1.00	0.00
ATOM	556	H62	DA	18	0.486	-1.346	1.700	1.00	0.00
ATOM	557	N1	DA	18	3.689	-1.736	1.700	1.00	0.00
ATOM	558	C2	DA	18	4.641	-2.667	1.700	1.00	0.00
ATOM	559	H2	DA	18	5.690	-2.410	1.700	1.00	0.00
ATOM	560	N3	DA	18	4.477	-3.990	1.700	1.00	0.00
ATOM	561	C4	DA	18	3.161	-4.293	1.700	1.00	0.00
ATOM	562	C3'	DA	18	5.018	-8.219	2.707	1.00	0.00
ATOM	563	H3'	DA	18	5.457	-8.352	3.696	1.00	0.00
ATOM	564	C2'	DA	18	4.765	-6.736	2.458	1.00	0.00
ATOM	565	H2'	DA	18	5.217	-6.150	3.259	1.00	0.00
ATOM	566	H2''	DA	18	5.206	-6.447	1.504	1.00	0.00
ATOM	567	O3'	DA	18	5.903	-8.813	1.759	1.00	0.00
ATOM	568	P	DT	19	7.386	-8.253	1.569	1.00	0.00
ATOM	569	OP1	DT	19	7.908	-7.833	2.889	1.00	0.00
ATOM	570	OP2	DT	19	8.190	-9.249	0.831	1.00	0.00
ATOM	571	O5'	DT	19	7.130	-7.016	0.582	1.00	0.00
ATOM	572	C5'	DT	19	8.232	-6.147	0.370	1.00	0.00
ATOM	573	H5'	DT	19	9.113	-6.762	0.186	1.00	0.00
ATOM	574	H5''	DT	19	8.387	-5.533	1.257	1.00	0.00
ATOM	575	C4'	DT	19	8.018	-5.220	-0.807	1.00	0.00
ATOM	576	H4'	DT	19	8.223	-5.760	-1.731	1.00	0.00
ATOM	577	O4'	DT	19	6.640	-4.801	-0.931	1.00	0.00
ATOM	578	C1'	DT	19	6.676	-3.603	-1.700	1.00	0.00
ATOM	579	H1'	DT	19	6.870	-3.782	-2.758	1.00	0.00
ATOM	580	N1	DT	19	5.313	-3.076	-1.700	1.00	0.00
ATOM	581	C6	DT	19	4.392	-4.064	-1.700	1.00	0.00
ATOM	582	H6	DT	19	4.706	-5.096	-1.656	1.00	0.00

ATOM	583	C5	DT	19	3.054	-3.784	-1.700	1.00	0.00
ATOM	584	C7	DT	19	2.113	-4.965	-1.700	1.00	0.00
ATOM	585	H71	DT	19	2.288	-5.570	-0.810	1.00	0.00
ATOM	586	H72	DT	19	1.083	-4.609	-1.700	1.00	0.00
ATOM	587	H73	DT	19	2.288	-5.570	-2.590	1.00	0.00
ATOM	588	C4	DT	19	2.638	-2.459	-1.700	1.00	0.00
ATOM	589	O4	DT	19	1.467	-2.104	-1.700	1.00	0.00
ATOM	590	N3	DT	19	3.614	-1.531	-1.700	1.00	0.00
ATOM	591	H3	DT	19	3.316	-0.483	-1.700	1.00	0.00
ATOM	592	C2	DT	19	4.927	-1.784	-1.700	1.00	0.00
ATOM	593	O2	DT	19	5.747	-0.872	-1.700	1.00	0.00
ATOM	594	C3'	DT	19	8.799	-3.913	-0.693	1.00	0.00
ATOM	595	H3'	DT	19	9.236	-3.773	0.296	1.00	0.00
ATOM	596	C2'	DT	19	7.748	-2.836	-0.942	1.00	0.00
ATOM	597	H2'	DT	19	7.787	-2.097	-0.141	1.00	0.00
ATOM	598	H2''	DT	19	7.946	-2.348	-1.896	1.00	0.00
ATOM	599	O3'	DT	19	9.865	-3.899	-1.641	1.00	0.00
ATOM	600	P	DT	20	10.767	-2.596	-1.831	1.00	0.00
ATOM	601	OP1	DT	20	10.958	-1.954	-0.511	1.00	0.00
ATOM	602	OP2	DT	20	11.995	-2.959	-2.569	1.00	0.00
ATOM	603	O5'	DT	20	9.853	-1.723	-2.818	1.00	0.00
ATOM	604	C5'	DT	20	10.267	-0.382	-3.030	1.00	0.00
ATOM	605	H5'	DT	20	11.341	-0.390	-3.216	1.00	0.00
ATOM	606	H5''	DT	20	10.047	0.211	-2.142	1.00	0.00
ATOM	607	C4'	DT	20	9.563	0.260	-4.207	1.00	0.00
ATOM	608	H4'	DT	20	10.039	-0.068	-5.131	1.00	0.00
ATOM	609	O4'	DT	20	8.192	-0.179	-4.331	1.00	0.00
ATOM	610	C1'	DT	20	7.541	0.827	-5.100	1.00	0.00
ATOM	611	H1'	DT	20	7.802	0.790	-6.158	1.00	0.00
ATOM	612	N1	DT	20	6.120	0.487	-5.100	1.00	0.00
ATOM	613	C6	DT	20	5.923	-0.849	-5.100	1.00	0.00
ATOM	614	H6	DT	20	6.768	-1.520	-5.056	1.00	0.00
ATOM	615	C5	DT	20	4.663	-1.379	-5.100	1.00	0.00
ATOM	616	C7	DT	20	4.560	-2.885	-5.100	1.00	0.00
ATOM	617	H71	DT	20	5.048	-3.283	-4.210	1.00	0.00
ATOM	618	H72	DT	20	3.510	-3.178	-5.100	1.00	0.00
ATOM	619	H73	DT	20	5.048	-3.283	-5.990	1.00	0.00
ATOM	620	C4	DT	20	3.569	-0.525	-5.100	1.00	0.00
ATOM	621	O4	DT	20	2.403	-0.898	-5.100	1.00	0.00
ATOM	622	N3	DT	20	3.844	0.793	-5.100	1.00	0.00
ATOM	623	H3	DT	20	3.003	1.486	-5.100	1.00	0.00
ATOM	624	C2	DT	20	5.068	1.331	-5.100	1.00	0.00
ATOM	625	O2	DT	20	5.225	2.548	-5.100	1.00	0.00
ATOM	626	C3'	DT	20	9.464	1.779	-4.093	1.00	0.00
ATOM	627	H3'	DT	20	9.744	2.143	-3.104	1.00	0.00
ATOM	628	C2'	DT	20	7.988	2.068	-4.342	1.00	0.00
ATOM	629	H2'	DT	20	7.601	2.698	-3.542	1.00	0.00
ATOM	630	H2''	DT	20	7.874	2.582	-5.296	1.00	0.00
ATOM	631	O3'	DT	20	10.333	2.396	-5.041	1.00	0.00
ATOM	632	P	DC	21	10.335	3.981	-5.231	1.00	0.00
ATOM	633	OP1	DC	21	10.128	4.618	-3.911	1.00	0.00
ATOM	634	OP2	DC	21	11.552	4.380	-5.969	1.00	0.00
ATOM	635	O5'	DC	21	9.088	4.180	-6.218	1.00	0.00
ATOM	636	C5'	DC	21	8.666	5.518	-6.430	1.00	0.00
ATOM	637	H5'	DC	21	9.554	6.123	-6.614	1.00	0.00
ATOM	638	H5''	DC	21	8.147	5.881	-5.543	1.00	0.00
ATOM	639	C4'	DC	21	7.723	5.647	-7.607	1.00	0.00
ATOM	640	H4'	DC	21	8.301	5.647	-8.531	1.00	0.00
ATOM	641	O4'	DC	21	6.843	4.507	-7.731	1.00	0.00
ATOM	642	C1'	DC	21	5.735	4.965	-8.500	1.00	0.00

ATOM	643	H1'	DC	21	6.017	5.058	-9.549	1.00	0.00
ATOM	644	N1	DC	21	4.760	3.877	-8.500	1.00	0.00
ATOM	645	C6	DC	21	5.245	2.599	-8.500	1.00	0.00
ATOM	646	H6	DC	21	6.310	2.418	-8.500	1.00	0.00
ATOM	647	C5	DC	21	4.386	1.524	-8.500	1.00	0.00
ATOM	648	H5	DC	21	4.770	0.504	-8.500	1.00	0.00
ATOM	649	C4	DC	21	3.041	1.822	-8.500	1.00	0.00
ATOM	650	N4	DC	21	2.134	0.855	-8.500	1.00	0.00
ATOM	651	H41	DC	21	1.161	1.124	-8.500	1.00	0.00
ATOM	652	H42	DC	21	2.422	-0.113	-8.500	1.00	0.00
ATOM	653	N3	DC	21	2.584	3.102	-8.500	1.00	0.00
ATOM	654	C2	DC	21	3.443	4.152	-8.500	1.00	0.00
ATOM	655	O2	DC	21	3.041	5.310	-8.500	1.00	0.00
ATOM	656	C3'	DC	21	6.778	6.841	-7.493	1.00	0.00
ATOM	657	H3'	DC	21	6.801	7.300	-6.504	1.00	0.00
ATOM	658	C2'	DC	21	5.399	6.240	-7.742	1.00	0.00
ATOM	659	H2'	DC	21	4.722	6.538	-6.941	1.00	0.00
ATOM	660	H2''	DC	21	5.013	6.599	-8.696	1.00	0.00
ATOM	661	O3'	DC	21	7.142	7.842	-8.441	1.00	0.00
ATOM	662	P	DG	22	6.243	9.148	-8.631	1.00	0.00
ATOM	663	OP1	DG	22	5.711	9.554	-7.311	1.00	0.00
ATOM	664	OP2	DG	22	7.018	10.167	-9.369	1.00	0.00
ATOM	665	O5'	DG	22	5.104	8.603	-9.618	1.00	0.00
ATOM	666	C5'	DG	22	3.997	9.465	-9.830	1.00	0.00
ATOM	667	H5'	DG	22	4.384	10.467	-10.015	1.00	0.00
ATOM	668	H5''	DG	22	3.364	9.470	-8.942	1.00	0.00
ATOM	669	C4'	DG	22	3.147	9.035	-11.007	1.00	0.00
ATOM	670	H4'	DG	22	3.622	9.364	-11.931	1.00	0.00
ATOM	671	O4'	DG	22	3.071	7.597	-11.131	1.00	0.00
ATOM	672	C1'	DG	22	1.899	7.344	-11.900	1.00	0.00
ATOM	673	H1'	DG	22	2.077	7.581	-12.949	1.00	0.00
ATOM	674	N9	DG	22	1.714	5.895	-11.900	1.00	0.00
ATOM	675	C8	DG	22	2.707	4.942	-11.900	1.00	0.00
ATOM	676	H8	DG	22	3.755	5.201	-11.902	1.00	0.00
ATOM	677	N7	DG	22	2.202	3.700	-11.900	1.00	0.00
ATOM	678	C5	DG	22	0.870	3.906	-11.900	1.00	0.00
ATOM	679	C6	DG	22	-0.187	2.983	-11.900	1.00	0.00
ATOM	680	O6	DG	22	-0.126	1.751	-11.900	1.00	0.00
ATOM	681	N1	DG	22	-1.410	3.608	-11.900	1.00	0.00
ATOM	682	H1	DG	22	-2.203	2.998	-11.900	1.00	0.00
ATOM	683	C2	DG	22	-1.650	4.948	-11.900	1.00	0.00
ATOM	684	N2	DG	22	-2.921	5.360	-11.900	1.00	0.00
ATOM	685	H21	DG	22	-3.748	4.780	-11.912	1.00	0.00
ATOM	686	H22	DG	22	-3.072	6.359	-11.909	1.00	0.00
ATOM	687	N3	DG	22	-0.654	5.830	-11.900	1.00	0.00
ATOM	688	C4	DG	22	0.549	5.243	-11.900	1.00	0.00
ATOM	689	C3'	DG	22	1.691	9.480	-10.893	1.00	0.00
ATOM	690	H3'	DG	22	1.450	9.871	-9.904	1.00	0.00
ATOM	691	C2'	DG	22	0.898	8.202	-11.142	1.00	0.00
ATOM	692	H2'	DG	22	0.172	8.063	-10.341	1.00	0.00
ATOM	693	H2''	DG	22	0.376	8.278	-12.096	1.00	0.00
ATOM	694	O3'	DG	22	1.422	10.511	-11.841	1.00	0.00
ATOM	695	P	DC	23	-0.059	11.075	-12.031	1.00	0.00
ATOM	696	OP1	DC	23	-0.728	11.107	-10.711	1.00	0.00
ATOM	697	OP2	DC	23	-0.001	12.354	-12.769	1.00	0.00
ATOM	698	O5'	DC	23	-0.687	9.979	-13.018	1.00	0.00
ATOM	699	C5'	DC	23	-2.088	10.060	-13.230	1.00	0.00
ATOM	700	H5'	DC	23	-2.338	11.105	-13.415	1.00	0.00
ATOM	701	H5''	DC	23	-2.611	9.705	-12.342	1.00	0.00
ATOM	702	C4'	DC	23	-2.543	9.223	-14.407	1.00	0.00

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ATOM	1	HO5'	DC5	1	1.879	-9.095	-21.303	1.00	0.00
ATOM	2	O5'	DC5	1	1.418	-8.563	-20.650	1.00	0.00
ATOM	3	C5'	DC5	1	1.553	-8.896	-19.260	1.00	0.00
ATOM	4	H5'	DC5	1	2.610	-8.780	-19.020	1.00	0.00
ATOM	5	H5''	DC5	1	1.239	-9.915	-19.033	1.00	0.00
ATOM	6	C4'	DC5	1	0.750	-7.935	-18.430	1.00	0.00
ATOM	7	H4'	DC5	1	0.622	-8.439	-17.472	1.00	0.00
ATOM	8	O4'	DC5	1	1.422	-6.691	-18.100	1.00	0.00
ATOM	9	C1'	DC5	1	0.509	-5.597	-18.250	1.00	0.00
ATOM	10	H1'	DC5	1	-0.103	-5.364	-17.379	1.00	0.00
ATOM	11	N1	DC5	1	1.306	-4.380	-18.450	1.00	0.00
ATOM	12	C6	DC5	1	2.678	-4.387	-18.420	1.00	0.00
ATOM	13	H6	DC5	1	3.184	-5.339	-18.353	1.00	0.00
ATOM	14	C5	DC5	1	3.407	-3.267	-18.470	1.00	0.00
ATOM	15	H5	DC5	1	4.495	-3.331	-18.456	1.00	0.00
ATOM	16	C4	DC5	1	2.690	-2.013	-18.550	1.00	0.00
ATOM	17	N4	DC5	1	3.395	-0.891	-18.600	1.00	0.00
ATOM	18	H41	DC5	1	2.887	-0.020	-18.656	1.00	0.00
ATOM	19	H42	DC5	1	4.404	-0.923	-18.582	1.00	0.00
ATOM	20	N3	DC5	1	1.373	-2.005	-18.580	1.00	0.00
ATOM	21	C2	DC5	1	0.649	-3.134	-18.530	1.00	0.00
ATOM	22	O2	DC5	1	-0.590	-3.125	-18.560	1.00	0.00
ATOM	23	C3'	DC5	1	-0.564	-7.499	-19.050	1.00	0.00
ATOM	24	H3'	DC5	1	-0.908	-8.059	-19.920	1.00	0.00
ATOM	25	C2'	DC5	1	-0.306	-6.042	-19.450	1.00	0.00
ATOM	26	H2'	DC5	1	-0.199	-5.975	-20.533	1.00	0.00
ATOM	27	H2''	DC5	1	-1.144	-5.423	-19.130	1.00	0.00
ATOM	28	O3'	DC5	1	-1.546	-7.533	-18.040	1.00	0.00
ATOM	29	P	DG	2	-2.825	-8.492	-18.200	1.00	0.00
ATOM	30	OP1	DG	2	-3.335	-8.553	-19.560	1.00	0.00
ATOM	31	OP2	DG	2	-2.583	-9.847	-17.710	1.00	0.00
ATOM	32	O5'	DG	2	-3.887	-7.761	-17.250	1.00	0.00
ATOM	33	C5'	DG	2	-3.973	-8.109	-15.860	1.00	0.00
ATOM	34	H5'	DG	2	-3.050	-8.637	-15.621	1.00	0.00
ATOM	35	H5''	DG	2	-4.863	-8.715	-15.691	1.00	0.00
ATOM	36	C4'	DG	2	-4.057	-6.860	-15.030	1.00	0.00
ATOM	37	H4'	DG	2	-4.456	-7.193	-14.072	1.00	0.00
ATOM	38	O4'	DG	2	-2.782	-6.249	-14.700	1.00	0.00
ATOM	39	C1'	DG	2	-2.878	-4.827	-14.850	1.00	0.00
ATOM	40	H1'	DG	2	-3.246	-4.259	-13.995	1.00	0.00
ATOM	41	N9	DG	2	-1.518	-4.311	-15.050	1.00	0.00
ATOM	42	C8	DG	2	-0.362	-5.057	-15.020	1.00	0.00
ATOM	43	H8	DG	2	-0.439	-6.132	-14.950	1.00	0.00
ATOM	44	N7	DG	2	0.754	-4.365	-15.080	1.00	0.00
ATOM	45	C5	DG	2	0.288	-3.046	-15.150	1.00	0.00
ATOM	46	C6	DG	2	1.034	-1.805	-15.240	1.00	0.00
ATOM	47	O6	DG	2	2.249	-1.701	-15.260	1.00	0.00
ATOM	48	N1	DG	2	0.180	-0.707	-15.290	1.00	0.00
ATOM	49	H1	DG	2	0.615	0.192	-15.345	1.00	0.00
ATOM	50	C2	DG	2	-1.197	-0.745	-15.270	1.00	0.00
ATOM	51	N2	DG	2	-1.856	0.406	-15.330	1.00	0.00
ATOM	52	H21	DG	2	-1.457	1.333	-15.379	1.00	0.00
ATOM	53	H22	DG	2	-2.864	0.350	-15.305	1.00	0.00
ATOM	54	N3	DG	2	-1.885	-1.919	-15.190	1.00	0.00
ATOM	55	C4	DG	2	-1.184	-3.069	-15.130	1.00	0.00
ATOM	56	C3'	DG	2	-4.864	-5.735	-15.650	1.00	0.00
ATOM	57	H3'	DG	2	-5.471	-5.986	-16.520	1.00	0.00

ATOM	58	C2'	DG	2	-3.799	-4.708	-16.050	1.00	0.00
ATOM	59	H2'	DG	2	-3.673	-4.717	-17.133	1.00	0.00
ATOM	60	H2''	DG	2	-4.113	-3.715	-15.729	1.00	0.00
ATOM	61	O3'	DG	2	-5.679	-5.185	-14.640	1.00	0.00
ATOM	62	P	DC	3	-7.277	-5.210	-14.800	1.00	0.00
ATOM	63	OP1	DC	3	-7.725	-4.959	-16.160	1.00	0.00
ATOM	64	OP2	DC	3	-7.878	-6.448	-14.310	1.00	0.00
ATOM	65	O5'	DC	3	-7.706	-3.995	-13.850	1.00	0.00
ATOM	66	C5'	DC	3	-7.980	-4.225	-12.460	1.00	0.00
ATOM	67	H5'	DC	3	-7.544	-5.194	-12.220	1.00	0.00
ATOM	68	H5''	DC	3	-9.056	-4.193	-12.291	1.00	0.00
ATOM	69	C4'	DC	3	-7.315	-3.165	-11.630	1.00	0.00
ATOM	70	H4'	DC	3	-7.834	-3.199	-10.672	1.00	0.00
ATOM	71	O4'	DC	3	-5.924	-3.420	-11.300	1.00	0.00
ATOM	72	C1'	DC	3	-5.166	-2.214	-11.450	1.00	0.00
ATOM	73	H1'	DC	3	-5.134	-1.560	-10.579	1.00	0.00
ATOM	74	N1	DC	3	-3.762	-2.595	-11.650	1.00	0.00
ATOM	75	C6	DC	3	-3.345	-3.903	-11.620	1.00	0.00
ATOM	76	H6	DC	3	-4.093	-4.679	-11.553	1.00	0.00
ATOM	77	C5	DC	3	-2.054	-4.250	-11.670	1.00	0.00
ATOM	78	H5	DC	3	-1.779	-5.305	-11.656	1.00	0.00
ATOM	79	C4	DC	3	-1.083	-3.181	-11.750	1.00	0.00
ATOM	80	N4	DC	3	0.202	-3.504	-11.800	1.00	0.00
ATOM	81	H41	DC	3	0.873	-2.752	-11.856	1.00	0.00
ATOM	82	H42	DC	3	0.484	-4.474	-11.782	1.00	0.00
ATOM	83	N3	DC	3	-1.483	-1.925	-11.780	1.00	0.00
ATOM	84	C2	DC	3	-2.780	-1.585	-11.730	1.00	0.00
ATOM	85	O2	DC	3	-3.154	-0.404	-11.760	1.00	0.00
ATOM	86	C3'	DC	3	-7.306	-1.781	-12.250	1.00	0.00
ATOM	87	H3'	DC	3	-7.945	-1.627	-13.120	1.00	0.00
ATOM	88	C2'	DC	3	-5.841	-1.576	-12.650	1.00	0.00
ATOM	89	H2'	DC	3	-5.745	-1.657	-13.733	1.00	0.00
ATOM	90	H2''	DC	3	-5.511	-0.588	-12.329	1.00	0.00
ATOM	91	O3'	DC	3	-7.642	-0.857	-11.240	1.00	0.00
ATOM	92	P	DG	4	-8.950	0.062	-11.400	1.00	0.00
ATOM	93	OP1	DG	4	-9.165	0.528	-12.760	1.00	0.00
ATOM	94	OP2	DG	4	-10.163	-0.586	-10.910	1.00	0.00
ATOM	95	O5'	DG	4	-8.582	1.298	-10.450	1.00	0.00
ATOM	96	C5'	DG	4	-8.940	1.272	-9.060	1.00	0.00
ATOM	97	H5'	DG	4	-9.156	0.231	-8.821	1.00	0.00
ATOM	98	H5''	DG	4	-9.792	1.930	-8.891	1.00	0.00
ATOM	99	C4'	DG	4	-7.778	1.739	-8.230	1.00	0.00
ATOM	100	H4'	DG	4	-8.218	2.016	-7.272	1.00	0.00
ATOM	101	O4'	DG	4	-6.803	0.715	-7.900	1.00	0.00
ATOM	102	C1'	DG	4	-5.480	1.245	-8.050	1.00	0.00
ATOM	103	H1'	DG	4	-5.054	1.771	-7.195	1.00	0.00
ATOM	104	N9	DG	4	-4.569	0.112	-8.250	1.00	0.00
ATOM	105	C8	DG	4	-4.922	-1.218	-8.220	1.00	0.00
ATOM	106	H8	DG	4	-5.968	-1.476	-8.150	1.00	0.00
ATOM	107	N7	DG	4	-3.919	-2.066	-8.280	1.00	0.00
ATOM	108	C5	DG	4	-2.808	-1.215	-8.350	1.00	0.00
ATOM	109	C6	DG	4	-1.397	-1.541	-8.440	1.00	0.00
ATOM	110	O6	DG	4	-0.923	-2.665	-8.460	1.00	0.00
ATOM	111	N1	DG	4	-0.617	-0.390	-8.490	1.00	0.00
ATOM	112	H1	DG	4	0.372	-0.526	-8.545	1.00	0.00
ATOM	113	C2	DG	4	-1.079	0.908	-8.470	1.00	0.00
ATOM	114	N2	DG	4	-0.187	1.891	-8.530	1.00	0.00
ATOM	115	H21	DG	4	0.818	1.798	-8.579	1.00	0.00
ATOM	116	H22	DG	4	-0.551	2.833	-8.505	1.00	0.00
ATOM	117	N3	DG	4	-2.407	1.200	-8.390	1.00	0.00

ATOM	118	C4	DG	4	-3.285	0.178	-8.330	1.00	0.00
ATOM	119	C3'	DG	4	-6.958	2.854	-8.850	1.00	0.00
ATOM	120	H3'	DG	4	-7.384	3.354	-9.720	1.00	0.00
ATOM	121	C2'	DG	4	-5.652	2.158	-9.250	1.00	0.00
ATOM	122	H2'	DG	4	-5.622	2.035	-10.333	1.00	0.00
ATOM	123	H2''	DG	4	-4.804	2.764	-8.930	1.00	0.00
ATOM	124	O3'	DG	4	-6.686	3.798	-7.840	1.00	0.00
ATOM	125	P	DA	5	-7.204	5.311	-8.000	1.00	0.00
ATOM	126	OP1	DA	5	-7.104	5.814	-9.360	1.00	0.00
ATOM	127	OP2	DA	5	-8.567	5.500	-7.510	1.00	0.00
ATOM	128	O5'	DA	5	-6.180	6.095	-7.050	1.00	0.00
ATOM	129	C5'	DA	5	-6.485	6.284	-5.660	1.00	0.00
ATOM	130	H5'	DA	5	-7.272	5.569	-5.421	1.00	0.00
ATOM	131	H5''	DA	5	-6.787	7.318	-5.491	1.00	0.00
ATOM	132	C4'	DA	5	-5.271	5.978	-4.830	1.00	0.00
ATOM	133	H4'	DA	5	-5.464	6.461	-3.872	1.00	0.00
ATOM	134	O4'	DA	5	-5.083	4.577	-4.500	1.00	0.00
ATOM	135	C1'	DA	5	-3.702	4.229	-4.650	1.00	0.00
ATOM	136	H1'	DA	5	-2.982	4.402	-3.850	1.00	0.00
ATOM	137	N9	DA	5	-3.630	2.776	-4.850	1.00	0.00
ATOM	138	C8	DA	5	-4.698	1.879	-4.820	1.00	0.00
ATOM	139	H8	DA	5	-5.715	2.243	-4.802	1.00	0.00
ATOM	140	N7	DA	5	-4.327	0.608	-4.880	1.00	0.00
ATOM	141	C5	DA	5	-2.971	0.691	-4.950	1.00	0.00
ATOM	142	C6	DA	5	-1.962	-0.335	-5.030	1.00	0.00
ATOM	143	N6	DA	5	-2.276	-1.666	-5.060	1.00	0.00
ATOM	144	H61	DA	5	-1.542	-2.357	-5.116	1.00	0.00
ATOM	145	H62	DA	5	-3.242	-1.958	-5.026	1.00	0.00
ATOM	146	N1	DA	5	-0.698	0.052	-5.090	1.00	0.00
ATOM	147	C2	DA	5	-0.410	1.359	-5.050	1.00	0.00
ATOM	148	H2	DA	5	0.619	1.685	-5.074	1.00	0.00
ATOM	149	N3	DA	5	-1.248	2.417	-4.980	1.00	0.00
ATOM	150	C4	DA	5	-2.507	1.973	-4.930	1.00	0.00
ATOM	151	C3'	DA	5	-3.952	6.398	-5.450	1.00	0.00
ATOM	152	H3'	DA	5	-4.003	7.053	-6.320	1.00	0.00
ATOM	153	C2'	DA	5	-3.304	5.068	-5.850	1.00	0.00
ATOM	154	H2'	DA	5	-3.351	4.951	-6.933	1.00	0.00
ATOM	155	H2''	DA	5	-2.262	5.060	-5.529	1.00	0.00
ATOM	156	O3'	DA	5	-3.177	7.003	-4.440	1.00	0.00
ATOM	157	P	DA	6	-2.706	8.531	-4.600	1.00	0.00
ATOM	158	OP1	DA	6	-2.329	8.880	-5.960	1.00	0.00
ATOM	159	OP2	DA	6	-3.698	9.485	-4.110	1.00	0.00
ATOM	160	O5'	DA	6	-1.418	8.563	-3.650	1.00	0.00
ATOM	161	C5'	DA	6	-1.553	8.896	-2.260	1.00	0.00
ATOM	162	H5'	DA	6	-2.610	8.780	-2.020	1.00	0.00
ATOM	163	H5''	DA	6	-1.190	9.910	-2.092	1.00	0.00
ATOM	164	C4'	DA	6	-0.750	7.935	-1.430	1.00	0.00
ATOM	165	H4'	DA	6	-0.622	8.439	-0.472	1.00	0.00
ATOM	166	O4'	DA	6	-1.422	6.691	-1.100	1.00	0.00
ATOM	167	C1'	DA	6	-0.509	5.597	-1.250	1.00	0.00
ATOM	168	H1'	DA	6	0.175	5.314	-0.450	1.00	0.00
ATOM	169	N9	DA	6	-1.306	4.380	-1.450	1.00	0.00
ATOM	170	C8	DA	6	-2.696	4.282	-1.420	1.00	0.00
ATOM	171	H8	DA	6	-3.304	5.175	-1.402	1.00	0.00
ATOM	172	N7	DA	6	-3.144	3.036	-1.480	1.00	0.00
ATOM	173	C5	DA	6	-1.997	2.305	-1.550	1.00	0.00
ATOM	174	C6	DA	6	-1.784	0.882	-1.630	1.00	0.00
ATOM	175	N6	DA	6	-2.820	-0.010	-1.660	1.00	0.00
ATOM	176	H61	DA	6	-2.632	-1.001	-1.716	1.00	0.00
ATOM	177	H62	DA	6	-3.773	0.322	-1.626	1.00	0.00

ATOM	178	N1	DA	6	-0.534	0.453	-1.690	1.00	0.00
ATOM	179	C2	DA	6	0.467	1.341	-1.650	1.00	0.00
ATOM	180	H2	DA	6	1.491	1.000	-1.674	1.00	0.00
ATOM	181	N3	DA	6	0.411	2.689	-1.580	1.00	0.00
ATOM	182	C4	DA	6	-0.869	3.069	-1.530	1.00	0.00
ATOM	183	C3'	DA	6	0.564	7.499	-2.050	1.00	0.00
ATOM	184	H3'	DA	6	0.908	8.059	-2.920	1.00	0.00
ATOM	185	C2'	DA	6	0.306	6.042	-2.450	1.00	0.00
ATOM	186	H2'	DA	6	0.199	5.975	-3.533	1.00	0.00
ATOM	187	H2''	DA	6	1.144	5.423	-2.130	1.00	0.00
ATOM	188	O3'	DA	6	1.546	7.533	-1.040	1.00	0.00
ATOM	189	P	DT	7	2.825	8.492	-1.200	1.00	0.00
ATOM	190	OP1	DT	7	3.335	8.553	-2.560	1.00	0.00
ATOM	191	OP2	DT	7	2.583	9.847	-0.710	1.00	0.00
ATOM	192	O5'	DT	7	3.887	7.761	-0.250	1.00	0.00
ATOM	193	C5'	DT	7	3.973	8.109	1.140	1.00	0.00
ATOM	194	H5'	DT	7	3.050	8.637	1.379	1.00	0.00
ATOM	195	H5''	DT	7	4.863	8.715	1.309	1.00	0.00
ATOM	196	C4'	DT	7	4.057	6.860	1.970	1.00	0.00
ATOM	197	H4'	DT	7	4.456	7.193	2.928	1.00	0.00
ATOM	198	O4'	DT	7	2.782	6.249	2.300	1.00	0.00
ATOM	199	C1'	DT	7	2.878	4.827	2.150	1.00	0.00
ATOM	200	H1'	DT	7	3.240	4.243	2.996	1.00	0.00
ATOM	201	N1	DT	7	1.518	4.311	1.950	1.00	0.00
ATOM	202	C6	DT	7	0.392	5.095	1.980	1.00	0.00
ATOM	203	H6	DT	7	0.543	6.164	2.012	1.00	0.00
ATOM	204	C5	DT	7	-0.873	4.618	1.930	1.00	0.00
ATOM	205	C7	DT	7	-2.084	5.573	1.970	1.00	0.00
ATOM	206	H71	DT	7	-2.037	6.256	1.122	1.00	0.00
ATOM	207	H72	DT	7	-3.006	4.994	1.919	1.00	0.00
ATOM	208	H73	DT	7	-2.066	6.145	2.898	1.00	0.00
ATOM	209	C4	DT	7	-1.010	3.204	1.850	1.00	0.00
ATOM	210	O4	DT	7	-2.107	2.630	1.800	1.00	0.00
ATOM	211	N3	DT	7	0.172	2.454	1.820	1.00	0.00
ATOM	212	H3	DT	7	0.097	1.368	1.760	1.00	0.00
ATOM	213	C2	DT	7	1.435	2.983	1.870	1.00	0.00
ATOM	214	O2	DT	7	2.413	2.266	1.850	1.00	0.00
ATOM	215	C3'	DT	7	4.864	5.735	1.350	1.00	0.00
ATOM	216	H3'	DT	7	5.471	5.986	0.480	1.00	0.00
ATOM	217	C2'	DT	7	3.799	4.708	0.950	1.00	0.00
ATOM	218	H2'	DT	7	3.673	4.717	-0.133	1.00	0.00
ATOM	219	H2''	DT	7	4.113	3.715	1.271	1.00	0.00
ATOM	220	O3'	DT	7	5.679	5.185	2.360	1.00	0.00
ATOM	221	P	DT	8	7.277	5.210	2.200	1.00	0.00
ATOM	222	OP1	DT	8	7.725	4.959	0.840	1.00	0.00
ATOM	223	OP2	DT	8	7.878	6.448	2.690	1.00	0.00
ATOM	224	O5'	DT	8	7.706	3.995	3.150	1.00	0.00
ATOM	225	C5'	DT	8	7.980	4.225	4.540	1.00	0.00
ATOM	226	H5'	DT	8	7.544	5.194	4.780	1.00	0.00
ATOM	227	H5''	DT	8	9.056	4.193	4.709	1.00	0.00
ATOM	228	C4'	DT	8	7.315	3.165	5.370	1.00	0.00
ATOM	229	H4'	DT	8	7.834	3.199	6.328	1.00	0.00
ATOM	230	O4'	DT	8	5.924	3.420	5.700	1.00	0.00
ATOM	231	C1'	DT	8	5.166	2.214	5.550	1.00	0.00
ATOM	232	H1'	DT	8	5.116	1.528	6.396	1.00	0.00
ATOM	233	N1	DT	8	3.762	2.595	5.350	1.00	0.00
ATOM	234	C6	DT	8	3.312	3.891	5.380	1.00	0.00
ATOM	235	H6	DT	8	4.063	4.667	5.412	1.00	0.00
ATOM	236	C5	DT	8	2.009	4.249	5.330	1.00	0.00
ATOM	237	C7	DT	8	1.590	5.734	5.370	1.00	0.00

ATOM	238	H71	DT	8	2.029	6.259	4.522	1.00	0.00
ATOM	239	H72	DT	8	0.504	5.807	5.319	1.00	0.00
ATOM	240	H73	DT	8	1.941	6.186	6.298	1.00	0.00
ATOM	241	C4	DT	8	1.066	3.186	5.250	1.00	0.00
ATOM	242	O4	DT	8	-0.159	3.366	5.200	1.00	0.00
ATOM	243	N3	DT	8	1.581	1.884	5.220	1.00	0.00
ATOM	244	H3	DT	8	0.881	1.050	5.160	1.00	0.00
ATOM	245	C2	DT	8	2.914	1.569	5.270	1.00	0.00
ATOM	246	O2	DT	8	3.284	0.415	5.250	1.00	0.00
ATOM	247	C3'	DT	8	7.306	1.781	4.750	1.00	0.00
ATOM	248	H3'	DT	8	7.945	1.627	3.880	1.00	0.00
ATOM	249	C2'	DT	8	5.841	1.576	4.350	1.00	0.00
ATOM	250	H2'	DT	8	5.745	1.657	3.267	1.00	0.00
ATOM	251	H2''	DT	8	5.511	0.588	4.671	1.00	0.00
ATOM	252	O3'	DT	8	7.642	0.857	5.760	1.00	0.00
ATOM	253	P	DC	9	8.950	-0.062	5.600	1.00	0.00
ATOM	254	OP1	DC	9	9.165	-0.528	4.240	1.00	0.00
ATOM	255	OP2	DC	9	10.163	0.586	6.090	1.00	0.00
ATOM	256	O5'	DC	9	8.582	-1.298	6.550	1.00	0.00
ATOM	257	C5'	DC	9	8.940	-1.272	7.940	1.00	0.00
ATOM	258	H5'	DC	9	9.156	-0.231	8.179	1.00	0.00
ATOM	259	H5''	DC	9	9.792	-1.930	8.109	1.00	0.00
ATOM	260	C4'	DC	9	7.778	-1.739	8.770	1.00	0.00
ATOM	261	H4'	DC	9	8.218	-2.016	9.728	1.00	0.00
ATOM	262	O4'	DC	9	6.803	-0.715	9.100	1.00	0.00
ATOM	263	C1'	DC	9	5.480	-1.245	8.950	1.00	0.00
ATOM	264	H1'	DC	9	5.069	-1.755	9.821	1.00	0.00
ATOM	265	N1	DC	9	4.569	-0.112	8.750	1.00	0.00
ATOM	266	C6	DC	9	5.000	1.191	8.780	1.00	0.00
ATOM	267	H6	DC	9	6.061	1.379	8.847	1.00	0.00
ATOM	268	C5	DC	9	4.160	2.230	8.730	1.00	0.00
ATOM	269	H5	DC	9	4.558	3.245	8.744	1.00	0.00
ATOM	270	C4	DC	9	2.746	1.937	8.650	1.00	0.00
ATOM	271	N4	DC	9	1.896	2.954	8.600	1.00	0.00
ATOM	272	H41	DC	9	0.911	2.740	8.544	1.00	0.00
ATOM	273	H42	DC	9	2.238	3.904	8.618	1.00	0.00
ATOM	274	N3	DC	9	2.331	0.686	8.620	1.00	0.00
ATOM	275	C2	DC	9	3.181	-0.351	8.670	1.00	0.00
ATOM	276	O2	DC	9	2.789	-1.527	8.640	1.00	0.00
ATOM	277	C3'	DC	9	6.958	-2.854	8.150	1.00	0.00
ATOM	278	H3'	DC	9	7.384	-3.354	7.280	1.00	0.00
ATOM	279	C2'	DC	9	5.652	-2.158	7.750	1.00	0.00
ATOM	280	H2'	DC	9	5.622	-2.035	6.667	1.00	0.00
ATOM	281	H2''	DC	9	4.804	-2.764	8.070	1.00	0.00
ATOM	282	O3'	DC	9	6.686	-3.798	9.160	1.00	0.00
ATOM	283	P	DG	10	7.204	-5.311	9.000	1.00	0.00
ATOM	284	OP1	DG	10	7.104	-5.814	7.640	1.00	0.00
ATOM	285	OP2	DG	10	8.567	-5.500	9.490	1.00	0.00
ATOM	286	O5'	DG	10	6.180	-6.095	9.950	1.00	0.00
ATOM	287	C5'	DG	10	6.485	-6.284	11.340	1.00	0.00
ATOM	288	H5'	DG	10	7.272	-5.569	11.579	1.00	0.00
ATOM	289	H5''	DG	10	6.787	-7.318	11.509	1.00	0.00
ATOM	290	C4'	DG	10	5.271	-5.978	12.170	1.00	0.00
ATOM	291	H4'	DG	10	5.464	-6.461	13.128	1.00	0.00
ATOM	292	O4'	DG	10	5.083	-4.577	12.500	1.00	0.00
ATOM	293	C1'	DG	10	3.702	-4.229	12.350	1.00	0.00
ATOM	294	H1'	DG	10	3.049	-4.404	13.205	1.00	0.00
ATOM	295	N9	DG	10	3.630	-2.776	12.150	1.00	0.00
ATOM	296	C8	DG	10	4.698	-1.907	12.180	1.00	0.00
ATOM	297	H8	DG	10	5.696	-2.313	12.250	1.00	0.00

