

PDB USED - 1HQ2.PDB - bound state of 6-hydroxymethyl-7,8-dihydropterin pyrophosphokinase

nodes = 158
average degree = 7.72151898734
avg clustering coeff = 0.544386450399
edges = 610
average shortest path = 4.42562283319

BETWEENNESS CENTRALITY

NODE NO	VALUE
1	0
2	165
3	157
4	304
5	378
6	286
7	355
8	280
9	328
10	653
11	334
12	114
13	0
14	30
15	321
16	11
17	25
18	430
19	95
20	61
21	82
22	159
23	98
24	46
25	127
26	0
27	417
28	31
29	200
30	0
31	56
32	247
33	98
34	156
35	0
36	187
37	74
38	301
39	29
40	217
41	270
42	134
43	272
44	142
45	282
46	52

47	46
48	90
49	39
50	0
51	123
52	43
53	145
54	235
55	301
56	192
57	360
58	320
59	122
60	242
61	253
62	52
63	190
64	80
65	195
66	49
67	15
68	8
69	74
70	308
71	14
72	15
73	174
74	651
75	14
76	15
77	238
78	559
79	0
80	0
81	58
82	55
83	212
84	140
85	124
86	45
87	24
88	37
89	0
90	101
91	319
92	144
93	324
94	177
95	203
96	49
97	372
98	35
99	158
100	337
101	250
102	237
103	0
104	295
105	66
106	73

107	89
108	157
109	37
110	0
111	0
112	121
113	151
114	499
115	0
116	290
117	0
118	69
119	246
120	0
121	35
122	173
123	164
124	296
125	337
126	124
127	30
128	212
129	110
130	210
131	65
132	148
133	243
134	108
135	10
136	65
137	113
138	483
139	82
140	0
141	0
142	0
143	139
144	543
145	87
146	66
147	46
148	223
149	0
150	0
151	0
152	127
153	314
154	75
155	37
156	207
157	54
158	0
159	0

CLOSENESS CENTRALITY

NODE NO	VALUE
1	0
2	0.0014880952381

3	0.0016077170418
4	0.00170648464164
5	0.00183823529412
6	0.0019267822736
7	0.00202429149798
8	0.00194552529183
9	0.00196078431373
10	0.00184501845018
11	0.0017094017094
12	0.00151515151515
13	0.00137551581843
14	0.00138888888889
15	0.00161812297735
16	0.00138312586445
17	0.00139664804469
18	0.0016051364366
19	0.00157480314961
20	0.00138312586445
21	0.00139275766017
22	0.0014245014245
23	0.00143266475645
24	0.00133155792277
25	0.0013986013986
26	0.00134770889488
27	0.00148588410104
28	0.00127226463104
29	0.00138121546961
30	0.00125786163522
31	0.00131233595801
32	0.0014450867052
33	0.00148367952522
34	0.00155520995334
35	0.00149476831091
36	0.00162337662338
37	0.00164473684211
38	0.00175131348511
39	0.0016051364366
40	0.00170068027211
41	0.00170357751278
42	0.00158478605388
43	0.00166112956811
44	0.00149476831091
45	0.00149031296572
46	0.00125470514429
47	0.00125313283208
48	0.00120627261761
49	0.00125
50	0.00111234705228
51	0.00132450331126
52	0.00141843971631
53	0.00157232704403
54	0.00172117039587
55	0.00184501845018
56	0.0018691588785
57	0.00195694716243
58	0.00190476190476
59	0.0018315018315
60	0.00174825174825
61	0.00165289256198
62	0.00153609831029

63	0.00147710487445
64	0.00134228187919
65	0.00134408602151
66	0.00126903553299
67	0.00121802679659
68	0.00119474313023
69	0.00125628140704
70	0.00139470013947
71	0.00137174211248
72	0.00137362637363
73	0.0014367816092
74	0.00166389351082
75	0.00142857142857
76	0.00142653352354
77	0.00148367952522
78	0.00170357751278
79	0.00144717800289
80	0.00141242937853
81	0.00152671755725
82	0.00146627565982
83	0.0015243902439
84	0.00135501355014
85	0.00125628140704
86	0.00115074798619
87	0.00107991360691
88	0.0011273957159
89	0.00112233445567
90	0.00121654501217
91	0.00133511348465
92	0.00142045454545
93	0.00161812297735
94	0.00161030595813
95	0.00179533213645
96	0.0018115942029
97	0.00196463654224
98	0.0018281535649
99	0.00185873605948
100	0.0018018018018
101	0.0017094017094
102	0.0016155088853
103	0.00151515151515
104	0.00149253731343
105	0.00136612021858
106	0.00133868808568
107	0.00129701686122
108	0.00129533678756
109	0.00115074798619
110	0.00108225108225
111	0.00105596620908
112	0.00126103404792
113	0.00135135135135
114	0.0015455950541
115	0.00150829562594
116	0.00162601626016
117	0.00141843971631
118	0.00145348837209
119	0.0015873015873
120	0.00140845070423
121	0.00138504155125
122	0.00159744408946

