

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ATOM 497 N2 G 15 -0.937 7.522 39.760 1.00 0.00 N
ATOM 498 H21 G 15 -1.878 7.304 39.466 1.00 0.00 H
ATOM 499 H22 G 15 -0.741 8.493 39.958 1.00 0.00 H
ATOM 500 N3 G 15 1.275 7.086 40.280 1.00 0.00 N
ATOM 501 C4 G 15 2.171 6.063 40.350 1.00 0.00 C
ATOM 502 C3' G 15 4.903 7.380 43.360 1.00 0.00 C
ATOM 503 H3' G 15 4.503 6.586 43.990 1.00 0.00 H
ATOM 504 C2' G 15 3.783 7.967 42.510 1.00 0.00 C
ATOM 505 H2' G 15 2.914 7.668 43.096 1.00 0.00 H
ATOM 506 O2' G 15 3.868 9.384 42.480 1.00 0.00 O
ATOM 507 HO2' G 15 3.059 9.705 42.076 1.00 0.00 H
ATOM 508 O3' G 15 5.098 8.064 44.590 1.00 0.00 O
ATOM 509 HO3' G 15 4.363 8.009 45.205 1.00 0.00 H

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ATOM 510 HO5' C 16 -8.254 2.331 35.699 1.00 0.00 H
ATOM 511 O5' C 16 -7.866 3.194 35.860 1.00 0.00 O
ATOM 512 C5' C 16 -8.733 4.335 35.990 1.00 0.00 C
ATOM 513 H5' C 16 -9.422 4.190 36.822 1.00 0.00 H
ATOM 514 H5" C 16 -9.300 4.458 35.067 1.00 0.00 H
ATOM 515 C4' C 16 -7.900 5.594 36.240 1.00 0.00 C
ATOM 516 H4' C 16 -8.547 6.470 36.290 1.00 0.00 H
ATOM 517 O4' C 16 -7.317 5.494 37.570 1.00 0.00 O
ATOM 518 C1' C 16 -6.014 6.077 37.570 1.00 0.00 C
ATOM 519 H1' C 16 -5.943 6.805 38.378 1.00 0.00 H
ATOM 520 N1 C 16 -5.035 5.035 37.950 1.00 0.00 N
ATOM 521 C6 C 16 -5.375 3.708 37.960 1.00 0.00 C
ATOM 522 H6 C 16 -6.376 3.410 37.684 1.00 0.00 H
ATOM 523 C5 C 16 -4.480 2.756 38.310 1.00 0.00 C
ATOM 524 H5 C 16 -4.775 1.707 38.318 1.00 0.00 H
ATOM 525 C4 C 16 -3.160 3.204 38.670 1.00 0.00 C
ATOM 526 N4 C 16 -2.240 2.327 39.030 1.00 0.00 N

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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