ATOM	298	N7	DG	10	4.385	-0.632	12.120	1.00	0.00
ATOM	299	C5	DG	10	2.986	-0.668	12.050	1.00	0.00
ATOM	300	C6	DG	10	2.036	0.425	11.960	1.00	0.00
ATOM	301	O6	DG	10	2.313	1.613	11.940	1.00	0.00
ATOM	302	N1	DG	10	0.728	-0.047	11.910	1.00	0.00
ATOM	303	H1	DG	10	0.007	0.644	11.855	1.00	0.00
ATOM	304	C2	DG	10	0.339	-1.369	11.930	1.00	0.00
ATOM	305	N2	DG	10	-0.960	-1.640	11.870	1.00	0.00
ATOM	306	H21	DG	10	-1.718	-0.974	11.821	1.00	0.00
ATOM	307	H22	DG	10	-1.219	-2.616	11.895	1.00	0.00
ATOM	308	N3	DG	10	1.242	-2.386	12.010	1.00	0.00
ATOM	309	C4	DG	10	2.553	-2.075	12.070	1.00	0.00
ATOM	310	C3'	DG	10	3.952	-6.398	11.550	1.00	0.00
ATOM	311	H3'	DG	10	4.003	-7.053	10.680	1.00	0.00
ATOM	312	C2'	DG	10	3.304	-5.068	11.150	1.00	0.00
ATOM	313	H2'	DG	10	3.351	-4.951	10.067	1.00	0.00
ATOM	314	H2''	DG	10	2.262	-5.060	11.471	1.00	0.00
ATOM	315	O3'	DG	10	3.177	-7.003	12.560	1.00	0.00
ATOM	316	P	DC	11	2.706	-8.531	12.400	1.00	0.00
ATOM	317	OP1	DC	11	2.329	-8.880	11.040	1.00	0.00
ATOM	318	OP2	DC	11	3.698	-9.485	12.890	1.00	0.00
ATOM	319	O5'	DC	11	1.418	-8.563	13.350	1.00	0.00
ATOM	320	C5'	DC	11	1.553	-8.896	14.740	1.00	0.00
ATOM	321	H5'	DC	11	2.610	-8.780	14.980	1.00	0.00
ATOM	322	H5''	DC	11	1.190	-9.910	14.908	1.00	0.00
ATOM	323	C4'	DC	11	0.750	-7.935	15.570	1.00	0.00
ATOM	324	H4'	DC	11	0.622	-8.439	16.528	1.00	0.00
ATOM	325	O4'	DC	11	1.422	-6.691	15.900	1.00	0.00
ATOM	326	C1'	DC	11	0.509	-5.597	15.750	1.00	0.00
ATOM	327	H1'	DC	11	-0.103	-5.364	16.621	1.00	0.00
ATOM	328	N1	DC	11	1.306	-4.380	15.550	1.00	0.00
ATOM	329	C6	DC	11	2.678	-4.387	15.580	1.00	0.00
ATOM	330	H6	DC	11	3.184	-5.339	15.647	1.00	0.00
ATOM	331	C5	DC	11	3.407	-3.267	15.530	1.00	0.00
ATOM	332	H5	DC	11	4.495	-3.331	15.544	1.00	0.00
ATOM	333	C4	DC	11	2.690	-2.013	15.450	1.00	0.00
ATOM	334	N4	DC	11	3.395	-0.891	15.400	1.00	0.00
ATOM	335	H41	DC	11	2.887	-0.020	15.344	1.00	0.00
ATOM	336	H42	DC	11	4.404	-0.923	15.418	1.00	0.00
ATOM	337	N3	DC	11	1.373	-2.005	15.420	1.00	0.00
ATOM	338	C2	DC	11	0.649	-3.134	15.470	1.00	0.00
ATOM	339	O2	DC	11	-0.590	-3.125	15.440	1.00	0.00
ATOM	340	C3'	DC	11	-0.564	-7.499	14.950	1.00	0.00
ATOM	341	H3'	DC	11	-0.908	-8.059	14.080	1.00	0.00
ATOM	342	C2'	DC	11	-0.306	-6.042	14.550	1.00	0.00
ATOM	343	H2'	DC	11	-0.199	-5.975	13.467	1.00	0.00
ATOM	344	H2''	DC	11	-1.144	-5.423	14.870	1.00	0.00
ATOM	345	O3'	DC	11	-1.546	-7.533	15.960	1.00	0.00
ATOM	346	P	DG3	12	-2.825	-8.492	15.800	1.00	0.00
ATOM	347	OP1	DG3	12	-3.335	-8.553	14.440	1.00	0.00
ATOM	348	OP2	DG3	12	-2.583	-9.847	16.290	1.00	0.00
ATOM	349	O5'	DG3	12	-3.887	-7.761	16.750	1.00	0.00
ATOM	350	C5'	DG3	12	-3.973	-8.109	18.140	1.00	0.00
ATOM	351	H5'	DG3	12	-3.050	-8.637	18.379	1.00	0.00
ATOM	352	H5''	DG3	12	-4.863	-8.715	18.309	1.00	0.00
ATOM	353	C4'	DG3	12	-4.057	-6.860	18.970	1.00	0.00
ATOM	354	H4'	DG3	12	-4.456	-7.193	19.928	1.00	0.00
ATOM	355	O4'	DG3	12	-2.782	-6.249	19.300	1.00	0.00
ATOM	356	C1'	DG3	12	-2.878	-4.827	19.150	1.00	0.00
ATOM	357	H1'	DG3	12	-3.246	-4.259	20.005	1.00	0.00

ATOM	358	N9	DG3	12	-1.518	-4.311	18.950	1.00	0.00
ATOM	359	C8	DG3	12	-0.362	-5.057	18.980	1.00	0.00
ATOM	360	H8	DG3	12	-0.439	-6.132	19.050	1.00	0.00
ATOM	361	N7	DG3	12	0.754	-4.365	18.920	1.00	0.00
ATOM	362	C5	DG3	12	0.288	-3.046	18.850	1.00	0.00
ATOM	363	C6	DG3	12	1.034	-1.805	18.760	1.00	0.00
ATOM	364	O6	DG3	12	2.249	-1.701	18.740	1.00	0.00
ATOM	365	N1	DG3	12	0.180	-0.707	18.710	1.00	0.00
ATOM	366	H1	DG3	12	0.615	0.192	18.655	1.00	0.00
ATOM	367	C2	DG3	12	-1.197	-0.745	18.730	1.00	0.00
ATOM	368	N2	DG3	12	-1.856	0.406	18.670	1.00	0.00
ATOM	369	H21	DG3	12	-1.457	1.333	18.621	1.00	0.00
ATOM	370	H22	DG3	12	-2.864	0.350	18.695	1.00	0.00
ATOM	371	N3	DG3	12	-1.885	-1.919	18.810	1.00	0.00
ATOM	372	C4	DG3	12	-1.184	-3.069	18.870	1.00	0.00
ATOM	373	C3'	DG3	12	-4.864	-5.735	18.350	1.00	0.00
ATOM	374	H3'	DG3	12	-5.471	-5.986	17.480	1.00	0.00
ATOM	375	C2'	DG3	12	-3.799	-4.708	17.950	1.00	0.00
ATOM	376	H2'	DG3	12	-3.673	-4.717	16.867	1.00	0.00
ATOM	377	H2''	DG3	12	-4.113	-3.715	18.271	1.00	0.00
ATOM	378	O3'	DG3	12	-5.679	-5.185	19.360	1.00	0.00
ATOM	379	HO3'	DG3	12	-6.239	-4.458	19.078	1.00	0.00
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ATOM	380	HO5'	DC5	13	1.879	9.095	21.303	1.00	0.00
ATOM	381	O5'	DC5	13	1.418	8.563	20.650	1.00	0.00
ATOM	382	C5'	DC5	13	1.553	8.896	19.260	1.00	0.00
ATOM	383	H5'	DC5	13	2.610	8.780	19.020	1.00	0.00
ATOM	384	H5''	DC5	13	1.239	9.915	19.033	1.00	0.00
ATOM	385	C4'	DC5	13	0.750	7.935	18.430	1.00	0.00
ATOM	386	H4'	DC5	13	0.622	8.439	17.472	1.00	0.00
ATOM	387	O4'	DC5	13	1.422	6.691	18.100	1.00	0.00
ATOM	388	C1'	DC5	13	0.509	5.597	18.250	1.00	0.00
ATOM	389	H1'	DC5	13	-0.103	5.364	17.379	1.00	0.00
ATOM	390	N1	DC5	13	1.306	4.380	18.450	1.00	0.00
ATOM	391	C6	DC5	13	2.678	4.387	18.420	1.00	0.00
ATOM	392	H6	DC5	13	3.184	5.339	18.353	1.00	0.00
ATOM	393	C5	DC5	13	3.407	3.267	18.470	1.00	0.00
ATOM	394	H5	DC5	13	4.495	3.331	18.456	1.00	0.00
ATOM	395	C4	DC5	13	2.690	2.013	18.550	1.00	0.00
ATOM	396	N4	DC5	13	3.395	0.891	18.600	1.00	0.00
ATOM	397	H41	DC5	13	2.887	0.020	18.656	1.00	0.00
ATOM	398	H42	DC5	13	4.404	0.923	18.582	1.00	0.00
ATOM	399	N3	DC5	13	1.373	2.005	18.580	1.00	0.00
ATOM	400	C2	DC5	13	0.649	3.134	18.530	1.00	0.00
ATOM	401	O2	DC5	13	-0.590	3.125	18.560	1.00	0.00
ATOM	402	C3'	DC5	13	-0.564	7.499	19.050	1.00	0.00
ATOM	403	H3'	DC5	13	-0.908	8.059	19.920	1.00	0.00
ATOM	404	C2'	DC5	13	-0.306	6.042	19.450	1.00	0.00
ATOM	405	H2'	DC5	13	-0.199	5.975	20.533	1.00	0.00
ATOM	406	H2''	DC5	13	-1.144	5.423	19.130	1.00	0.00
ATOM	407	O3'	DC5	13	-1.546	7.533	18.040	1.00	0.00
ATOM	408	P	DG	14	-2.825	8.492	18.200	1.00	0.00
ATOM	409	OP1	DG	14	-3.335	8.553	19.560	1.00	0.00
ATOM	410	OP2	DG	14	-2.583	9.847	17.710	1.00	0.00
ATOM	411	O5'	DG	14	-3.887	7.761	17.250	1.00	0.00
ATOM	412	C5'	DG	14	-3.973	8.109	15.860	1.00	0.00
ATOM	413	H5'	DG	14	-3.050	8.637	15.621	1.00	0.00
ATOM	414	H5''	DG	14	-4.863	8.715	15.691	1.00	0.00
ATOM	415	C4'	DG	14	-4.057	6.860	15.030	1.00	0.00
ATOM	416	H4'	DG	14	-4.456	7.193	14.072	1.00	0.00

ATOM	417	O4'	DG	14	-2.782	6.249	14.700	1.00	0.00
ATOM	418	C1'	DG	14	-2.878	4.827	14.850	1.00	0.00
ATOM	419	H1'	DG	14	-3.246	4.259	13.995	1.00	0.00
ATOM	420	N9	DG	14	-1.518	4.311	15.050	1.00	0.00
ATOM	421	C8	DG	14	-0.362	5.057	15.020	1.00	0.00
ATOM	422	H8	DG	14	-0.439	6.132	14.950	1.00	0.00
ATOM	423	N7	DG	14	0.754	4.365	15.080	1.00	0.00
ATOM	424	C5	DG	14	0.288	3.046	15.150	1.00	0.00
ATOM	425	C6	DG	14	1.034	1.805	15.240	1.00	0.00
ATOM	426	O6	DG	14	2.249	1.701	15.260	1.00	0.00
ATOM	427	N1	DG	14	0.180	0.707	15.290	1.00	0.00
ATOM	428	H1	DG	14	0.615	-0.192	15.345	1.00	0.00
ATOM	429	C2	DG	14	-1.197	0.745	15.270	1.00	0.00
ATOM	430	N2	DG	14	-1.856	-0.406	15.330	1.00	0.00
ATOM	431	H21	DG	14	-1.457	-1.333	15.379	1.00	0.00
ATOM	432	H22	DG	14	-2.864	-0.350	15.305	1.00	0.00
ATOM	433	N3	DG	14	-1.885	1.919	15.190	1.00	0.00
ATOM	434	C4	DG	14	-1.184	3.069	15.130	1.00	0.00
ATOM	435	C3'	DG	14	-4.864	5.735	15.650	1.00	0.00
ATOM	436	H3'	DG	14	-5.471	5.986	16.520	1.00	0.00
ATOM	437	C2'	DG	14	-3.799	4.708	16.050	1.00	0.00
ATOM	438	H2'	DG	14	-3.673	4.717	17.133	1.00	0.00
ATOM	439	H2''	DG	14	-4.113	3.715	15.729	1.00	0.00
ATOM	440	O3'	DG	14	-5.679	5.185	14.640	1.00	0.00
ATOM	441	P	DC	15	-7.277	5.210	14.800	1.00	0.00
ATOM	442	OP1	DC	15	-7.725	4.959	16.160	1.00	0.00
ATOM	443	OP2	DC	15	-7.878	6.448	14.310	1.00	0.00
ATOM	444	O5'	DC	15	-7.706	3.995	13.850	1.00	0.00
ATOM	445	C5'	DC	15	-7.980	4.225	12.460	1.00	0.00
ATOM	446	H5'	DC	15	-7.544	5.194	12.220	1.00	0.00
ATOM	447	H5''	DC	15	-9.056	4.193	12.291	1.00	0.00
ATOM	448	C4'	DC	15	-7.315	3.165	11.630	1.00	0.00
ATOM	449	H4'	DC	15	-7.834	3.199	10.672	1.00	0.00
ATOM	450	O4'	DC	15	-5.924	3.420	11.300	1.00	0.00
ATOM	451	C1'	DC	15	-5.166	2.214	11.450	1.00	0.00
ATOM	452	H1'	DC	15	-5.134	1.560	10.579	1.00	0.00
ATOM	453	N1	DC	15	-3.762	2.595	11.650	1.00	0.00
ATOM	454	C6	DC	15	-3.345	3.903	11.620	1.00	0.00
ATOM	455	H6	DC	15	-4.093	4.679	11.553	1.00	0.00
ATOM	456	C5	DC	15	-2.054	4.250	11.670	1.00	0.00
ATOM	457	H5	DC	15	-1.779	5.305	11.656	1.00	0.00
ATOM	458	C4	DC	15	-1.083	3.181	11.750	1.00	0.00
ATOM	459	N4	DC	15	0.202	3.504	11.800	1.00	0.00
ATOM	460	H41	DC	15	0.873	2.752	11.856	1.00	0.00
ATOM	461	H42	DC	15	0.484	4.474	11.782	1.00	0.00
ATOM	462	N3	DC	15	-1.483	1.925	11.780	1.00	0.00
ATOM	463	C2	DC	15	-2.780	1.585	11.730	1.00	0.00
ATOM	464	O2	DC	15	-3.154	0.404	11.760	1.00	0.00
ATOM	465	C3'	DC	15	-7.306	1.781	12.250	1.00	0.00
ATOM	466	H3'	DC	15	-7.945	1.627	13.120	1.00	0.00
ATOM	467	C2'	DC	15	-5.841	1.576	12.650	1.00	0.00
ATOM	468	H2'	DC	15	-5.745	1.657	13.733	1.00	0.00
ATOM	469	H2''	DC	15	-5.511	0.588	12.329	1.00	0.00
ATOM	470	O3'	DC	15	-7.642	0.857	11.240	1.00	0.00
ATOM	471	P	DG	16	-8.950	-0.062	11.400	1.00	0.00
ATOM	472	OP1	DG	16	-9.165	-0.528	12.760	1.00	0.00
ATOM	473	OP2	DG	16	-10.163	0.586	10.910	1.00	0.00
ATOM	474	O5'	DG	16	-8.582	-1.298	10.450	1.00	0.00
ATOM	475	C5'	DG	16	-8.940	-1.272	9.060	1.00	0.00
ATOM	476	H5'	DG	16	-9.156	-0.231	8.821	1.00	0.00

ATOM	477	H5 ' '	DG	16	-9.792	-1.930	8.891	1.00	0.00
ATOM	478	C4'	DG	16	-7.778	-1.739	8.230	1.00	0.00
ATOM	479	H4'	DG	16	-8.218	-2.016	7.272	1.00	0.00
ATOM	480	O4'	DG	16	-6.803	-0.715	7.900	1.00	0.00
ATOM	481	C1'	DG	16	-5.480	-1.245	8.050	1.00	0.00
ATOM	482	H1'	DG	16	-5.054	-1.771	7.195	1.00	0.00
ATOM	483	N9	DG	16	-4.569	-0.112	8.250	1.00	0.00
ATOM	484	C8	DG	16	-4.922	1.218	8.220	1.00	0.00
ATOM	485	H8	DG	16	-5.968	1.476	8.150	1.00	0.00
ATOM	486	N7	DG	16	-3.919	2.066	8.280	1.00	0.00
ATOM	487	C5	DG	16	-2.808	1.215	8.350	1.00	0.00
ATOM	488	C6	DG	16	-1.397	1.541	8.440	1.00	0.00
ATOM	489	O6	DG	16	-0.923	2.665	8.460	1.00	0.00
ATOM	490	N1	DG	16	-0.617	0.390	8.490	1.00	0.00
ATOM	491	H1	DG	16	0.372	0.526	8.545	1.00	0.00
ATOM	492	C2	DG	16	-1.079	-0.908	8.470	1.00	0.00
ATOM	493	N2	DG	16	-0.187	-1.891	8.530	1.00	0.00
ATOM	494	H21	DG	16	0.818	-1.798	8.579	1.00	0.00
ATOM	495	H22	DG	16	-0.551	-2.833	8.505	1.00	0.00
ATOM	496	N3	DG	16	-2.407	-1.200	8.390	1.00	0.00
ATOM	497	C4	DG	16	-3.285	-0.178	8.330	1.00	0.00
ATOM	498	C3'	DG	16	-6.958	-2.854	8.850	1.00	0.00
ATOM	499	H3'	DG	16	-7.384	-3.354	9.720	1.00	0.00
ATOM	500	C2'	DG	16	-5.652	-2.158	9.250	1.00	0.00
ATOM	501	H2'	DG	16	-5.622	-2.035	10.333	1.00	0.00
ATOM	502	H2 ' '	DG	16	-4.804	-2.764	8.930	1.00	0.00
ATOM	503	O3'	DG	16	-6.686	-3.798	7.840	1.00	0.00
ATOM	504	P	DA	17	-7.204	-5.311	8.000	1.00	0.00
ATOM	505	OP1	DA	17	-7.104	-5.814	9.360	1.00	0.00
ATOM	506	OP2	DA	17	-8.567	-5.500	7.510	1.00	0.00
ATOM	507	O5'	DA	17	-6.180	-6.095	7.050	1.00	0.00
ATOM	508	C5'	DA	17	-6.485	-6.284	5.660	1.00	0.00
ATOM	509	H5'	DA	17	-7.272	-5.569	5.421	1.00	0.00
ATOM	510	H5 ' '	DA	17	-6.787	-7.318	5.491	1.00	0.00
ATOM	511	C4'	DA	17	-5.271	-5.978	4.830	1.00	0.00
ATOM	512	H4'	DA	17	-5.464	-6.461	3.872	1.00	0.00
ATOM	513	O4'	DA	17	-5.083	-4.577	4.500	1.00	0.00
ATOM	514	C1'	DA	17	-3.702	-4.229	4.650	1.00	0.00
ATOM	515	H1'	DA	17	-2.982	-4.402	3.850	1.00	0.00
ATOM	516	N9	DA	17	-3.630	-2.776	4.850	1.00	0.00
ATOM	517	C8	DA	17	-4.698	-1.879	4.820	1.00	0.00
ATOM	518	H8	DA	17	-5.715	-2.243	4.802	1.00	0.00
ATOM	519	N7	DA	17	-4.327	-0.608	4.880	1.00	0.00
ATOM	520	C5	DA	17	-2.971	-0.691	4.950	1.00	0.00
ATOM	521	C6	DA	17	-1.962	0.335	5.030	1.00	0.00
ATOM	522	N6	DA	17	-2.276	1.666	5.060	1.00	0.00
ATOM	523	H61	DA	17	-1.542	2.357	5.116	1.00	0.00
ATOM	524	H62	DA	17	-3.242	1.958	5.026	1.00	0.00
ATOM	525	N1	DA	17	-0.698	-0.052	5.090	1.00	0.00
ATOM	526	C2	DA	17	-0.410	-1.359	5.050	1.00	0.00
ATOM	527	H2	DA	17	0.619	-1.685	5.074	1.00	0.00
ATOM	528	N3	DA	17	-1.248	-2.417	4.980	1.00	0.00
ATOM	529	C4	DA	17	-2.507	-1.973	4.930	1.00	0.00
ATOM	530	C3'	DA	17	-3.952	-6.398	5.450	1.00	0.00
ATOM	531	H3'	DA	17	-4.003	-7.053	6.320	1.00	0.00
ATOM	532	C2'	DA	17	-3.304	-5.068	5.850	1.00	0.00
ATOM	533	H2'	DA	17	-3.351	-4.951	6.933	1.00	0.00
ATOM	534	H2 ' '	DA	17	-2.262	-5.060	5.529	1.00	0.00
ATOM	535	O3'	DA	17	-3.177	-7.003	4.440	1.00	0.00
ATOM	536	P	DA	18	-2.706	-8.531	4.600	1.00	0.00

ATOM	537	OP1	DA	18	-2.329	-8.880	5.960	1.00	0.00
ATOM	538	OP2	DA	18	-3.698	-9.485	4.110	1.00	0.00
ATOM	539	O5'	DA	18	-1.418	-8.563	3.650	1.00	0.00
ATOM	540	C5'	DA	18	-1.553	-8.896	2.260	1.00	0.00
ATOM	541	H5'	DA	18	-2.610	-8.780	2.020	1.00	0.00
ATOM	542	H5''	DA	18	-1.190	-9.910	2.092	1.00	0.00
ATOM	543	C4'	DA	18	-0.750	-7.935	1.430	1.00	0.00
ATOM	544	H4'	DA	18	-0.622	-8.439	0.472	1.00	0.00
ATOM	545	O4'	DA	18	-1.422	-6.691	1.100	1.00	0.00
ATOM	546	C1'	DA	18	-0.509	-5.597	1.250	1.00	0.00
ATOM	547	H1'	DA	18	0.175	-5.314	0.450	1.00	0.00
ATOM	548	N9	DA	18	-1.306	-4.380	1.450	1.00	0.00
ATOM	549	C8	DA	18	-2.696	-4.282	1.420	1.00	0.00
ATOM	550	H8	DA	18	-3.304	-5.175	1.402	1.00	0.00
ATOM	551	N7	DA	18	-3.144	-3.036	1.480	1.00	0.00
ATOM	552	C5	DA	18	-1.997	-2.305	1.550	1.00	0.00
ATOM	553	C6	DA	18	-1.784	-0.882	1.630	1.00	0.00
ATOM	554	N6	DA	18	-2.820	0.010	1.660	1.00	0.00
ATOM	555	H61	DA	18	-2.632	1.001	1.716	1.00	0.00
ATOM	556	H62	DA	18	-3.773	-0.322	1.626	1.00	0.00
ATOM	557	N1	DA	18	-0.534	-0.453	1.690	1.00	0.00
ATOM	558	C2	DA	18	0.467	-1.341	1.650	1.00	0.00
ATOM	559	H2	DA	18	1.491	-1.000	1.674	1.00	0.00
ATOM	560	N3	DA	18	0.411	-2.689	1.580	1.00	0.00
ATOM	561	C4	DA	18	-0.869	-3.069	1.530	1.00	0.00
ATOM	562	C3'	DA	18	0.564	-7.499	2.050	1.00	0.00
ATOM	563	H3'	DA	18	0.908	-8.059	2.920	1.00	0.00
ATOM	564	C2'	DA	18	0.306	-6.042	2.450	1.00	0.00
ATOM	565	H2'	DA	18	0.199	-5.975	3.533	1.00	0.00
ATOM	566	H2''	DA	18	1.144	-5.423	2.130	1.00	0.00
ATOM	567	O3'	DA	18	1.546	-7.533	1.040	1.00	0.00
ATOM	568	P	DT	19	2.825	-8.492	1.200	1.00	0.00
ATOM	569	OP1	DT	19	3.335	-8.553	2.560	1.00	0.00
ATOM	570	OP2	DT	19	2.583	-9.847	0.710	1.00	0.00
ATOM	571	O5'	DT	19	3.887	-7.761	0.250	1.00	0.00
ATOM	572	C5'	DT	19	3.973	-8.109	-1.140	1.00	0.00
ATOM	573	H5'	DT	19	3.050	-8.637	-1.379	1.00	0.00
ATOM	574	H5''	DT	19	4.863	-8.715	-1.309	1.00	0.00
ATOM	575	C4'	DT	19	4.057	-6.860	-1.970	1.00	0.00
ATOM	576	H4'	DT	19	4.456	-7.193	-2.928	1.00	0.00
ATOM	577	O4'	DT	19	2.782	-6.249	-2.300	1.00	0.00
ATOM	578	C1'	DT	19	2.878	-4.827	-2.150	1.00	0.00
ATOM	579	H1'	DT	19	3.240	-4.243	-2.996	1.00	0.00
ATOM	580	N1	DT	19	1.518	-4.311	-1.950	1.00	0.00
ATOM	581	C6	DT	19	0.392	-5.095	-1.980	1.00	0.00
ATOM	582	H6	DT	19	0.543	-6.164	-2.012	1.00	0.00
ATOM	583	C5	DT	19	-0.873	-4.618	-1.930	1.00	0.00
ATOM	584	C7	DT	19	-2.084	-5.573	-1.970	1.00	0.00
ATOM	585	H71	DT	19	-2.037	-6.256	-1.122	1.00	0.00
ATOM	586	H72	DT	19	-3.006	-4.994	-1.919	1.00	0.00
ATOM	587	H73	DT	19	-2.066	-6.145	-2.898	1.00	0.00
ATOM	588	C4	DT	19	-1.010	-3.204	-1.850	1.00	0.00
ATOM	589	O4	DT	19	-2.107	-2.630	-1.800	1.00	0.00
ATOM	590	N3	DT	19	0.172	-2.454	-1.820	1.00	0.00
ATOM	591	H3	DT	19	0.097	-1.368	-1.760	1.00	0.00
ATOM	592	C2	DT	19	1.435	-2.983	-1.870	1.00	0.00
ATOM	593	O2	DT	19	2.413	-2.266	-1.850	1.00	0.00
ATOM	594	C3'	DT	19	4.864	-5.735	-1.350	1.00	0.00
ATOM	595	H3'	DT	19	5.471	-5.986	-0.480	1.00	0.00
ATOM	596	C2'	DT	19	3.799	-4.708	-0.950	1.00	0.00

ATOM	597	H2'	DT	19	3.673	-4.717	0.133	1.00	0.00
ATOM	598	H2''	DT	19	4.113	-3.715	-1.271	1.00	0.00
ATOM	599	O3'	DT	19	5.679	-5.185	-2.360	1.00	0.00
ATOM	600	P	DT	20	7.277	-5.210	-2.200	1.00	0.00
ATOM	601	OP1	DT	20	7.725	-4.959	-0.840	1.00	0.00
ATOM	602	OP2	DT	20	7.878	-6.448	-2.690	1.00	0.00
ATOM	603	O5'	DT	20	7.706	-3.995	-3.150	1.00	0.00
ATOM	604	C5'	DT	20	7.980	-4.225	-4.540	1.00	0.00
ATOM	605	H5'	DT	20	7.544	-5.194	-4.780	1.00	0.00
ATOM	606	H5''	DT	20	9.056	-4.193	-4.709	1.00	0.00
ATOM	607	C4'	DT	20	7.315	-3.165	-5.370	1.00	0.00
ATOM	608	H4'	DT	20	7.834	-3.199	-6.328	1.00	0.00
ATOM	609	O4'	DT	20	5.924	-3.420	-5.700	1.00	0.00
ATOM	610	C1'	DT	20	5.166	-2.214	-5.550	1.00	0.00
ATOM	611	H1'	DT	20	5.116	-1.528	-6.396	1.00	0.00
ATOM	612	N1	DT	20	3.762	-2.595	-5.350	1.00	0.00
ATOM	613	C6	DT	20	3.312	-3.891	-5.380	1.00	0.00
ATOM	614	H6	DT	20	4.063	-4.667	-5.412	1.00	0.00
ATOM	615	C5	DT	20	2.009	-4.249	-5.330	1.00	0.00
ATOM	616	C7	DT	20	1.590	-5.734	-5.370	1.00	0.00
ATOM	617	H71	DT	20	2.029	-6.259	-4.522	1.00	0.00
ATOM	618	H72	DT	20	0.504	-5.807	-5.319	1.00	0.00
ATOM	619	H73	DT	20	1.941	-6.186	-6.298	1.00	0.00
ATOM	620	C4	DT	20	1.066	-3.186	-5.250	1.00	0.00
ATOM	621	O4	DT	20	-0.159	-3.366	-5.200	1.00	0.00
ATOM	622	N3	DT	20	1.581	-1.884	-5.220	1.00	0.00
ATOM	623	H3	DT	20	0.881	-1.050	-5.160	1.00	0.00
ATOM	624	C2	DT	20	2.914	-1.569	-5.270	1.00	0.00
ATOM	625	O2	DT	20	3.284	-0.415	-5.250	1.00	0.00
ATOM	626	C3'	DT	20	7.306	-1.781	-4.750	1.00	0.00
ATOM	627	H3'	DT	20	7.945	-1.627	-3.880	1.00	0.00
ATOM	628	C2'	DT	20	5.841	-1.576	-4.350	1.00	0.00
ATOM	629	H2'	DT	20	5.745	-1.657	-3.267	1.00	0.00
ATOM	630	H2''	DT	20	5.511	-0.588	-4.671	1.00	0.00
ATOM	631	O3'	DT	20	7.642	-0.857	-5.760	1.00	0.00
ATOM	632	P	DC	21	8.950	0.062	-5.600	1.00	0.00
ATOM	633	OP1	DC	21	9.165	0.528	-4.240	1.00	0.00
ATOM	634	OP2	DC	21	10.163	-0.586	-6.090	1.00	0.00
ATOM	635	O5'	DC	21	8.582	1.298	-6.550	1.00	0.00
ATOM	636	C5'	DC	21	8.940	1.272	-7.940	1.00	0.00
ATOM	637	H5'	DC	21	9.156	0.231	-8.179	1.00	0.00
ATOM	638	H5''	DC	21	9.792	1.930	-8.109	1.00	0.00
ATOM	639	C4'	DC	21	7.778	1.739	-8.770	1.00	0.00
ATOM	640	H4'	DC	21	8.218	2.016	-9.728	1.00	0.00
ATOM	641	O4'	DC	21	6.803	0.715	-9.100	1.00	0.00
ATOM	642	C1'	DC	21	5.480	1.245	-8.950	1.00	0.00
ATOM	643	H1'	DC	21	5.069	1.755	-9.821	1.00	0.00
ATOM	644	N1	DC	21	4.569	0.112	-8.750	1.00	0.00
ATOM	645	C6	DC	21	5.000	-1.191	-8.780	1.00	0.00
ATOM	646	H6	DC	21	6.061	-1.379	-8.847	1.00	0.00
ATOM	647	C5	DC	21	4.160	-2.230	-8.730	1.00	0.00
ATOM	648	H5	DC	21	4.558	-3.245	-8.744	1.00	0.00
ATOM	649	C4	DC	21	2.746	-1.937	-8.650	1.00	0.00
ATOM	650	N4	DC	21	1.896	-2.954	-8.600	1.00	0.00
ATOM	651	H41	DC	21	0.911	-2.740	-8.544	1.00	0.00
ATOM	652	H42	DC	21	2.238	-3.904	-8.618	1.00	0.00
ATOM	653	N3	DC	21	2.331	-0.686	-8.620	1.00	0.00
ATOM	654	C2	DC	21	3.181	0.351	-8.670	1.00	0.00
ATOM	655	O2	DC	21	2.789	1.527	-8.640	1.00	0.00
ATOM	656	C3'	DC	21	6.958	2.854	-8.150	1.00	0.00

ATOM	657	H3'	DC	21	7.384	3.354	-7.280	1.00	0.00
ATOM	658	C2'	DC	21	5.652	2.158	-7.750	1.00	0.00
ATOM	659	H2'	DC	21	5.622	2.035	-6.667	1.00	0.00
ATOM	660	H2''	DC	21	4.804	2.764	-8.070	1.00	0.00
ATOM	661	O3'	DC	21	6.686	3.798	-9.160	1.00	0.00
ATOM	662	P	DG	22	7.204	5.311	-9.000	1.00	0.00
ATOM	663	OP1	DG	22	7.104	5.814	-7.640	1.00	0.00
ATOM	664	OP2	DG	22	8.567	5.500	-9.490	1.00	0.00
ATOM	665	O5'	DG	22	6.180	6.095	-9.950	1.00	0.00
ATOM	666	C5'	DG	22	6.485	6.284	-11.340	1.00	0.00
ATOM	667	H5'	DG	22	7.272	5.569	-11.579	1.00	0.00
ATOM	668	H5''	DG	22	6.787	7.318	-11.509	1.00	0.00
ATOM	669	C4'	DG	22	5.271	5.978	-12.170	1.00	0.00
ATOM	670	H4'	DG	22	5.464	6.461	-13.128	1.00	0.00
ATOM	671	O4'	DG	22	5.083	4.577	-12.500	1.00	0.00
ATOM	672	C1'	DG	22	3.702	4.229	-12.350	1.00	0.00
ATOM	673	H1'	DG	22	3.049	4.404	-13.205	1.00	0.00
ATOM	674	N9	DG	22	3.630	2.776	-12.150	1.00	0.00
ATOM	675	C8	DG	22	4.698	1.907	-12.180	1.00	0.00
ATOM	676	H8	DG	22	5.696	2.313	-12.250	1.00	0.00
ATOM	677	N7	DG	22	4.385	0.632	-12.120	1.00	0.00
ATOM	678	C5	DG	22	2.986	0.668	-12.050	1.00	0.00
ATOM	679	C6	DG	22	2.036	-0.425	-11.960	1.00	0.00
ATOM	680	O6	DG	22	2.313	-1.613	-11.940	1.00	0.00
ATOM	681	N1	DG	22	0.728	0.047	-11.910	1.00	0.00
ATOM	682	H1	DG	22	0.007	-0.644	-11.855	1.00	0.00
ATOM	683	C2	DG	22	0.339	1.369	-11.930	1.00	0.00
ATOM	684	N2	DG	22	-0.960	1.640	-11.870	1.00	0.00
ATOM	685	H21	DG	22	-1.718	0.974	-11.821	1.00	0.00
ATOM	686	H22	DG	22	-1.219	2.616	-11.895	1.00	0.00
ATOM	687	N3	DG	22	1.242	2.386	-12.010	1.00	0.00
ATOM	688	C4	DG	22	2.553	2.075	-12.070	1.00	0.00
ATOM	689	C3'	DG	22	3.952	6.398	-11.550	1.00	0.00
ATOM	690	H3'	DG	22	4.003	7.053	-10.680	1.00	0.00
ATOM	691	C2'	DG	22	3.304	5.068	-11.150	1.00	0.00
ATOM	692	H2'	DG	22	3.351	4.951	-10.067	1.00	0.00
ATOM	693	H2''	DG	22	2.262	5.060	-11.471	1.00	0.00
ATOM	694	O3'	DG	22	3.177	7.003	-12.560	1.00	0.00
ATOM	695	P	DC	23	2.706	8.531	-12.400	1.00	0.00
ATOM	696	OP1	DC	23	2.329	8.880	-11.040	1.00	0.00
ATOM	697	OP2	DC	23	3.698	9.485	-12.890	1.00	0.00
ATOM	698	O5'	DC	23	1.418	8.563	-13.350	1.00	0.00
ATOM	699	C5'	DC	23	1.553	8.896	-14.740	1.00	0.00
ATOM	700	H5'	DC	23	2.610	8.780	-14.980	1.00	0.00
ATOM	701	H5''	DC	23	1.190	9.910	-14.908	1.00	0.00
ATOM	702	C4'	DC	23	0.750	7.935	-15.570	1.00	0.00
ATOM	703	H4'	DC	23	0.622	8.439	-16.528	1.00	0.00
ATOM	704	O4'	DC	23	1.422	6.691	-15.900	1.00	0.00
ATOM	705	C1'	DC	23	0.509	5.597	-15.750	1.00	0.00
ATOM	706	H1'	DC	23	-0.103	5.364	-16.621	1.00	0.00
ATOM	707	N1	DC	23	1.306	4.380	-15.550	1.00	0.00
ATOM	708	C6	DC	23	2.678	4.387	-15.580	1.00	0.00
ATOM	709	H6	DC	23	3.184	5.339	-15.647	1.00	0.00
ATOM	710	C5	DC	23	3.407	3.267	-15.530	1.00	0.00
ATOM	711	H5	DC	23	4.495	3.331	-15.544	1.00	0.00
ATOM	712	C4	DC	23	2.690	2.013	-15.450	1.00	0.00
ATOM	713	N4	DC	23	3.395	0.891	-15.400	1.00	0.00
ATOM	714	H41	DC	23	2.887	0.020	-15.344	1.00	0.00
ATOM	715	H42	DC	23	4.404	0.923	-15.418	1.00	0.00
ATOM	716	N3	DC	23	1.373	2.005	-15.420	1.00	0.00

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ATOM	1	HO5'	DC5	1	-10.397	-1.488	-19.095	1.00	0.00
ATOM	2	O5'	DC5	1	-9.812	-2.249	-19.092	1.00	0.00
ATOM	3	C5'	DC5	1	-9.272	-2.710	-17.837	1.00	0.00
ATOM	4	H5'	DC5	1	-10.048	-2.933	-17.105	1.00	0.00
ATOM	5	H5''	DC5	1	-8.682	-1.861	-17.492	1.00	0.00
ATOM	6	C4'	DC5	1	-8.358	-3.930	-17.990	1.00	0.00
ATOM	7	H4'	DC5	1	-8.857	-4.760	-18.491	1.00	0.00
ATOM	8	O4'	DC5	1	-7.312	-3.533	-18.902	1.00	0.00
ATOM	9	C1'	DC5	1	-6.194	-4.379	-18.700	1.00	0.00
ATOM	10	H1'	DC5	1	-6.134	-5.039	-19.566	1.00	0.00
ATOM	11	N1	DC5	1	-4.905	-3.692	-18.700	1.00	0.00
ATOM	12	C6	DC5	1	-3.780	-4.470	-18.700	1.00	0.00
ATOM	13	H6	DC5	1	-3.860	-5.547	-18.700	1.00	0.00
ATOM	14	C5	DC5	1	-2.530	-3.893	-18.700	1.00	0.00
ATOM	15	H5	DC5	1	-1.631	-4.510	-18.700	1.00	0.00
ATOM	16	C4	DC5	1	-2.497	-2.516	-18.700	1.00	0.00
ATOM	17	N4	DC5	1	-1.341	-1.867	-18.700	1.00	0.00
ATOM	18	H41	DC5	1	-1.369	-0.857	-18.700	1.00	0.00
ATOM	19	H42	DC5	1	-0.470	-2.378	-18.700	1.00	0.00
ATOM	20	N3	DC5	1	-3.630	-1.765	-18.700	1.00	0.00
ATOM	21	C2	DC5	1	-4.856	-2.348	-18.700	1.00	0.00
ATOM	22	O2	DC5	1	-5.884	-1.680	-18.700	1.00	0.00
ATOM	23	C3'	DC5	1	-7.523	-4.339	-16.756	1.00	0.00
ATOM	24	H3'	DC5	1	-7.121	-3.447	-16.276	1.00	0.00
ATOM	25	C2'	DC5	1	-6.398	-5.116	-17.398	1.00	0.00
ATOM	26	H2'	DC5	1	-5.817	-5.621	-16.626	1.00	0.00
ATOM	27	H2''	DC5	1	-6.812	-5.856	-18.083	1.00	0.00
ATOM	28	O3'	DC5	1	-8.176	-5.168	-15.772	1.00	0.00
ATOM	29	P	DG	2	-8.286	-6.780	-15.839	1.00	0.00
ATOM	30	OP1	DG	2	-9.095	-7.240	-14.693	1.00	0.00
ATOM	31	OP2	DG	2	-8.827	-7.146	-17.169	1.00	0.00
ATOM	32	O5'	DG	2	-6.797	-7.425	-15.692	1.00	0.00
ATOM	33	C5'	DG	2	-6.091	-7.498	-14.437	1.00	0.00
ATOM	34	H5'	DG	2	-6.603	-8.123	-13.705	1.00	0.00
ATOM	35	H5''	DG	2	-6.061	-6.510	-13.978	1.00	0.00
ATOM	36	C4'	DG	2	-4.645	-7.983	-14.590	1.00	0.00
ATOM	37	H4'	DG	2	-4.583	-8.949	-15.091	1.00	0.00
ATOM	38	O4'	DG	2	-4.010	-7.062	-15.502	1.00	0.00
ATOM	39	C1'	DG	2	-2.610	-7.123	-15.300	1.00	0.00
ATOM	40	H1'	DG	2	-2.185	-7.633	-16.165	1.00	0.00
ATOM	41	N9	DG	2	-1.938	-5.825	-15.300	1.00	0.00
ATOM	42	C8	DG	2	-0.580	-5.605	-15.300	1.00	0.00
ATOM	43	H8	DG	2	0.136	-6.414	-15.298	1.00	0.00
ATOM	44	N7	DG	2	-0.290	-4.296	-15.300	1.00	0.00
ATOM	45	C5	DG	2	-1.503	-3.709	-15.300	1.00	0.00
ATOM	46	C6	DG	2	-1.849	-2.349	-15.300	1.00	0.00
ATOM	47	O6	DG	2	-1.099	-1.370	-15.300	1.00	0.00
ATOM	48	N1	DG	2	-3.210	-2.169	-15.300	1.00	0.00
ATOM	49	H1	DG	2	-3.516	-1.217	-15.300	1.00	0.00
ATOM	50	C2	DG	2	-4.169	-3.135	-15.300	1.00	0.00
ATOM	51	N2	DG	2	-5.449	-2.751	-15.300	1.00	0.00
ATOM	52	H21	DG	2	-5.799	-1.804	-15.288	1.00	0.00
ATOM	53	H22	DG	2	-6.141	-3.487	-15.291	1.00	0.00
ATOM	54	N3	DG	2	-3.850	-4.427	-15.300	1.00	0.00
ATOM	55	C4	DG	2	-2.527	-4.627	-15.300	1.00	0.00
ATOM	56	C3'	DG	2	-3.726	-7.845	-13.356	1.00	0.00
ATOM	57	H3'	DG	2	-3.902	-6.882	-12.877	1.00	0.00

ATOM	58	C2'	DG	2	-2.358	-7.845	-13.998	1.00	0.00
ATOM	59	H2'	DG	2	-1.594	-7.930	-13.226	1.00	0.00
ATOM	60	H2''	DG	2	-2.277	-8.689	-14.683	1.00	0.00
ATOM	61	O3'	DG	2	-3.792	-8.898	-12.372	1.00	0.00
ATOM	62	P	DC	3	-2.967	-10.287	-12.439	1.00	0.00
ATOM	63	OP1	DC	3	-3.371	-11.125	-11.293	1.00	0.00
ATOM	64	OP2	DC	3	-3.204	-10.896	-13.769	1.00	0.00
ATOM	65	O5'	DC	3	-1.375	-9.972	-12.292	1.00	0.00
ATOM	66	C5'	DC	3	-0.753	-9.631	-11.037	1.00	0.00
ATOM	67	H5'	DC	3	-0.819	-10.437	-10.306	1.00	0.00
ATOM	68	H5''	DC	3	-1.291	-8.801	-10.578	1.00	0.00
ATOM	69	C4'	DC	3	0.712	-9.208	-11.190	1.00	0.00
ATOM	70	H4'	DC	3	1.311	-9.969	-11.691	1.00	0.00
ATOM	71	O4'	DC	3	0.712	-8.090	-12.102	1.00	0.00
ATOM	72	C1'	DC	3	1.899	-7.344	-11.900	1.00	0.00
ATOM	73	H1'	DC	3	2.537	-7.522	-12.766	1.00	0.00
ATOM	74	N1	DC	3	1.714	-5.895	-11.900	1.00	0.00
ATOM	75	C6	DC	3	2.840	-5.119	-11.900	1.00	0.00
ATOM	76	H6	DC	3	3.819	-5.575	-11.900	1.00	0.00
ATOM	77	C5	DC	3	2.743	-3.746	-11.900	1.00	0.00
ATOM	78	H5	DC	3	3.638	-3.124	-11.900	1.00	0.00
ATOM	79	C4	DC	3	1.467	-3.227	-11.900	1.00	0.00
ATOM	80	N4	DC	3	1.271	-1.916	-11.900	1.00	0.00
ATOM	81	H41	DC	3	0.317	-1.584	-11.900	1.00	0.00
ATOM	82	H42	DC	3	2.058	-1.284	-11.900	1.00	0.00
ATOM	83	N3	DC	3	0.364	-4.021	-11.900	1.00	0.00
ATOM	84	C2	DC	3	0.475	-5.373	-11.900	1.00	0.00
ATOM	85	O2	DC	3	-0.514	-6.097	-11.900	1.00	0.00
ATOM	86	C3'	DC	3	1.391	-8.573	-9.956	1.00	0.00
ATOM	87	H3'	DC	3	0.699	-7.881	-9.477	1.00	0.00
ATOM	88	C2'	DC	3	2.516	-7.796	-10.598	1.00	0.00
ATOM	89	H2'	DC	3	3.194	-7.433	-9.826	1.00	0.00
ATOM	90	H2''	DC	3	3.061	-8.445	-11.284	1.00	0.00
ATOM	91	O3'	DC	3	1.935	-9.477	-8.972	1.00	0.00
ATOM	92	P	DG	4	3.403	-10.151	-9.039	1.00	0.00
ATOM	93	OP1	DG	4	3.547	-11.071	-7.893	1.00	0.00
ATOM	94	OP2	DG	4	3.553	-10.787	-10.369	1.00	0.00
ATOM	95	O5'	DG	4	4.534	-8.987	-8.892	1.00	0.00
ATOM	96	C5'	DG	4	4.852	-8.353	-7.637	1.00	0.00
ATOM	97	H5'	DG	4	5.255	-9.053	-6.905	1.00	0.00
ATOM	98	H5''	DG	4	3.938	-7.975	-7.178	1.00	0.00
ATOM	99	C4'	DG	4	5.818	-7.173	-7.790	1.00	0.00
ATOM	100	H4'	DG	4	6.743	-7.458	-8.291	1.00	0.00
ATOM	101	O4'	DG	4	5.182	-6.253	-8.702	1.00	0.00
ATOM	102	C1'	DG	4	5.735	-4.965	-8.500	1.00	0.00
ATOM	103	H1'	DG	4	6.363	-4.749	-9.365	1.00	0.00
ATOM	104	N9	DG	4	4.760	-3.877	-8.500	1.00	0.00
ATOM	105	C8	DG	4	5.035	-2.529	-8.500	1.00	0.00
ATOM	106	H8	DG	4	6.045	-2.147	-8.498	1.00	0.00
ATOM	107	N7	DG	4	3.915	-1.794	-8.500	1.00	0.00
ATOM	108	C5	DG	4	2.935	-2.720	-8.500	1.00	0.00
ATOM	109	C6	DG	4	1.541	-2.561	-8.500	1.00	0.00
ATOM	110	O6	DG	4	0.891	-1.513	-8.500	1.00	0.00
ATOM	111	N1	DG	4	0.890	-3.770	-8.500	1.00	0.00
ATOM	112	H1	DG	4	-0.109	-3.718	-8.500	1.00	0.00
ATOM	113	C2	DG	4	1.453	-5.009	-8.500	1.00	0.00
ATOM	114	N2	DG	4	0.641	-6.070	-8.500	1.00	0.00
ATOM	115	H21	DG	4	-0.369	-6.063	-8.488	1.00	0.00
ATOM	116	H22	DG	4	1.084	-6.977	-8.491	1.00	0.00
ATOM	117	N3	DG	4	2.774	-5.170	-8.500	1.00	0.00

ATOM	118	C4	DG	4	3.431	-4.003	-8.500	1.00	0.00
ATOM	119	C3'	DG	4	6.015	-6.265	-6.556	1.00	0.00
ATOM	120	H3'	DG	4	5.052	-6.089	-6.077	1.00	0.00
ATOM	121	C2'	DG	4	6.500	-4.986	-7.198	1.00	0.00
ATOM	122	H2'	DG	4	6.851	-4.302	-6.426	1.00	0.00
ATOM	123	H2''	DG	4	7.317	-5.210	-7.883	1.00	0.00
ATOM	124	O3'	DG	4	6.976	-6.700	-5.572	1.00	0.00
ATOM	125	P	DA	5	8.567	-6.420	-5.639	1.00	0.00
ATOM	126	OP1	DA	5	9.208	-7.096	-4.493	1.00	0.00
ATOM	127	OP2	DA	5	9.052	-6.858	-6.969	1.00	0.00
ATOM	128	O5'	DA	5	8.837	-4.820	-5.492	1.00	0.00
ATOM	129	C5'	DA	5	8.739	-4.117	-4.237	1.00	0.00
ATOM	130	H5'	DA	5	9.469	-4.464	-3.506	1.00	0.00
ATOM	131	H5''	DA	5	7.773	-4.325	-3.778	1.00	0.00
ATOM	132	C4'	DA	5	8.863	-2.598	-4.390	1.00	0.00
ATOM	133	H4'	DA	5	9.786	-2.307	-4.891	1.00	0.00
ATOM	134	O4'	DA	5	7.817	-2.202	-5.302	1.00	0.00
ATOM	135	C1'	DA	5	7.541	-0.827	-5.100	1.00	0.00
ATOM	136	H1'	DA	5	7.935	-0.234	-5.926	1.00	0.00
ATOM	137	N9	DA	5	6.120	-0.487	-5.100	1.00	0.00
ATOM	138	C8	DA	5	5.482	0.722	-5.100	1.00	0.00
ATOM	139	H8	DA	5	6.026	1.654	-5.149	1.00	0.00
ATOM	140	N7	DA	5	4.145	0.587	-5.100	1.00	0.00
ATOM	141	C5	DA	5	3.943	-0.740	-5.100	1.00	0.00
ATOM	142	C6	DA	5	2.772	-1.510	-5.100	1.00	0.00
ATOM	143	N6	DA	5	1.546	-0.980	-5.100	1.00	0.00
ATOM	144	H61	DA	5	0.735	-1.582	-5.100	1.00	0.00
ATOM	145	H62	DA	5	1.430	0.023	-5.100	1.00	0.00
ATOM	146	N1	DA	5	2.931	-2.834	-5.100	1.00	0.00
ATOM	147	C2	DA	5	4.139	-3.395	-5.100	1.00	0.00
ATOM	148	H2	DA	5	4.271	-4.467	-5.100	1.00	0.00
ATOM	149	N3	DA	5	5.318	-2.772	-5.100	1.00	0.00
ATOM	150	C4	DA	5	5.134	-1.434	-5.100	1.00	0.00
ATOM	151	C3'	DA	5	8.509	-1.738	-3.156	1.00	0.00
ATOM	152	H3'	DA	5	7.616	-2.140	-2.677	1.00	0.00
ATOM	153	C2'	DA	5	8.182	-0.410	-3.798	1.00	0.00
ATOM	154	H2'	DA	5	8.082	0.353	-3.026	1.00	0.00
ATOM	155	H2''	DA	5	8.982	-0.130	-4.483	1.00	0.00
ATOM	156	O3'	DA	5	9.547	-1.550	-2.172	1.00	0.00
ATOM	157	P	DA	6	10.698	-0.416	-2.239	1.00	0.00
ATOM	158	OP1	DA	6	11.609	-0.608	-1.093	1.00	0.00
ATOM	159	OP2	DA	6	11.346	-0.501	-3.569	1.00	0.00
ATOM	160	O5'	DA	6	10.011	1.054	-2.092	1.00	0.00
ATOM	161	C5'	DA	6	9.531	1.576	-0.837	1.00	0.00
ATOM	162	H5'	DA	6	10.328	1.704	-0.105	1.00	0.00
ATOM	163	H5''	DA	6	8.854	0.856	-0.379	1.00	0.00
ATOM	164	C4'	DA	6	8.770	2.898	-0.990	1.00	0.00
ATOM	165	H4'	DA	6	9.364	3.662	-1.491	1.00	0.00
ATOM	166	O4'	DA	6	7.684	2.629	-1.902	1.00	0.00
ATOM	167	C1'	DA	6	6.676	3.603	-1.700	1.00	0.00
ATOM	168	H1'	DA	6	6.664	4.315	-2.526	1.00	0.00
ATOM	169	N9	DA	6	5.313	3.076	-1.700	1.00	0.00
ATOM	170	C8	DA	6	4.101	3.708	-1.700	1.00	0.00
ATOM	171	H8	DA	6	4.020	4.784	-1.749	1.00	0.00
ATOM	172	N7	DA	6	3.077	2.838	-1.700	1.00	0.00
ATOM	173	C5	DA	6	3.665	1.631	-1.700	1.00	0.00
ATOM	174	C6	DA	6	3.139	0.332	-1.700	1.00	0.00
ATOM	175	N6	DA	6	1.830	0.072	-1.700	1.00	0.00
ATOM	176	H61	DA	6	1.505	-0.884	-1.700	1.00	0.00
ATOM	177	H62	DA	6	1.164	0.832	-1.700	1.00	0.00

ATOM	178	N1	DA	6	4.022	-0.667	-1.700	1.00	0.00
ATOM	179	C2	DA	6	5.335	-0.442	-1.700	1.00	0.00
ATOM	180	H2	DA	6	6.053	-1.249	-1.700	1.00	0.00
ATOM	181	N3	DA	6	5.951	0.740	-1.700	1.00	0.00
ATOM	182	C4	DA	6	5.040	1.737	-1.700	1.00	0.00
ATOM	183	C3'	DA	6	7.990	3.404	0.244	1.00	0.00
ATOM	184	H3'	DA	6	7.484	2.566	0.723	1.00	0.00
ATOM	185	C2'	DA	6	6.966	4.311	-0.398	1.00	0.00
ATOM	186	H2'	DA	6	6.450	4.882	0.374	1.00	0.00
ATOM	187	H2''	DA	6	7.465	4.996	-1.083	1.00	0.00
ATOM	188	O3'	DA	6	8.737	4.148	1.228	1.00	0.00
ATOM	189	P	DT	7	9.040	5.735	1.161	1.00	0.00
ATOM	190	OP1	DT	7	9.899	6.095	2.307	1.00	0.00
ATOM	191	OP2	DT	7	9.622	6.034	-0.169	1.00	0.00
ATOM	192	O5'	DT	7	7.640	6.555	1.308	1.00	0.00
ATOM	193	C5'	DT	7	6.948	6.712	2.563	1.00	0.00
ATOM	194	H5'	DT	7	7.531	7.271	3.295	1.00	0.00
ATOM	195	H5''	DT	7	6.800	5.734	3.022	1.00	0.00
ATOM	196	C4'	DT	7	5.571	7.367	2.410	1.00	0.00
ATOM	197	H4'	DT	7	5.627	8.333	1.909	1.00	0.00
ATOM	198	O4'	DT	7	4.830	6.529	1.498	1.00	0.00
ATOM	199	C1'	DT	7	3.447	6.758	1.700	1.00	0.00
ATOM	200	H1'	DT	7	3.045	7.329	0.863	1.00	0.00
ATOM	201	N1	DT	7	2.624	5.550	1.700	1.00	0.00
ATOM	202	C6	DT	7	1.306	5.840	1.700	1.00	0.00
ATOM	203	H6	DT	7	0.978	6.868	1.656	1.00	0.00
ATOM	204	C5	DT	7	0.363	4.849	1.700	1.00	0.00
ATOM	205	C7	DT	7	-1.082	5.286	1.700	1.00	0.00
ATOM	206	H71	DT	7	-1.282	5.883	0.810	1.00	0.00
ATOM	207	H72	DT	7	-1.728	4.408	1.700	1.00	0.00
ATOM	208	H73	DT	7	-1.282	5.883	2.590	1.00	0.00
ATOM	209	C4	DT	7	0.774	3.523	1.700	1.00	0.00
ATOM	210	O4	DT	7	0.012	2.565	1.700	1.00	0.00
ATOM	211	N3	DT	7	2.104	3.313	1.700	1.00	0.00
ATOM	212	H3	DT	7	2.454	2.281	1.700	1.00	0.00
ATOM	213	C2	DT	7	3.041	4.267	1.700	1.00	0.00
ATOM	214	O2	DT	7	4.234	3.983	1.700	1.00	0.00
ATOM	215	C3'	DT	7	4.641	7.341	3.644	1.00	0.00
ATOM	216	H3'	DT	7	4.700	6.364	4.123	1.00	0.00
ATOM	217	C2'	DT	7	3.284	7.505	3.002	1.00	0.00
ATOM	218	H2'	DT	7	2.535	7.682	3.774	1.00	0.00
ATOM	219	H2''	DT	7	3.306	8.352	2.317	1.00	0.00
ATOM	220	O3'	DT	7	4.833	8.378	4.628	1.00	0.00
ATOM	221	P	DT	8	4.181	9.856	4.561	1.00	0.00
ATOM	222	OP1	DT	8	4.683	10.640	5.707	1.00	0.00
ATOM	223	OP2	DT	8	4.490	10.432	3.231	1.00	0.00
ATOM	224	O5'	DT	8	2.563	9.734	4.708	1.00	0.00
ATOM	225	C5'	DT	8	1.904	9.470	5.963	1.00	0.00
ATOM	226	H5'	DT	8	2.067	10.262	6.694	1.00	0.00
ATOM	227	H5''	DT	8	2.337	8.581	6.422	1.00	0.00
ATOM	228	C4'	DT	8	0.399	9.227	5.810	1.00	0.00
ATOM	229	H4'	DT	8	-0.104	10.054	5.309	1.00	0.00
ATOM	230	O4'	DT	8	0.265	8.117	4.898	1.00	0.00
ATOM	231	C1'	DT	8	-1.003	7.519	5.100	1.00	0.00
ATOM	232	H1'	DT	8	-1.659	7.760	4.263	1.00	0.00
ATOM	233	N1	DT	8	-0.993	6.058	5.100	1.00	0.00
ATOM	234	C6	DT	8	-2.243	5.548	5.100	1.00	0.00
ATOM	235	H6	DT	8	-3.097	6.208	5.056	1.00	0.00
ATOM	236	C5	DT	8	-2.456	4.197	5.100	1.00	0.00
ATOM	237	C7	DT	8	-3.894	3.736	5.100	1.00	0.00

ATOM	238	H71	DT	8	-4.397	4.114	4.210	1.00	0.00
ATOM	239	H72	DT	8	-3.927	2.646	5.100	1.00	0.00
ATOM	240	H73	DT	8	-4.397	4.114	5.990	1.00	0.00
ATOM	241	C4	DT	8	-1.365	3.339	5.100	1.00	0.00
ATOM	242	O4	DT	8	-1.448	2.117	5.100	1.00	0.00
ATOM	243	N3	DT	8	-0.151	3.922	5.100	1.00	0.00
ATOM	244	H3	DT	8	0.724	3.272	5.100	1.00	0.00
ATOM	245	C2	DT	8	0.078	5.239	5.100	1.00	0.00
ATOM	246	O2	DT	8	1.222	5.683	5.100	1.00	0.00
ATOM	247	C3'	DT	8	-0.351	8.678	7.044	1.00	0.00
ATOM	248	H3'	DT	8	0.253	7.907	7.523	1.00	0.00
ATOM	249	C2'	DT	8	-1.562	8.042	6.402	1.00	0.00
ATOM	250	H2'	DT	8	-2.279	7.763	7.174	1.00	0.00
ATOM	251	H2''	DT	8	-2.025	8.751	5.716	1.00	0.00
ATOM	252	O3'	DT	8	-0.782	9.640	8.028	1.00	0.00
ATOM	253	P	DC	9	-2.159	10.486	7.961	1.00	0.00
ATOM	254	OP1	DC	9	-2.191	11.417	9.107	1.00	0.00
ATOM	255	OP2	DC	9	-2.231	11.136	6.631	1.00	0.00
ATOM	256	O5'	DC	9	-3.421	9.467	8.108	1.00	0.00
ATOM	257	C5'	DC	9	-3.813	8.875	9.363	1.00	0.00
ATOM	258	H5'	DC	9	-4.128	9.618	10.095	1.00	0.00
ATOM	259	H5''	DC	9	-2.951	8.389	9.821	1.00	0.00
ATOM	260	C4'	DC	9	-4.914	7.820	9.210	1.00	0.00
ATOM	261	H4'	DC	9	-5.798	8.214	8.709	1.00	0.00
ATOM	262	O4'	DC	9	-4.393	6.830	8.298	1.00	0.00
ATOM	263	C1'	DC	9	-5.097	5.618	8.500	1.00	0.00
ATOM	264	H1'	DC	9	-5.745	5.479	7.634	1.00	0.00
ATOM	265	N1	DC	9	-4.259	4.421	8.500	1.00	0.00
ATOM	266	C6	DC	9	-4.895	3.210	8.500	1.00	0.00
ATOM	267	H6	DC	9	-5.974	3.158	8.500	1.00	0.00
ATOM	268	C5	DC	9	-4.171	2.040	8.500	1.00	0.00
ATOM	269	H5	DC	9	-4.675	1.073	8.500	1.00	0.00
ATOM	270	C4	DC	9	-2.800	2.174	8.500	1.00	0.00
ATOM	271	N4	DC	9	-2.016	1.105	8.500	1.00	0.00
ATOM	272	H41	DC	9	-1.017	1.255	8.500	1.00	0.00
ATOM	273	H42	DC	9	-2.418	0.179	8.500	1.00	0.00
ATOM	274	N3	DC	9	-2.192	3.390	8.500	1.00	0.00
ATOM	275	C2	DC	9	-2.919	4.536	8.500	1.00	0.00
ATOM	276	O2	DC	9	-2.381	5.637	8.500	1.00	0.00
ATOM	277	C3'	DC	9	-5.219	6.942	10.444	1.00	0.00
ATOM	278	H3'	DC	9	-4.284	6.651	10.923	1.00	0.00
ATOM	279	C2'	DC	9	-5.854	5.731	9.802	1.00	0.00
ATOM	280	H2'	DC	9	-6.285	5.094	10.574	1.00	0.00
ATOM	281	H2''	DC	9	-6.638	6.052	9.117	1.00	0.00
ATOM	282	O3'	DC	9	-6.121	7.489	11.428	1.00	0.00
ATOM	283	P	DG	10	-7.734	7.403	11.361	1.00	0.00
ATOM	284	OP1	DG	10	-8.289	8.151	12.507	1.00	0.00
ATOM	285	OP2	DG	10	-8.163	7.896	10.031	1.00	0.00
ATOM	286	O5'	DG	10	-8.194	5.847	11.508	1.00	0.00
ATOM	287	C5'	DG	10	-8.181	5.137	12.763	1.00	0.00
ATOM	288	H5'	DG	10	-8.863	5.569	13.495	1.00	0.00
ATOM	289	H5''	DG	10	-7.196	5.227	13.222	1.00	0.00
ATOM	290	C4'	DG	10	-8.487	3.644	12.610	1.00	0.00
ATOM	291	H4'	DG	10	-9.439	3.466	12.109	1.00	0.00
ATOM	292	O4'	DG	10	-7.496	3.125	11.698	1.00	0.00
ATOM	293	C1'	DG	10	-7.387	1.727	11.900	1.00	0.00
ATOM	294	H1'	DG	10	-7.842	1.244	11.035	1.00	0.00
ATOM	295	N9	DG	10	-6.017	1.218	11.900	1.00	0.00
ATOM	296	C8	DG	10	-5.634	-0.103	11.900	1.00	0.00
ATOM	297	H8	DG	10	-6.351	-0.911	11.902	1.00	0.00

ATOM	298	N7	DG	10	-4.300	-0.233	11.900	1.00	0.00
ATOM	299	C5	DG	10	-3.864	1.042	11.900	1.00	0.00
ATOM	300	C6	DG	10	-2.555	1.550	11.900	1.00	0.00
ATOM	301	O6	DG	10	-1.493	0.925	11.900	1.00	0.00
ATOM	302	N1	DG	10	-2.542	2.924	11.900	1.00	0.00
ATOM	303	H1	DG	10	-1.634	3.343	11.900	1.00	0.00
ATOM	304	C2	DG	10	-3.617	3.758	11.900	1.00	0.00
ATOM	305	N2	DG	10	-3.391	5.075	11.900	1.00	0.00
ATOM	306	H21	DG	10	-2.493	5.538	11.912	1.00	0.00
ATOM	307	H22	DG	10	-4.205	5.672	11.909	1.00	0.00
ATOM	308	N3	DG	10	-4.861	3.286	11.900	1.00	0.00
ATOM	309	C4	DG	10	-4.899	1.948	11.900	1.00	0.00
ATOM	310	C3'	DG	10	-8.239	2.748	13.844	1.00	0.00
ATOM	311	H3'	DG	10	-7.305	3.040	14.323	1.00	0.00
ATOM	312	C2'	DG	10	-8.073	1.390	13.202	1.00	0.00
ATOM	313	H2'	DG	10	-8.065	0.621	13.974	1.00	0.00
ATOM	314	H2''	DG	10	-8.901	1.208	12.517	1.00	0.00
ATOM	315	O3'	DG	10	-9.292	2.686	14.828	1.00	0.00
ATOM	316	P	DC	11	-10.570	1.698	14.761	1.00	0.00
ATOM	317	OP1	DC	11	-11.452	1.998	15.907	1.00	0.00
ATOM	318	OP2	DC	11	-11.204	1.861	13.431	1.00	0.00
ATOM	319	O5'	DC	11	-10.065	0.157	14.908	1.00	0.00
ATOM	320	C5'	DC	11	-9.651	-0.420	16.163	1.00	0.00
ATOM	321	H5'	DC	11	-10.459	-0.452	16.894	1.00	0.00
ATOM	322	H5''	DC	11	-8.892	0.214	16.622	1.00	0.00
ATOM	323	C4'	DC	11	-9.054	-1.823	16.010	1.00	0.00
ATOM	324	H4'	DC	11	-9.736	-2.510	15.509	1.00	0.00
ATOM	325	O4'	DC	11	-7.944	-1.687	15.098	1.00	0.00
ATOM	326	C1'	DC	11	-7.060	-2.775	15.300	1.00	0.00
ATOM	327	H1'	DC	11	-7.160	-3.430	14.434	1.00	0.00
ATOM	328	N1	DC	11	-5.644	-2.416	15.300	1.00	0.00
ATOM	329	C6	DC	11	-4.737	-3.439	15.300	1.00	0.00
ATOM	330	H6	DC	11	-5.071	-4.466	15.300	1.00	0.00
ATOM	331	C5	DC	11	-3.386	-3.177	15.300	1.00	0.00
ATOM	332	H5	DC	11	-2.661	-3.991	15.300	1.00	0.00
ATOM	333	C4	DC	11	-3.025	-1.848	15.300	1.00	0.00
ATOM	334	N4	DC	11	-1.748	-1.494	15.300	1.00	0.00
ATOM	335	H41	DC	11	-1.534	-0.507	15.300	1.00	0.00
ATOM	336	H42	DC	11	-1.024	-2.199	15.300	1.00	0.00
ATOM	337	N3	DC	11	-3.947	-0.849	15.300	1.00	0.00
ATOM	338	C2	DC	11	-5.276	-1.122	15.300	1.00	0.00
ATOM	339	O2	DC	11	-6.115	-0.228	15.300	1.00	0.00
ATOM	340	C3'	DC	11	-8.341	-2.420	17.244	1.00	0.00
ATOM	341	H3'	DC	11	-7.737	-1.649	17.723	1.00	0.00
ATOM	342	C2'	DC	11	-7.434	-3.443	16.602	1.00	0.00
ATOM	343	H2'	DC	11	-6.991	-4.072	17.374	1.00	0.00
ATOM	344	H2''	DC	11	-8.012	-4.062	15.916	1.00	0.00
ATOM	345	O3'	DC	11	-9.172	-3.069	18.228	1.00	0.00
ATOM	346	P	DG3	12	-9.664	-4.608	18.161	1.00	0.00
ATOM	347	OP1	DG3	12	-10.559	-4.862	19.307	1.00	0.00
ATOM	348	OP2	DG3	12	-10.277	-4.834	16.831	1.00	0.00
ATOM	349	O5'	DG3	12	-8.372	-5.589	18.308	1.00	0.00
ATOM	350	C5'	DG3	12	-7.704	-5.828	19.563	1.00	0.00
ATOM	351	H5'	DG3	12	-8.351	-6.313	20.294	1.00	0.00
ATOM	352	H5''	DG3	12	-7.440	-4.875	20.022	1.00	0.00
ATOM	353	C4'	DG3	12	-6.415	-6.644	19.410	1.00	0.00
ATOM	354	H4'	DG3	12	-6.586	-7.597	18.909	1.00	0.00
ATOM	355	O4'	DG3	12	-5.579	-5.901	18.498	1.00	0.00
ATOM	356	C1'	DG3	12	-4.233	-6.295	18.700	1.00	0.00
ATOM	357	H1'	DG3	12	-3.942	-6.891	17.835	1.00	0.00

ATOM	358	N9	DG3	12	-3.272	-5.194	18.700	1.00	0.00
ATOM	359	C8	DG3	12	-1.901	-5.305	18.700	1.00	0.00
ATOM	360	H8	DG3	12	-1.400	-6.262	18.702	1.00	0.00
ATOM	361	N7	DG3	12	-1.306	-4.103	18.700	1.00	0.00
ATOM	362	C5	DG3	12	-2.344	-3.243	18.700	1.00	0.00
ATOM	363	C6	DG3	12	-2.356	-1.840	18.700	1.00	0.00
ATOM	364	O6	DG3	12	-1.394	-1.068	18.700	1.00	0.00
ATOM	365	N1	DG3	12	-3.635	-1.340	18.700	1.00	0.00
ATOM	366	H1	DG3	12	-3.706	-0.342	18.700	1.00	0.00
ATOM	367	C2	DG3	12	-4.796	-2.050	18.700	1.00	0.00
ATOM	368	N2	DG3	12	-5.948	-1.372	18.700	1.00	0.00
ATOM	369	H21	DG3	12	-6.063	-0.369	18.712	1.00	0.00
ATOM	370	H22	DG3	12	-6.795	-1.922	18.709	1.00	0.00
ATOM	371	N3	DG3	12	-4.795	-3.380	18.700	1.00	0.00
ATOM	372	C4	DG3	12	-3.558	-3.891	18.700	1.00	0.00
ATOM	373	C3'	DG3	12	-5.490	-6.730	20.644	1.00	0.00
ATOM	374	H3'	DG3	12	-5.432	-5.753	21.123	1.00	0.00
ATOM	375	C2'	DG3	12	-4.162	-7.056	20.002	1.00	0.00
ATOM	376	H2'	DG3	12	-3.440	-7.322	20.774	1.00	0.00
ATOM	377	H2''	DG3	12	-4.285	-7.894	19.316	1.00	0.00
ATOM	378	O3'	DG3	12	-5.805	-7.736	21.628	1.00	0.00
ATOM	379	HO3'	DG3	12	-5.212	-7.764	22.383	1.00	0.00
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ATOM	380	HO5'	DC5	13	-10.397	1.488	19.095	1.00	0.00
ATOM	381	O5'	DC5	13	-9.812	2.249	19.092	1.00	0.00
ATOM	382	C5'	DC5	13	-9.272	2.710	17.837	1.00	0.00
ATOM	383	H5'	DC5	13	-10.048	2.933	17.105	1.00	0.00
ATOM	384	H5''	DC5	13	-8.682	1.861	17.492	1.00	0.00
ATOM	385	C4'	DC5	13	-8.358	3.930	17.990	1.00	0.00
ATOM	386	H4'	DC5	13	-8.857	4.760	18.491	1.00	0.00
ATOM	387	O4'	DC5	13	-7.312	3.533	18.902	1.00	0.00
ATOM	388	C1'	DC5	13	-6.194	4.379	18.700	1.00	0.00
ATOM	389	H1'	DC5	13	-6.134	5.039	19.566	1.00	0.00
ATOM	390	N1	DC5	13	-4.905	3.692	18.700	1.00	0.00
ATOM	391	C6	DC5	13	-3.780	4.470	18.700	1.00	0.00
ATOM	392	H6	DC5	13	-3.860	5.547	18.700	1.00	0.00
ATOM	393	C5	DC5	13	-2.530	3.893	18.700	1.00	0.00
ATOM	394	H5	DC5	13	-1.631	4.510	18.700	1.00	0.00
ATOM	395	C4	DC5	13	-2.497	2.516	18.700	1.00	0.00
ATOM	396	N4	DC5	13	-1.341	1.867	18.700	1.00	0.00
ATOM	397	H41	DC5	13	-1.369	0.857	18.700	1.00	0.00
ATOM	398	H42	DC5	13	-0.470	2.378	18.700	1.00	0.00
ATOM	399	N3	DC5	13	-3.630	1.765	18.700	1.00	0.00
ATOM	400	C2	DC5	13	-4.856	2.348	18.700	1.00	0.00
ATOM	401	O2	DC5	13	-5.884	1.680	18.700	1.00	0.00
ATOM	402	C3'	DC5	13	-7.523	4.339	16.756	1.00	0.00
ATOM	403	H3'	DC5	13	-7.121	3.447	16.276	1.00	0.00
ATOM	404	C2'	DC5	13	-6.398	5.116	17.398	1.00	0.00
ATOM	405	H2'	DC5	13	-5.817	5.621	16.626	1.00	0.00
ATOM	406	H2''	DC5	13	-6.812	5.856	18.083	1.00	0.00
ATOM	407	O3'	DC5	13	-8.176	5.168	15.772	1.00	0.00
ATOM	408	P	DG	14	-8.286	6.780	15.839	1.00	0.00
ATOM	409	OP1	DG	14	-9.095	7.240	14.693	1.00	0.00
ATOM	410	OP2	DG	14	-8.827	7.146	17.169	1.00	0.00
ATOM	411	O5'	DG	14	-6.797	7.425	15.692	1.00	0.00
ATOM	412	C5'	DG	14	-6.091	7.498	14.437	1.00	0.00
ATOM	413	H5'	DG	14	-6.603	8.123	13.705	1.00	0.00
ATOM	414	H5''	DG	14	-6.061	6.510	13.978	1.00	0.00
ATOM	415	C4'	DG	14	-4.645	7.983	14.590	1.00	0.00
ATOM	416	H4'	DG	14	-4.583	8.949	15.091	1.00	0.00

ATOM	417	O4'	DG	14	-4.010	7.062	15.502	1.00	0.00
ATOM	418	C1'	DG	14	-2.610	7.123	15.300	1.00	0.00
ATOM	419	H1'	DG	14	-2.185	7.633	16.165	1.00	0.00
ATOM	420	N9	DG	14	-1.938	5.825	15.300	1.00	0.00
ATOM	421	C8	DG	14	-0.580	5.605	15.300	1.00	0.00
ATOM	422	H8	DG	14	0.136	6.414	15.298	1.00	0.00
ATOM	423	N7	DG	14	-0.290	4.296	15.300	1.00	0.00
ATOM	424	C5	DG	14	-1.503	3.709	15.300	1.00	0.00
ATOM	425	C6	DG	14	-1.849	2.349	15.300	1.00	0.00
ATOM	426	O6	DG	14	-1.099	1.370	15.300	1.00	0.00
ATOM	427	N1	DG	14	-3.210	2.169	15.300	1.00	0.00
ATOM	428	H1	DG	14	-3.516	1.217	15.300	1.00	0.00
ATOM	429	C2	DG	14	-4.169	3.135	15.300	1.00	0.00
ATOM	430	N2	DG	14	-5.449	2.751	15.300	1.00	0.00
ATOM	431	H21	DG	14	-5.799	1.804	15.288	1.00	0.00
ATOM	432	H22	DG	14	-6.141	3.487	15.291	1.00	0.00
ATOM	433	N3	DG	14	-3.850	4.427	15.300	1.00	0.00
ATOM	434	C4	DG	14	-2.527	4.627	15.300	1.00	0.00
ATOM	435	C3'	DG	14	-3.726	7.845	13.356	1.00	0.00
ATOM	436	H3'	DG	14	-3.902	6.882	12.877	1.00	0.00
ATOM	437	C2'	DG	14	-2.358	7.845	13.998	1.00	0.00
ATOM	438	H2'	DG	14	-1.594	7.930	13.226	1.00	0.00
ATOM	439	H2''	DG	14	-2.277	8.689	14.683	1.00	0.00
ATOM	440	O3'	DG	14	-3.792	8.898	12.372	1.00	0.00
ATOM	441	P	DC	15	-2.967	10.287	12.439	1.00	0.00
ATOM	442	OP1	DC	15	-3.371	11.125	11.293	1.00	0.00
ATOM	443	OP2	DC	15	-3.204	10.896	13.769	1.00	0.00
ATOM	444	O5'	DC	15	-1.375	9.972	12.292	1.00	0.00
ATOM	445	C5'	DC	15	-0.753	9.631	11.037	1.00	0.00
ATOM	446	H5'	DC	15	-0.819	10.437	10.306	1.00	0.00
ATOM	447	H5''	DC	15	-1.291	8.801	10.578	1.00	0.00
ATOM	448	C4'	DC	15	0.712	9.208	11.190	1.00	0.00
ATOM	449	H4'	DC	15	1.311	9.969	11.691	1.00	0.00
ATOM	450	O4'	DC	15	0.712	8.090	12.102	1.00	0.00
ATOM	451	C1'	DC	15	1.899	7.344	11.900	1.00	0.00
ATOM	452	H1'	DC	15	2.537	7.522	12.766	1.00	0.00
ATOM	453	N1	DC	15	1.714	5.895	11.900	1.00	0.00
ATOM	454	C6	DC	15	2.840	5.119	11.900	1.00	0.00
ATOM	455	H6	DC	15	3.819	5.575	11.900	1.00	0.00
ATOM	456	C5	DC	15	2.743	3.746	11.900	1.00	0.00
ATOM	457	H5	DC	15	3.638	3.124	11.900	1.00	0.00
ATOM	458	C4	DC	15	1.467	3.227	11.900	1.00	0.00
ATOM	459	N4	DC	15	1.271	1.916	11.900	1.00	0.00
ATOM	460	H41	DC	15	0.317	1.584	11.900	1.00	0.00
ATOM	461	H42	DC	15	2.058	1.284	11.900	1.00	0.00
ATOM	462	N3	DC	15	0.364	4.021	11.900	1.00	0.00
ATOM	463	C2	DC	15	0.475	5.373	11.900	1.00	0.00
ATOM	464	O2	DC	15	-0.514	6.097	11.900	1.00	0.00
ATOM	465	C3'	DC	15	1.391	8.573	9.956	1.00	0.00
ATOM	466	H3'	DC	15	0.699	7.881	9.477	1.00	0.00
ATOM	467	C2'	DC	15	2.516	7.796	10.598	1.00	0.00
ATOM	468	H2'	DC	15	3.194	7.433	9.826	1.00	0.00
ATOM	469	H2''	DC	15	3.061	8.445	11.284	1.00	0.00
ATOM	470	O3'	DC	15	1.935	9.477	8.972	1.00	0.00
ATOM	471	P	DG	16	3.403	10.151	9.039	1.00	0.00
ATOM	472	OP1	DG	16	3.547	11.071	7.893	1.00	0.00
ATOM	473	OP2	DG	16	3.553	10.787	10.369	1.00	0.00
ATOM	474	O5'	DG	16	4.534	8.987	8.892	1.00	0.00
ATOM	475	C5'	DG	16	4.852	8.353	7.637	1.00	0.00
ATOM	476	H5'	DG	16	5.255	9.053	6.905	1.00	0.00

ATOM	477	H5 ' '	DG	16	3.938	7.975	7.178	1.00	0.00
ATOM	478	C4'	DG	16	5.818	7.173	7.790	1.00	0.00
ATOM	479	H4'	DG	16	6.743	7.458	8.291	1.00	0.00
ATOM	480	O4'	DG	16	5.182	6.253	8.702	1.00	0.00
ATOM	481	C1'	DG	16	5.735	4.965	8.500	1.00	0.00
ATOM	482	H1'	DG	16	6.363	4.749	9.365	1.00	0.00
ATOM	483	N9	DG	16	4.760	3.877	8.500	1.00	0.00
ATOM	484	C8	DG	16	5.035	2.529	8.500	1.00	0.00
ATOM	485	H8	DG	16	6.045	2.147	8.498	1.00	0.00
ATOM	486	N7	DG	16	3.915	1.794	8.500	1.00	0.00
ATOM	487	C5	DG	16	2.935	2.720	8.500	1.00	0.00
ATOM	488	C6	DG	16	1.541	2.561	8.500	1.00	0.00
ATOM	489	O6	DG	16	0.891	1.513	8.500	1.00	0.00
ATOM	490	N1	DG	16	0.890	3.770	8.500	1.00	0.00
ATOM	491	H1	DG	16	-0.109	3.718	8.500	1.00	0.00
ATOM	492	C2	DG	16	1.453	5.009	8.500	1.00	0.00
ATOM	493	N2	DG	16	0.641	6.070	8.500	1.00	0.00
ATOM	494	H21	DG	16	-0.369	6.063	8.488	1.00	0.00
ATOM	495	H22	DG	16	1.084	6.977	8.491	1.00	0.00
ATOM	496	N3	DG	16	2.774	5.170	8.500	1.00	0.00
ATOM	497	C4	DG	16	3.431	4.003	8.500	1.00	0.00
ATOM	498	C3'	DG	16	6.015	6.265	6.556	1.00	0.00
ATOM	499	H3'	DG	16	5.052	6.089	6.077	1.00	0.00
ATOM	500	C2'	DG	16	6.500	4.986	7.198	1.00	0.00
ATOM	501	H2'	DG	16	6.851	4.302	6.426	1.00	0.00
ATOM	502	H2 ' '	DG	16	7.317	5.210	7.883	1.00	0.00
ATOM	503	O3'	DG	16	6.976	6.700	5.572	1.00	0.00
ATOM	504	P	DA	17	8.567	6.420	5.639	1.00	0.00
ATOM	505	OP1	DA	17	9.208	7.096	4.493	1.00	0.00
ATOM	506	OP2	DA	17	9.052	6.858	6.969	1.00	0.00
ATOM	507	O5'	DA	17	8.837	4.820	5.492	1.00	0.00
ATOM	508	C5'	DA	17	8.739	4.117	4.237	1.00	0.00
ATOM	509	H5'	DA	17	9.469	4.464	3.506	1.00	0.00
ATOM	510	H5 ' '	DA	17	7.773	4.325	3.778	1.00	0.00
ATOM	511	C4'	DA	17	8.863	2.598	4.390	1.00	0.00
ATOM	512	H4'	DA	17	9.786	2.307	4.891	1.00	0.00
ATOM	513	O4'	DA	17	7.817	2.202	5.302	1.00	0.00
ATOM	514	C1'	DA	17	7.541	0.827	5.100	1.00	0.00
ATOM	515	H1'	DA	17	7.935	0.234	5.926	1.00	0.00
ATOM	516	N9	DA	17	6.120	0.487	5.100	1.00	0.00
ATOM	517	C8	DA	17	5.482	-0.722	5.100	1.00	0.00
ATOM	518	H8	DA	17	6.026	-1.654	5.149	1.00	0.00
ATOM	519	N7	DA	17	4.145	-0.587	5.100	1.00	0.00
ATOM	520	C5	DA	17	3.943	0.740	5.100	1.00	0.00
ATOM	521	C6	DA	17	2.772	1.510	5.100	1.00	0.00
ATOM	522	N6	DA	17	1.546	0.980	5.100	1.00	0.00
ATOM	523	H61	DA	17	0.735	1.582	5.100	1.00	0.00
ATOM	524	H62	DA	17	1.430	-0.023	5.100	1.00	0.00
ATOM	525	N1	DA	17	2.931	2.834	5.100	1.00	0.00
ATOM	526	C2	DA	17	4.139	3.395	5.100	1.00	0.00
ATOM	527	H2	DA	17	4.271	4.467	5.100	1.00	0.00
ATOM	528	N3	DA	17	5.318	2.772	5.100	1.00	0.00
ATOM	529	C4	DA	17	5.134	1.434	5.100	1.00	0.00
ATOM	530	C3'	DA	17	8.509	1.738	3.156	1.00	0.00
ATOM	531	H3'	DA	17	7.616	2.140	2.677	1.00	0.00
ATOM	532	C2'	DA	17	8.182	0.410	3.798	1.00	0.00
ATOM	533	H2'	DA	17	8.082	-0.353	3.026	1.00	0.00
ATOM	534	H2 ' '	DA	17	8.982	0.130	4.483	1.00	0.00
ATOM	535	O3'	DA	17	9.547	1.550	2.172	1.00	0.00
ATOM	536	P	DA	18	10.698	0.416	2.239	1.00	0.00

ATOM	537	OP1	DA	18	11.609	0.608	1.093	1.00	0.00
ATOM	538	OP2	DA	18	11.346	0.501	3.569	1.00	0.00
ATOM	539	O5'	DA	18	10.011	-1.054	2.092	1.00	0.00
ATOM	540	C5'	DA	18	9.531	-1.576	0.837	1.00	0.00
ATOM	541	H5'	DA	18	10.328	-1.704	0.105	1.00	0.00
ATOM	542	H5''	DA	18	8.854	-0.856	0.379	1.00	0.00
ATOM	543	C4'	DA	18	8.770	-2.898	0.990	1.00	0.00
ATOM	544	H4'	DA	18	9.364	-3.662	1.491	1.00	0.00
ATOM	545	O4'	DA	18	7.684	-2.629	1.902	1.00	0.00
ATOM	546	C1'	DA	18	6.676	-3.603	1.700	1.00	0.00
ATOM	547	H1'	DA	18	6.664	-4.315	2.526	1.00	0.00
ATOM	548	N9	DA	18	5.313	-3.076	1.700	1.00	0.00
ATOM	549	C8	DA	18	4.101	-3.708	1.700	1.00	0.00
ATOM	550	H8	DA	18	4.020	-4.784	1.749	1.00	0.00
ATOM	551	N7	DA	18	3.077	-2.838	1.700	1.00	0.00
ATOM	552	C5	DA	18	3.665	-1.631	1.700	1.00	0.00
ATOM	553	C6	DA	18	3.139	-0.332	1.700	1.00	0.00
ATOM	554	N6	DA	18	1.830	-0.072	1.700	1.00	0.00
ATOM	555	H61	DA	18	1.505	0.884	1.700	1.00	0.00
ATOM	556	H62	DA	18	1.164	-0.832	1.700	1.00	0.00
ATOM	557	N1	DA	18	4.022	0.667	1.700	1.00	0.00
ATOM	558	C2	DA	18	5.335	0.442	1.700	1.00	0.00
ATOM	559	H2	DA	18	6.053	1.249	1.700	1.00	0.00
ATOM	560	N3	DA	18	5.951	-0.740	1.700	1.00	0.00
ATOM	561	C4	DA	18	5.040	-1.737	1.700	1.00	0.00
ATOM	562	C3'	DA	18	7.990	-3.404	-0.244	1.00	0.00
ATOM	563	H3'	DA	18	7.484	-2.566	-0.723	1.00	0.00
ATOM	564	C2'	DA	18	6.966	-4.311	0.398	1.00	0.00
ATOM	565	H2'	DA	18	6.450	-4.882	-0.374	1.00	0.00
ATOM	566	H2''	DA	18	7.465	-4.996	1.083	1.00	0.00
ATOM	567	O3'	DA	18	8.737	-4.148	-1.228	1.00	0.00
ATOM	568	P	DT	19	9.040	-5.735	-1.161	1.00	0.00
ATOM	569	OP1	DT	19	9.899	-6.095	-2.307	1.00	0.00
ATOM	570	OP2	DT	19	9.622	-6.034	0.169	1.00	0.00
ATOM	571	O5'	DT	19	7.640	-6.555	-1.308	1.00	0.00
ATOM	572	C5'	DT	19	6.948	-6.712	-2.563	1.00	0.00
ATOM	573	H5'	DT	19	7.531	-7.271	-3.295	1.00	0.00
ATOM	574	H5''	DT	19	6.800	-5.734	-3.022	1.00	0.00
ATOM	575	C4'	DT	19	5.571	-7.367	-2.410	1.00	0.00
ATOM	576	H4'	DT	19	5.627	-8.333	-1.909	1.00	0.00
ATOM	577	O4'	DT	19	4.830	-6.529	-1.498	1.00	0.00
ATOM	578	C1'	DT	19	3.447	-6.758	-1.700	1.00	0.00
ATOM	579	H1'	DT	19	3.045	-7.329	-0.863	1.00	0.00
ATOM	580	N1	DT	19	2.624	-5.550	-1.700	1.00	0.00
ATOM	581	C6	DT	19	1.306	-5.840	-1.700	1.00	0.00
ATOM	582	H6	DT	19	0.978	-6.868	-1.656	1.00	0.00
ATOM	583	C5	DT	19	0.363	-4.849	-1.700	1.00	0.00
ATOM	584	C7	DT	19	-1.082	-5.286	-1.700	1.00	0.00
ATOM	585	H71	DT	19	-1.282	-5.883	-0.810	1.00	0.00
ATOM	586	H72	DT	19	-1.728	-4.408	-1.700	1.00	0.00
ATOM	587	H73	DT	19	-1.282	-5.883	-2.590	1.00	0.00
ATOM	588	C4	DT	19	0.774	-3.523	-1.700	1.00	0.00
ATOM	589	O4	DT	19	0.012	-2.565	-1.700	1.00	0.00
ATOM	590	N3	DT	19	2.104	-3.313	-1.700	1.00	0.00
ATOM	591	H3	DT	19	2.454	-2.281	-1.700	1.00	0.00
ATOM	592	C2	DT	19	3.041	-4.267	-1.700	1.00	0.00
ATOM	593	O2	DT	19	4.234	-3.983	-1.700	1.00	0.00
ATOM	594	C3'	DT	19	4.641	-7.341	-3.644	1.00	0.00
ATOM	595	H3'	DT	19	4.700	-6.364	-4.123	1.00	0.00
ATOM	596	C2'	DT	19	3.284	-7.505	-3.002	1.00	0.00

ATOM	597	H2'	DT	19	2.535	-7.682	-3.774	1.00	0.00
ATOM	598	H2''	DT	19	3.306	-8.352	-2.317	1.00	0.00
ATOM	599	O3'	DT	19	4.833	-8.378	-4.628	1.00	0.00
ATOM	600	P	DT	20	4.181	-9.856	-4.561	1.00	0.00
ATOM	601	OP1	DT	20	4.683	-10.640	-5.707	1.00	0.00
ATOM	602	OP2	DT	20	4.490	-10.432	-3.231	1.00	0.00
ATOM	603	O5'	DT	20	2.563	-9.734	-4.708	1.00	0.00
ATOM	604	C5'	DT	20	1.904	-9.470	-5.963	1.00	0.00
ATOM	605	H5'	DT	20	2.067	-10.262	-6.694	1.00	0.00
ATOM	606	H5''	DT	20	2.337	-8.581	-6.422	1.00	0.00
ATOM	607	C4'	DT	20	0.399	-9.227	-5.810	1.00	0.00
ATOM	608	H4'	DT	20	-0.104	-10.054	-5.309	1.00	0.00
ATOM	609	O4'	DT	20	0.265	-8.117	-4.898	1.00	0.00
ATOM	610	C1'	DT	20	-1.003	-7.519	-5.100	1.00	0.00
ATOM	611	H1'	DT	20	-1.659	-7.760	-4.263	1.00	0.00
ATOM	612	N1	DT	20	-0.993	-6.058	-5.100	1.00	0.00
ATOM	613	C6	DT	20	-2.243	-5.548	-5.100	1.00	0.00
ATOM	614	H6	DT	20	-3.097	-6.208	-5.056	1.00	0.00
ATOM	615	C5	DT	20	-2.456	-4.197	-5.100	1.00	0.00
ATOM	616	C7	DT	20	-3.894	-3.736	-5.100	1.00	0.00
ATOM	617	H71	DT	20	-4.397	-4.114	-4.210	1.00	0.00
ATOM	618	H72	DT	20	-3.927	-2.646	-5.100	1.00	0.00
ATOM	619	H73	DT	20	-4.397	-4.114	-5.990	1.00	0.00
ATOM	620	C4	DT	20	-1.365	-3.339	-5.100	1.00	0.00
ATOM	621	O4	DT	20	-1.448	-2.117	-5.100	1.00	0.00
ATOM	622	N3	DT	20	-0.151	-3.922	-5.100	1.00	0.00
ATOM	623	H3	DT	20	0.724	-3.272	-5.100	1.00	0.00
ATOM	624	C2	DT	20	0.078	-5.239	-5.100	1.00	0.00
ATOM	625	O2	DT	20	1.222	-5.683	-5.100	1.00	0.00
ATOM	626	C3'	DT	20	-0.351	-8.678	-7.044	1.00	0.00
ATOM	627	H3'	DT	20	0.253	-7.907	-7.523	1.00	0.00
ATOM	628	C2'	DT	20	-1.562	-8.042	-6.402	1.00	0.00
ATOM	629	H2'	DT	20	-2.279	-7.763	-7.174	1.00	0.00
ATOM	630	H2''	DT	20	-2.025	-8.751	-5.716	1.00	0.00
ATOM	631	O3'	DT	20	-0.782	-9.640	-8.028	1.00	0.00
ATOM	632	P	DC	21	-2.159	-10.486	-7.961	1.00	0.00
ATOM	633	OP1	DC	21	-2.191	-11.417	-9.107	1.00	0.00
ATOM	634	OP2	DC	21	-2.231	-11.136	-6.631	1.00	0.00
ATOM	635	O5'	DC	21	-3.421	-9.467	-8.108	1.00	0.00
ATOM	636	C5'	DC	21	-3.813	-8.875	-9.363	1.00	0.00
ATOM	637	H5'	DC	21	-4.128	-9.618	-10.095	1.00	0.00
ATOM	638	H5''	DC	21	-2.951	-8.389	-9.821	1.00	0.00
ATOM	639	C4'	DC	21	-4.914	-7.820	-9.210	1.00	0.00
ATOM	640	H4'	DC	21	-5.798	-8.214	-8.709	1.00	0.00
ATOM	641	O4'	DC	21	-4.393	-6.830	-8.298	1.00	0.00
ATOM	642	C1'	DC	21	-5.097	-5.618	-8.500	1.00	0.00
ATOM	643	H1'	DC	21	-5.745	-5.479	-7.634	1.00	0.00
ATOM	644	N1	DC	21	-4.259	-4.421	-8.500	1.00	0.00
ATOM	645	C6	DC	21	-4.895	-3.210	-8.500	1.00	0.00
ATOM	646	H6	DC	21	-5.974	-3.158	-8.500	1.00	0.00
ATOM	647	C5	DC	21	-4.171	-2.040	-8.500	1.00	0.00
ATOM	648	H5	DC	21	-4.675	-1.073	-8.500	1.00	0.00
ATOM	649	C4	DC	21	-2.800	-2.174	-8.500	1.00	0.00
ATOM	650	N4	DC	21	-2.016	-1.105	-8.500	1.00	0.00
ATOM	651	H41	DC	21	-1.017	-1.255	-8.500	1.00	0.00
ATOM	652	H42	DC	21	-2.418	-0.179	-8.500	1.00	0.00
ATOM	653	N3	DC	21	-2.192	-3.390	-8.500	1.00	0.00
ATOM	654	C2	DC	21	-2.919	-4.536	-8.500	1.00	0.00
ATOM	655	O2	DC	21	-2.381	-5.637	-8.500	1.00	0.00
ATOM	656	C3'	DC	21	-5.219	-6.942	-10.444	1.00	0.00

ATOM	657	H3'	DC	21	-4.284	-6.651	-10.923	1.00	0.00
ATOM	658	C2'	DC	21	-5.854	-5.731	-9.802	1.00	0.00
ATOM	659	H2'	DC	21	-6.285	-5.094	-10.574	1.00	0.00
ATOM	660	H2''	DC	21	-6.638	-6.052	-9.117	1.00	0.00
ATOM	661	O3'	DC	21	-6.121	-7.489	-11.428	1.00	0.00
ATOM	662	P	DG	22	-7.734	-7.403	-11.361	1.00	0.00
ATOM	663	OP1	DG	22	-8.289	-8.151	-12.507	1.00	0.00
ATOM	664	OP2	DG	22	-8.163	-7.896	-10.031	1.00	0.00
ATOM	665	O5'	DG	22	-8.194	-5.847	-11.508	1.00	0.00
ATOM	666	C5'	DG	22	-8.181	-5.137	-12.763	1.00	0.00
ATOM	667	H5'	DG	22	-8.863	-5.569	-13.495	1.00	0.00
ATOM	668	H5''	DG	22	-7.196	-5.227	-13.222	1.00	0.00
ATOM	669	C4'	DG	22	-8.487	-3.644	-12.610	1.00	0.00
ATOM	670	H4'	DG	22	-9.439	-3.466	-12.109	1.00	0.00
ATOM	671	O4'	DG	22	-7.496	-3.125	-11.698	1.00	0.00
ATOM	672	C1'	DG	22	-7.387	-1.727	-11.900	1.00	0.00
ATOM	673	H1'	DG	22	-7.842	-1.244	-11.035	1.00	0.00
ATOM	674	N9	DG	22	-6.017	-1.218	-11.900	1.00	0.00
ATOM	675	C8	DG	22	-5.634	0.103	-11.900	1.00	0.00
ATOM	676	H8	DG	22	-6.351	0.911	-11.902	1.00	0.00
ATOM	677	N7	DG	22	-4.300	0.233	-11.900	1.00	0.00
ATOM	678	C5	DG	22	-3.864	-1.042	-11.900	1.00	0.00
ATOM	679	C6	DG	22	-2.555	-1.550	-11.900	1.00	0.00
ATOM	680	O6	DG	22	-1.493	-0.925	-11.900	1.00	0.00
ATOM	681	N1	DG	22	-2.542	-2.924	-11.900	1.00	0.00
ATOM	682	H1	DG	22	-1.634	-3.343	-11.900	1.00	0.00
ATOM	683	C2	DG	22	-3.617	-3.758	-11.900	1.00	0.00
ATOM	684	N2	DG	22	-3.391	-5.075	-11.900	1.00	0.00
ATOM	685	H21	DG	22	-2.493	-5.538	-11.912	1.00	0.00
ATOM	686	H22	DG	22	-4.205	-5.672	-11.909	1.00	0.00
ATOM	687	N3	DG	22	-4.861	-3.286	-11.900	1.00	0.00
ATOM	688	C4	DG	22	-4.899	-1.948	-11.900	1.00	0.00
ATOM	689	C3'	DG	22	-8.239	-2.748	-13.844	1.00	0.00
ATOM	690	H3'	DG	22	-7.305	-3.040	-14.323	1.00	0.00
ATOM	691	C2'	DG	22	-8.073	-1.390	-13.202	1.00	0.00
ATOM	692	H2'	DG	22	-8.065	-0.621	-13.974	1.00	0.00
ATOM	693	H2''	DG	22	-8.901	-1.208	-12.517	1.00	0.00
ATOM	694	O3'	DG	22	-9.292	-2.686	-14.828	1.00	0.00
ATOM	695	P	DC	23	-10.570	-1.698	-14.761	1.00	0.00
ATOM	696	OP1	DC	23	-11.452	-1.998	-15.907	1.00	0.00
ATOM	697	OP2	DC	23	-11.204	-1.861	-13.431	1.00	0.00
ATOM	698	O5'	DC	23	-10.065	-0.157	-14.908	1.00	0.00
ATOM	699	C5'	DC	23	-9.651	0.420	-16.163	1.00	0.00
ATOM	700	H5'	DC	23	-10.459	0.452	-16.894	1.00	0.00
ATOM	701	H5''	DC	23	-8.892	-0.214	-16.622	1.00	0.00
ATOM	702	C4'	DC	23	-9.054	1.823	-16.010	1.00	0.00
ATOM	703	H4'	DC	23	-9.736	2.510	-15.509	1.00	0.00
ATOM	704	O4'	DC	23	-7.944	1.687	-15.098	1.00	0.00
ATOM	705	C1'	DC	23	-7.060	2.775	-15.300	1.00	0.00
ATOM	706	H1'	DC	23	-7.160	3.430	-14.434	1.00	0.00
ATOM	707	N1	DC	23	-5.644	2.416	-15.300	1.00	0.00
ATOM	708	C6	DC	23	-4.737	3.439	-15.300	1.00	0.00
ATOM	709	H6	DC	23	-5.071	4.466	-15.300	1.00	0.00
ATOM	710	C5	DC	23	-3.386	3.177	-15.300	1.00	0.00
ATOM	711	H5	DC	23	-2.661	3.991	-15.300	1.00	0.00
ATOM	712	C4	DC	23	-3.025	1.848	-15.300	1.00	0.00
ATOM	713	N4	DC	23	-1.748	1.494	-15.300	1.00	0.00
ATOM	714	H41	DC	23	-1.534	0.507	-15.300	1.00	0.00
ATOM	715	H42	DC	23	-1.024	2.199	-15.300	1.00	0.00
ATOM	716	N3	DC	23	-3.947	0.849	-15.300	1.00	0.00

IIRb

ATOM	1	HO5'	DC5	1	-9.975	-1.225	-18.921	1.00	0.00
ATOM	2	O5'	DC5	1	-9.474	-2.004	-19.172	1.00	0.00
ATOM	3	C5'	DC5	1	-9.311	-3.053	-18.227	1.00	0.00
ATOM	4	H5'	DC5	1	-10.291	-3.413	-17.914	1.00	0.00
ATOM	5	H5''	DC5	1	-8.795	-2.617	-17.372	1.00	0.00
ATOM	6	C4'	DC5	1	-8.499	-4.218	-18.759	1.00	0.00
ATOM	7	H4'	DC5	1	-8.987	-4.746	-19.578	1.00	0.00
ATOM	8	O4'	DC5	1	-7.257	-3.702	-19.344	1.00	0.00
ATOM	9	C1'	DC5	1	-6.194	-4.379	-18.700	1.00	0.00
ATOM	10	H1'	DC5	1	-6.006	-5.280	-19.284	1.00	0.00
ATOM	11	N1	DC5	1	-4.905	-3.692	-18.700	1.00	0.00
ATOM	12	C6	DC5	1	-3.780	-4.470	-18.700	1.00	0.00
ATOM	13	H6	DC5	1	-3.860	-5.547	-18.700	1.00	0.00
ATOM	14	C5	DC5	1	-2.530	-3.893	-18.700	1.00	0.00
ATOM	15	H5	DC5	1	-1.631	-4.510	-18.700	1.00	0.00
ATOM	16	C4	DC5	1	-2.497	-2.516	-18.700	1.00	0.00
ATOM	17	N4	DC5	1	-1.341	-1.867	-18.700	1.00	0.00
ATOM	18	H41	DC5	1	-1.369	-0.857	-18.700	1.00	0.00
ATOM	19	H42	DC5	1	-0.470	-2.378	-18.700	1.00	0.00
ATOM	20	N3	DC5	1	-3.630	-1.765	-18.700	1.00	0.00
ATOM	21	C2	DC5	1	-4.856	-2.348	-18.700	1.00	0.00
ATOM	22	O2	DC5	1	-5.884	-1.680	-18.700	1.00	0.00
ATOM	23	C3'	DC5	1	-8.040	-5.159	-17.630	1.00	0.00
ATOM	24	H3'	DC5	1	-8.666	-5.232	-16.740	1.00	0.00
ATOM	25	C2'	DC5	1	-6.741	-4.467	-17.278	1.00	0.00
ATOM	26	H2'	DC5	1	-6.898	-3.812	-16.421	1.00	0.00
ATOM	27	H2''	DC5	1	-5.986	-5.214	-17.030	1.00	0.00
ATOM	28	O3'	DC5	1	-7.715	-6.464	-18.126	1.00	0.00
ATOM	29	P	DG	2	-7.384	-7.691	-17.136	1.00	0.00
ATOM	30	OP1	DG	2	-6.538	-8.670	-17.855	1.00	0.00
ATOM	31	OP2	DG	2	-8.645	-8.216	-16.562	1.00	0.00
ATOM	32	O5'	DG	2	-6.659	-7.032	-15.772	1.00	0.00
ATOM	33	C5'	DG	2	-5.928	-7.802	-14.827	1.00	0.00
ATOM	34	H5'	DG	2	-6.530	-8.655	-14.513	1.00	0.00
ATOM	35	H5''	DG	2	-5.722	-7.196	-13.945	1.00	0.00
ATOM	36	C4'	DG	2	-4.598	-8.300	-15.359	1.00	0.00
ATOM	37	H4'	DG	2	-4.700	-9.013	-16.178	1.00	0.00
ATOM	38	O4'	DG	2	-3.869	-7.170	-15.944	1.00	0.00
ATOM	39	C1'	DG	2	-2.610	-7.123	-15.300	1.00	0.00
ATOM	40	H1'	DG	2	-1.943	-7.759	-15.882	1.00	0.00
ATOM	41	N9	DG	2	-1.938	-5.825	-15.300	1.00	0.00
ATOM	42	C8	DG	2	-0.580	-5.605	-15.300	1.00	0.00
ATOM	43	H8	DG	2	0.136	-6.414	-15.298	1.00	0.00
ATOM	44	N7	DG	2	-0.290	-4.296	-15.300	1.00	0.00
ATOM	45	C5	DG	2	-1.503	-3.709	-15.300	1.00	0.00
ATOM	46	C6	DG	2	-1.849	-2.349	-15.300	1.00	0.00
ATOM	47	O6	DG	2	-1.099	-1.370	-15.300	1.00	0.00
ATOM	48	N1	DG	2	-3.210	-2.169	-15.300	1.00	0.00
ATOM	49	H1	DG	2	-3.516	-1.217	-15.300	1.00	0.00
ATOM	50	C2	DG	2	-4.169	-3.135	-15.300	1.00	0.00
ATOM	51	N2	DG	2	-5.449	-2.751	-15.300	1.00	0.00
ATOM	52	H21	DG	2	-5.799	-1.804	-15.288	1.00	0.00
ATOM	53	H22	DG	2	-6.141	-3.487	-15.291	1.00	0.00
ATOM	54	N3	DG	2	-3.850	-4.427	-15.300	1.00	0.00
ATOM	55	C4	DG	2	-2.527	-4.627	-15.300	1.00	0.00
ATOM	56	C3'	DG	2	-3.686	-8.813	-14.230	1.00	0.00
ATOM	57	H3'	DG	2	-4.159	-9.228	-13.340	1.00	0.00

ATOM	58	C2'	DG	2	-3.010	-7.506	-13.878	1.00	0.00
ATOM	59	H2'	DG	2	-3.511	-7.056	-13.021	1.00	0.00
ATOM	60	H2''	DG	2	-1.965	-7.692	-13.630	1.00	0.00
ATOM	61	O3'	DG	2	-2.677	-9.702	-14.726	1.00	0.00
ATOM	62	P	DC	3	-1.708	-10.524	-13.736	1.00	0.00
ATOM	63	OP1	DC	3	-0.454	-10.849	-14.455	1.00	0.00
ATOM	64	OP2	DC	3	-2.446	-11.672	-13.162	1.00	0.00
ATOM	65	O5'	DC	3	-1.485	-9.570	-12.372	1.00	0.00
ATOM	66	C5'	DC	3	-0.446	-9.789	-11.427	1.00	0.00
ATOM	67	H5'	DC	3	-0.457	-10.833	-11.115	1.00	0.00
ATOM	68	H5''	DC	3	-0.621	-9.174	-10.544	1.00	0.00
ATOM	69	C4'	DC	3	0.932	-9.442	-11.959	1.00	0.00
ATOM	70	H4'	DC	3	1.253	-10.086	-12.778	1.00	0.00
ATOM	71	O4'	DC	3	0.889	-8.098	-12.544	1.00	0.00
ATOM	72	C1'	DC	3	1.899	-7.344	-11.900	1.00	0.00
ATOM	73	H1'	DC	3	2.808	-7.488	-12.484	1.00	0.00
ATOM	74	N1	DC	3	1.714	-5.895	-11.900	1.00	0.00
ATOM	75	C6	DC	3	2.840	-5.119	-11.900	1.00	0.00
ATOM	76	H6	DC	3	3.819	-5.575	-11.900	1.00	0.00
ATOM	77	C5	DC	3	2.743	-3.746	-11.900	1.00	0.00
ATOM	78	H5	DC	3	3.638	-3.124	-11.900	1.00	0.00
ATOM	79	C4	DC	3	1.467	-3.227	-11.900	1.00	0.00
ATOM	80	N4	DC	3	1.271	-1.916	-11.900	1.00	0.00
ATOM	81	H41	DC	3	0.317	-1.584	-11.900	1.00	0.00
ATOM	82	H42	DC	3	2.058	-1.284	-11.900	1.00	0.00
ATOM	83	N3	DC	3	0.364	-4.021	-11.900	1.00	0.00
ATOM	84	C2	DC	3	0.475	-5.373	-11.900	1.00	0.00
ATOM	85	O2	DC	3	-0.514	-6.097	-11.900	1.00	0.00
ATOM	86	C3'	DC	3	1.974	-9.347	-10.830	1.00	0.00
ATOM	87	H3'	DC	3	1.820	-9.958	-9.940	1.00	0.00
ATOM	88	C2'	DC	3	1.788	-7.887	-10.478	1.00	0.00
ATOM	89	H2'	DC	3	1.120	-7.802	-9.621	1.00	0.00
ATOM	90	H2''	DC	3	2.754	-7.447	-10.230	1.00	0.00
ATOM	91	O3'	DC	3	3.309	-9.505	-11.326	1.00	0.00
ATOM	92	P	DG	4	4.574	-9.631	-10.336	1.00	0.00
ATOM	93	OP1	DG	4	5.790	-9.187	-11.055	1.00	0.00
ATOM	94	OP2	DG	4	4.618	-10.996	-9.762	1.00	0.00
ATOM	95	O5'	DG	4	4.215	-8.719	-8.972	1.00	0.00
ATOM	96	C5'	DG	4	5.194	-8.309	-8.027	1.00	0.00
ATOM	97	H5'	DG	4	5.778	-9.175	-7.714	1.00	0.00
ATOM	98	H5''	DG	4	4.700	-7.902	-7.145	1.00	0.00
ATOM	99	C4'	DG	4	6.131	-7.241	-8.559	1.00	0.00
ATOM	100	H4'	DG	4	6.761	-7.589	-9.378	1.00	0.00
ATOM	101	O4'	DG	4	5.333	-6.159	-9.144	1.00	0.00
ATOM	102	C1'	DG	4	5.735	-4.965	-8.500	1.00	0.00
ATOM	103	H1'	DG	4	6.566	-4.566	-9.082	1.00	0.00
ATOM	104	N9	DG	4	4.760	-3.877	-8.500	1.00	0.00
ATOM	105	C8	DG	4	5.035	-2.529	-8.500	1.00	0.00
ATOM	106	H8	DG	4	6.045	-2.147	-8.498	1.00	0.00
ATOM	107	N7	DG	4	3.915	-1.794	-8.500	1.00	0.00
ATOM	108	C5	DG	4	2.935	-2.720	-8.500	1.00	0.00
ATOM	109	C6	DG	4	1.541	-2.561	-8.500	1.00	0.00
ATOM	110	O6	DG	4	0.891	-1.513	-8.500	1.00	0.00
ATOM	111	N1	DG	4	0.890	-3.770	-8.500	1.00	0.00
ATOM	112	H1	DG	4	-0.109	-3.718	-8.500	1.00	0.00
ATOM	113	C2	DG	4	1.453	-5.009	-8.500	1.00	0.00
ATOM	114	N2	DG	4	0.641	-6.070	-8.500	1.00	0.00
ATOM	115	H21	DG	4	-0.369	-6.063	-8.488	1.00	0.00
ATOM	116	H22	DG	4	1.084	-6.977	-8.491	1.00	0.00
ATOM	117	N3	DG	4	2.774	-5.170	-8.500	1.00	0.00

ATOM	118	C4	DG	4	3.431	-4.003	-8.500	1.00	0.00
ATOM	119	C3'	DG	4	6.935	-6.570	-7.430	1.00	0.00
ATOM	120	H3'	DG	4	7.156	-7.160	-6.540	1.00	0.00
ATOM	121	C2'	DG	4	5.952	-5.475	-7.078	1.00	0.00
ATOM	122	H2'	DG	4	5.354	-5.785	-6.221	1.00	0.00
ATOM	123	H2''	DG	4	6.496	-4.563	-6.831	1.00	0.00
ATOM	124	O3'	DG	4	8.124	-5.942	-7.926	1.00	0.00
ATOM	125	P	DA	5	9.236	-5.327	-6.936	1.00	0.00
ATOM	126	OP1	DA	5	9.984	-4.270	-7.655	1.00	0.00
ATOM	127	OP2	DA	5	10.047	-6.425	-6.362	1.00	0.00
ATOM	128	O5'	DA	5	8.422	-4.780	-5.572	1.00	0.00
ATOM	129	C5'	DA	5	8.995	-3.887	-4.627	1.00	0.00
ATOM	130	H5'	DA	5	9.968	-4.268	-4.315	1.00	0.00
ATOM	131	H5''	DA	5	8.358	-3.833	-3.744	1.00	0.00
ATOM	132	C4'	DA	5	9.159	-2.476	-5.159	1.00	0.00
ATOM	133	H4'	DA	5	9.875	-2.405	-5.978	1.00	0.00
ATOM	134	O4'	DA	5	7.888	-2.039	-5.744	1.00	0.00
ATOM	135	C1'	DA	5	7.541	-0.827	-5.100	1.00	0.00
ATOM	136	H1'	DA	5	7.994	0.014	-5.625	1.00	0.00
ATOM	137	N9	DA	5	6.120	-0.487	-5.100	1.00	0.00
ATOM	138	C8	DA	5	5.482	0.722	-5.100	1.00	0.00
ATOM	139	H8	DA	5	6.026	1.654	-5.149	1.00	0.00
ATOM	140	N7	DA	5	4.145	0.587	-5.100	1.00	0.00
ATOM	141	C5	DA	5	3.943	-0.740	-5.100	1.00	0.00
ATOM	142	C6	DA	5	2.772	-1.510	-5.100	1.00	0.00
ATOM	143	N6	DA	5	1.546	-0.980	-5.100	1.00	0.00
ATOM	144	H61	DA	5	0.735	-1.582	-5.100	1.00	0.00
ATOM	145	H62	DA	5	1.430	0.023	-5.100	1.00	0.00
ATOM	146	N1	DA	5	2.931	-2.834	-5.100	1.00	0.00
ATOM	147	C2	DA	5	4.139	-3.395	-5.100	1.00	0.00
ATOM	148	H2	DA	5	4.271	-4.467	-5.100	1.00	0.00
ATOM	149	N3	DA	5	5.318	-2.772	-5.100	1.00	0.00
ATOM	150	C4	DA	5	5.134	-1.434	-5.100	1.00	0.00
ATOM	151	C3'	DA	5	9.440	-1.467	-4.030	1.00	0.00
ATOM	152	H3'	DA	5	9.957	-1.827	-3.140	1.00	0.00
ATOM	153	C2'	DA	5	8.009	-1.124	-3.678	1.00	0.00
ATOM	154	H2'	DA	5	7.693	-1.719	-2.821	1.00	0.00
ATOM	155	H2''	DA	5	7.939	-0.065	-3.430	1.00	0.00
ATOM	156	O3'	DA	5	10.061	-0.275	-4.526	1.00	0.00
ATOM	157	P	DA	6	10.627	0.863	-3.536	1.00	0.00
ATOM	158	OP1	DA	6	10.642	2.158	-4.255	1.00	0.00
ATOM	159	OP2	DA	6	11.919	0.421	-2.962	1.00	0.00
ATOM	160	O5'	DA	6	9.647	0.851	-2.172	1.00	0.00
ATOM	161	C5'	DA	6	9.611	1.912	-1.227	1.00	0.00
ATOM	162	H5'	DA	6	10.628	2.152	-0.915	1.00	0.00
ATOM	163	H5''	DA	6	9.056	1.594	-0.344	1.00	0.00
ATOM	164	C4'	DA	6	8.944	3.166	-1.759	1.00	0.00
ATOM	165	H4'	DA	6	9.493	3.632	-2.578	1.00	0.00
ATOM	166	O4'	DA	6	7.649	2.803	-2.344	1.00	0.00
ATOM	167	C1'	DA	6	6.676	3.603	-1.700	1.00	0.00
ATOM	168	H1'	DA	6	6.572	4.553	-2.225	1.00	0.00
ATOM	169	N9	DA	6	5.313	3.076	-1.700	1.00	0.00
ATOM	170	C8	DA	6	4.101	3.708	-1.700	1.00	0.00
ATOM	171	H8	DA	6	4.020	4.784	-1.749	1.00	0.00
ATOM	172	N7	DA	6	3.077	2.838	-1.700	1.00	0.00
ATOM	173	C5	DA	6	3.665	1.631	-1.700	1.00	0.00
ATOM	174	C6	DA	6	3.139	0.332	-1.700	1.00	0.00
ATOM	175	N6	DA	6	1.830	0.072	-1.700	1.00	0.00
ATOM	176	H61	DA	6	1.505	-0.884	-1.700	1.00	0.00
ATOM	177	H62	DA	6	1.164	0.832	-1.700	1.00	0.00

ATOM	178	N1	DA	6	4.022	-0.667	-1.700	1.00	0.00
ATOM	179	C2	DA	6	5.335	-0.442	-1.700	1.00	0.00
ATOM	180	H2	DA	6	6.053	-1.249	-1.700	1.00	0.00
ATOM	181	N3	DA	6	5.951	0.740	-1.700	1.00	0.00
ATOM	182	C4	DA	6	5.040	1.737	-1.700	1.00	0.00
ATOM	183	C3'	DA	6	8.602	4.156	-0.630	1.00	0.00
ATOM	184	H3'	DA	6	9.232	4.153	0.260	1.00	0.00
ATOM	185	C2'	DA	6	7.229	3.625	-0.278	1.00	0.00
ATOM	186	H2'	DA	6	7.306	2.956	0.579	1.00	0.00
ATOM	187	H2''	DA	6	6.570	4.457	-0.031	1.00	0.00
ATOM	188	O3'	DA	6	8.436	5.490	-1.126	1.00	0.00
ATOM	189	P	DT	7	8.255	6.748	-0.136	1.00	0.00
ATOM	190	OP1	DT	7	7.532	7.822	-0.855	1.00	0.00
ATOM	191	OP2	DT	7	9.569	7.118	0.438	1.00	0.00
ATOM	192	O5'	DT	7	7.455	6.181	1.228	1.00	0.00
ATOM	193	C5'	DT	7	6.823	7.033	2.173	1.00	0.00
ATOM	194	H5'	DT	7	7.524	7.807	2.485	1.00	0.00
ATOM	195	H5''	DT	7	6.547	6.456	3.055	1.00	0.00
ATOM	196	C4'	DT	7	5.561	7.687	1.641	1.00	0.00
ATOM	197	H4'	DT	7	5.748	8.382	0.822	1.00	0.00
ATOM	198	O4'	DT	7	4.702	6.653	1.056	1.00	0.00
ATOM	199	C1'	DT	7	3.447	6.758	1.700	1.00	0.00
ATOM	200	H1'	DT	7	2.829	7.476	1.160	1.00	0.00
ATOM	201	N1	DT	7	2.624	5.550	1.700	1.00	0.00
ATOM	202	C6	DT	7	1.306	5.840	1.700	1.00	0.00
ATOM	203	H6	DT	7	0.978	6.868	1.656	1.00	0.00
ATOM	204	C5	DT	7	0.363	4.849	1.700	1.00	0.00
ATOM	205	C7	DT	7	-1.082	5.286	1.700	1.00	0.00
ATOM	206	H71	DT	7	-1.282	5.883	0.810	1.00	0.00
ATOM	207	H72	DT	7	-1.728	4.408	1.700	1.00	0.00
ATOM	208	H73	DT	7	-1.282	5.883	2.590	1.00	0.00
ATOM	209	C4	DT	7	0.774	3.523	1.700	1.00	0.00
ATOM	210	O4	DT	7	0.012	2.565	1.700	1.00	0.00
ATOM	211	N3	DT	7	2.104	3.313	1.700	1.00	0.00
ATOM	212	H3	DT	7	2.454	2.281	1.700	1.00	0.00
ATOM	213	C2	DT	7	3.041	4.267	1.700	1.00	0.00
ATOM	214	O2	DT	7	4.234	3.983	1.700	1.00	0.00
ATOM	215	C3'	DT	7	4.718	8.307	2.770	1.00	0.00
ATOM	216	H3'	DT	7	5.238	8.662	3.660	1.00	0.00
ATOM	217	C2'	DT	7	3.890	7.090	3.122	1.00	0.00
ATOM	218	H2'	DT	7	4.334	6.583	3.979	1.00	0.00
ATOM	219	H2''	DT	7	2.875	7.400	3.370	1.00	0.00
ATOM	220	O3'	DT	7	3.823	9.311	2.274	1.00	0.00
ATOM	221	P	DT	8	2.960	10.243	3.264	1.00	0.00
ATOM	222	OP1	DT	8	1.754	10.716	2.545	1.00	0.00
ATOM	223	OP2	DT	8	3.831	11.294	3.838	1.00	0.00
ATOM	224	O5'	DT	8	2.624	9.322	4.628	1.00	0.00
ATOM	225	C5'	DT	8	1.619	9.664	5.573	1.00	0.00
ATOM	226	H5'	DT	8	1.756	10.699	5.886	1.00	0.00
ATOM	227	H5''	DT	8	1.719	9.032	6.455	1.00	0.00
ATOM	228	C4'	DT	8	0.209	9.486	5.041	1.00	0.00
ATOM	229	H4'	DT	8	-0.033	10.164	4.223	1.00	0.00
ATOM	230	O4'	DT	8	0.090	8.147	4.456	1.00	0.00
ATOM	231	C1'	DT	8	-1.003	7.519	5.100	1.00	0.00
ATOM	232	H1'	DT	8	-1.919	7.758	4.559	1.00	0.00
ATOM	233	N1	DT	8	-0.993	6.058	5.100	1.00	0.00
ATOM	234	C6	DT	8	-2.243	5.548	5.100	1.00	0.00
ATOM	235	H6	DT	8	-3.097	6.208	5.056	1.00	0.00
ATOM	236	C5	DT	8	-2.456	4.197	5.100	1.00	0.00
ATOM	237	C7	DT	8	-3.894	3.736	5.100	1.00	0.00

ATOM	238	H71	DT	8	-4.397	4.114	4.210	1.00	0.00
ATOM	239	H72	DT	8	-3.927	2.646	5.100	1.00	0.00
ATOM	240	H73	DT	8	-4.397	4.114	5.990	1.00	0.00
ATOM	241	C4	DT	8	-1.365	3.339	5.100	1.00	0.00
ATOM	242	O4	DT	8	-1.448	2.117	5.100	1.00	0.00
ATOM	243	N3	DT	8	-0.151	3.922	5.100	1.00	0.00
ATOM	244	H3	DT	8	0.724	3.272	5.100	1.00	0.00
ATOM	245	C2	DT	8	0.078	5.239	5.100	1.00	0.00
ATOM	246	O2	DT	8	1.222	5.683	5.100	1.00	0.00
ATOM	247	C3'	DT	8	-0.837	9.516	6.170	1.00	0.00
ATOM	248	H3'	DT	8	-0.611	10.104	7.060	1.00	0.00
ATOM	249	C2'	DT	8	-0.827	8.045	6.522	1.00	0.00
ATOM	250	H2'	DT	8	-0.174	7.880	7.379	1.00	0.00
ATOM	251	H2''	DT	8	-1.839	7.723	6.770	1.00	0.00
ATOM	252	O3'	DT	8	-2.143	9.834	5.674	1.00	0.00
ATOM	253	P	DC	9	-3.384	10.111	6.664	1.00	0.00
ATOM	254	OP1	DC	9	-4.644	9.816	5.945	1.00	0.00
ATOM	255	OP2	DC	9	-3.264	11.471	7.238	1.00	0.00
ATOM	256	O5'	DC	9	-3.137	9.162	8.028	1.00	0.00
ATOM	257	C5'	DC	9	-4.158	8.873	8.973	1.00	0.00
ATOM	258	H5'	DC	9	-4.634	9.803	9.286	1.00	0.00
ATOM	259	H5''	DC	9	-3.717	8.410	9.855	1.00	0.00
ATOM	260	C4'	DC	9	-5.217	7.925	8.441	1.00	0.00
ATOM	261	H4'	DC	9	-5.801	8.346	7.622	1.00	0.00
ATOM	262	O4'	DC	9	-4.554	6.755	7.856	1.00	0.00
ATOM	263	C1'	DC	9	-5.097	5.618	8.500	1.00	0.00
ATOM	264	H1'	DC	9	-5.969	5.322	7.917	1.00	0.00
ATOM	265	N1	DC	9	-4.259	4.421	8.500	1.00	0.00
ATOM	266	C6	DC	9	-4.895	3.210	8.500	1.00	0.00
ATOM	267	H6	DC	9	-5.974	3.158	8.500	1.00	0.00
ATOM	268	C5	DC	9	-4.171	2.040	8.500	1.00	0.00
ATOM	269	H5	DC	9	-4.675	1.073	8.500	1.00	0.00
ATOM	270	C4	DC	9	-2.800	2.174	8.500	1.00	0.00
ATOM	271	N4	DC	9	-2.016	1.105	8.500	1.00	0.00
ATOM	272	H41	DC	9	-1.017	1.255	8.500	1.00	0.00
ATOM	273	H42	DC	9	-2.418	0.179	8.500	1.00	0.00
ATOM	274	N3	DC	9	-2.192	3.390	8.500	1.00	0.00
ATOM	275	C2	DC	9	-2.919	4.536	8.500	1.00	0.00
ATOM	276	O2	DC	9	-2.381	5.637	8.500	1.00	0.00
ATOM	277	C3'	DC	9	-6.095	7.356	9.570	1.00	0.00
ATOM	278	H3'	DC	9	-6.243	7.968	10.460	1.00	0.00
ATOM	279	C2'	DC	9	-5.251	6.150	9.922	1.00	0.00
ATOM	280	H2'	DC	9	-4.620	6.385	10.779	1.00	0.00
ATOM	281	H2''	DC	9	-5.901	5.311	10.170	1.00	0.00
ATOM	282	O3'	DC	9	-7.351	6.875	9.074	1.00	0.00
ATOM	283	P	DG	10	-8.529	6.398	10.064	1.00	0.00
ATOM	284	OP1	DG	10	-9.399	5.439	9.345	1.00	0.00
ATOM	285	OP2	DG	10	-9.203	7.585	10.638	1.00	0.00
ATOM	286	O5'	DG	10	-7.787	5.757	11.428	1.00	0.00
ATOM	287	C5'	DG	10	-8.463	4.939	12.373	1.00	0.00
ATOM	288	H5'	DG	10	-9.382	5.434	12.686	1.00	0.00
ATOM	289	H5''	DG	10	-7.836	4.808	13.255	1.00	0.00
ATOM	290	C4'	DG	10	-8.796	3.558	11.841	1.00	0.00
ATOM	291	H4'	DG	10	-9.516	3.572	11.023	1.00	0.00
ATOM	292	O4'	DG	10	-7.586	2.972	11.256	1.00	0.00
ATOM	293	C1'	DG	10	-7.387	1.727	11.900	1.00	0.00
ATOM	294	H1'	DG	10	-7.937	0.988	11.318	1.00	0.00
ATOM	295	N9	DG	10	-6.017	1.218	11.900	1.00	0.00
ATOM	296	C8	DG	10	-5.634	-0.103	11.900	1.00	0.00
ATOM	297	H8	DG	10	-6.351	-0.911	11.902	1.00	0.00

ATOM	298	N7	DG	10	-4.300	-0.233	11.900	1.00	0.00
ATOM	299	C5	DG	10	-3.864	1.042	11.900	1.00	0.00
ATOM	300	C6	DG	10	-2.555	1.550	11.900	1.00	0.00
ATOM	301	O6	DG	10	-1.493	0.925	11.900	1.00	0.00
ATOM	302	N1	DG	10	-2.542	2.924	11.900	1.00	0.00
ATOM	303	H1	DG	10	-1.634	3.343	11.900	1.00	0.00
ATOM	304	C2	DG	10	-3.617	3.758	11.900	1.00	0.00
ATOM	305	N2	DG	10	-3.391	5.075	11.900	1.00	0.00
ATOM	306	H21	DG	10	-2.493	5.538	11.912	1.00	0.00
ATOM	307	H22	DG	10	-4.205	5.672	11.909	1.00	0.00
ATOM	308	N3	DG	10	-4.861	3.286	11.900	1.00	0.00
ATOM	309	C4	DG	10	-4.899	1.948	11.900	1.00	0.00
ATOM	310	C3'	DG	10	-9.195	2.591	12.970	1.00	0.00
ATOM	311	H3'	DG	10	-9.665	3.011	13.860	1.00	0.00
ATOM	312	C2'	DG	10	-7.816	2.078	13.322	1.00	0.00
ATOM	313	H2'	DG	10	-7.430	2.630	14.179	1.00	0.00
ATOM	314	H2''	DG	10	-7.874	1.018	13.570	1.00	0.00
ATOM	315	O3'	DG	10	-9.955	1.482	12.474	1.00	0.00
ATOM	316	P	DC	11	-10.654	0.420	13.464	1.00	0.00
ATOM	317	OP1	DC	11	-10.825	-0.864	12.745	1.00	0.00
ATOM	318	OP2	DC	11	-11.883	1.014	14.038	1.00	0.00
ATOM	319	O5'	DC	11	-9.679	0.314	14.828	1.00	0.00
ATOM	320	C5'	DC	11	-9.771	-0.743	15.773	1.00	0.00
ATOM	321	H5'	DC	11	-10.809	-0.858	16.085	1.00	0.00
ATOM	322	H5''	DC	11	-9.182	-0.494	16.656	1.00	0.00
ATOM	323	C4'	DC	11	-9.260	-2.069	15.241	1.00	0.00
ATOM	324	H4'	DC	11	-9.860	-2.466	14.422	1.00	0.00
ATOM	325	O4'	DC	11	-7.931	-1.864	14.656	1.00	0.00
ATOM	326	C1'	DC	11	-7.060	-2.775	15.300	1.00	0.00
ATOM	327	H1'	DC	11	-7.092	-3.695	14.717	1.00	0.00
ATOM	328	N1	DC	11	-5.644	-2.416	15.300	1.00	0.00
ATOM	329	C6	DC	11	-4.737	-3.439	15.300	1.00	0.00
ATOM	330	H6	DC	11	-5.071	-4.466	15.300	1.00	0.00
ATOM	331	C5	DC	11	-3.386	-3.177	15.300	1.00	0.00
ATOM	332	H5	DC	11	-2.661	-3.991	15.300	1.00	0.00
ATOM	333	C4	DC	11	-3.025	-1.848	15.300	1.00	0.00
ATOM	334	N4	DC	11	-1.748	-1.494	15.300	1.00	0.00
ATOM	335	H41	DC	11	-1.534	-0.507	15.300	1.00	0.00
ATOM	336	H42	DC	11	-1.024	-2.199	15.300	1.00	0.00
ATOM	337	N3	DC	11	-3.947	-0.849	15.300	1.00	0.00
ATOM	338	C2	DC	11	-5.276	-1.122	15.300	1.00	0.00
ATOM	339	O2	DC	11	-6.115	-0.228	15.300	1.00	0.00
ATOM	340	C3'	DC	11	-9.039	-3.092	16.370	1.00	0.00
ATOM	341	H3'	DC	11	-9.664	-3.013	17.260	1.00	0.00
ATOM	342	C2'	DC	11	-7.612	-2.730	16.722	1.00	0.00
ATOM	343	H2'	DC	11	-7.608	-2.056	17.579	1.00	0.00
ATOM	344	H2''	DC	11	-7.058	-3.635	16.970	1.00	0.00
ATOM	345	O3'	DC	11	-9.034	-4.437	15.874	1.00	0.00
ATOM	346	P	DG3	12	-9.006	-5.707	16.864	1.00	0.00
ATOM	347	OP1	DG3	12	-8.417	-6.861	16.145	1.00	0.00
ATOM	348	OP2	DG3	12	-10.355	-5.917	17.438	1.00	0.00
ATOM	349	O5'	DG3	12	-8.144	-5.240	18.228	1.00	0.00
ATOM	350	C5'	DG3	12	-7.618	-6.163	19.173	1.00	0.00
ATOM	351	H5'	DG3	12	-8.407	-6.848	19.485	1.00	0.00
ATOM	352	H5''	DG3	12	-7.274	-5.624	20.056	1.00	0.00
ATOM	353	C4'	DG3	12	-6.445	-6.963	18.641	1.00	0.00
ATOM	354	H4'	DG3	12	-6.714	-7.631	17.822	1.00	0.00
ATOM	355	O4'	DG3	12	-5.468	-6.040	18.056	1.00	0.00
ATOM	356	C1'	DG3	12	-4.233	-6.295	18.700	1.00	0.00
ATOM	357	H1'	DG3	12	-3.736	-7.071	18.118	1.00	0.00

ATOM	358	N9	DG3	12	-3.272	-5.194	18.700	1.00	0.00
ATOM	359	C8	DG3	12	-1.901	-5.305	18.700	1.00	0.00
ATOM	360	H8	DG3	12	-1.400	-6.262	18.702	1.00	0.00
ATOM	361	N7	DG3	12	-1.306	-4.103	18.700	1.00	0.00
ATOM	362	C5	DG3	12	-2.344	-3.243	18.700	1.00	0.00
ATOM	363	C6	DG3	12	-2.356	-1.840	18.700	1.00	0.00
ATOM	364	O6	DG3	12	-1.394	-1.068	18.700	1.00	0.00
ATOM	365	N1	DG3	12	-3.635	-1.340	18.700	1.00	0.00
ATOM	366	H1	DG3	12	-3.706	-0.342	18.700	1.00	0.00
ATOM	367	C2	DG3	12	-4.796	-2.050	18.700	1.00	0.00
ATOM	368	N2	DG3	12	-5.948	-1.372	18.700	1.00	0.00
ATOM	369	H21	DG3	12	-6.063	-0.369	18.712	1.00	0.00
ATOM	370	H22	DG3	12	-6.795	-1.922	18.709	1.00	0.00
ATOM	371	N3	DG3	12	-4.795	-3.380	18.700	1.00	0.00
ATOM	372	C4	DG3	12	-3.558	-3.891	18.700	1.00	0.00
ATOM	373	C3'	DG3	12	-5.682	-7.680	19.770	1.00	0.00
ATOM	374	H3'	DG3	12	-6.241	-7.970	20.660	1.00	0.00
ATOM	375	C2'	DG3	12	-4.713	-6.572	20.122	1.00	0.00
ATOM	376	H2'	DG3	12	-5.092	-6.016	20.979	1.00	0.00
ATOM	377	H2''	DG3	12	-3.743	-7.002	20.369	1.00	0.00
ATOM	378	O3'	DG3	12	-4.914	-8.784	19.274	1.00	0.00
ATOM	379	HO3'	DG3	12	-4.419	-9.265	19.941	1.00	0.00
TER									
ATOM	380	HO5'	DC5	13	-9.975	1.225	18.921	1.00	0.00
ATOM	381	O5'	DC5	13	-9.474	2.004	19.172	1.00	0.00
ATOM	382	C5'	DC5	13	-9.311	3.053	18.227	1.00	0.00
ATOM	383	H5'	DC5	13	-10.291	3.413	17.914	1.00	0.00
ATOM	384	H5''	DC5	13	-8.795	2.617	17.372	1.00	0.00
ATOM	385	C4'	DC5	13	-8.499	4.218	18.759	1.00	0.00
ATOM	386	H4'	DC5	13	-8.987	4.746	19.578	1.00	0.00
ATOM	387	O4'	DC5	13	-7.257	3.702	19.344	1.00	0.00
ATOM	388	C1'	DC5	13	-6.194	4.379	18.700	1.00	0.00
ATOM	389	H1'	DC5	13	-6.006	5.280	19.284	1.00	0.00
ATOM	390	N1	DC5	13	-4.905	3.692	18.700	1.00	0.00
ATOM	391	C6	DC5	13	-3.780	4.470	18.700	1.00	0.00
ATOM	392	H6	DC5	13	-3.860	5.547	18.700	1.00	0.00
ATOM	393	C5	DC5	13	-2.530	3.893	18.700	1.00	0.00
ATOM	394	H5	DC5	13	-1.631	4.510	18.700	1.00	0.00
ATOM	395	C4	DC5	13	-2.497	2.516	18.700	1.00	0.00
ATOM	396	N4	DC5	13	-1.341	1.867	18.700	1.00	0.00
ATOM	397	H41	DC5	13	-1.369	0.857	18.700	1.00	0.00
ATOM	398	H42	DC5	13	-0.470	2.378	18.700	1.00	0.00
ATOM	399	N3	DC5	13	-3.630	1.765	18.700	1.00	0.00
ATOM	400	C2	DC5	13	-4.856	2.348	18.700	1.00	0.00
ATOM	401	O2	DC5	13	-5.884	1.680	18.700	1.00	0.00
ATOM	402	C3'	DC5	13	-8.040	5.159	17.630	1.00	0.00
ATOM	403	H3'	DC5	13	-8.666	5.232	16.740	1.00	0.00
ATOM	404	C2'	DC5	13	-6.741	4.467	17.278	1.00	0.00
ATOM	405	H2'	DC5	13	-6.898	3.812	16.421	1.00	0.00
ATOM	406	H2''	DC5	13	-5.986	5.214	17.030	1.00	0.00
ATOM	407	O3'	DC5	13	-7.715	6.464	18.126	1.00	0.00
ATOM	408	P	DG	14	-7.385	7.691	17.136	1.00	0.00
ATOM	409	OP1	DG	14	-6.538	8.670	17.855	1.00	0.00
ATOM	410	OP2	DG	14	-8.645	8.216	16.562	1.00	0.00
ATOM	411	O5'	DG	14	-6.659	7.032	15.772	1.00	0.00
ATOM	412	C5'	DG	14	-5.928	7.802	14.827	1.00	0.00
ATOM	413	H5'	DG	14	-6.530	8.655	14.513	1.00	0.00
ATOM	414	H5''	DG	14	-5.722	7.196	13.945	1.00	0.00
ATOM	415	C4'	DG	14	-4.598	8.300	15.359	1.00	0.00
ATOM	416	H4'	DG	14	-4.700	9.013	16.178	1.00	0.00

ATOM	417	O4'	DG	14	-3.869	7.170	15.944	1.00	0.00
ATOM	418	C1'	DG	14	-2.610	7.123	15.300	1.00	0.00
ATOM	419	H1'	DG	14	-1.943	7.759	15.882	1.00	0.00
ATOM	420	N9	DG	14	-1.938	5.825	15.300	1.00	0.00
ATOM	421	C8	DG	14	-0.580	5.605	15.300	1.00	0.00
ATOM	422	H8	DG	14	0.136	6.414	15.298	1.00	0.00
ATOM	423	N7	DG	14	-0.290	4.296	15.300	1.00	0.00
ATOM	424	C5	DG	14	-1.503	3.709	15.300	1.00	0.00
ATOM	425	C6	DG	14	-1.849	2.349	15.300	1.00	0.00
ATOM	426	O6	DG	14	-1.099	1.370	15.300	1.00	0.00
ATOM	427	N1	DG	14	-3.210	2.169	15.300	1.00	0.00
ATOM	428	H1	DG	14	-3.516	1.217	15.300	1.00	0.00
ATOM	429	C2	DG	14	-4.169	3.135	15.300	1.00	0.00
ATOM	430	N2	DG	14	-5.449	2.751	15.300	1.00	0.00
ATOM	431	H21	DG	14	-5.799	1.804	15.288	1.00	0.00
ATOM	432	H22	DG	14	-6.141	3.487	15.291	1.00	0.00
ATOM	433	N3	DG	14	-3.850	4.427	15.300	1.00	0.00
ATOM	434	C4	DG	14	-2.527	4.627	15.300	1.00	0.00
ATOM	435	C3'	DG	14	-3.686	8.813	14.230	1.00	0.00
ATOM	436	H3'	DG	14	-4.159	9.228	13.340	1.00	0.00
ATOM	437	C2'	DG	14	-3.010	7.506	13.878	1.00	0.00
ATOM	438	H2'	DG	14	-3.511	7.056	13.021	1.00	0.00
ATOM	439	H2''	DG	14	-1.965	7.692	13.630	1.00	0.00
ATOM	440	O3'	DG	14	-2.677	9.702	14.726	1.00	0.00
ATOM	441	P	DC	15	-1.708	10.524	13.736	1.00	0.00
ATOM	442	OP1	DC	15	-0.454	10.849	14.455	1.00	0.00
ATOM	443	OP2	DC	15	-2.446	11.672	13.162	1.00	0.00
ATOM	444	O5'	DC	15	-1.485	9.570	12.372	1.00	0.00
ATOM	445	C5'	DC	15	-0.446	9.789	11.427	1.00	0.00
ATOM	446	H5'	DC	15	-0.457	10.833	11.115	1.00	0.00
ATOM	447	H5''	DC	15	-0.621	9.174	10.544	1.00	0.00
ATOM	448	C4'	DC	15	0.932	9.442	11.959	1.00	0.00
ATOM	449	H4'	DC	15	1.253	10.086	12.778	1.00	0.00
ATOM	450	O4'	DC	15	0.889	8.098	12.544	1.00	0.00
ATOM	451	C1'	DC	15	1.899	7.344	11.900	1.00	0.00
ATOM	452	H1'	DC	15	2.808	7.488	12.484	1.00	0.00
ATOM	453	N1	DC	15	1.714	5.895	11.900	1.00	0.00
ATOM	454	C6	DC	15	2.840	5.119	11.900	1.00	0.00
ATOM	455	H6	DC	15	3.819	5.575	11.900	1.00	0.00
ATOM	456	C5	DC	15	2.743	3.746	11.900	1.00	0.00
ATOM	457	H5	DC	15	3.638	3.124	11.900	1.00	0.00
ATOM	458	C4	DC	15	1.467	3.227	11.900	1.00	0.00
ATOM	459	N4	DC	15	1.271	1.916	11.900	1.00	0.00
ATOM	460	H41	DC	15	0.317	1.584	11.900	1.00	0.00
ATOM	461	H42	DC	15	2.058	1.284	11.900	1.00	0.00
ATOM	462	N3	DC	15	0.364	4.021	11.900	1.00	0.00
ATOM	463	C2	DC	15	0.475	5.373	11.900	1.00	0.00
ATOM	464	O2	DC	15	-0.514	6.097	11.900	1.00	0.00
ATOM	465	C3'	DC	15	1.974	9.347	10.830	1.00	0.00
ATOM	466	H3'	DC	15	1.820	9.958	9.940	1.00	0.00
ATOM	467	C2'	DC	15	1.788	7.887	10.478	1.00	0.00
ATOM	468	H2'	DC	15	1.120	7.802	9.621	1.00	0.00
ATOM	469	H2''	DC	15	2.754	7.447	10.230	1.00	0.00
ATOM	470	O3'	DC	15	3.309	9.505	11.326	1.00	0.00
ATOM	471	P	DG	16	4.574	9.631	10.336	1.00	0.00
ATOM	472	OP1	DG	16	5.790	9.187	11.055	1.00	0.00
ATOM	473	OP2	DG	16	4.618	10.996	9.762	1.00	0.00
ATOM	474	O5'	DG	16	4.215	8.719	8.972	1.00	0.00
ATOM	475	C5'	DG	16	5.194	8.309	8.027	1.00	0.00
ATOM	476	H5'	DG	16	5.778	9.175	7.714	1.00	0.00

ATOM	477	H5'	DG	16	4.700	7.902	7.145	1.00	0.00
ATOM	478	C4'	DG	16	6.131	7.241	8.559	1.00	0.00
ATOM	479	H4'	DG	16	6.761	7.589	9.378	1.00	0.00
ATOM	480	O4'	DG	16	5.333	6.159	9.144	1.00	0.00
ATOM	481	C1'	DG	16	5.735	4.965	8.500	1.00	0.00
ATOM	482	H1'	DG	16	6.566	4.566	9.082	1.00	0.00
ATOM	483	N9	DG	16	4.760	3.877	8.500	1.00	0.00
ATOM	484	C8	DG	16	5.035	2.529	8.500	1.00	0.00
ATOM	485	H8	DG	16	6.045	2.147	8.498	1.00	0.00
ATOM	486	N7	DG	16	3.915	1.794	8.500	1.00	0.00
ATOM	487	C5	DG	16	2.935	2.720	8.500	1.00	0.00
ATOM	488	C6	DG	16	1.541	2.561	8.500	1.00	0.00
ATOM	489	O6	DG	16	0.891	1.513	8.500	1.00	0.00
ATOM	490	N1	DG	16	0.890	3.770	8.500	1.00	0.00
ATOM	491	H1	DG	16	-0.109	3.718	8.500	1.00	0.00
ATOM	492	C2	DG	16	1.453	5.009	8.500	1.00	0.00
ATOM	493	N2	DG	16	0.641	6.070	8.500	1.00	0.00
ATOM	494	H21	DG	16	-0.369	6.063	8.488	1.00	0.00
ATOM	495	H22	DG	16	1.084	6.977	8.491	1.00	0.00
ATOM	496	N3	DG	16	2.774	5.170	8.500	1.00	0.00
ATOM	497	C4	DG	16	3.431	4.003	8.500	1.00	0.00
ATOM	498	C3'	DG	16	6.935	6.570	7.430	1.00	0.00
ATOM	499	H3'	DG	16	7.156	7.160	6.540	1.00	0.00
ATOM	500	C2'	DG	16	5.952	5.475	7.078	1.00	0.00
ATOM	501	H2'	DG	16	5.354	5.785	6.221	1.00	0.00
ATOM	502	H2''	DG	16	6.496	4.563	6.831	1.00	0.00
ATOM	503	O3'	DG	16	8.124	5.942	7.926	1.00	0.00
ATOM	504	P	DA	17	9.236	5.327	6.936	1.00	0.00
ATOM	505	OP1	DA	17	9.984	4.270	7.655	1.00	0.00
ATOM	506	OP2	DA	17	10.047	6.425	6.362	1.00	0.00
ATOM	507	O5'	DA	17	8.422	4.780	5.572	1.00	0.00
ATOM	508	C5'	DA	17	8.995	3.887	4.627	1.00	0.00
ATOM	509	H5'	DA	17	9.968	4.268	4.315	1.00	0.00
ATOM	510	H5''	DA	17	8.358	3.833	3.744	1.00	0.00
ATOM	511	C4'	DA	17	9.159	2.476	5.159	1.00	0.00
ATOM	512	H4'	DA	17	9.875	2.405	5.978	1.00	0.00
ATOM	513	O4'	DA	17	7.888	2.039	5.744	1.00	0.00
ATOM	514	C1'	DA	17	7.541	0.827	5.100	1.00	0.00
ATOM	515	H1'	DA	17	7.994	-0.014	5.625	1.00	0.00
ATOM	516	N9	DA	17	6.120	0.487	5.100	1.00	0.00
ATOM	517	C8	DA	17	5.482	-0.722	5.100	1.00	0.00
ATOM	518	H8	DA	17	6.026	-1.654	5.149	1.00	0.00
ATOM	519	N7	DA	17	4.145	-0.587	5.100	1.00	0.00
ATOM	520	C5	DA	17	3.943	0.740	5.100	1.00	0.00
ATOM	521	C6	DA	17	2.772	1.510	5.100	1.00	0.00
ATOM	522	N6	DA	17	1.546	0.980	5.100	1.00	0.00
ATOM	523	H61	DA	17	0.735	1.582	5.100	1.00	0.00
ATOM	524	H62	DA	17	1.430	-0.023	5.100	1.00	0.00
ATOM	525	N1	DA	17	2.931	2.834	5.100	1.00	0.00
ATOM	526	C2	DA	17	4.139	3.395	5.100	1.00	0.00
ATOM	527	H2	DA	17	4.271	4.467	5.100	1.00	0.00
ATOM	528	N3	DA	17	5.318	2.772	5.100	1.00	0.00
ATOM	529	C4	DA	17	5.134	1.434	5.100	1.00	0.00
ATOM	530	C3'	DA	17	9.440	1.467	4.030	1.00	0.00
ATOM	531	H3'	DA	17	9.957	1.827	3.140	1.00	0.00
ATOM	532	C2'	DA	17	8.009	1.124	3.678	1.00	0.00
ATOM	533	H2'	DA	17	7.693	1.719	2.821	1.00	0.00
ATOM	534	H2''	DA	17	7.939	0.065	3.430	1.00	0.00
ATOM	535	O3'	DA	17	10.061	0.275	4.526	1.00	0.00
ATOM	536	P	DA	18	10.627	-0.863	3.536	1.00	0.00

ATOM	537	OP1	DA	18	10.642	-2.158	4.255	1.00	0.00
ATOM	538	OP2	DA	18	11.919	-0.421	2.962	1.00	0.00
ATOM	539	O5'	DA	18	9.647	-0.851	2.172	1.00	0.00
ATOM	540	C5'	DA	18	9.611	-1.912	1.227	1.00	0.00
ATOM	541	H5'	DA	18	10.628	-2.152	0.915	1.00	0.00
ATOM	542	H5''	DA	18	9.056	-1.594	0.344	1.00	0.00
ATOM	543	C4'	DA	18	8.944	-3.166	1.759	1.00	0.00
ATOM	544	H4'	DA	18	9.493	-3.632	2.578	1.00	0.00
ATOM	545	O4'	DA	18	7.649	-2.803	2.344	1.00	0.00
ATOM	546	C1'	DA	18	6.676	-3.603	1.700	1.00	0.00
ATOM	547	H1'	DA	18	6.572	-4.553	2.225	1.00	0.00
ATOM	548	N9	DA	18	5.313	-3.076	1.700	1.00	0.00
ATOM	549	C8	DA	18	4.101	-3.708	1.700	1.00	0.00
ATOM	550	H8	DA	18	4.020	-4.784	1.749	1.00	0.00
ATOM	551	N7	DA	18	3.077	-2.838	1.700	1.00	0.00
ATOM	552	C5	DA	18	3.665	-1.631	1.700	1.00	0.00
ATOM	553	C6	DA	18	3.139	-0.332	1.700	1.00	0.00
ATOM	554	N6	DA	18	1.830	-0.072	1.700	1.00	0.00
ATOM	555	H61	DA	18	1.505	0.884	1.700	1.00	0.00
ATOM	556	H62	DA	18	1.164	-0.832	1.700	1.00	0.00
ATOM	557	N1	DA	18	4.022	0.667	1.700	1.00	0.00
ATOM	558	C2	DA	18	5.335	0.442	1.700	1.00	0.00
ATOM	559	H2	DA	18	6.053	1.249	1.700	1.00	0.00
ATOM	560	N3	DA	18	5.951	-0.740	1.700	1.00	0.00
ATOM	561	C4	DA	18	5.040	-1.737	1.700	1.00	0.00
ATOM	562	C3'	DA	18	8.602	-4.156	0.630	1.00	0.00
ATOM	563	H3'	DA	18	9.232	-4.153	-0.260	1.00	0.00
ATOM	564	C2'	DA	18	7.229	-3.625	0.278	1.00	0.00
ATOM	565	H2'	DA	18	7.306	-2.956	-0.579	1.00	0.00
ATOM	566	H2''	DA	18	6.570	-4.457	0.031	1.00	0.00
ATOM	567	O3'	DA	18	8.436	-5.490	1.126	1.00	0.00
ATOM	568	P	DT	19	8.255	-6.748	0.136	1.00	0.00
ATOM	569	OP1	DT	19	7.532	-7.822	0.855	1.00	0.00
ATOM	570	OP2	DT	19	9.569	-7.118	-0.438	1.00	0.00
ATOM	571	O5'	DT	19	7.455	-6.181	-1.228	1.00	0.00
ATOM	572	C5'	DT	19	6.823	-7.033	-2.173	1.00	0.00
ATOM	573	H5'	DT	19	7.524	-7.807	-2.485	1.00	0.00
ATOM	574	H5''	DT	19	6.547	-6.456	-3.055	1.00	0.00
ATOM	575	C4'	DT	19	5.561	-7.687	-1.641	1.00	0.00
ATOM	576	H4'	DT	19	5.748	-8.382	-0.822	1.00	0.00
ATOM	577	O4'	DT	19	4.702	-6.653	-1.056	1.00	0.00
ATOM	578	C1'	DT	19	3.447	-6.758	-1.700	1.00	0.00
ATOM	579	H1'	DT	19	2.829	-7.476	-1.160	1.00	0.00
ATOM	580	N1	DT	19	2.624	-5.550	-1.700	1.00	0.00
ATOM	581	C6	DT	19	1.306	-5.840	-1.700	1.00	0.00
ATOM	582	H6	DT	19	0.978	-6.868	-1.656	1.00	0.00
ATOM	583	C5	DT	19	0.363	-4.849	-1.700	1.00	0.00
ATOM	584	C7	DT	19	-1.082	-5.286	-1.700	1.00	0.00
ATOM	585	H71	DT	19	-1.282	-5.883	-0.810	1.00	0.00
ATOM	586	H72	DT	19	-1.728	-4.408	-1.700	1.00	0.00
ATOM	587	H73	DT	19	-1.282	-5.883	-2.590	1.00	0.00
ATOM	588	C4	DT	19	0.774	-3.523	-1.700	1.00	0.00
ATOM	589	O4	DT	19	0.012	-2.565	-1.700	1.00	0.00
ATOM	590	N3	DT	19	2.104	-3.313	-1.700	1.00	0.00
ATOM	591	H3	DT	19	2.454	-2.281	-1.700	1.00	0.00
ATOM	592	C2	DT	19	3.041	-4.267	-1.700	1.00	0.00
ATOM	593	O2	DT	19	4.234	-3.983	-1.700	1.00	0.00
ATOM	594	C3'	DT	19	4.718	-8.307	-2.770	1.00	0.00
ATOM	595	H3'	DT	19	5.238	-8.662	-3.660	1.00	0.00
ATOM	596	C2'	DT	19	3.890	-7.090	-3.122	1.00	0.00

ATOM	597	H2'	DT	19	4.334	-6.583	-3.979	1.00	0.00
ATOM	598	H2''	DT	19	2.875	-7.400	-3.370	1.00	0.00
ATOM	599	O3'	DT	19	3.823	-9.311	-2.274	1.00	0.00
ATOM	600	P	DT	20	2.960	-10.243	-3.264	1.00	0.00
ATOM	601	OP1	DT	20	1.754	-10.716	-2.545	1.00	0.00
ATOM	602	OP2	DT	20	3.831	-11.294	-3.838	1.00	0.00
ATOM	603	O5'	DT	20	2.624	-9.322	-4.628	1.00	0.00
ATOM	604	C5'	DT	20	1.619	-9.664	-5.573	1.00	0.00
ATOM	605	H5'	DT	20	1.756	-10.699	-5.886	1.00	0.00
ATOM	606	H5''	DT	20	1.719	-9.032	-6.455	1.00	0.00
ATOM	607	C4'	DT	20	0.209	-9.486	-5.041	1.00	0.00
ATOM	608	H4'	DT	20	-0.033	-10.164	-4.223	1.00	0.00
ATOM	609	O4'	DT	20	0.090	-8.147	-4.456	1.00	0.00
ATOM	610	C1'	DT	20	-1.003	-7.519	-5.100	1.00	0.00
ATOM	611	H1'	DT	20	-1.919	-7.758	-4.559	1.00	0.00
ATOM	612	N1	DT	20	-0.993	-6.058	-5.100	1.00	0.00
ATOM	613	C6	DT	20	-2.243	-5.548	-5.100	1.00	0.00
ATOM	614	H6	DT	20	-3.097	-6.208	-5.056	1.00	0.00
ATOM	615	C5	DT	20	-2.456	-4.197	-5.100	1.00	0.00
ATOM	616	C7	DT	20	-3.894	-3.736	-5.100	1.00	0.00
ATOM	617	H71	DT	20	-4.397	-4.114	-4.210	1.00	0.00
ATOM	618	H72	DT	20	-3.927	-2.646	-5.100	1.00	0.00
ATOM	619	H73	DT	20	-4.397	-4.114	-5.990	1.00	0.00
ATOM	620	C4	DT	20	-1.365	-3.339	-5.100	1.00	0.00
ATOM	621	O4	DT	20	-1.448	-2.117	-5.100	1.00	0.00
ATOM	622	N3	DT	20	-0.151	-3.922	-5.100	1.00	0.00
ATOM	623	H3	DT	20	0.724	-3.272	-5.100	1.00	0.00
ATOM	624	C2	DT	20	0.078	-5.239	-5.100	1.00	0.00
ATOM	625	O2	DT	20	1.222	-5.683	-5.100	1.00	0.00
ATOM	626	C3'	DT	20	-0.837	-9.516	-6.170	1.00	0.00
ATOM	627	H3'	DT	20	-0.611	-10.104	-7.060	1.00	0.00
ATOM	628	C2'	DT	20	-0.827	-8.045	-6.522	1.00	0.00
ATOM	629	H2'	DT	20	-0.174	-7.880	-7.379	1.00	0.00
ATOM	630	H2''	DT	20	-1.839	-7.723	-6.770	1.00	0.00
ATOM	631	O3'	DT	20	-2.143	-9.834	-5.674	1.00	0.00
ATOM	632	P	DC	21	-3.384	-10.111	-6.664	1.00	0.00
ATOM	633	OP1	DC	21	-4.644	-9.816	-5.945	1.00	0.00
ATOM	634	OP2	DC	21	-3.264	-11.471	-7.238	1.00	0.00
ATOM	635	O5'	DC	21	-3.137	-9.162	-8.028	1.00	0.00
ATOM	636	C5'	DC	21	-4.158	-8.873	-8.973	1.00	0.00
ATOM	637	H5'	DC	21	-4.634	-9.803	-9.286	1.00	0.00
ATOM	638	H5''	DC	21	-3.717	-8.410	-9.855	1.00	0.00
ATOM	639	C4'	DC	21	-5.217	-7.925	-8.441	1.00	0.00
ATOM	640	H4'	DC	21	-5.801	-8.346	-7.622	1.00	0.00
ATOM	641	O4'	DC	21	-4.554	-6.755	-7.856	1.00	0.00
ATOM	642	C1'	DC	21	-5.097	-5.618	-8.500	1.00	0.00
ATOM	643	H1'	DC	21	-5.969	-5.322	-7.917	1.00	0.00
ATOM	644	N1	DC	21	-4.259	-4.421	-8.500	1.00	0.00
ATOM	645	C6	DC	21	-4.895	-3.210	-8.500	1.00	0.00
ATOM	646	H6	DC	21	-5.974	-3.158	-8.500	1.00	0.00
ATOM	647	C5	DC	21	-4.171	-2.040	-8.500	1.00	0.00
ATOM	648	H5	DC	21	-4.675	-1.073	-8.500	1.00	0.00
ATOM	649	C4	DC	21	-2.800	-2.174	-8.500	1.00	0.00
ATOM	650	N4	DC	21	-2.016	-1.105	-8.500	1.00	0.00
ATOM	651	H41	DC	21	-1.017	-1.255	-8.500	1.00	0.00
ATOM	652	H42	DC	21	-2.418	-0.179	-8.500	1.00	0.00
ATOM	653	N3	DC	21	-2.192	-3.390	-8.500	1.00	0.00
ATOM	654	C2	DC	21	-2.919	-4.536	-8.500	1.00	0.00
ATOM	655	O2	DC	21	-2.381	-5.637	-8.500	1.00	0.00
ATOM	656	C3'	DC	21	-6.095	-7.356	-9.570	1.00	0.00

ATOM	657	H3'	DC	21	-6.243	-7.968	-10.460	1.00	0.00
ATOM	658	C2'	DC	21	-5.251	-6.150	-9.922	1.00	0.00
ATOM	659	H2'	DC	21	-4.620	-6.385	-10.779	1.00	0.00
ATOM	660	H2''	DC	21	-5.901	-5.311	-10.170	1.00	0.00
ATOM	661	O3'	DC	21	-7.351	-6.875	-9.074	1.00	0.00
ATOM	662	P	DG	22	-8.529	-6.398	-10.064	1.00	0.00
ATOM	663	OP1	DG	22	-9.399	-5.439	-9.345	1.00	0.00
ATOM	664	OP2	DG	22	-9.203	-7.585	-10.638	1.00	0.00
ATOM	665	O5'	DG	22	-7.787	-5.757	-11.428	1.00	0.00
ATOM	666	C5'	DG	22	-8.463	-4.939	-12.373	1.00	0.00
ATOM	667	H5'	DG	22	-9.382	-5.434	-12.686	1.00	0.00
ATOM	668	H5''	DG	22	-7.836	-4.808	-13.255	1.00	0.00
ATOM	669	C4'	DG	22	-8.796	-3.558	-11.841	1.00	0.00
ATOM	670	H4'	DG	22	-9.516	-3.572	-11.023	1.00	0.00
ATOM	671	O4'	DG	22	-7.586	-2.972	-11.256	1.00	0.00
ATOM	672	C1'	DG	22	-7.387	-1.727	-11.900	1.00	0.00
ATOM	673	H1'	DG	22	-7.937	-0.988	-11.318	1.00	0.00
ATOM	674	N9	DG	22	-6.017	-1.218	-11.900	1.00	0.00
ATOM	675	C8	DG	22	-5.634	0.103	-11.900	1.00	0.00
ATOM	676	H8	DG	22	-6.351	0.911	-11.902	1.00	0.00
ATOM	677	N7	DG	22	-4.300	0.233	-11.900	1.00	0.00
ATOM	678	C5	DG	22	-3.864	-1.042	-11.900	1.00	0.00
ATOM	679	C6	DG	22	-2.555	-1.550	-11.900	1.00	0.00
ATOM	680	O6	DG	22	-1.493	-0.925	-11.900	1.00	0.00
ATOM	681	N1	DG	22	-2.542	-2.924	-11.900	1.00	0.00
ATOM	682	H1	DG	22	-1.634	-3.343	-11.900	1.00	0.00
ATOM	683	C2	DG	22	-3.617	-3.758	-11.900	1.00	0.00
ATOM	684	N2	DG	22	-3.391	-5.075	-11.900	1.00	0.00
ATOM	685	H21	DG	22	-2.493	-5.538	-11.912	1.00	0.00
ATOM	686	H22	DG	22	-4.205	-5.672	-11.909	1.00	0.00
ATOM	687	N3	DG	22	-4.861	-3.286	-11.900	1.00	0.00
ATOM	688	C4	DG	22	-4.899	-1.948	-11.900	1.00	0.00
ATOM	689	C3'	DG	22	-9.195	-2.591	-12.970	1.00	0.00
ATOM	690	H3'	DG	22	-9.665	-3.011	-13.860	1.00	0.00
ATOM	691	C2'	DG	22	-7.816	-2.078	-13.322	1.00	0.00
ATOM	692	H2'	DG	22	-7.430	-2.630	-14.179	1.00	0.00
ATOM	693	H2''	DG	22	-7.874	-1.018	-13.570	1.00	0.00
ATOM	694	O3'	DG	22	-9.955	-1.482	-12.474	1.00	0.00
ATOM	695	P	DC	23	-10.654	-0.420	-13.464	1.00	0.00
ATOM	696	OP1	DC	23	-10.825	0.864	-12.745	1.00	0.00
ATOM	697	OP2	DC	23	-11.883	-1.014	-14.038	1.00	0.00
ATOM	698	O5'	DC	23	-9.679	-0.314	-14.828	1.00	0.00
ATOM	699	C5'	DC	23	-9.771	0.743	-15.773	1.00	0.00
ATOM	700	H5'	DC	23	-10.809	0.858	-16.085	1.00	0.00
ATOM	701	H5''	DC	23	-9.182	0.494	-16.656	1.00	0.00
ATOM	702	C4'	DC	23	-9.260	2.069	-15.241	1.00	0.00
ATOM	703	H4'	DC	23	-9.860	2.466	-14.422	1.00	0.00
ATOM	704	O4'	DC	23	-7.931	1.864	-14.656	1.00	0.00
ATOM	705	C1'	DC	23	-7.060	2.775	-15.300	1.00	0.00
ATOM	706	H1'	DC	23	-7.092	3.695	-14.717	1.00	0.00
ATOM	707	N1	DC	23	-5.644	2.416	-15.300	1.00	0.00
ATOM	708	C6	DC	23	-4.737	3.439	-15.300	1.00	0.00
ATOM	709	H6	DC	23	-5.071	4.466	-15.300	1.00	0.00
ATOM	710	C5	DC	23	-3.386	3.177	-15.300	1.00	0.00
ATOM	711	H5	DC	23	-2.661	3.991	-15.300	1.00	0.00
ATOM	712	C4	DC	23	-3.025	1.848	-15.300	1.00	0.00
ATOM	713	N4	DC	23	-1.748	1.494	-15.300	1.00	0.00
ATOM	714	H41	DC	23	-1.534	0.507	-15.300	1.00	0.00
ATOM	715	H42	DC	23	-1.024	2.199	-15.300	1.00	0.00
ATOM	716	N3	DC	23	-3.947	0.849	-15.300	1.00	0.00

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ATOM	1	HO5'	DC5	1	2.921	7.620	-20.685	1.00	0.00
ATOM	2	O5'	DC5	1	2.013	7.575	-20.378	1.00	0.00
ATOM	3	C5'	DC5	1	0.948	7.588	-21.346	1.00	0.00
ATOM	4	H5'	DC5	1	1.053	6.734	-22.015	1.00	0.00
ATOM	5	H5''	DC5	1	0.996	8.510	-21.925	1.00	0.00
ATOM	6	C4'	DC5	1	-0.394	7.509	-20.643	1.00	0.00
ATOM	7	H4'	DC5	1	-1.178	7.867	-21.311	1.00	0.00
ATOM	8	O4'	DC5	1	-0.723	6.108	-20.413	1.00	0.00
ATOM	9	C1'	DC5	1	-0.547	5.785	-19.042	1.00	0.00
ATOM	10	H1'	DC5	1	-1.492	5.436	-18.625	1.00	0.00
ATOM	11	N1	DC5	1	0.336	4.589	-18.960	1.00	0.00
ATOM	12	C6	DC5	1	1.690	4.713	-18.989	1.00	0.00
ATOM	13	H6	DC5	1	2.140	5.691	-19.072	1.00	0.00
ATOM	14	C5	DC5	1	2.495	3.623	-18.915	1.00	0.00
ATOM	15	H5	DC5	1	3.578	3.743	-18.940	1.00	0.00
ATOM	16	C4	DC5	1	1.852	2.348	-18.805	1.00	0.00
ATOM	17	N4	DC5	1	2.575	1.242	-18.728	1.00	0.00
ATOM	18	H41	DC5	1	2.083	0.364	-18.652	1.00	0.00
ATOM	19	H42	DC5	1	3.584	1.291	-18.746	1.00	0.00
ATOM	20	N3	DC5	1	0.517	2.237	-18.777	1.00	0.00
ATOM	21	C2	DC5	1	-0.270	3.340	-18.853	1.00	0.00
ATOM	22	O2	DC5	1	-1.506	3.277	-18.831	1.00	0.00
ATOM	23	C3'	DC5	1	-0.455	8.146	-19.255	1.00	0.00
ATOM	24	H3'	DC5	1	0.207	9.005	-19.145	1.00	0.00
ATOM	25	C2'	DC5	1	0.021	7.016	-18.343	1.00	0.00
ATOM	26	H2'	DC5	1	0.959	7.302	-17.868	1.00	0.00
ATOM	27	H2''	DC5	1	-0.730	6.826	-17.576	1.00	0.00
ATOM	28	O3'	DC5	1	-1.781	8.512	-18.897	1.00	0.00
ATOM	29	P	DG	2	-2.140	8.714	-17.351	1.00	0.00
ATOM	30	OP1	DG	2	-0.894	8.874	-16.569	1.00	0.00
ATOM	31	OP2	DG	2	-3.133	9.804	-17.210	1.00	0.00
ATOM	32	O5'	DG	2	-2.824	7.312	-16.998	1.00	0.00
ATOM	33	C5'	DG	2	-3.693	6.696	-17.966	1.00	0.00
ATOM	34	H5'	DG	2	-3.105	6.067	-18.634	1.00	0.00
ATOM	35	H5''	DG	2	-4.197	7.469	-18.546	1.00	0.00
ATOM	36	C4'	DG	2	-4.732	5.843	-17.263	1.00	0.00
ATOM	37	H4'	DG	2	-5.576	5.672	-17.931	1.00	0.00
ATOM	38	O4'	DG	2	-4.175	4.517	-17.033	1.00	0.00
ATOM	39	C1'	DG	2	-3.843	4.359	-15.662	1.00	0.00
ATOM	40	H1'	DG	2	-4.403	3.522	-15.244	1.00	0.00
ATOM	41	N9	DG	2	-2.425	3.910	-15.580	1.00	0.00
ATOM	42	C8	DG	2	-1.271	4.663	-15.594	1.00	0.00
ATOM	43	H8	DG	2	-1.328	5.738	-15.675	1.00	0.00
ATOM	44	N7	DG	2	-0.171	3.954	-15.505	1.00	0.00
ATOM	45	C5	DG	2	-0.629	2.640	-15.426	1.00	0.00
ATOM	46	C6	DG	2	0.096	1.426	-15.313	1.00	0.00
ATOM	47	O6	DG	2	1.311	1.257	-15.257	1.00	0.00
ATOM	48	N1	DG	2	-0.764	0.319	-15.263	1.00	0.00
ATOM	49	H1	DG	2	-0.346	-0.586	-15.182	1.00	0.00
ATOM	50	C2	DG	2	-2.143	0.379	-15.316	1.00	0.00
ATOM	51	N2	DG	2	-2.783	-0.791	-15.253	1.00	0.00
ATOM	52	H21	DG	2	-2.367	-1.709	-15.183	1.00	0.00
ATOM	53	H22	DG	2	-3.791	-0.757	-15.300	1.00	0.00
ATOM	54	N3	DG	2	-2.822	1.519	-15.422	1.00	0.00
ATOM	55	C4	DG	2	-2.003	2.603	-15.471	1.00	0.00
ATOM	56	C3'	DG	2	-5.157	6.323	-15.875	1.00	0.00
ATOM	57	H3'	DG	2	-5.127	7.407	-15.764	1.00	0.00

ATOM	58	C2'	DG	2	-4.107	5.688	-14.963	1.00	0.00
ATOM	59	H2'	DG	2	-3.516	6.471	-14.488	1.00	0.00
ATOM	60	H2''	DG	2	-4.603	5.093	-14.196	1.00	0.00
ATOM	61	O3'	DG	2	-6.444	5.839	-15.517	1.00	0.00
ATOM	62	P	DC	3	-6.854	5.792	-13.971	1.00	0.00
ATOM	63	OP1	DC	3	-5.939	6.654	-13.189	1.00	0.00
ATOM	64	OP2	DC	3	-8.297	6.090	-13.830	1.00	0.00
ATOM	65	O5'	DC	3	-6.582	4.255	-13.618	1.00	0.00
ATOM	66	C5'	DC	3	-6.924	3.246	-14.586	1.00	0.00
ATOM	67	H5'	DC	3	-6.079	3.082	-15.255	1.00	0.00
ATOM	68	H5''	DC	3	-7.786	3.575	-15.166	1.00	0.00
ATOM	69	C4'	DC	3	-7.263	1.946	-13.883	1.00	0.00
ATOM	70	H4'	DC	3	-7.846	1.312	-14.551	1.00	0.00
ATOM	71	O4'	DC	3	-6.033	1.200	-13.653	1.00	0.00
ATOM	72	C1'	DC	3	-5.671	1.268	-12.282	1.00	0.00
ATOM	73	H1'	DC	3	-5.632	0.262	-11.865	1.00	0.00
ATOM	74	N1	DC	3	-4.260	1.738	-12.200	1.00	0.00
ATOM	75	C6	DC	3	-3.960	3.064	-12.229	1.00	0.00
ATOM	76	H6	DC	3	-4.752	3.794	-12.312	1.00	0.00
ATOM	77	C5	DC	3	-2.674	3.493	-12.155	1.00	0.00
ATOM	78	H5	DC	3	-2.452	4.560	-12.180	1.00	0.00
ATOM	79	C4	DC	3	-1.661	2.486	-12.045	1.00	0.00
ATOM	80	N4	DC	3	-0.385	2.833	-11.968	1.00	0.00
ATOM	81	H41	DC	3	0.299	2.094	-11.891	1.00	0.00
ATOM	82	H42	DC	3	-0.120	3.808	-11.986	1.00	0.00
ATOM	83	N3	DC	3	-1.968	1.183	-12.017	1.00	0.00
ATOM	84	C2	DC	3	-3.260	0.775	-12.093	1.00	0.00
ATOM	85	O2	DC	3	-3.582	-0.419	-12.071	1.00	0.00
ATOM	86	C3'	DC	3	-7.888	2.084	-12.495	1.00	0.00
ATOM	87	H3'	DC	3	-8.501	2.978	-12.384	1.00	0.00
ATOM	88	C2'	DC	3	-6.666	2.188	-11.583	1.00	0.00
ATOM	89	H2'	DC	3	-6.649	3.169	-11.108	1.00	0.00
ATOM	90	H2''	DC	3	-6.717	1.415	-10.817	1.00	0.00
ATOM	91	O3'	DC	3	-8.645	0.936	-12.137	1.00	0.00
ATOM	92	P	DG	4	-8.949	0.657	-10.591	1.00	0.00
ATOM	93	OP1	DG	4	-8.716	1.892	-9.809	1.00	0.00
ATOM	94	OP2	DG	4	-10.292	0.050	-10.450	1.00	0.00
ATOM	95	O5'	DG	4	-7.826	-0.427	-10.238	1.00	0.00
ATOM	96	C5'	DG	4	-7.510	-1.443	-11.206	1.00	0.00
ATOM	97	H5'	DG	4	-6.730	-1.079	-11.875	1.00	0.00
ATOM	98	H5''	DG	4	-8.401	-1.683	-11.786	1.00	0.00
ATOM	99	C4'	DG	4	-7.020	-2.695	-10.503	1.00	0.00
ATOM	100	H4'	DG	4	-7.119	-3.551	-11.171	1.00	0.00
ATOM	101	O4'	DG	4	-5.586	-2.575	-10.273	1.00	0.00
ATOM	102	C1'	DG	4	-5.333	-2.308	-8.902	1.00	0.00
ATOM	103	H1'	DG	4	-4.710	-3.099	-8.484	1.00	0.00
ATOM	104	N9	DG	4	-4.468	-1.098	-8.820	1.00	0.00
ATOM	105	C8	DG	4	-4.827	0.232	-8.834	1.00	0.00
ATOM	106	H8	DG	4	-5.868	0.509	-8.915	1.00	0.00
ATOM	107	N7	DG	4	-3.814	1.059	-8.745	1.00	0.00
ATOM	108	C5	DG	4	-2.705	0.218	-8.666	1.00	0.00
ATOM	109	C6	DG	4	-1.326	0.532	-8.553	1.00	0.00
ATOM	110	O6	DG	4	-0.790	1.635	-8.497	1.00	0.00
ATOM	111	N1	DG	4	-0.540	-0.628	-8.503	1.00	0.00
ATOM	112	H1	DG	4	0.450	-0.509	-8.421	1.00	0.00
ATOM	113	C2	DG	4	-1.023	-1.921	-8.556	1.00	0.00
ATOM	114	N2	DG	4	-0.108	-2.891	-8.493	1.00	0.00
ATOM	115	H21	DG	4	0.893	-2.778	-8.423	1.00	0.00
ATOM	116	H22	DG	4	-0.452	-3.839	-8.540	1.00	0.00
ATOM	117	N3	DG	4	-2.317	-2.214	-8.662	1.00	0.00

ATOM	118	C4	DG	4	-3.094	-1.101	-8.711	1.00	0.00
ATOM	119	C3'	DG	4	-7.607	-2.950	-9.115	1.00	0.00
ATOM	120	H3'	DG	4	-8.629	-2.586	-9.004	1.00	0.00
ATOM	121	C2'	DG	4	-6.679	-2.148	-8.203	1.00	0.00
ATOM	122	H2'	DG	4	-7.241	-1.344	-7.728	1.00	0.00
ATOM	123	H2''	DG	4	-6.267	-2.804	-7.436	1.00	0.00
ATOM	124	O3'	DG	4	-7.545	-4.324	-8.757	1.00	0.00
ATOM	125	P	DA	5	-7.626	-4.728	-7.211	1.00	0.00
ATOM	126	OP1	DA	5	-8.164	-3.592	-6.429	1.00	0.00
ATOM	127	OP2	DA	5	-8.356	-6.009	-7.070	1.00	0.00
ATOM	128	O5'	DA	5	-6.081	-4.945	-6.858	1.00	0.00
ATOM	129	C5'	DA	5	-5.227	-5.582	-7.826	1.00	0.00
ATOM	130	H5'	DA	5	-4.810	-4.829	-8.495	1.00	0.00
ATOM	131	H5''	DA	5	-5.807	-6.301	-8.405	1.00	0.00
ATOM	132	C4'	DA	5	-4.095	-6.306	-7.123	1.00	0.00
ATOM	133	H4'	DA	5	-3.672	-7.056	-7.791	1.00	0.00
ATOM	134	O4'	DA	5	-3.006	-5.367	-6.893	1.00	0.00
ATOM	135	C1'	DA	5	-2.958	-5.002	-5.522	1.00	0.00
ATOM	136	H1'	DA	5	-2.017	-5.267	-5.040	1.00	0.00
ATOM	137	N9	DA	5	-2.969	-3.515	-5.440	1.00	0.00
ATOM	138	C8	DA	5	-4.043	-2.654	-5.455	1.00	0.00
ATOM	139	H8	DA	5	-5.049	-3.046	-5.487	1.00	0.00
ATOM	140	N7	DA	5	-3.715	-1.402	-5.366	1.00	0.00
ATOM	141	C5	DA	5	-2.330	-1.422	-5.287	1.00	0.00
ATOM	142	C6	DA	5	-1.373	-0.401	-5.175	1.00	0.00
ATOM	143	N6	DA	5	-1.684	0.902	-5.121	1.00	0.00
ATOM	144	H61	DA	5	-0.952	1.593	-5.040	1.00	0.00
ATOM	145	H62	DA	5	-2.650	1.193	-5.161	1.00	0.00
ATOM	146	N1	DA	5	-0.079	-0.769	-5.121	1.00	0.00
ATOM	147	C2	DA	5	0.223	-2.065	-5.175	1.00	0.00
ATOM	148	H2	DA	5	1.255	-2.382	-5.132	1.00	0.00
ATOM	149	N3	DA	5	-0.580	-3.101	-5.279	1.00	0.00
ATOM	150	C4	DA	5	-1.868	-2.705	-5.332	1.00	0.00
ATOM	151	C3'	DA	5	-4.420	-6.858	-5.735	1.00	0.00
ATOM	152	H3'	DA	5	-5.460	-7.164	-5.624	1.00	0.00
ATOM	153	C2'	DA	5	-4.141	-5.664	-4.823	1.00	0.00
ATOM	154	H2'	DA	5	-5.069	-5.344	-4.348	1.00	0.00
ATOM	155	H2''	DA	5	-3.422	-5.952	-4.056	1.00	0.00
ATOM	156	O3'	DA	5	-3.562	-7.933	-5.377	1.00	0.00
ATOM	157	P	DA	6	-3.390	-8.308	-3.831	1.00	0.00
ATOM	158	OP1	DA	6	-4.493	-7.705	-3.049	1.00	0.00
ATOM	159	OP2	DA	6	-3.228	-9.773	-3.690	1.00	0.00
ATOM	160	O5'	DA	6	-2.013	-7.575	-3.478	1.00	0.00
ATOM	161	C5'	DA	6	-0.948	-7.588	-4.446	1.00	0.00
ATOM	162	H5'	DA	6	-1.053	-6.734	-5.115	1.00	0.00
ATOM	163	H5''	DA	6	-0.995	-8.510	-5.026	1.00	0.00
ATOM	164	C4'	DA	6	0.394	-7.509	-3.743	1.00	0.00
ATOM	165	H4'	DA	6	1.178	-7.867	-4.411	1.00	0.00
ATOM	166	O4'	DA	6	0.723	-6.108	-3.513	1.00	0.00
ATOM	167	C1'	DA	6	0.547	-5.785	-2.142	1.00	0.00
ATOM	168	H1'	DA	6	1.464	-5.447	-1.659	1.00	0.00
ATOM	169	N9	DA	6	-0.336	-4.589	-2.060	1.00	0.00
ATOM	170	C8	DA	6	-1.711	-4.523	-2.075	1.00	0.00
ATOM	171	H8	DA	6	-2.294	-5.432	-2.107	1.00	0.00
ATOM	172	N7	DA	6	-2.182	-3.318	-1.986	1.00	0.00
ATOM	173	C5	DA	6	-1.050	-2.520	-1.907	1.00	0.00
ATOM	174	C6	DA	6	-0.875	-1.131	-1.795	1.00	0.00
ATOM	175	N6	DA	6	-1.892	-0.260	-1.741	1.00	0.00
ATOM	176	H61	DA	6	-1.706	0.729	-1.660	1.00	0.00
ATOM	177	H62	DA	6	-2.845	-0.593	-1.781	1.00	0.00

ATOM	178	N1	DA	6	0.388	-0.669	-1.741	1.00	0.00
ATOM	179	C2	DA	6	1.394	-1.540	-1.795	1.00	0.00
ATOM	180	H2	DA	6	2.415	-1.189	-1.752	1.00	0.00
ATOM	181	N3	DA	6	1.354	-2.850	-1.899	1.00	0.00
ATOM	182	C4	DA	6	0.079	-3.287	-1.952	1.00	0.00
ATOM	183	C3'	DA	6	0.455	-8.146	-2.355	1.00	0.00
ATOM	184	H3'	DA	6	-0.207	-9.005	-2.245	1.00	0.00
ATOM	185	C2'	DA	6	-0.021	-7.016	-1.443	1.00	0.00
ATOM	186	H2'	DA	6	-0.959	-7.302	-0.968	1.00	0.00
ATOM	187	H2''	DA	6	0.730	-6.826	-0.676	1.00	0.00
ATOM	188	O3'	DA	6	1.781	-8.512	-1.997	1.00	0.00
ATOM	189	P	DT	7	2.140	-8.714	-0.451	1.00	0.00
ATOM	190	OP1	DT	7	0.894	-8.874	0.331	1.00	0.00
ATOM	191	OP2	DT	7	3.133	-9.804	-0.310	1.00	0.00
ATOM	192	O5'	DT	7	2.824	-7.312	-0.098	1.00	0.00
ATOM	193	C5'	DT	7	3.693	-6.696	-1.066	1.00	0.00
ATOM	194	H5'	DT	7	3.105	-6.067	-1.734	1.00	0.00
ATOM	195	H5''	DT	7	4.197	-7.469	-1.646	1.00	0.00
ATOM	196	C4'	DT	7	4.732	-5.843	-0.363	1.00	0.00
ATOM	197	H4'	DT	7	5.576	-5.672	-1.031	1.00	0.00
ATOM	198	O4'	DT	7	4.175	-4.517	-0.133	1.00	0.00
ATOM	199	C1'	DT	7	3.843	-4.359	1.238	1.00	0.00
ATOM	200	H1'	DT	7	4.388	-3.538	1.704	1.00	0.00
ATOM	201	N1	DT	7	2.425	-3.910	1.320	1.00	0.00
ATOM	202	C6	DT	7	1.398	-4.816	1.290	1.00	0.00
ATOM	203	H6	DT	7	1.613	-5.874	1.251	1.00	0.00
ATOM	204	C5	DT	7	0.117	-4.420	1.363	1.00	0.00
ATOM	205	C7	DT	7	-1.015	-5.404	1.332	1.00	0.00
ATOM	206	H71	DT	7	-0.922	-6.092	2.172	1.00	0.00
ATOM	207	H72	DT	7	-1.963	-4.871	1.403	1.00	0.00
ATOM	208	H73	DT	7	-0.984	-5.965	0.398	1.00	0.00
ATOM	209	C4	DT	7	-0.218	-3.021	1.476	1.00	0.00
ATOM	210	O4	DT	7	-1.361	-2.564	1.549	1.00	0.00
ATOM	211	N3	DT	7	0.876	-2.180	1.499	1.00	0.00
ATOM	212	H3	DT	7	0.674	-1.112	1.585	1.00	0.00
ATOM	213	C2	DT	7	2.202	-2.558	1.425	1.00	0.00
ATOM	214	O2	DT	7	3.103	-1.738	1.453	1.00	0.00
ATOM	215	C3'	DT	7	5.157	-6.323	1.025	1.00	0.00
ATOM	216	H3'	DT	7	5.127	-7.407	1.136	1.00	0.00
ATOM	217	C2'	DT	7	4.107	-5.688	1.937	1.00	0.00
ATOM	218	H2'	DT	7	3.516	-6.471	2.412	1.00	0.00
ATOM	219	H2''	DT	7	4.603	-5.093	2.704	1.00	0.00
ATOM	220	O3'	DT	7	6.444	-5.839	1.383	1.00	0.00
ATOM	221	P	DT	8	6.854	-5.792	2.929	1.00	0.00
ATOM	222	OP1	DT	8	5.939	-6.654	3.711	1.00	0.00
ATOM	223	OP2	DT	8	8.297	-6.090	3.070	1.00	0.00
ATOM	224	O5'	DT	8	6.582	-4.255	3.282	1.00	0.00
ATOM	225	C5'	DT	8	6.924	-3.246	2.314	1.00	0.00
ATOM	226	H5'	DT	8	6.079	-3.082	1.645	1.00	0.00
ATOM	227	H5''	DT	8	7.786	-3.575	1.734	1.00	0.00
ATOM	228	C4'	DT	8	7.263	-1.946	3.017	1.00	0.00
ATOM	229	H4'	DT	8	7.846	-1.312	2.349	1.00	0.00
ATOM	230	O4'	DT	8	6.033	-1.200	3.247	1.00	0.00
ATOM	231	C1'	DT	8	5.671	-1.268	4.618	1.00	0.00
ATOM	232	H1'	DT	8	5.629	-0.284	5.085	1.00	0.00
ATOM	233	N1	DT	8	4.260	-1.738	4.700	1.00	0.00
ATOM	234	C6	DT	8	3.962	-3.074	4.670	1.00	0.00
ATOM	235	H6	DT	8	4.758	-3.803	4.631	1.00	0.00
ATOM	236	C5	DT	8	2.693	-3.508	4.743	1.00	0.00
ATOM	237	C7	DT	8	2.355	-4.969	4.712	1.00	0.00

ATOM	238	H71	DT	8	2.835	-5.471	5.552	1.00	0.00
ATOM	239	H72	DT	8	1.275	-5.094	4.783	1.00	0.00
ATOM	240	H73	DT	8	2.710	-5.405	3.778	1.00	0.00
ATOM	241	C4	DT	8	1.599	-2.572	4.856	1.00	0.00
ATOM	242	O4	DT	8	0.406	-2.874	4.929	1.00	0.00
ATOM	243	N3	DT	8	1.990	-1.249	4.879	1.00	0.00
ATOM	244	H3	DT	8	1.199	-0.504	4.965	1.00	0.00
ATOM	245	C2	DT	8	3.285	-0.775	4.805	1.00	0.00
ATOM	246	O2	DT	8	3.532	0.418	4.833	1.00	0.00
ATOM	247	C3'	DT	8	7.888	-2.084	4.405	1.00	0.00
ATOM	248	H3'	DT	8	8.501	-2.978	4.516	1.00	0.00
ATOM	249	C2'	DT	8	6.666	-2.188	5.317	1.00	0.00
ATOM	250	H2'	DT	8	6.649	-3.169	5.792	1.00	0.00
ATOM	251	H2''	DT	8	6.717	-1.415	6.083	1.00	0.00
ATOM	252	O3'	DT	8	8.645	-0.936	4.763	1.00	0.00
ATOM	253	P	DC	9	8.949	-0.657	6.309	1.00	0.00
ATOM	254	OP1	DC	9	8.716	-1.892	7.091	1.00	0.00
ATOM	255	OP2	DC	9	10.292	-0.050	6.450	1.00	0.00
ATOM	256	O5'	DC	9	7.826	0.427	6.662	1.00	0.00
ATOM	257	C5'	DC	9	7.510	1.443	5.694	1.00	0.00
ATOM	258	H5'	DC	9	6.730	1.079	5.025	1.00	0.00
ATOM	259	H5''	DC	9	8.401	1.683	5.114	1.00	0.00
ATOM	260	C4'	DC	9	7.020	2.695	6.397	1.00	0.00
ATOM	261	H4'	DC	9	7.119	3.551	5.729	1.00	0.00
ATOM	262	O4'	DC	9	5.586	2.575	6.627	1.00	0.00
ATOM	263	C1'	DC	9	5.333	2.308	7.998	1.00	0.00
ATOM	264	H1'	DC	9	4.709	3.099	8.414	1.00	0.00
ATOM	265	N1	DC	9	4.468	1.098	8.080	1.00	0.00
ATOM	266	C6	DC	9	5.005	-0.151	8.051	1.00	0.00
ATOM	267	H6	DC	9	6.074	-0.276	7.968	1.00	0.00
ATOM	268	C5	DC	9	4.217	-1.254	8.125	1.00	0.00
ATOM	269	H5	DC	9	4.665	-2.247	8.100	1.00	0.00
ATOM	270	C4	DC	9	2.805	-1.035	8.235	1.00	0.00
ATOM	271	N4	DC	9	1.977	-2.066	8.312	1.00	0.00
ATOM	272	H41	DC	9	0.989	-1.870	8.388	1.00	0.00
ATOM	273	H42	DC	9	2.336	-3.010	8.294	1.00	0.00
ATOM	274	N3	DC	9	2.287	0.199	8.263	1.00	0.00
ATOM	275	C2	DC	9	3.093	1.289	8.187	1.00	0.00
ATOM	276	O2	DC	9	2.651	2.445	8.209	1.00	0.00
ATOM	277	C3'	DC	9	7.607	2.950	7.785	1.00	0.00
ATOM	278	H3'	DC	9	8.629	2.586	7.896	1.00	0.00
ATOM	279	C2'	DC	9	6.679	2.148	8.697	1.00	0.00
ATOM	280	H2'	DC	9	7.241	1.344	9.172	1.00	0.00
ATOM	281	H2''	DC	9	6.267	2.804	9.464	1.00	0.00
ATOM	282	O3'	DC	9	7.545	4.324	8.143	1.00	0.00
ATOM	283	P	DG	10	7.626	4.728	9.689	1.00	0.00
ATOM	284	OP1	DG	10	8.164	3.592	10.471	1.00	0.00
ATOM	285	OP2	DG	10	8.356	6.009	9.830	1.00	0.00
ATOM	286	O5'	DG	10	6.081	4.945	10.042	1.00	0.00
ATOM	287	C5'	DG	10	5.227	5.582	9.074	1.00	0.00
ATOM	288	H5'	DG	10	4.810	4.829	8.405	1.00	0.00
ATOM	289	H5''	DG	10	5.807	6.301	8.495	1.00	0.00
ATOM	290	C4'	DG	10	4.095	6.306	9.777	1.00	0.00
ATOM	291	H4'	DG	10	3.672	7.056	9.109	1.00	0.00
ATOM	292	O4'	DG	10	3.006	5.367	10.007	1.00	0.00
ATOM	293	C1'	DG	10	2.958	5.002	11.378	1.00	0.00
ATOM	294	H1'	DG	10	1.989	5.276	11.796	1.00	0.00
ATOM	295	N9	DG	10	2.969	3.515	11.460	1.00	0.00
ATOM	296	C8	DG	10	4.042	2.650	11.446	1.00	0.00
ATOM	297	H8	DG	10	5.047	3.037	11.365	1.00	0.00

ATOM	298	N7	DG	10	3.708	1.385	11.535	1.00	0.00
ATOM	299	C5	DG	10	2.317	1.414	11.614	1.00	0.00
ATOM	300	C6	DG	10	1.386	0.349	11.727	1.00	0.00
ATOM	301	O6	DG	10	1.600	-0.858	11.783	1.00	0.00
ATOM	302	N1	DG	10	0.068	0.825	11.777	1.00	0.00
ATOM	303	H1	DG	10	-0.663	0.148	11.858	1.00	0.00
ATOM	304	C2	DG	10	-0.301	2.155	11.724	1.00	0.00
ATOM	305	N2	DG	10	-1.612	2.402	11.787	1.00	0.00
ATOM	306	H21	DG	10	-2.356	1.722	11.857	1.00	0.00
ATOM	307	H22	DG	10	-1.891	3.372	11.740	1.00	0.00
ATOM	308	N3	DG	10	0.573	3.153	11.618	1.00	0.00
ATOM	309	C4	DG	10	1.856	2.709	11.569	1.00	0.00
ATOM	310	C3'	DG	10	4.420	6.858	11.165	1.00	0.00
ATOM	311	H3'	DG	10	5.460	7.164	11.276	1.00	0.00
ATOM	312	C2'	DG	10	4.141	5.664	12.077	1.00	0.00
ATOM	313	H2'	DG	10	5.069	5.344	12.552	1.00	0.00
ATOM	314	H2''	DG	10	3.422	5.952	12.844	1.00	0.00
ATOM	315	O3'	DG	10	3.562	7.933	11.523	1.00	0.00
ATOM	316	P	DC	11	3.390	8.308	13.069	1.00	0.00
ATOM	317	OP1	DC	11	4.493	7.705	13.851	1.00	0.00
ATOM	318	OP2	DC	11	3.228	9.773	13.210	1.00	0.00
ATOM	319	O5'	DC	11	2.013	7.575	13.422	1.00	0.00
ATOM	320	C5'	DC	11	0.948	7.588	12.454	1.00	0.00
ATOM	321	H5'	DC	11	1.053	6.734	11.785	1.00	0.00
ATOM	322	H5''	DC	11	0.995	8.510	11.874	1.00	0.00
ATOM	323	C4'	DC	11	-0.394	7.509	13.157	1.00	0.00
ATOM	324	H4'	DC	11	-1.178	7.867	12.489	1.00	0.00
ATOM	325	O4'	DC	11	-0.723	6.108	13.387	1.00	0.00
ATOM	326	C1'	DC	11	-0.547	5.785	14.758	1.00	0.00
ATOM	327	H1'	DC	11	-1.492	5.436	15.175	1.00	0.00
ATOM	328	N1	DC	11	0.336	4.589	14.840	1.00	0.00
ATOM	329	C6	DC	11	1.690	4.713	14.811	1.00	0.00
ATOM	330	H6	DC	11	2.140	5.691	14.728	1.00	0.00
ATOM	331	C5	DC	11	2.495	3.623	14.885	1.00	0.00
ATOM	332	H5	DC	11	3.578	3.743	14.860	1.00	0.00
ATOM	333	C4	DC	11	1.852	2.348	14.995	1.00	0.00
ATOM	334	N4	DC	11	2.575	1.242	15.072	1.00	0.00
ATOM	335	H41	DC	11	2.083	0.364	15.148	1.00	0.00
ATOM	336	H42	DC	11	3.584	1.291	15.054	1.00	0.00
ATOM	337	N3	DC	11	0.517	2.237	15.023	1.00	0.00
ATOM	338	C2	DC	11	-0.270	3.340	14.947	1.00	0.00
ATOM	339	O2	DC	11	-1.506	3.277	14.969	1.00	0.00
ATOM	340	C3'	DC	11	-0.455	8.146	14.545	1.00	0.00
ATOM	341	H3'	DC	11	0.207	9.005	14.655	1.00	0.00
ATOM	342	C2'	DC	11	0.021	7.016	15.457	1.00	0.00
ATOM	343	H2'	DC	11	0.959	7.302	15.932	1.00	0.00
ATOM	344	H2''	DC	11	-0.730	6.826	16.224	1.00	0.00
ATOM	345	O3'	DC	11	-1.781	8.512	14.903	1.00	0.00
ATOM	346	P	DG3	12	-2.140	8.714	16.449	1.00	0.00
ATOM	347	OP1	DG3	12	-0.894	8.874	17.231	1.00	0.00
ATOM	348	OP2	DG3	12	-3.133	9.804	16.590	1.00	0.00
ATOM	349	O5'	DG3	12	-2.824	7.312	16.802	1.00	0.00
ATOM	350	C5'	DG3	12	-3.693	6.696	15.834	1.00	0.00
ATOM	351	H5'	DG3	12	-3.105	6.067	15.166	1.00	0.00
ATOM	352	H5''	DG3	12	-4.197	7.469	15.254	1.00	0.00
ATOM	353	C4'	DG3	12	-4.732	5.843	16.537	1.00	0.00
ATOM	354	H4'	DG3	12	-5.576	5.672	15.869	1.00	0.00
ATOM	355	O4'	DG3	12	-4.175	4.517	16.767	1.00	0.00
ATOM	356	C1'	DG3	12	-3.843	4.359	18.138	1.00	0.00
ATOM	357	H1'	DG3	12	-4.403	3.522	18.556	1.00	0.00

ATOM	358	N9	DG3	12	-2.425	3.910	18.220	1.00	0.00
ATOM	359	C8	DG3	12	-1.271	4.663	18.206	1.00	0.00
ATOM	360	H8	DG3	12	-1.328	5.738	18.125	1.00	0.00
ATOM	361	N7	DG3	12	-0.171	3.954	18.295	1.00	0.00
ATOM	362	C5	DG3	12	-0.629	2.640	18.374	1.00	0.00
ATOM	363	C6	DG3	12	0.096	1.426	18.487	1.00	0.00
ATOM	364	O6	DG3	12	1.311	1.257	18.543	1.00	0.00
ATOM	365	N1	DG3	12	-0.764	0.319	18.537	1.00	0.00
ATOM	366	H1	DG3	12	-0.346	-0.586	18.618	1.00	0.00
ATOM	367	C2	DG3	12	-2.143	0.379	18.484	1.00	0.00
ATOM	368	N2	DG3	12	-2.783	-0.791	18.547	1.00	0.00
ATOM	369	H21	DG3	12	-2.367	-1.709	18.617	1.00	0.00
ATOM	370	H22	DG3	12	-3.791	-0.757	18.500	1.00	0.00
ATOM	371	N3	DG3	12	-2.822	1.519	18.378	1.00	0.00
ATOM	372	C4	DG3	12	-2.003	2.603	18.329	1.00	0.00
ATOM	373	C3'	DG3	12	-5.157	6.323	17.925	1.00	0.00
ATOM	374	H3'	DG3	12	-5.127	7.407	18.036	1.00	0.00
ATOM	375	C2'	DG3	12	-4.107	5.688	18.837	1.00	0.00
ATOM	376	H2'	DG3	12	-3.516	6.471	19.312	1.00	0.00
ATOM	377	H2''	DG3	12	-4.603	5.093	19.604	1.00	0.00
ATOM	378	O3'	DG3	12	-6.444	5.839	18.283	1.00	0.00
ATOM	379	HO3'	DG3	12	-6.754	6.115	19.149	1.00	0.00
TER									
ATOM	380	HO5'	DC5	13	2.921	-7.620	20.685	1.00	0.00
ATOM	381	O5'	DC5	13	2.013	-7.575	20.378	1.00	0.00
ATOM	382	C5'	DC5	13	0.948	-7.588	21.346	1.00	0.00
ATOM	383	H5'	DC5	13	1.053	-6.734	22.015	1.00	0.00
ATOM	384	H5''	DC5	13	0.996	-8.510	21.925	1.00	0.00
ATOM	385	C4'	DC5	13	-0.394	-7.509	20.643	1.00	0.00
ATOM	386	H4'	DC5	13	-1.178	-7.867	21.311	1.00	0.00
ATOM	387	O4'	DC5	13	-0.723	-6.108	20.413	1.00	0.00
ATOM	388	C1'	DC5	13	-0.547	-5.785	19.042	1.00	0.00
ATOM	389	H1'	DC5	13	-1.492	-5.436	18.625	1.00	0.00
ATOM	390	N1	DC5	13	0.336	-4.589	18.960	1.00	0.00
ATOM	391	C6	DC5	13	1.690	-4.713	18.989	1.00	0.00
ATOM	392	H6	DC5	13	2.140	-5.691	19.072	1.00	0.00
ATOM	393	C5	DC5	13	2.495	-3.623	18.915	1.00	0.00
ATOM	394	H5	DC5	13	3.578	-3.743	18.940	1.00	0.00
ATOM	395	C4	DC5	13	1.852	-2.348	18.805	1.00	0.00
ATOM	396	N4	DC5	13	2.575	-1.242	18.728	1.00	0.00
ATOM	397	H41	DC5	13	2.083	-0.364	18.652	1.00	0.00
ATOM	398	H42	DC5	13	3.584	-1.291	18.746	1.00	0.00
ATOM	399	N3	DC5	13	0.517	-2.237	18.777	1.00	0.00
ATOM	400	C2	DC5	13	-0.270	-3.340	18.853	1.00	0.00
ATOM	401	O2	DC5	13	-1.506	-3.277	18.831	1.00	0.00
ATOM	402	C3'	DC5	13	-0.455	-8.146	19.255	1.00	0.00
ATOM	403	H3'	DC5	13	0.207	-9.005	19.145	1.00	0.00
ATOM	404	C2'	DC5	13	0.021	-7.016	18.343	1.00	0.00
ATOM	405	H2'	DC5	13	0.959	-7.302	17.868	1.00	0.00
ATOM	406	H2''	DC5	13	-0.730	-6.826	17.576	1.00	0.00
ATOM	407	O3'	DC5	13	-1.781	-8.512	18.897	1.00	0.00
ATOM	408	P	DG	14	-2.140	-8.714	17.351	1.00	0.00
ATOM	409	OP1	DG	14	-0.894	-8.874	16.569	1.00	0.00
ATOM	410	OP2	DG	14	-3.133	-9.804	17.210	1.00	0.00
ATOM	411	O5'	DG	14	-2.824	-7.312	16.998	1.00	0.00
ATOM	412	C5'	DG	14	-3.693	-6.696	17.966	1.00	0.00
ATOM	413	H5'	DG	14	-3.105	-6.067	18.634	1.00	0.00
ATOM	414	H5''	DG	14	-4.197	-7.469	18.546	1.00	0.00
ATOM	415	C4'	DG	14	-4.732	-5.843	17.263	1.00	0.00
ATOM	416	H4'	DG	14	-5.576	-5.672	17.931	1.00	0.00

ATOM	417	O4'	DG	14	-4.175	-4.517	17.033	1.00	0.00
ATOM	418	C1'	DG	14	-3.843	-4.359	15.662	1.00	0.00
ATOM	419	H1'	DG	14	-4.403	-3.522	15.244	1.00	0.00
ATOM	420	N9	DG	14	-2.425	-3.910	15.580	1.00	0.00
ATOM	421	C8	DG	14	-1.271	-4.663	15.594	1.00	0.00
ATOM	422	H8	DG	14	-1.328	-5.738	15.675	1.00	0.00
ATOM	423	N7	DG	14	-0.171	-3.954	15.505	1.00	0.00
ATOM	424	C5	DG	14	-0.629	-2.640	15.426	1.00	0.00
ATOM	425	C6	DG	14	0.096	-1.426	15.313	1.00	0.00
ATOM	426	O6	DG	14	1.311	-1.257	15.257	1.00	0.00
ATOM	427	N1	DG	14	-0.764	-0.319	15.263	1.00	0.00
ATOM	428	H1	DG	14	-0.346	0.586	15.182	1.00	0.00
ATOM	429	C2	DG	14	-2.143	-0.379	15.316	1.00	0.00
ATOM	430	N2	DG	14	-2.783	0.791	15.253	1.00	0.00
ATOM	431	H21	DG	14	-2.367	1.709	15.183	1.00	0.00
ATOM	432	H22	DG	14	-3.791	0.757	15.300	1.00	0.00
ATOM	433	N3	DG	14	-2.822	-1.519	15.422	1.00	0.00
ATOM	434	C4	DG	14	-2.003	-2.603	15.471	1.00	0.00
ATOM	435	C3'	DG	14	-5.157	-6.323	15.875	1.00	0.00
ATOM	436	H3'	DG	14	-5.127	-7.407	15.764	1.00	0.00
ATOM	437	C2'	DG	14	-4.107	-5.688	14.963	1.00	0.00
ATOM	438	H2'	DG	14	-3.516	-6.471	14.488	1.00	0.00
ATOM	439	H2''	DG	14	-4.603	-5.093	14.196	1.00	0.00
ATOM	440	O3'	DG	14	-6.444	-5.839	15.517	1.00	0.00
ATOM	441	P	DC	15	-6.854	-5.792	13.971	1.00	0.00
ATOM	442	OP1	DC	15	-5.939	-6.654	13.189	1.00	0.00
ATOM	443	OP2	DC	15	-8.297	-6.090	13.830	1.00	0.00
ATOM	444	O5'	DC	15	-6.582	-4.255	13.618	1.00	0.00
ATOM	445	C5'	DC	15	-6.924	-3.246	14.586	1.00	0.00
ATOM	446	H5'	DC	15	-6.079	-3.082	15.255	1.00	0.00
ATOM	447	H5''	DC	15	-7.786	-3.575	15.166	1.00	0.00
ATOM	448	C4'	DC	15	-7.263	-1.946	13.883	1.00	0.00
ATOM	449	H4'	DC	15	-7.846	-1.312	14.551	1.00	0.00
ATOM	450	O4'	DC	15	-6.033	-1.200	13.653	1.00	0.00
ATOM	451	C1'	DC	15	-5.671	-1.268	12.282	1.00	0.00
ATOM	452	H1'	DC	15	-5.632	-0.262	11.865	1.00	0.00
ATOM	453	N1	DC	15	-4.260	-1.738	12.200	1.00	0.00
ATOM	454	C6	DC	15	-3.960	-3.064	12.229	1.00	0.00
ATOM	455	H6	DC	15	-4.752	-3.794	12.312	1.00	0.00
ATOM	456	C5	DC	15	-2.674	-3.493	12.155	1.00	0.00
ATOM	457	H5	DC	15	-2.452	-4.560	12.180	1.00	0.00
ATOM	458	C4	DC	15	-1.661	-2.486	12.045	1.00	0.00
ATOM	459	N4	DC	15	-0.385	-2.833	11.968	1.00	0.00
ATOM	460	H41	DC	15	0.299	-2.094	11.891	1.00	0.00
ATOM	461	H42	DC	15	-0.120	-3.808	11.986	1.00	0.00
ATOM	462	N3	DC	15	-1.968	-1.183	12.017	1.00	0.00
ATOM	463	C2	DC	15	-3.260	-0.775	12.093	1.00	0.00
ATOM	464	O2	DC	15	-3.582	0.419	12.071	1.00	0.00
ATOM	465	C3'	DC	15	-7.888	-2.084	12.495	1.00	0.00
ATOM	466	H3'	DC	15	-8.501	-2.978	12.384	1.00	0.00
ATOM	467	C2'	DC	15	-6.666	-2.188	11.583	1.00	0.00
ATOM	468	H2'	DC	15	-6.649	-3.169	11.108	1.00	0.00
ATOM	469	H2''	DC	15	-6.717	-1.415	10.817	1.00	0.00
ATOM	470	O3'	DC	15	-8.645	-0.936	12.137	1.00	0.00
ATOM	471	P	DG	16	-8.949	-0.657	10.591	1.00	0.00
ATOM	472	OP1	DG	16	-8.716	-1.892	9.809	1.00	0.00
ATOM	473	OP2	DG	16	-10.292	-0.050	10.450	1.00	0.00
ATOM	474	O5'	DG	16	-7.826	0.427	10.238	1.00	0.00
ATOM	475	C5'	DG	16	-7.510	1.443	11.206	1.00	0.00
ATOM	476	H5'	DG	16	-6.730	1.079	11.875	1.00	0.00

ATOM	477	H5 ' '	DG	16	-8.401	1.683	11.786	1.00	0.00
ATOM	478	C4'	DG	16	-7.020	2.695	10.503	1.00	0.00
ATOM	479	H4'	DG	16	-7.119	3.551	11.171	1.00	0.00
ATOM	480	O4'	DG	16	-5.586	2.575	10.273	1.00	0.00
ATOM	481	C1'	DG	16	-5.333	2.308	8.902	1.00	0.00
ATOM	482	H1'	DG	16	-4.710	3.099	8.484	1.00	0.00
ATOM	483	N9	DG	16	-4.468	1.098	8.820	1.00	0.00
ATOM	484	C8	DG	16	-4.827	-0.232	8.834	1.00	0.00
ATOM	485	H8	DG	16	-5.868	-0.509	8.915	1.00	0.00
ATOM	486	N7	DG	16	-3.814	-1.059	8.745	1.00	0.00
ATOM	487	C5	DG	16	-2.705	-0.218	8.666	1.00	0.00
ATOM	488	C6	DG	16	-1.326	-0.532	8.553	1.00	0.00
ATOM	489	O6	DG	16	-0.790	-1.635	8.497	1.00	0.00
ATOM	490	N1	DG	16	-0.540	0.628	8.503	1.00	0.00
ATOM	491	H1	DG	16	0.450	0.509	8.421	1.00	0.00
ATOM	492	C2	DG	16	-1.023	1.921	8.556	1.00	0.00
ATOM	493	N2	DG	16	-0.108	2.891	8.493	1.00	0.00
ATOM	494	H21	DG	16	0.893	2.778	8.423	1.00	0.00
ATOM	495	H22	DG	16	-0.452	3.839	8.540	1.00	0.00
ATOM	496	N3	DG	16	-2.317	2.214	8.662	1.00	0.00
ATOM	497	C4	DG	16	-3.094	1.101	8.711	1.00	0.00
ATOM	498	C3'	DG	16	-7.607	2.950	9.115	1.00	0.00
ATOM	499	H3'	DG	16	-8.629	2.586	9.004	1.00	0.00
ATOM	500	C2'	DG	16	-6.679	2.148	8.203	1.00	0.00
ATOM	501	H2'	DG	16	-7.241	1.344	7.728	1.00	0.00
ATOM	502	H2 ' '	DG	16	-6.267	2.804	7.436	1.00	0.00
ATOM	503	O3'	DG	16	-7.545	4.324	8.757	1.00	0.00
ATOM	504	P	DA	17	-7.626	4.728	7.211	1.00	0.00
ATOM	505	OP1	DA	17	-8.164	3.592	6.429	1.00	0.00
ATOM	506	OP2	DA	17	-8.356	6.009	7.070	1.00	0.00
ATOM	507	O5'	DA	17	-6.081	4.945	6.858	1.00	0.00
ATOM	508	C5'	DA	17	-5.227	5.582	7.826	1.00	0.00
ATOM	509	H5'	DA	17	-4.810	4.829	8.495	1.00	0.00
ATOM	510	H5 ' '	DA	17	-5.807	6.301	8.405	1.00	0.00
ATOM	511	C4'	DA	17	-4.095	6.306	7.123	1.00	0.00
ATOM	512	H4'	DA	17	-3.672	7.056	7.791	1.00	0.00
ATOM	513	O4'	DA	17	-3.006	5.367	6.893	1.00	0.00
ATOM	514	C1'	DA	17	-2.958	5.002	5.522	1.00	0.00
ATOM	515	H1'	DA	17	-2.017	5.267	5.040	1.00	0.00
ATOM	516	N9	DA	17	-2.969	3.515	5.440	1.00	0.00
ATOM	517	C8	DA	17	-4.043	2.654	5.455	1.00	0.00
ATOM	518	H8	DA	17	-5.049	3.046	5.487	1.00	0.00
ATOM	519	N7	DA	17	-3.715	1.402	5.366	1.00	0.00
ATOM	520	C5	DA	17	-2.330	1.422	5.287	1.00	0.00
ATOM	521	C6	DA	17	-1.373	0.401	5.175	1.00	0.00
ATOM	522	N6	DA	17	-1.684	-0.902	5.121	1.00	0.00
ATOM	523	H61	DA	17	-0.952	-1.593	5.040	1.00	0.00
ATOM	524	H62	DA	17	-2.650	-1.193	5.161	1.00	0.00
ATOM	525	N1	DA	17	-0.079	0.769	5.121	1.00	0.00
ATOM	526	C2	DA	17	0.223	2.065	5.175	1.00	0.00
ATOM	527	H2	DA	17	1.255	2.382	5.132	1.00	0.00
ATOM	528	N3	DA	17	-0.580	3.101	5.279	1.00	0.00
ATOM	529	C4	DA	17	-1.868	2.705	5.332	1.00	0.00
ATOM	530	C3'	DA	17	-4.420	6.858	5.735	1.00	0.00
ATOM	531	H3'	DA	17	-5.460	7.164	5.624	1.00	0.00
ATOM	532	C2'	DA	17	-4.141	5.664	4.823	1.00	0.00
ATOM	533	H2'	DA	17	-5.069	5.344	4.348	1.00	0.00
ATOM	534	H2 ' '	DA	17	-3.422	5.952	4.056	1.00	0.00
ATOM	535	O3'	DA	17	-3.562	7.933	5.377	1.00	0.00
ATOM	536	P	DA	18	-3.390	8.308	3.831	1.00	0.00

ATOM	537	OP1	DA	18	-4.493	7.705	3.049	1.00	0.00
ATOM	538	OP2	DA	18	-3.228	9.773	3.690	1.00	0.00
ATOM	539	O5'	DA	18	-2.013	7.575	3.478	1.00	0.00
ATOM	540	C5'	DA	18	-0.948	7.588	4.446	1.00	0.00
ATOM	541	H5'	DA	18	-1.053	6.734	5.115	1.00	0.00
ATOM	542	H5''	DA	18	-0.995	8.510	5.026	1.00	0.00
ATOM	543	C4'	DA	18	0.394	7.509	3.743	1.00	0.00
ATOM	544	H4'	DA	18	1.178	7.867	4.411	1.00	0.00
ATOM	545	O4'	DA	18	0.723	6.108	3.513	1.00	0.00
ATOM	546	C1'	DA	18	0.547	5.785	2.142	1.00	0.00
ATOM	547	H1'	DA	18	1.464	5.447	1.659	1.00	0.00
ATOM	548	N9	DA	18	-0.336	4.589	2.060	1.00	0.00
ATOM	549	C8	DA	18	-1.711	4.523	2.075	1.00	0.00
ATOM	550	H8	DA	18	-2.294	5.432	2.107	1.00	0.00
ATOM	551	N7	DA	18	-2.182	3.318	1.986	1.00	0.00
ATOM	552	C5	DA	18	-1.050	2.520	1.907	1.00	0.00
ATOM	553	C6	DA	18	-0.875	1.131	1.795	1.00	0.00
ATOM	554	N6	DA	18	-1.892	0.260	1.741	1.00	0.00
ATOM	555	H61	DA	18	-1.706	-0.729	1.660	1.00	0.00
ATOM	556	H62	DA	18	-2.845	0.593	1.781	1.00	0.00
ATOM	557	N1	DA	18	0.388	0.669	1.741	1.00	0.00
ATOM	558	C2	DA	18	1.394	1.540	1.795	1.00	0.00
ATOM	559	H2	DA	18	2.415	1.189	1.752	1.00	0.00
ATOM	560	N3	DA	18	1.354	2.850	1.899	1.00	0.00
ATOM	561	C4	DA	18	0.079	3.287	1.952	1.00	0.00
ATOM	562	C3'	DA	18	0.455	8.146	2.355	1.00	0.00
ATOM	563	H3'	DA	18	-0.207	9.005	2.245	1.00	0.00
ATOM	564	C2'	DA	18	-0.021	7.016	1.443	1.00	0.00
ATOM	565	H2'	DA	18	-0.959	7.302	0.968	1.00	0.00
ATOM	566	H2''	DA	18	0.730	6.826	0.676	1.00	0.00
ATOM	567	O3'	DA	18	1.781	8.512	1.997	1.00	0.00
ATOM	568	P	DT	19	2.140	8.714	0.451	1.00	0.00
ATOM	569	OP1	DT	19	0.894	8.874	-0.331	1.00	0.00
ATOM	570	OP2	DT	19	3.133	9.804	0.310	1.00	0.00
ATOM	571	O5'	DT	19	2.824	7.312	0.098	1.00	0.00
ATOM	572	C5'	DT	19	3.693	6.696	1.066	1.00	0.00
ATOM	573	H5'	DT	19	3.105	6.067	1.734	1.00	0.00
ATOM	574	H5''	DT	19	4.197	7.469	1.646	1.00	0.00
ATOM	575	C4'	DT	19	4.732	5.843	0.363	1.00	0.00
ATOM	576	H4'	DT	19	5.576	5.672	1.031	1.00	0.00
ATOM	577	O4'	DT	19	4.175	4.517	0.133	1.00	0.00
ATOM	578	C1'	DT	19	3.843	4.359	-1.238	1.00	0.00
ATOM	579	H1'	DT	19	4.388	3.538	-1.704	1.00	0.00
ATOM	580	N1	DT	19	2.425	3.910	-1.320	1.00	0.00
ATOM	581	C6	DT	19	1.398	4.816	-1.290	1.00	0.00
ATOM	582	H6	DT	19	1.613	5.874	-1.251	1.00	0.00
ATOM	583	C5	DT	19	0.117	4.420	-1.363	1.00	0.00
ATOM	584	C7	DT	19	-1.015	5.404	-1.332	1.00	0.00
ATOM	585	H71	DT	19	-0.922	6.092	-2.172	1.00	0.00
ATOM	586	H72	DT	19	-1.963	4.871	-1.403	1.00	0.00
ATOM	587	H73	DT	19	-0.984	5.965	-0.398	1.00	0.00
ATOM	588	C4	DT	19	-0.218	3.021	-1.476	1.00	0.00
ATOM	589	O4	DT	19	-1.361	2.564	-1.549	1.00	0.00
ATOM	590	N3	DT	19	0.876	2.180	-1.499	1.00	0.00
ATOM	591	H3	DT	19	0.674	1.112	-1.585	1.00	0.00
ATOM	592	C2	DT	19	2.202	2.558	-1.425	1.00	0.00
ATOM	593	O2	DT	19	3.103	1.738	-1.453	1.00	0.00
ATOM	594	C3'	DT	19	5.157	6.323	-1.025	1.00	0.00
ATOM	595	H3'	DT	19	5.127	7.407	-1.136	1.00	0.00
ATOM	596	C2'	DT	19	4.107	5.688	-1.937	1.00	0.00

ATOM	597	H2'	DT	19	3.516	6.471	-2.412	1.00	0.00
ATOM	598	H2''	DT	19	4.603	5.093	-2.704	1.00	0.00
ATOM	599	O3'	DT	19	6.444	5.839	-1.383	1.00	0.00
ATOM	600	P	DT	20	6.854	5.792	-2.929	1.00	0.00
ATOM	601	OP1	DT	20	5.939	6.654	-3.711	1.00	0.00
ATOM	602	OP2	DT	20	8.297	6.090	-3.070	1.00	0.00
ATOM	603	O5'	DT	20	6.582	4.255	-3.282	1.00	0.00
ATOM	604	C5'	DT	20	6.924	3.246	-2.314	1.00	0.00
ATOM	605	H5'	DT	20	6.079	3.082	-1.645	1.00	0.00
ATOM	606	H5''	DT	20	7.786	3.575	-1.734	1.00	0.00
ATOM	607	C4'	DT	20	7.263	1.946	-3.017	1.00	0.00
ATOM	608	H4'	DT	20	7.846	1.312	-2.349	1.00	0.00
ATOM	609	O4'	DT	20	6.033	1.200	-3.247	1.00	0.00
ATOM	610	C1'	DT	20	5.671	1.268	-4.618	1.00	0.00
ATOM	611	H1'	DT	20	5.629	0.284	-5.085	1.00	0.00
ATOM	612	N1	DT	20	4.260	1.738	-4.700	1.00	0.00
ATOM	613	C6	DT	20	3.962	3.074	-4.670	1.00	0.00
ATOM	614	H6	DT	20	4.758	3.803	-4.631	1.00	0.00
ATOM	615	C5	DT	20	2.693	3.508	-4.743	1.00	0.00
ATOM	616	C7	DT	20	2.355	4.969	-4.712	1.00	0.00
ATOM	617	H71	DT	20	2.835	5.471	-5.552	1.00	0.00
ATOM	618	H72	DT	20	1.275	5.094	-4.783	1.00	0.00
ATOM	619	H73	DT	20	2.710	5.405	-3.778	1.00	0.00
ATOM	620	C4	DT	20	1.599	2.572	-4.856	1.00	0.00
ATOM	621	O4	DT	20	0.406	2.874	-4.929	1.00	0.00
ATOM	622	N3	DT	20	1.990	1.249	-4.879	1.00	0.00
ATOM	623	H3	DT	20	1.199	0.504	-4.965	1.00	0.00
ATOM	624	C2	DT	20	3.285	0.775	-4.805	1.00	0.00
ATOM	625	O2	DT	20	3.532	-0.418	-4.833	1.00	0.00
ATOM	626	C3'	DT	20	7.888	2.084	-4.405	1.00	0.00
ATOM	627	H3'	DT	20	8.501	2.978	-4.516	1.00	0.00
ATOM	628	C2'	DT	20	6.666	2.188	-5.317	1.00	0.00
ATOM	629	H2'	DT	20	6.649	3.169	-5.792	1.00	0.00
ATOM	630	H2''	DT	20	6.717	1.415	-6.083	1.00	0.00
ATOM	631	O3'	DT	20	8.645	0.936	-4.763	1.00	0.00
ATOM	632	P	DC	21	8.949	0.657	-6.309	1.00	0.00
ATOM	633	OP1	DC	21	8.716	1.892	-7.091	1.00	0.00
ATOM	634	OP2	DC	21	10.292	0.050	-6.450	1.00	0.00
ATOM	635	O5'	DC	21	7.826	-0.427	-6.662	1.00	0.00
ATOM	636	C5'	DC	21	7.510	-1.443	-5.694	1.00	0.00
ATOM	637	H5'	DC	21	6.730	-1.079	-5.025	1.00	0.00
ATOM	638	H5''	DC	21	8.401	-1.683	-5.114	1.00	0.00
ATOM	639	C4'	DC	21	7.020	-2.695	-6.397	1.00	0.00
ATOM	640	H4'	DC	21	7.119	-3.551	-5.729	1.00	0.00
ATOM	641	O4'	DC	21	5.586	-2.575	-6.627	1.00	0.00
ATOM	642	C1'	DC	21	5.333	-2.308	-7.998	1.00	0.00
ATOM	643	H1'	DC	21	4.709	-3.099	-8.414	1.00	0.00
ATOM	644	N1	DC	21	4.468	-1.098	-8.080	1.00	0.00
ATOM	645	C6	DC	21	5.005	0.151	-8.051	1.00	0.00
ATOM	646	H6	DC	21	6.074	0.276	-7.968	1.00	0.00
ATOM	647	C5	DC	21	4.217	1.254	-8.125	1.00	0.00
ATOM	648	H5	DC	21	4.665	2.247	-8.100	1.00	0.00
ATOM	649	C4	DC	21	2.805	1.035	-8.235	1.00	0.00
ATOM	650	N4	DC	21	1.977	2.066	-8.312	1.00	0.00
ATOM	651	H41	DC	21	0.989	1.870	-8.388	1.00	0.00
ATOM	652	H42	DC	21	2.336	3.010	-8.294	1.00	0.00
ATOM	653	N3	DC	21	2.287	-0.199	-8.263	1.00	0.00
ATOM	654	C2	DC	21	3.093	-1.289	-8.187	1.00	0.00
ATOM	655	O2	DC	21	2.651	-2.445	-8.209	1.00	0.00
ATOM	656	C3'	DC	21	7.607	-2.950	-7.785	1.00	0.00

ATOM	657	H3'	DC	21	8.629	-2.586	-7.896	1.00	0.00
ATOM	658	C2'	DC	21	6.679	-2.148	-8.697	1.00	0.00
ATOM	659	H2'	DC	21	7.241	-1.344	-9.172	1.00	0.00
ATOM	660	H2''	DC	21	6.267	-2.804	-9.464	1.00	0.00
ATOM	661	O3'	DC	21	7.545	-4.324	-8.143	1.00	0.00
ATOM	662	P	DG	22	7.626	-4.728	-9.689	1.00	0.00
ATOM	663	OP1	DG	22	8.164	-3.592	-10.471	1.00	0.00
ATOM	664	OP2	DG	22	8.356	-6.009	-9.830	1.00	0.00
ATOM	665	O5'	DG	22	6.081	-4.945	-10.042	1.00	0.00
ATOM	666	C5'	DG	22	5.227	-5.582	-9.074	1.00	0.00
ATOM	667	H5'	DG	22	4.810	-4.829	-8.405	1.00	0.00
ATOM	668	H5''	DG	22	5.807	-6.301	-8.495	1.00	0.00
ATOM	669	C4'	DG	22	4.095	-6.306	-9.777	1.00	0.00
ATOM	670	H4'	DG	22	3.672	-7.056	-9.109	1.00	0.00
ATOM	671	O4'	DG	22	3.006	-5.367	-10.007	1.00	0.00
ATOM	672	C1'	DG	22	2.958	-5.002	-11.378	1.00	0.00
ATOM	673	H1'	DG	22	1.989	-5.276	-11.796	1.00	0.00
ATOM	674	N9	DG	22	2.969	-3.515	-11.460	1.00	0.00
ATOM	675	C8	DG	22	4.042	-2.650	-11.446	1.00	0.00
ATOM	676	H8	DG	22	5.047	-3.037	-11.365	1.00	0.00
ATOM	677	N7	DG	22	3.708	-1.385	-11.535	1.00	0.00
ATOM	678	C5	DG	22	2.317	-1.414	-11.614	1.00	0.00
ATOM	679	C6	DG	22	1.386	-0.349	-11.727	1.00	0.00
ATOM	680	O6	DG	22	1.600	0.858	-11.783	1.00	0.00
ATOM	681	N1	DG	22	0.068	-0.825	-11.777	1.00	0.00
ATOM	682	H1	DG	22	-0.663	-0.148	-11.858	1.00	0.00
ATOM	683	C2	DG	22	-0.301	-2.155	-11.724	1.00	0.00
ATOM	684	N2	DG	22	-1.612	-2.402	-11.787	1.00	0.00
ATOM	685	H21	DG	22	-2.356	-1.722	-11.857	1.00	0.00
ATOM	686	H22	DG	22	-1.891	-3.372	-11.740	1.00	0.00
ATOM	687	N3	DG	22	0.573	-3.153	-11.618	1.00	0.00
ATOM	688	C4	DG	22	1.856	-2.709	-11.569	1.00	0.00
ATOM	689	C3'	DG	22	4.420	-6.858	-11.165	1.00	0.00
ATOM	690	H3'	DG	22	5.460	-7.164	-11.276	1.00	0.00
ATOM	691	C2'	DG	22	4.141	-5.664	-12.077	1.00	0.00
ATOM	692	H2'	DG	22	5.069	-5.344	-12.552	1.00	0.00
ATOM	693	H2''	DG	22	3.422	-5.952	-12.844	1.00	0.00
ATOM	694	O3'	DG	22	3.562	-7.933	-11.523	1.00	0.00
ATOM	695	P	DC	23	3.390	-8.308	-13.069	1.00	0.00
ATOM	696	OP1	DC	23	4.493	-7.705	-13.851	1.00	0.00
ATOM	697	OP2	DC	23	3.228	-9.773	-13.210	1.00	0.00
ATOM	698	O5'	DC	23	2.013	-7.575	-13.422	1.00	0.00
ATOM	699	C5'	DC	23	0.948	-7.588	-12.454	1.00	0.00
ATOM	700	H5'	DC	23	1.053	-6.734	-11.785	1.00	0.00
ATOM	701	H5''	DC	23	0.995	-8.510	-11.874	1.00	0.00
ATOM	702	C4'	DC	23	-0.394	-7.509	-13.157	1.00	0.00
ATOM	703	H4'	DC	23	-1.178	-7.867	-12.489	1.00	0.00
ATOM	704	O4'	DC	23	-0.723	-6.108	-13.387	1.00	0.00
ATOM	705	C1'	DC	23	-0.547	-5.785	-14.758	1.00	0.00
ATOM	706	H1'	DC	23	-1.492	-5.436	-15.175	1.00	0.00
ATOM	707	N1	DC	23	0.336	-4.589	-14.840	1.00	0.00
ATOM	708	C6	DC	23	1.690	-4.713	-14.811	1.00	0.00
ATOM	709	H6	DC	23	2.140	-5.691	-14.728	1.00	0.00
ATOM	710	C5	DC	23	2.495	-3.623	-14.885	1.00	0.00
ATOM	711	H5	DC	23	3.578	-3.743	-14.860	1.00	0.00
ATOM	712	C4	DC	23	1.852	-2.348	-14.995	1.00	0.00
ATOM	713	N4	DC	23	2.575	-1.242	-15.072	1.00	0.00
ATOM	714	H41	DC	23	2.083	-0.364	-15.148	1.00	0.00
ATOM	715	H42	DC	23	3.584	-1.291	-15.054	1.00	0.00
ATOM	716	N3	DC	23	0.517	-2.237	-15.023	1.00	0.00

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ATOM	1	HO5'	DC5	1	20.065	35.850	23.346	1.00	0.00
ATOM	2	O5'	DC5	1	20.536	35.014	23.372	1.00	0.00
ATOM	3	C5'	DC5	1	19.834	33.837	23.766	1.00	0.00
ATOM	4	H5'	DC5	1	19.024	33.688	23.052	1.00	0.00
ATOM	5	H5''	DC5	1	19.418	33.953	24.767	1.00	0.00
ATOM	6	C4'	DC5	1	20.745	32.632	23.743	1.00	0.00
ATOM	7	H4'	DC5	1	21.590	32.835	24.401	1.00	0.00
ATOM	8	O4'	DC5	1	20.077	31.512	24.349	1.00	0.00
ATOM	9	C1'	DC5	1	20.037	30.405	23.469	1.00	0.00
ATOM	10	H1'	DC5	1	20.794	29.661	23.716	1.00	0.00
ATOM	11	N1	DC5	1	18.770	29.711	23.733	1.00	0.00
ATOM	12	C6	DC5	1	17.576	30.257	23.341	1.00	0.00
ATOM	13	H6	DC5	1	17.559	31.181	22.783	1.00	0.00
ATOM	14	C5	DC5	1	16.422	29.661	23.640	1.00	0.00
ATOM	15	H5	DC5	1	15.486	30.120	23.322	1.00	0.00
ATOM	16	C4	DC5	1	16.481	28.435	24.375	1.00	0.00
ATOM	17	N4	DC5	1	15.357	27.804	24.715	1.00	0.00
ATOM	18	H41	DC5	1	15.441	26.941	25.234	1.00	0.00
ATOM	19	H42	DC5	1	14.459	28.188	24.456	1.00	0.00
ATOM	20	N3	DC5	1	17.641	27.884	24.746	1.00	0.00
ATOM	21	C2	DC5	1	18.797	28.486	24.439	1.00	0.00
ATOM	22	O2	DC5	1	19.891	27.997	24.757	1.00	0.00
ATOM	23	C3'	DC5	1	21.181	32.151	22.364	1.00	0.00
ATOM	24	H3'	DC5	1	21.114	32.874	21.551	1.00	0.00
ATOM	25	C2'	DC5	1	20.250	30.983	22.081	1.00	0.00
ATOM	26	H2'	DC5	1	19.584	31.240	21.257	1.00	0.00
ATOM	27	H2''	DC5	1	20.838	30.106	21.812	1.00	0.00
ATOM	28	O3'	DC5	1	22.522	31.672	22.474	1.00	0.00
ATOM	29	P	DG	2	23.337	31.278	21.156	1.00	0.00
ATOM	30	OP1	DG	2	24.761	31.571	21.391	1.00	0.00
ATOM	31	OP2	DG	2	22.651	31.834	19.956	1.00	0.00
ATOM	32	O5'	DG	2	23.180	29.714	21.092	1.00	0.00
ATOM	33	C5'	DG	2	23.830	28.894	22.040	1.00	0.00
ATOM	34	H5'	DG	2	23.366	29.042	23.015	1.00	0.00
ATOM	35	H5''	DG	2	24.889	29.149	22.076	1.00	0.00
ATOM	36	C4'	DG	2	23.663	27.461	21.627	1.00	0.00
ATOM	37	H4'	DG	2	24.303	26.821	22.234	1.00	0.00
ATOM	38	O4'	DG	2	22.328	27.016	21.920	1.00	0.00
ATOM	39	C1'	DG	2	21.722	26.527	20.744	1.00	0.00
ATOM	40	H1'	DG	2	21.817	25.444	20.670	1.00	0.00
ATOM	41	N9	DG	2	20.293	26.737	20.884	1.00	0.00
ATOM	42	C8	DG	2	19.536	27.799	20.464	1.00	0.00
ATOM	43	H8	DG	2	19.981	28.624	19.927	1.00	0.00
ATOM	44	N7	DG	2	18.276	27.683	20.786	1.00	0.00
ATOM	45	C5	DG	2	18.201	26.464	21.447	1.00	0.00
ATOM	46	C6	DG	2	17.091	25.790	22.018	1.00	0.00
ATOM	47	O6	DG	2	15.916	26.151	22.052	1.00	0.00
ATOM	48	N1	DG	2	17.464	24.566	22.588	1.00	0.00
ATOM	49	H1	DG	2	16.750	24.013	23.016	1.00	0.00
ATOM	50	C2	DG	2	18.749	24.064	22.600	1.00	0.00
ATOM	51	N2	DG	2	18.930	22.867	23.187	1.00	0.00
ATOM	52	H21	DG	2	18.226	22.296	23.633	1.00	0.00
ATOM	53	H22	DG	2	19.874	22.509	23.200	1.00	0.00
ATOM	54	N3	DG	2	19.786	24.688	22.072	1.00	0.00
ATOM	55	C4	DG	2	19.440	25.872	21.516	1.00	0.00
ATOM	56	C3'	DG	2	23.866	27.232	20.130	1.00	0.00
ATOM	57	H3'	DG	2	24.463	27.923	19.535	1.00	0.00

ATOM	58	C2'	DG	2	22.447	27.195	19.590	1.00	0.00
ATOM	59	H2'	DG	2	22.240	28.118	19.049	1.00	0.00
ATOM	60	H2''	DG	2	22.336	26.346	18.915	1.00	0.00
ATOM	61	O3'	DG	2	24.412	25.926	20.055	1.00	0.00
ATOM	62	P	DC	3	25.388	25.500	18.860	1.00	0.00
ATOM	63	OP1	DC	3	26.783	25.808	19.232	1.00	0.00
ATOM	64	OP2	DC	3	24.827	26.022	17.578	1.00	0.00
ATOM	65	O5'	DC	3	25.215	23.915	18.859	1.00	0.00
ATOM	66	C5'	DC	3	25.112	23.171	20.093	1.00	0.00
ATOM	67	H5'	DC	3	24.973	23.878	20.910	1.00	0.00
ATOM	68	H5''	DC	3	26.020	22.587	20.243	1.00	0.00
ATOM	69	C4'	DC	3	23.925	22.238	20.036	1.00	0.00
ATOM	70	H4'	DC	3	23.891	21.667	20.964	1.00	0.00
ATOM	71	O4'	DC	3	22.721	23.004	20.043	1.00	0.00
ATOM	72	C1'	DC	3	21.682	22.203	19.512	1.00	0.00
ATOM	73	H1'	DC	3	21.149	21.647	20.283	1.00	0.00
ATOM	74	N1	DC	3	20.674	23.119	18.988	1.00	0.00
ATOM	75	C6	DC	3	21.030	24.206	18.236	1.00	0.00
ATOM	76	H6	DC	3	22.062	24.350	17.950	1.00	0.00
ATOM	77	C5	DC	3	20.113	25.107	17.842	1.00	0.00
ATOM	78	H5	DC	3	20.422	25.973	17.256	1.00	0.00
ATOM	79	C4	DC	3	18.758	24.869	18.228	1.00	0.00
ATOM	80	N4	DC	3	17.792	25.737	17.891	1.00	0.00
ATOM	81	H41	DC	3	16.849	25.527	18.186	1.00	0.00
ATOM	82	H42	DC	3	18.016	26.567	17.361	1.00	0.00
ATOM	83	N3	DC	3	18.408	23.794	18.929	1.00	0.00
ATOM	84	C2	DC	3	19.340	22.896	19.319	1.00	0.00
ATOM	85	O2	DC	3	19.041	21.875	19.970	1.00	0.00
ATOM	86	C3'	DC	3	23.825	21.353	18.794	1.00	0.00
ATOM	87	H3'	DC	3	24.257	21.739	17.871	1.00	0.00
ATOM	88	C2'	DC	3	22.324	21.157	18.609	1.00	0.00
ATOM	89	H2'	DC	3	22.119	20.866	17.579	1.00	0.00
ATOM	90	H2''	DC	3	21.973	20.376	19.283	1.00	0.00
ATOM	91	O3'	DC	3	24.468	20.110	19.126	1.00	0.00
ATOM	92	P	DG	4	24.871	19.058	17.972	1.00	0.00
ATOM	93	OP1	DG	4	25.843	18.117	18.628	1.00	0.00
ATOM	94	OP2	DG	4	25.249	19.766	16.753	1.00	0.00
ATOM	95	O5'	DG	4	23.511	18.294	17.681	1.00	0.00
ATOM	96	C5'	DG	4	22.921	17.490	18.695	1.00	0.00
ATOM	97	H5'	DG	4	22.775	18.104	19.584	1.00	0.00
ATOM	98	H5''	DG	4	23.571	16.642	18.911	1.00	0.00
ATOM	99	C4'	DG	4	21.588	16.998	18.210	1.00	0.00
ATOM	100	H4'	DG	4	21.152	16.334	18.956	1.00	0.00
ATOM	101	O4'	DG	4	20.659	18.097	18.117	1.00	0.00
ATOM	102	C1'	DG	4	20.090	18.125	16.827	1.00	0.00
ATOM	103	H1'	DG	4	19.120	17.631	16.880	1.00	0.00
ATOM	104	N9	DG	4	19.757	19.506	16.488	1.00	0.00
ATOM	105	C8	DG	4	20.562	20.452	15.892	1.00	0.00
ATOM	106	H8	DG	4	21.591	20.231	15.648	1.00	0.00
ATOM	107	N7	DG	4	19.949	21.585	15.677	1.00	0.00
ATOM	108	C5	DG	4	18.660	21.378	16.171	1.00	0.00
ATOM	109	C6	DG	4	17.528	22.248	16.212	1.00	0.00
ATOM	110	O6	DG	4	17.430	23.415	15.808	1.00	0.00
ATOM	111	N1	DG	4	16.428	21.622	16.800	1.00	0.00
ATOM	112	H1	DG	4	15.582	22.150	16.874	1.00	0.00
ATOM	113	C2	DG	4	16.415	20.343	17.280	1.00	0.00
ATOM	114	N2	DG	4	15.257	19.917	17.806	1.00	0.00
ATOM	115	H21	DG	4	14.400	20.444	17.895	1.00	0.00
ATOM	116	H22	DG	4	15.246	18.975	18.170	1.00	0.00
ATOM	117	N3	DG	4	17.456	19.526	17.250	1.00	0.00

ATOM	118	C4	DG	4	18.534	20.105	16.684	1.00	0.00
ATOM	119	C3'	DG	4	21.632	16.362	16.824	1.00	0.00
ATOM	120	H3'	DG	4	22.573	15.984	16.425	1.00	0.00
ATOM	121	C2'	DG	4	21.104	17.456	15.921	1.00	0.00
ATOM	122	H2'	DG	4	21.922	17.864	15.327	1.00	0.00
ATOM	123	H2''	DG	4	20.344	17.045	15.257	1.00	0.00
ATOM	124	O3'	DG	4	20.678	15.319	16.883	1.00	0.00
ATOM	125	P	DA	5	20.603	14.194	15.744	1.00	0.00
ATOM	126	OP1	DA	5	21.230	12.959	16.281	1.00	0.00
ATOM	127	OP2	DA	5	21.017	14.732	14.419	1.00	0.00
ATOM	128	O5'	DA	5	19.039	13.951	15.692	1.00	0.00
ATOM	129	C5'	DA	5	18.304	13.773	16.911	1.00	0.00
ATOM	130	H5'	DA	5	18.748	14.464	17.627	1.00	0.00
ATOM	131	H5''	DA	5	18.369	12.732	17.226	1.00	0.00
ATOM	132	C4'	DA	5	16.855	14.135	16.705	1.00	0.00
ATOM	133	H4'	DA	5	16.352	13.957	17.656	1.00	0.00
ATOM	134	O4'	DA	5	16.695	15.558	16.470	1.00	0.00
ATOM	135	C1'	DA	5	15.929	15.797	15.300	1.00	0.00
ATOM	136	H1'	DA	5	14.886	16.053	15.488	1.00	0.00
ATOM	137	N9	DA	5	16.461	17.015	14.676	1.00	0.00
ATOM	138	C8	DA	5	17.734	17.239	14.207	1.00	0.00
ATOM	139	H8	DA	5	18.461	16.440	14.219	1.00	0.00
ATOM	140	N7	DA	5	17.918	18.439	13.718	1.00	0.00
ATOM	141	C5	DA	5	16.683	19.056	13.875	1.00	0.00
ATOM	142	C6	DA	5	16.223	20.352	13.555	1.00	0.00
ATOM	143	N6	DA	5	16.984	21.297	12.994	1.00	0.00
ATOM	144	H61	DA	5	16.593	22.206	12.790	1.00	0.00
ATOM	145	H62	DA	5	17.950	21.102	12.774	1.00	0.00
ATOM	146	N1	DA	5	14.933	20.644	13.839	1.00	0.00
ATOM	147	C2	DA	5	14.171	19.699	14.406	1.00	0.00
ATOM	148	H2	DA	5	13.139	19.913	14.641	1.00	0.00
ATOM	149	N3	DA	5	14.489	18.449	14.756	1.00	0.00
ATOM	150	C4	DA	5	15.775	18.188	14.459	1.00	0.00
ATOM	151	C3'	DA	5	16.163	13.420	15.547	1.00	0.00
ATOM	152	H3'	DA	5	16.707	12.569	15.136	1.00	0.00
ATOM	153	C2'	DA	5	16.031	14.502	14.481	1.00	0.00
ATOM	154	H2'	DA	5	16.587	14.206	13.592	1.00	0.00
ATOM	155	H2''	DA	5	14.980	14.634	14.224	1.00	0.00
ATOM	156	O3'	DA	5	14.904	12.934	16.032	1.00	0.00
ATOM	157	P	DA	6	13.954	12.080	15.071	1.00	0.00
ATOM	158	OP1	DA	6	13.092	11.246	15.953	1.00	0.00
ATOM	159	OP2	DA	6	14.769	11.453	14.020	1.00	0.00
ATOM	160	O5'	DA	6	13.056	13.202	14.406	1.00	0.00
ATOM	161	C5'	DA	6	12.184	13.965	15.222	1.00	0.00
ATOM	162	H5'	DA	6	12.848	14.589	15.821	1.00	0.00
ATOM	163	H5''	DA	6	11.553	13.295	15.806	1.00	0.00
ATOM	164	C4'	DA	6	11.308	14.846	14.376	1.00	0.00
ATOM	165	H4'	DA	6	10.569	15.259	15.063	1.00	0.00
ATOM	166	O4'	DA	6	12.033	15.991	13.896	1.00	0.00
ATOM	167	C1'	DA	6	11.810	16.185	12.511	1.00	0.00
ATOM	168	H1'	DA	6	11.068	16.946	12.267	1.00	0.00
ATOM	169	N9	DA	6	13.051	16.742	11.953	1.00	0.00
ATOM	170	C8	DA	6	14.253	16.097	11.802	1.00	0.00
ATOM	171	H8	DA	6	14.340	15.047	12.039	1.00	0.00
ATOM	172	N7	DA	6	15.197	16.853	11.305	1.00	0.00
ATOM	173	C5	DA	6	14.585	18.084	11.106	1.00	0.00
ATOM	174	C6	DA	6	15.066	19.322	10.605	1.00	0.00
ATOM	175	N6	DA	6	16.329	19.520	10.209	1.00	0.00
ATOM	176	H61	DA	6	16.613	20.425	9.861	1.00	0.00
ATOM	177	H62	DA	6	16.998	18.765	10.258	1.00	0.00

ATOM	178	N1	DA	6	14.198	20.357	10.535	1.00	0.00
ATOM	179	C2	DA	6	12.938	20.162	10.946	1.00	0.00
ATOM	180	H2	DA	6	12.223	20.970	10.899	1.00	0.00
ATOM	181	N3	DA	6	12.370	19.048	11.444	1.00	0.00
ATOM	182	C4	DA	6	13.259	18.034	11.497	1.00	0.00
ATOM	183	C3'	DA	6	10.654	14.188	13.168	1.00	0.00
ATOM	184	H3'	DA	6	10.746	13.103	13.115	1.00	0.00
ATOM	185	C2'	DA	6	11.373	14.820	11.974	1.00	0.00
ATOM	186	H2'	DA	6	11.868	14.041	11.394	1.00	0.00
ATOM	187	H2''	DA	6	10.648	15.336	11.345	1.00	0.00
ATOM	188	O3'	DA	6	9.262	14.480	13.256	1.00	0.00
ATOM	189	P	DT	7	8.258	14.006	12.104	1.00	0.00
ATOM	190	OP1	DT	7	6.947	13.813	12.710	1.00	0.00
ATOM	191	OP2	DT	7	8.856	12.940	11.281	1.00	0.00
ATOM	192	O5'	DT	7	8.163	15.293	11.202	1.00	0.00
ATOM	193	C5'	DT	7	7.907	16.566	11.799	1.00	0.00
ATOM	194	H5'	DT	7	8.682	16.703	12.554	1.00	0.00
ATOM	195	H5''	DT	7	6.898	16.578	12.211	1.00	0.00
ATOM	196	C4'	DT	7	8.037	17.644	10.754	1.00	0.00
ATOM	197	H4'	DT	7	7.718	18.571	11.231	1.00	0.00
ATOM	198	O4'	DT	7	9.413	17.875	10.402	1.00	0.00
ATOM	199	C1'	DT	7	9.471	18.252	9.036	1.00	0.00
ATOM	200	H1'	DT	7	9.341	19.320	8.861	1.00	0.00
ATOM	201	N1	DT	7	10.850	18.009	8.588	1.00	0.00
ATOM	202	C6	DT	7	11.414	16.754	8.659	1.00	0.00
ATOM	203	H6	DT	7	10.779	15.936	8.967	1.00	0.00
ATOM	204	C5	DT	7	12.689	16.491	8.322	1.00	0.00
ATOM	205	C7	DT	7	13.292	15.128	8.424	1.00	0.00
ATOM	206	H71	DT	7	12.736	14.436	7.791	1.00	0.00
ATOM	207	H72	DT	7	14.331	15.164	8.096	1.00	0.00
ATOM	208	H73	DT	7	13.249	14.788	9.459	1.00	0.00
ATOM	209	C4	DT	7	13.507	17.588	7.844	1.00	0.00
ATOM	210	O4	DT	7	14.687	17.499	7.508	1.00	0.00
ATOM	211	N3	DT	7	12.874	18.803	7.780	1.00	0.00
ATOM	212	H3	DT	7	13.483	19.629	7.412	1.00	0.00
ATOM	213	C2	DT	7	11.576	19.096	8.122	1.00	0.00
ATOM	214	O2	DT	7	11.113	20.233	8.017	1.00	0.00
ATOM	215	C3'	DT	7	7.286	17.382	9.446	1.00	0.00
ATOM	216	H3'	DT	7	6.817	16.399	9.418	1.00	0.00
ATOM	217	C2'	DT	7	8.356	17.467	8.358	1.00	0.00
ATOM	218	H2'	DT	7	8.293	16.588	7.717	1.00	0.00
ATOM	219	H2''	DT	7	8.197	18.364	7.760	1.00	0.00
ATOM	220	O3'	DT	7	6.228	18.341	9.347	1.00	0.00
ATOM	221	P	DT	8	5.196	18.285	8.120	1.00	0.00
ATOM	222	OP1	DT	8	3.928	18.831	8.653	1.00	0.00
ATOM	223	OP2	DT	8	5.211	16.970	7.475	1.00	0.00
ATOM	224	O5'	DT	8	5.818	19.323	7.094	1.00	0.00
ATOM	225	C5'	DT	8	6.104	20.657	7.510	1.00	0.00
ATOM	226	H5'	DT	8	6.690	20.549	8.423	1.00	0.00
ATOM	227	H5''	DT	8	5.171	21.204	7.646	1.00	0.00
ATOM	228	C4'	DT	8	6.937	21.347	6.466	1.00	0.00
ATOM	229	H4'	DT	8	7.071	22.363	6.839	1.00	0.00
ATOM	230	O4'	DT	8	8.271	20.815	6.382	1.00	0.00
ATOM	231	C1'	DT	8	8.709	20.942	5.040	1.00	0.00
ATOM	232	H1'	DT	8	9.188	21.896	4.818	1.00	0.00
ATOM	233	N1	DT	8	9.786	19.985	4.858	1.00	0.00
ATOM	234	C6	DT	8	9.556	18.638	5.074	1.00	0.00
ATOM	235	H6	DT	8	8.544	18.329	5.290	1.00	0.00
ATOM	236	C5	DT	8	10.502	17.708	4.979	1.00	0.00
ATOM	237	C7	DT	8	10.230	16.254	5.214	1.00	0.00

ATOM	238	H71	DT	8	9.482	15.904	4.503	1.00	0.00
ATOM	239	H72	DT	8	11.150	15.686	5.081	1.00	0.00
ATOM	240	H73	DT	8	9.860	16.113	6.229	1.00	0.00
ATOM	241	C4	DT	8	11.852	18.139	4.631	1.00	0.00
ATOM	242	O4	DT	8	12.819	17.406	4.547	1.00	0.00
ATOM	243	N3	DT	8	12.003	19.496	4.402	1.00	0.00
ATOM	244	H3	DT	8	13.001	19.831	4.120	1.00	0.00
ATOM	245	C2	DT	8	11.028	20.464	4.498	1.00	0.00
ATOM	246	O2	DT	8	11.253	21.654	4.285	1.00	0.00
ATOM	247	C3'	DT	8	6.372	21.324	5.049	1.00	0.00
ATOM	248	H3'	DT	8	5.455	20.746	4.934	1.00	0.00
ATOM	249	C2'	DT	8	7.476	20.700	4.203	1.00	0.00
ATOM	250	H2'	DT	8	7.076	19.848	3.653	1.00	0.00
ATOM	251	H2''	DT	8	7.857	21.440	3.499	1.00	0.00
ATOM	252	O3'	DT	8	6.060	22.664	4.718	1.00	0.00
ATOM	253	P	DC	9	5.633	23.056	3.231	1.00	0.00
ATOM	254	OP1	DC	9	4.777	24.264	3.372	1.00	0.00
ATOM	255	OP2	DC	9	5.136	21.862	2.474	1.00	0.00
ATOM	256	O5'	DC	9	7.010	23.523	2.599	1.00	0.00
ATOM	257	C5'	DC	9	7.795	24.522	3.246	1.00	0.00
ATOM	258	H5'	DC	9	8.172	24.079	4.168	1.00	0.00
ATOM	259	H5''	DC	9	7.181	25.403	3.433	1.00	0.00
ATOM	260	C4'	DC	9	8.959	24.903	2.367	1.00	0.00
ATOM	261	H4'	DC	9	9.497	25.703	2.876	1.00	0.00
ATOM	262	O4'	DC	9	9.908	23.818	2.295	1.00	0.00
ATOM	263	C1'	DC	9	10.221	23.504	0.941	1.00	0.00
ATOM	264	H1'	DC	9	11.156	23.950	0.602	1.00	0.00
ATOM	265	N1	DC	9	10.496	22.063	0.918	1.00	0.00
ATOM	266	C6	DC	9	9.509	21.162	1.213	1.00	0.00
ATOM	267	H6	DC	9	8.499	21.505	1.385	1.00	0.00
ATOM	268	C5	DC	9	9.772	19.854	1.293	1.00	0.00
ATOM	269	H5	DC	9	8.969	19.156	1.530	1.00	0.00
ATOM	270	C4	DC	9	11.121	19.442	1.060	1.00	0.00
ATOM	271	N4	DC	9	11.460	18.160	1.153	1.00	0.00
ATOM	272	H41	DC	9	12.425	17.916	0.980	1.00	0.00
ATOM	273	H42	DC	9	10.766	17.466	1.389	1.00	0.00
ATOM	274	N3	DC	9	12.084	20.311	0.747	1.00	0.00
ATOM	275	C2	DC	9	11.807	21.621	0.655	1.00	0.00
ATOM	276	O2	DC	9	12.681	22.438	0.347	1.00	0.00
ATOM	277	C3'	DC	9	8.616	25.264	0.922	1.00	0.00
ATOM	278	H3'	DC	9	7.576	25.493	0.690	1.00	0.00
ATOM	279	C2'	DC	9	9.062	24.042	0.116	1.00	0.00
ATOM	280	H2'	DC	9	8.190	23.562	-0.329	1.00	0.00
ATOM	281	H2''	DC	9	9.745	24.356	-0.673	1.00	0.00
ATOM	282	O3'	DC	9	9.415	26.393	0.613	1.00	0.00
ATOM	283	P	DG	10	8.967	27.410	-0.543	1.00	0.00
ATOM	284	OP1	DG	10	9.539	28.712	-0.121	1.00	0.00
ATOM	285	OP2	DG	10	7.537	27.286	-0.852	1.00	0.00
ATOM	286	O5'	DG	10	9.789	26.881	-1.789	1.00	0.00
ATOM	287	C5'	DG	10	11.213	26.858	-1.731	1.00	0.00
ATOM	288	H5'	DG	10	11.507	26.461	-0.760	1.00	0.00
ATOM	289	H5''	DG	10	11.599	27.867	-1.872	1.00	0.00
ATOM	290	C4'	DG	10	11.749	25.962	-2.815	1.00	0.00
ATOM	291	H4'	DG	10	12.818	26.131	-2.940	1.00	0.00
ATOM	292	O4'	DG	10	11.646	24.576	-2.415	1.00	0.00
ATOM	293	C1'	DG	10	11.122	23.882	-3.532	1.00	0.00
ATOM	294	H1'	DG	10	11.952	23.649	-4.199	1.00	0.00
ATOM	295	N9	DG	10	10.650	22.581	-3.105	1.00	0.00
ATOM	296	C8	DG	10	9.376	22.181	-2.794	1.00	0.00
ATOM	297	H8	DG	10	8.551	22.877	-2.814	1.00	0.00

ATOM	298	N7	DG	10	9.304	20.915	-2.486	1.00	0.00
ATOM	299	C5	DG	10	10.614	20.467	-2.594	1.00	0.00
ATOM	300	C6	DG	10	11.169	19.186	-2.384	1.00	0.00
ATOM	301	O6	DG	10	10.595	18.146	-2.033	1.00	0.00
ATOM	302	N1	DG	10	12.547	19.181	-2.617	1.00	0.00
ATOM	303	H1	DG	10	13.030	18.313	-2.503	1.00	0.00
ATOM	304	C2	DG	10	13.287	20.270	-2.997	1.00	0.00
ATOM	305	N2	DG	10	14.610	20.066	-3.194	1.00	0.00
ATOM	306	H21	DG	10	15.115	19.199	-3.080	1.00	0.00
ATOM	307	H22	DG	10	15.155	20.872	-3.466	1.00	0.00
ATOM	308	N3	DG	10	12.777	21.470	-3.181	1.00	0.00
ATOM	309	C4	DG	10	11.448	21.491	-2.969	1.00	0.00
ATOM	310	C3'	DG	10	10.983	26.088	-4.139	1.00	0.00
ATOM	311	H3'	DG	10	10.341	26.960	-4.265	1.00	0.00
ATOM	312	C2'	DG	10	10.136	24.826	-4.176	1.00	0.00
ATOM	313	H2'	DG	10	9.088	25.086	-4.026	1.00	0.00
ATOM	314	H2''	DG	10	10.253	24.337	-5.143	1.00	0.00
ATOM	315	O3'	DG	10	11.919	25.972	-5.215	1.00	0.00
ATOM	316	P	DC	11	12.458	27.280	-5.963	1.00	0.00
ATOM	317	OP1	DC	11	12.480	28.409	-5.000	1.00	0.00
ATOM	318	OP2	DC	11	11.647	27.383	-7.200	1.00	0.00
ATOM	319	O5'	DC	11	13.948	26.855	-6.327	1.00	0.00
ATOM	320	C5'	DC	11	14.960	26.774	-5.311	1.00	0.00
ATOM	321	H5'	DC	11	14.422	26.568	-4.386	1.00	0.00
ATOM	322	H5''	DC	11	15.525	27.706	-5.285	1.00	0.00
ATOM	323	C4'	DC	11	15.910	25.631	-5.600	1.00	0.00
ATOM	324	H4'	DC	11	16.667	25.700	-4.818	1.00	0.00
ATOM	325	O4'	DC	11	15.282	24.346	-5.384	1.00	0.00
ATOM	326	C1'	DC	11	15.425	23.519	-6.536	1.00	0.00
ATOM	327	H1'	DC	11	16.243	22.803	-6.450	1.00	0.00
ATOM	328	N1	DC	11	14.230	22.675	-6.585	1.00	0.00
ATOM	329	C6	DC	11	12.987	23.225	-6.763	1.00	0.00
ATOM	330	H6	DC	11	12.892	24.280	-6.974	1.00	0.00
ATOM	331	C5	DC	11	11.877	22.475	-6.680	1.00	0.00
ATOM	332	H5	DC	11	10.899	22.940	-6.803	1.00	0.00
ATOM	333	C4	DC	11	12.050	21.085	-6.421	1.00	0.00
ATOM	334	N4	DC	11	10.985	20.286	-6.287	1.00	0.00
ATOM	335	H41	DC	11	11.153	19.307	-6.104	1.00	0.00
ATOM	336	H42	DC	11	10.052	20.664	-6.369	1.00	0.00
ATOM	337	N3	DC	11	13.262	20.537	-6.296	1.00	0.00
ATOM	338	C2	DC	11	14.371	21.300	-6.377	1.00	0.00
ATOM	339	O2	DC	11	15.509	20.815	-6.267	1.00	0.00
ATOM	340	C3'	DC	11	16.519	25.558	-7.001	1.00	0.00
ATOM	341	H3'	DC	11	16.545	26.446	-7.633	1.00	0.00
ATOM	342	C2'	DC	11	15.691	24.475	-7.681	1.00	0.00
ATOM	343	H2'	DC	11	15.019	24.933	-8.407	1.00	0.00
ATOM	344	H2''	DC	11	16.354	23.776	-8.191	1.00	0.00
ATOM	345	O3'	DC	11	17.857	25.082	-6.787	1.00	0.00
ATOM	346	P	DG3	12	18.981	25.204	-7.937	1.00	0.00
ATOM	347	OP1	DG3	12	20.100	25.982	-7.344	1.00	0.00
ATOM	348	OP2	DG3	12	18.351	25.655	-9.207	1.00	0.00
ATOM	349	O5'	DG3	12	19.535	23.719	-8.107	1.00	0.00
ATOM	350	C5'	DG3	12	18.670	22.624	-8.342	1.00	0.00
ATOM	351	H5'	DG3	12	17.745	22.975	-8.799	1.00	0.00
ATOM	352	H5''	DG3	12	18.444	22.130	-7.397	1.00	0.00
ATOM	353	C4'	DG3	12	19.343	21.650	-9.272	1.00	0.00
ATOM	354	H4'	DG3	12	20.246	21.223	-8.836	1.00	0.00
ATOM	355	O4'	DG3	12	18.456	20.535	-9.424	1.00	0.00
ATOM	356	C1'	DG3	12	17.792	20.587	-10.665	1.00	0.00
ATOM	357	H1'	DG3	12	17.887	19.636	-11.189	1.00	0.00

ATOM	358	N9	DG3	12	16.369	20.677	-10.371	1.00	0.00
ATOM	359	C8	DG3	12	15.562	21.794	-10.380	1.00	0.00
ATOM	360	H8	DG3	12	15.954	22.770	-10.626	1.00	0.00
ATOM	361	N7	DG3	12	14.325	21.522	-10.064	1.00	0.00
ATOM	362	C5	DG3	12	14.318	20.152	-9.840	1.00	0.00
ATOM	363	C6	DG3	12	13.255	19.273	-9.485	1.00	0.00
ATOM	364	O6	DG3	12	12.054	19.541	-9.299	1.00	0.00
ATOM	365	N1	DG3	12	13.702	17.954	-9.357	1.00	0.00
ATOM	366	H1	DG3	12	13.025	17.262	-9.107	1.00	0.00
ATOM	367	C2	DG3	12	14.998	17.531	-9.553	1.00	0.00
ATOM	368	N2	DG3	12	15.232	16.222	-9.394	1.00	0.00
ATOM	369	H21	DG3	12	14.562	15.512	-9.134	1.00	0.00
ATOM	370	H22	DG3	12	16.184	15.914	-9.529	1.00	0.00
ATOM	371	N3	DG3	12	15.991	18.340	-9.887	1.00	0.00
ATOM	372	C4	DG3	12	15.578	19.623	-10.017	1.00	0.00
ATOM	373	C3'	DG3	12	19.585	22.202	-10.677	1.00	0.00
ATOM	374	H3'	DG3	12	19.661	23.289	-10.687	1.00	0.00
ATOM	375	C2'	DG3	12	18.346	21.775	-11.441	1.00	0.00
ATOM	376	H2'	DG3	12	17.915	22.639	-11.947	1.00	0.00
ATOM	377	H2''	DG3	12	18.616	21.019	-12.179	1.00	0.00
ATOM	378	O3'	DG3	12	20.769	21.656	-11.256	1.00	0.00
ATOM	379	HO3'	DG3	12	20.969	21.970	-12.141	1.00	0.00
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ATOM	380	HO5'	DC5	13	6.908	11.359	-9.132	1.00	0.00
ATOM	381	O5'	DC5	13	7.852	11.318	-8.962	1.00	0.00
ATOM	382	C5'	DC5	13	8.663	10.453	-9.760	1.00	0.00
ATOM	383	H5'	DC5	13	8.553	10.813	-10.783	1.00	0.00
ATOM	384	H5''	DC5	13	8.308	9.424	-9.697	1.00	0.00
ATOM	385	C4'	DC5	13	10.124	10.500	-9.371	1.00	0.00
ATOM	386	H4'	DC5	13	10.663	9.877	-10.086	1.00	0.00
ATOM	387	O4'	DC5	13	10.667	11.825	-9.564	1.00	0.00
ATOM	388	C1'	DC5	13	11.265	12.323	-8.375	1.00	0.00
ATOM	389	H1'	DC5	13	12.353	12.327	-8.442	1.00	0.00
ATOM	390	N1	DC5	13	10.916	13.750	-8.299	1.00	0.00
ATOM	391	C6	DC5	13	9.632	14.137	-8.014	1.00	0.00
ATOM	392	H6	DC5	13	8.880	13.393	-7.798	1.00	0.00
ATOM	393	C5	DC5	13	9.288	15.432	-7.998	1.00	0.00
ATOM	394	H5	DC5	13	8.256	15.705	-7.776	1.00	0.00
ATOM	395	C4	DC5	13	10.308	16.395	-8.276	1.00	0.00
ATOM	396	N4	DC5	13	10.020	17.697	-8.277	1.00	0.00
ATOM	397	H41	DC5	13	10.769	18.343	-8.478	1.00	0.00
ATOM	398	H42	DC5	13	9.080	18.011	-8.081	1.00	0.00
ATOM	399	N3	DC5	13	11.569	16.036	-8.541	1.00	0.00
ATOM	400	C2	DC5	13	11.914	14.726	-8.562	1.00	0.00
ATOM	401	O2	DC5	13	13.081	14.362	-8.808	1.00	0.00
ATOM	402	C3'	DC5	13	10.437	10.130	-7.925	1.00	0.00
ATOM	403	H3'	DC5	13	9.646	9.607	-7.388	1.00	0.00
ATOM	404	C2'	DC5	13	10.712	11.467	-7.249	1.00	0.00
ATOM	405	H2'	DC5	13	9.971	11.640	-6.469	1.00	0.00
ATOM	406	H2''	DC5	13	11.708	11.453	-6.806	1.00	0.00
ATOM	407	O3'	DC5	13	11.600	9.312	-7.938	1.00	0.00
ATOM	408	P	DG	14	12.053	8.530	-6.610	1.00	0.00
ATOM	409	OP1	DG	14	12.539	7.185	-7.042	1.00	0.00
ATOM	410	OP2	DG	14	11.009	8.640	-5.563	1.00	0.00
ATOM	411	O5'	DG	14	13.291	9.394	-6.120	1.00	0.00
ATOM	412	C5'	DG	14	14.408	9.581	-6.976	1.00	0.00
ATOM	413	H5'	DG	14	14.002	9.890	-7.939	1.00	0.00
ATOM	414	H5''	DG	14	14.982	8.656	-7.032	1.00	0.00
ATOM	415	C4'	DG	14	15.279	10.678	-6.433	1.00	0.00
ATOM	416	H4'	DG	14	16.171	10.712	-7.058	1.00	0.00

ATOM	417	O4'	DG	14	14.675	11.972	-6.596	1.00	0.00
ATOM	418	C1'	DG	14	14.985	12.780	-5.476	1.00	0.00
ATOM	419	H1'	DG	14	15.862	13.391	-5.689	1.00	0.00
ATOM	420	N9	DG	14	13.910	13.758	-5.331	1.00	0.00
ATOM	421	C8	DG	14	12.619	13.498	-4.942	1.00	0.00
ATOM	422	H8	DG	14	12.303	12.492	-4.707	1.00	0.00
ATOM	423	N7	DG	14	11.872	14.566	-4.900	1.00	0.00
ATOM	424	C5	DG	14	12.719	15.599	-5.289	1.00	0.00
ATOM	425	C6	DG	14	12.464	16.981	-5.424	1.00	0.00
ATOM	426	O6	DG	14	11.396	17.585	-5.243	1.00	0.00
ATOM	427	N1	DG	14	13.603	17.679	-5.816	1.00	0.00
ATOM	428	H1	DG	14	13.522	18.670	-5.922	1.00	0.00
ATOM	429	C2	DG	14	14.831	17.116	-6.061	1.00	0.00
ATOM	430	N2	DG	14	15.805	17.968	-6.419	1.00	0.00
ATOM	431	H21	DG	14	15.725	18.968	-6.536	1.00	0.00
ATOM	432	H22	DG	14	16.710	17.563	-6.610	1.00	0.00
ATOM	433	N3	DG	14	15.078	15.810	-5.952	1.00	0.00
ATOM	434	C4	DG	14	13.983	15.121	-5.558	1.00	0.00
ATOM	435	C3'	DG	14	15.622	10.535	-4.958	1.00	0.00
ATOM	436	H3'	DG	14	15.161	9.667	-4.486	1.00	0.00
ATOM	437	C2'	DG	14	15.088	11.811	-4.309	1.00	0.00
ATOM	438	H2'	DG	14	14.454	11.550	-3.461	1.00	0.00
ATOM	439	H2''	DG	14	15.923	12.421	-3.964	1.00	0.00
ATOM	440	O3'	DG	14	17.026	10.331	-4.877	1.00	0.00
ATOM	441	P	DC	15	17.740	10.184	-3.461	1.00	0.00
ATOM	442	OP1	DC	15	18.945	9.344	-3.662	1.00	0.00
ATOM	443	OP2	DC	15	16.733	9.806	-2.445	1.00	0.00
ATOM	444	O5'	DC	15	18.221	11.665	-3.148	1.00	0.00
ATOM	445	C5'	DC	15	19.064	12.358	-4.048	1.00	0.00
ATOM	446	H5'	DC	15	18.757	12.154	-5.074	1.00	0.00
ATOM	447	H5''	DC	15	20.094	12.028	-3.910	1.00	0.00
ATOM	448	C4'	DC	15	18.977	13.840	-3.790	1.00	0.00
ATOM	449	H4'	DC	15	19.551	14.375	-4.547	1.00	0.00
ATOM	450	O4'	DC	15	17.626	14.297	-3.972	1.00	0.00
ATOM	451	C1'	DC	15	17.454	15.513	-3.235	1.00	0.00
ATOM	452	H1'	DC	15	17.458	16.377	-3.900	1.00	0.00
ATOM	453	N1	DC	15	16.092	15.513	-2.673	1.00	0.00
ATOM	454	C6	DC	15	15.540	14.379	-2.131	1.00	0.00
ATOM	455	H6	DC	15	16.122	13.472	-2.065	1.00	0.00
ATOM	456	C5	DC	15	14.276	14.376	-1.676	1.00	0.00
ATOM	457	H5	DC	15	13.854	13.463	-1.255	1.00	0.00
ATOM	458	C4	DC	15	13.548	15.600	-1.770	1.00	0.00
ATOM	459	N4	DC	15	12.297	15.671	-1.334	1.00	0.00
ATOM	460	H41	DC	15	11.819	16.557	-1.420	1.00	0.00
ATOM	461	H42	DC	15	11.851	14.859	-0.932	1.00	0.00
ATOM	462	N3	DC	15	14.087	16.704	-2.286	1.00	0.00
ATOM	463	C2	DC	15	15.359	16.690	-2.735	1.00	0.00
ATOM	464	O2	DC	15	15.900	17.704	-3.201	1.00	0.00
ATOM	465	C3'	DC	15	19.317	14.264	-2.371	1.00	0.00
ATOM	466	H3'	DC	15	18.959	13.610	-1.576	1.00	0.00
ATOM	467	C2'	DC	15	18.628	15.623	-2.261	1.00	0.00
ATOM	468	H2'	DC	15	18.732	16.002	-1.244	1.00	0.00
ATOM	469	H2''	DC	15	19.090	16.322	-2.958	1.00	0.00
ATOM	470	O3'	DC	15	20.738	14.345	-2.263	1.00	0.00
ATOM	471	P	DG	16	21.424	14.639	-0.847	1.00	0.00
ATOM	472	OP1	DG	16	22.828	14.175	-0.955	1.00	0.00
ATOM	473	OP2	DG	16	20.542	14.103	0.234	1.00	0.00
ATOM	474	O5'	DG	16	21.402	16.219	-0.718	1.00	0.00
ATOM	475	C5'	DG	16	22.084	17.056	-1.638	1.00	0.00
ATOM	476	H5'	DG	16	21.730	16.833	-2.645	1.00	0.00

ATOM	477	H5 ' '	DG	16	23.157	16.881	-1.563	1.00	0.00
ATOM	478	C4'	DG	16	21.783	18.499	-1.315	1.00	0.00
ATOM	479	H4'	DG	16	22.158	19.148	-2.106	1.00	0.00
ATOM	480	O4'	DG	16	20.342	18.696	-1.335	1.00	0.00
ATOM	481	C1'	DG	16	19.885	19.133	-0.048	1.00	0.00
ATOM	482	H1'	DG	16	19.575	20.174	-0.140	1.00	0.00
ATOM	483	N9	DG	16	18.643	18.429	0.279	1.00	0.00
ATOM	484	C8	DG	16	18.497	17.151	0.767	1.00	0.00
ATOM	485	H8	DG	16	19.356	16.515	0.924	1.00	0.00
ATOM	486	N7	DG	16	17.251	16.831	0.999	1.00	0.00
ATOM	487	C5	DG	16	16.532	17.963	0.638	1.00	0.00
ATOM	488	C6	DG	16	15.130	18.228	0.674	1.00	0.00
ATOM	489	O6	DG	16	14.214	17.487	1.035	1.00	0.00
ATOM	490	N1	DG	16	14.839	19.513	0.226	1.00	0.00
ATOM	491	H1	DG	16	13.880	19.796	0.225	1.00	0.00
ATOM	492	C2	DG	16	15.768	20.425	-0.213	1.00	0.00
ATOM	493	N2	DG	16	15.295	21.619	-0.606	1.00	0.00
ATOM	494	H21	DG	16	14.329	21.914	-0.624	1.00	0.00
ATOM	495	H22	DG	16	15.976	22.287	-0.937	1.00	0.00
ATOM	496	N3	DG	16	17.067	20.190	-0.263	1.00	0.00
ATOM	497	C4	DG	16	17.377	18.951	0.180	1.00	0.00
ATOM	498	C3'	DG	16	22.258	18.944	0.076	1.00	0.00
ATOM	499	H3'	DG	16	23.052	18.343	0.519	1.00	0.00
ATOM	500	C2'	DG	16	21.008	18.850	0.940	1.00	0.00
ATOM	501	H2'	DG	16	21.159	18.102	1.719	1.00	0.00
ATOM	502	H2 ' '	DG	16	20.810	19.818	1.400	1.00	0.00
ATOM	503	O3'	DG	16	22.766	20.275	-0.076	1.00	0.00
ATOM	504	P	DA	17	22.722	21.352	1.129	1.00	0.00
ATOM	505	OP1	DA	17	23.815	22.298	0.753	1.00	0.00
ATOM	506	OP2	DA	17	22.725	20.721	2.460	1.00	0.00
ATOM	507	O5'	DA	17	21.321	22.073	0.942	1.00	0.00
ATOM	508	C5'	DA	17	20.969	22.717	-0.290	1.00	0.00
ATOM	509	H5'	DA	17	20.630	21.961	-0.999	1.00	0.00
ATOM	510	H5 ' '	DA	17	21.837	23.245	-0.685	1.00	0.00
ATOM	511	C4'	DA	17	19.850	23.702	-0.041	1.00	0.00
ATOM	512	H4'	DA	17	19.554	24.168	-0.981	1.00	0.00
ATOM	513	O4'	DA	17	18.678	22.977	0.387	1.00	0.00
ATOM	514	C1'	DA	17	18.284	23.347	1.713	1.00	0.00
ATOM	515	H1'	DA	17	17.378	23.945	1.815	1.00	0.00
ATOM	516	N9	DA	17	17.934	22.099	2.396	1.00	0.00
ATOM	517	C8	DA	17	18.791	21.090	2.750	1.00	0.00
ATOM	518	H8	DA	17	19.858	21.223	2.647	1.00	0.00
ATOM	519	N7	DA	17	18.191	20.040	3.257	1.00	0.00
ATOM	520	C5	DA	17	16.846	20.394	3.260	1.00	0.00
ATOM	521	C6	DA	17	15.689	19.705	3.665	1.00	0.00
ATOM	522	N6	DA	17	15.711	18.462	4.143	1.00	0.00
ATOM	523	H61	DA	17	14.850	18.012	4.420	1.00	0.00
ATOM	524	H62	DA	17	16.588	17.969	4.228	1.00	0.00
ATOM	525	N1	DA	17	14.502	20.346	3.548	1.00	0.00
ATOM	526	C2	DA	17	14.485	21.580	3.041	1.00	0.00
ATOM	527	H2	DA	17	13.551	22.113	2.939	1.00	0.00
ATOM	528	N3	DA	17	15.501	22.320	2.607	1.00	0.00
ATOM	529	C4	DA	17	16.672	21.664	2.751	1.00	0.00
ATOM	530	C3'	DA	17	20.127	24.729	1.060	1.00	0.00
ATOM	531	H3'	DA	17	21.169	24.954	1.287	1.00	0.00
ATOM	532	C2'	DA	17	19.459	24.121	2.289	1.00	0.00
ATOM	533	H2'	DA	17	20.220	23.859	3.025	1.00	0.00
ATOM	534	H2 ' '	DA	17	18.768	24.844	2.723	1.00	0.00
ATOM	535	O3'	DA	17	19.481	25.938	0.649	1.00	0.00
ATOM	536	P	DA	18	19.585	27.272	1.543	1.00	0.00

ATOM	537	OP1	DA	18	19.399	28.404	0.597	1.00	0.00
ATOM	538	OP2	DA	18	20.774	27.219	2.424	1.00	0.00
ATOM	539	O5'	DA	18	18.306	27.192	2.490	1.00	0.00
ATOM	540	C5'	DA	18	17.005	27.186	1.942	1.00	0.00
ATOM	541	H5'	DA	18	16.987	26.316	1.286	1.00	0.00
ATOM	542	H5''	DA	18	16.819	28.134	1.437	1.00	0.00
ATOM	543	C4'	DA	18	15.992	26.999	3.040	1.00	0.00
ATOM	544	H4'	DA	18	15.030	27.206	2.571	1.00	0.00
ATOM	545	O4'	DA	18	15.893	25.631	3.479	1.00	0.00
ATOM	546	C1'	DA	18	15.603	25.596	4.871	1.00	0.00
ATOM	547	H1'	DA	18	14.540	25.564	5.108	1.00	0.00
ATOM	548	N9	DA	18	16.096	24.315	5.390	1.00	0.00
ATOM	549	C8	DA	18	17.391	23.890	5.486	1.00	0.00
ATOM	550	H8	DA	18	18.198	24.559	5.228	1.00	0.00
ATOM	551	N7	DA	18	17.520	22.672	5.962	1.00	0.00
ATOM	552	C5	DA	18	16.219	22.273	6.212	1.00	0.00
ATOM	553	C6	DA	18	15.678	21.080	6.722	1.00	0.00
ATOM	554	N6	DA	18	16.408	20.015	7.073	1.00	0.00
ATOM	555	H61	DA	18	15.954	19.188	7.433	1.00	0.00
ATOM	556	H62	DA	18	17.413	20.038	6.978	1.00	0.00
ATOM	557	N1	DA	18	14.335	21.010	6.850	1.00	0.00
ATOM	558	C2	DA	18	13.603	22.053	6.476	1.00	0.00
ATOM	559	H2	DA	18	12.528	22.011	6.566	1.00	0.00
ATOM	560	N3	DA	18	13.991	23.226	5.973	1.00	0.00
ATOM	561	C4	DA	18	15.330	23.273	5.867	1.00	0.00
ATOM	562	C3'	DA	18	16.214	27.852	4.287	1.00	0.00
ATOM	563	H3'	DA	18	17.134	28.437	4.266	1.00	0.00
ATOM	564	C2'	DA	18	16.277	26.844	5.435	1.00	0.00
ATOM	565	H2'	DA	18	17.173	27.024	6.029	1.00	0.00
ATOM	566	H2''	DA	18	15.395	26.956	6.066	1.00	0.00
ATOM	567	O3'	DA	18	15.136	28.782	4.360	1.00	0.00
ATOM	568	P	DT	19	14.865	29.619	5.710	1.00	0.00
ATOM	569	OP1	DT	19	14.172	30.844	5.281	1.00	0.00
ATOM	570	OP2	DT	19	16.107	29.695	6.515	1.00	0.00
ATOM	571	O5'	DT	19	13.846	28.701	6.510	1.00	0.00
ATOM	572	C5'	DT	19	12.684	28.174	5.864	1.00	0.00
ATOM	573	H5'	DT	19	13.042	27.558	5.039	1.00	0.00
ATOM	574	H5''	DT	19	12.051	28.995	5.528	1.00	0.00
ATOM	575	C4'	DT	19	11.909	27.311	6.826	1.00	0.00
ATOM	576	H4'	DT	19	11.014	26.979	6.301	1.00	0.00
ATOM	577	O4'	DT	19	12.626	26.090	7.129	1.00	0.00
ATOM	578	C1'	DT	19	12.544	25.808	8.521	1.00	0.00
ATOM	579	H1'	DT	19	11.703	25.173	8.801	1.00	0.00
ATOM	580	N1	DT	19	13.716	24.979	8.867	1.00	0.00
ATOM	581	C6	DT	19	14.995	25.475	8.711	1.00	0.00
ATOM	582	H6	DT	19	15.094	26.513	8.430	1.00	0.00
ATOM	583	C5	DT	19	16.107	24.759	8.938	1.00	0.00
ATOM	584	C7	DT	19	17.488	25.309	8.745	1.00	0.00
ATOM	585	H71	DT	19	17.631	26.171	9.396	1.00	0.00
ATOM	586	H72	DT	19	18.223	24.543	8.992	1.00	0.00
ATOM	587	H73	DT	19	17.616	25.614	7.706	1.00	0.00
ATOM	588	C4	DT	19	15.943	23.388	9.393	1.00	0.00
ATOM	589	O4	DT	19	16.852	22.613	9.632	1.00	0.00
ATOM	590	N3	DT	19	14.631	22.971	9.551	1.00	0.00
ATOM	591	H3	DT	19	14.500	21.946	9.898	1.00	0.00
ATOM	592	C2	DT	19	13.496	23.688	9.310	1.00	0.00
ATOM	593	O2	DT	19	12.381	23.202	9.467	1.00	0.00
ATOM	594	C3'	DT	19	11.584	27.960	8.173	1.00	0.00
ATOM	595	H3'	DT	19	11.844	29.016	8.241	1.00	0.00
ATOM	596	C2'	DT	19	12.409	27.166	9.184	1.00	0.00

ATOM	597	H2'	DT	19	13.091	27.838	9.705	1.00	0.00
ATOM	598	H2''	DT	19	11.743	26.694	9.906	1.00	0.00
ATOM	599	O3'	DT	19	10.189	27.833	8.395	1.00	0.00
ATOM	600	P	DT	20	9.501	28.568	9.648	1.00	0.00
ATOM	601	OP1	DT	20	8.217	29.106	9.155	1.00	0.00
ATOM	602	OP2	DT	20	10.464	29.479	10.294	1.00	0.00
ATOM	603	O5'	DT	20	9.217	27.334	10.599	1.00	0.00
ATOM	604	C5'	DT	20	8.666	26.140	10.056	1.00	0.00
ATOM	605	H5'	DT	20	9.336	25.863	9.242	1.00	0.00
ATOM	606	H5''	DT	20	7.640	26.325	9.737	1.00	0.00
ATOM	607	C4'	DT	20	8.671	25.050	11.094	1.00	0.00
ATOM	608	H4'	DT	20	8.048	24.261	10.674	1.00	0.00
ATOM	609	O4'	DT	20	9.970	24.445	11.239	1.00	0.00
ATOM	610	C1'	DT	20	10.285	24.306	12.618	1.00	0.00
ATOM	611	H1'	DT	20	9.984	23.355	13.057	1.00	0.00
ATOM	612	N1	DT	20	11.753	24.267	12.716	1.00	0.00
ATOM	613	C6	DT	20	12.509	25.389	12.425	1.00	0.00
ATOM	614	H6	DT	20	11.979	26.312	12.242	1.00	0.00
ATOM	615	C5	DT	20	13.852	25.402	12.412	1.00	0.00
ATOM	616	C7	DT	20	14.653	26.626	12.099	1.00	0.00
ATOM	617	H71	DT	20	14.420	27.408	12.822	1.00	0.00
ATOM	618	H72	DT	20	15.716	26.389	12.151	1.00	0.00
ATOM	619	H73	DT	20	14.408	26.975	11.096	1.00	0.00
ATOM	620	C4	DT	20	14.546	24.169	12.720	1.00	0.00
ATOM	621	O4	DT	20	15.765	24.036	12.699	1.00	0.00
ATOM	622	N3	DT	20	13.735	23.086	13.046	1.00	0.00
ATOM	623	H3	DT	20	14.247	22.159	13.306	1.00	0.00
ATOM	624	C2	DT	20	12.350	23.061	13.068	1.00	0.00
ATOM	625	O2	DT	20	11.716	22.055	13.367	1.00	0.00
ATOM	626	C3'	DT	20	8.228	25.450	12.498	1.00	0.00
ATOM	627	H3'	DT	20	7.733	26.412	12.631	1.00	0.00
ATOM	628	C2'	DT	20	9.522	25.427	13.309	1.00	0.00
ATOM	629	H2'	DT	20	9.793	26.444	13.591	1.00	0.00
ATOM	630	H2''	DT	20	9.378	24.827	14.208	1.00	0.00
ATOM	631	O3'	DT	20	7.349	24.412	12.922	1.00	0.00
ATOM	632	P	DC	21	6.372	24.633	14.185	1.00	0.00
ATOM	633	OP1	DC	21	5.058	24.006	13.851	1.00	0.00
ATOM	634	OP2	DC	21	6.449	26.055	14.615	1.00	0.00
ATOM	635	O5'	DC	21	7.051	23.746	15.313	1.00	0.00
ATOM	636	C5'	DC	21	7.250	22.356	15.105	1.00	0.00
ATOM	637	H5'	DC	21	7.578	22.198	14.078	1.00	0.00
ATOM	638	H5''	DC	21	6.319	21.822	15.297	1.00	0.00
ATOM	639	C4'	DC	21	8.318	21.866	16.046	1.00	0.00
ATOM	640	H4'	DC	21	8.447	20.791	15.922	1.00	0.00
ATOM	641	O4'	DC	21	9.594	22.420	15.720	1.00	0.00
ATOM	642	C1'	DC	21	10.377	22.256	16.884	1.00	0.00
ATOM	643	H1'	DC	21	10.757	21.239	16.981	1.00	0.00
ATOM	644	N1	DC	21	11.582	23.058	16.698	1.00	0.00
ATOM	645	C6	DC	21	11.513	24.384	16.372	1.00	0.00
ATOM	646	H6	DC	21	10.555	24.880	16.324	1.00	0.00
ATOM	647	C5	DC	21	12.621	25.087	16.108	1.00	0.00
ATOM	648	H5	DC	21	12.538	26.141	15.841	1.00	0.00
ATOM	649	C4	DC	21	13.868	24.403	16.197	1.00	0.00
ATOM	650	N4	DC	21	14.999	25.046	15.934	1.00	0.00
ATOM	651	H41	DC	21	15.862	24.527	16.008	1.00	0.00
ATOM	652	H42	DC	21	14.981	26.021	15.670	1.00	0.00
ATOM	653	N3	DC	21	13.945	23.122	16.543	1.00	0.00
ATOM	654	C2	DC	21	12.813	22.427	16.813	1.00	0.00
ATOM	655	O2	DC	21	12.840	21.242	17.163	1.00	0.00
ATOM	656	C3'	DC	21	8.060	22.260	17.496	1.00	0.00

ATOM	657	H3'	DC	21	7.409	23.121	17.650	1.00	0.00
ATOM	658	C2'	DC	21	9.449	22.565	18.057	1.00	0.00
ATOM	659	H2'	DC	21	9.383	23.395	18.760	1.00	0.00
ATOM	660	H2''	DC	21	9.835	21.685	18.570	1.00	0.00
ATOM	661	O3'	DC	21	7.406	21.136	18.085	1.00	0.00
ATOM	662	P	DG	22	6.749	21.241	19.556	1.00	0.00
ATOM	663	OP1	DG	22	5.888	20.030	19.702	1.00	0.00
ATOM	664	OP2	DG	22	6.183	22.583	19.800	1.00	0.00
ATOM	665	O5'	DG	22	8.000	21.043	20.519	1.00	0.00
ATOM	666	C5'	DG	22	8.688	19.794	20.587	1.00	0.00
ATOM	667	H5'	DG	22	9.048	19.558	19.586	1.00	0.00
ATOM	668	H5''	DG	22	8.011	19.025	20.959	1.00	0.00
ATOM	669	C4'	DG	22	9.868	19.921	21.521	1.00	0.00
ATOM	670	H4'	DG	22	10.287	18.927	21.679	1.00	0.00
ATOM	671	O4'	DG	22	10.942	20.674	20.904	1.00	0.00
ATOM	672	C1'	DG	22	11.372	21.653	21.822	1.00	0.00
ATOM	673	H1'	DG	22	12.171	21.228	22.430	1.00	0.00
ATOM	674	N9	DG	22	12.028	22.718	21.090	1.00	0.00
ATOM	675	C8	DG	22	11.473	23.887	20.647	1.00	0.00
ATOM	676	H8	DG	22	10.427	24.104	20.807	1.00	0.00
ATOM	677	N7	DG	22	12.335	24.660	20.036	1.00	0.00
ATOM	678	C5	DG	22	13.532	23.949	20.080	1.00	0.00
ATOM	679	C6	DG	22	14.820	24.272	19.577	1.00	0.00
ATOM	680	O6	DG	22	15.181	25.292	18.956	1.00	0.00
ATOM	681	N1	DG	22	15.739	23.266	19.847	1.00	0.00
ATOM	682	H1	DG	22	16.678	23.408	19.533	1.00	0.00
ATOM	683	C2	DG	22	15.466	22.103	20.504	1.00	0.00
ATOM	684	N2	DG	22	16.493	21.262	20.671	1.00	0.00
ATOM	685	H21	DG	22	17.443	21.392	20.353	1.00	0.00
ATOM	686	H22	DG	22	16.293	20.395	21.150	1.00	0.00
ATOM	687	N3	DG	22	14.272	21.783	20.967	1.00	0.00
ATOM	688	C4	DG	22	13.358	22.748	20.723	1.00	0.00
ATOM	689	C3'	DG	22	9.557	20.639	22.837	1.00	0.00
ATOM	690	H3'	DG	22	8.518	20.734	23.152	1.00	0.00
ATOM	691	C2'	DG	22	10.156	22.023	22.641	1.00	0.00
ATOM	692	H2'	DG	22	9.355	22.751	22.513	1.00	0.00
ATOM	693	H2''	DG	22	10.752	22.289	23.514	1.00	0.00
ATOM	694	O3'	DG	22	10.325	19.982	23.833	1.00	0.00
ATOM	695	P	DC	23	9.791	19.880	25.340	1.00	0.00
ATOM	696	OP1	DC	23	8.717	18.881	25.357	1.00	0.00
ATOM	697	OP2	DC	23	9.567	21.231	25.879	1.00	0.00
ATOM	698	O5'	DC	23	11.051	19.250	26.080	1.00	0.00
ATOM	699	C5'	DC	23	11.599	17.986	25.636	1.00	0.00
ATOM	700	H5'	DC	23	11.125	17.745	24.685	1.00	0.00
ATOM	701	H5''	DC	23	11.396	17.219	26.383	1.00	0.00
ATOM	702	C4'	DC	23	13.097	18.083	25.435	1.00	0.00
ATOM	703	H4'	DC	23	13.442	17.095	25.131	1.00	0.00
ATOM	704	O4'	DC	23	13.422	18.939	24.318	1.00	0.00
ATOM	705	C1'	DC	23	14.664	19.604	24.585	1.00	0.00
ATOM	706	H1'	DC	23	15.397	19.393	23.807	1.00	0.00
ATOM	707	N1	DC	23	14.434	21.047	24.462	1.00	0.00
ATOM	708	C6	DC	23	13.203	21.593	24.707	1.00	0.00
ATOM	709	H6	DC	23	12.396	20.969	25.062	1.00	0.00
ATOM	710	C5	DC	23	12.978	22.895	24.514	1.00	0.00
ATOM	711	H5	DC	23	11.987	23.304	24.708	1.00	0.00
ATOM	712	C4	DC	23	14.067	23.684	24.046	1.00	0.00
ATOM	713	N4	DC	23	13.895	24.974	23.785	1.00	0.00
ATOM	714	H41	DC	23	14.694	25.497	23.455	1.00	0.00
ATOM	715	H42	DC	23	12.991	25.404	23.917	1.00	0.00
ATOM	716	N3	DC	23	15.287	23.161	23.844	1.00	0.00