123	0.00158478605388
124	0.00174216027875
125	0.0017825311943
126	0.00168067226891
127	0.00163132137031
128	0.00177304964539
129	0.00166666666667
130	0.00157232704403
131	0.00152905198777
132	0.00156985871272
133	0.0014367816092
134	0.00139275766017
135	0.00125156445557
136	0.00130548302872
137	0.00125628140704
138	0.00136054421769
139	0.00128865979381
140	0.00114155251142
141	0.00115340253749
142	0.0012315270936
143	0.00124378109453
144	0.00140252454418
145	0.00122399020808
146	0.00118063754427
147	0.00118203309693
148	0.00126742712294
149	0.00113250283126
150	0.0011013215859
151	0.00118483412322
152	0.00122549019608
153	0.00136798905609
154	0.00129198966408
155	0.00129198966408
156	0.00146412884334
157	0.0014245014245
158	0.001414427157
159	0.00151285930408

PDB USED - 1IM6.PDB - unbound state of 6-hydroxymethyl-7,8-dihydropterin pyrophosphokinase

nodes = 158
average degree = 7.50632911392
avg clustering coeff = 0.554656770796
edges = 593
average shortest path = 4.54906071112

BETWEENNESS CENTRALITY

NODE NO	VALUE
1	0
2	100
3	207
4	248
5	381
6	305
7	343
8	308
9	231
10	596
11	328
12	158
13	0
14	32
15	416
16	11
17	36
18	13
19	383
20	58
21	125
22	52
23	130
24	41
25	265
26	0
27	496
28	48
29	68
30	0
31	49
32	340
33	49
34	160
35	0
36	173
37	65
38	299
39	129
40	121
41	274
42	198
43	127
44	150
45	179
46	111

47	6
48	4
49	2
50	131
51	86
52	262
53	110
54	326
55	340
56	218
57	347
58	390
59	117
60	266
61	251
62	37
63	157
64	42
65	96
66	18
67	374
68	32
69	86
70	175
71	69
72	28
73	91
74	479
75	50
76	15
77	230
78	496
79	113
80	0
81	55
82	139
83	399
84	264
85	0
86	0
87	0
88	33
89	0
90	4
91	299
92	0
93	46
94	466
95	146
96	48
97	340
98	38
99	129
100	334
101	99
102	486
103	39
104	169
105	77
106	93

107	98
108	0
109	76
110	0
111	0
112	240
113	153
114	475
115	44
116	285
117	0
118	63
119	238
120	0
121	38
122	171
123	258
124	267
125	381
126	83
127	25
128	217
129	141
130	44
131	101
132	110
133	264
134	142
135	100
136	262
137	319
138	45
139	395
140	0
141	0
142	3
143	187
144	42
145	227
146	90
147	61
148	0
149	0
150	99
151	240
152	83
153	232
154	84
155	20
156	257
157	10
158	0
159	0

CLOSENESS CENTRALITY

NODE NO	VALUE
1	0
2	0.00143061516452

3	0.00157480314961
4	0.00168067226891
5	0.00181488203267
6	0.00188323917137
7	0.00197628458498
8	0.00190114068441
9	0.00188679245283
10	0.00181488203267
11	0.00157232704403
12	0.00153609831029
13	0.00134048257373
14	0.00134228187919
15	0.00155763239875
16	0.00130548302872
17	0.00133868808568
18	0.00134228187919
19	0.00152671755725
20	0.00131406044678
21	0.00134770889488
22	0.00134770889488
23	0.00142857142857
24	0.00133333333333
25	0.00140252454418
26	0.00133333333333
27	0.00149031296572
28	0.00127388535032
29	0.00135317997294
30	0.00124843945069
31	0.00130039011704
32	0.00145772594752
33	0.00148148148148
34	0.00155520995334
35	0.00148367952522
36	0.00159744408946
37	0.00161030595813
38	0.00172711571675
39	0.00162866449511
40	0.00167785234899
41	0.00166389351082
42	0.00154320987654
43	0.0015243902439
44	0.00139275766017
45	0.001287001287
46	0.00115874855156
47	0.00107874865156
48	0.00101214574899
49	0.00104384133612
50	0.00116009280742
51	0.00123762376238
52	0.00140252454418
53	0.00151057401813
54	0.00168067226891
55	0.00178890876565
56	0.0018115942029
57	0.00189753320683
58	0.00193423597679
59	0.0018115942029
60	0.00175438596491
61	0.00162074554295
62	0.00152905198777

63	0.00144927536232
64	0.00131578947368
65	0.00137551581843
66	0.00131752305665
67	0.00146627565982
68	0.00130548302872
69	0.00135135135135
70	0.0014598540146
71	0.00145137880987
72	0.00138888888889
73	0.00142247510669
74	0.00162337662338
75	0.00144717800289
76	0.00140252454418
77	0.00145772594752
78	0.00163666121113
79	0.00142857142857
80	0.00138888888889
81	0.00139470013947
82	0.0014598540146
83	0.00136612021858
84	0.00126422250316
85	0.00114810562572
86	0.00114547537228
87	0.00115207373272
88	0.00115340253749
89	0.00114810562572
90	0.00110497237569
91	0.00132450331126
92	0.00128865979381
93	0.00136798905609
94	0.0015923566879
95	0.00169779286927
96	0.0017667844523
97	0.00186567164179
98	0.0017793594306
99	0.00176056338028
100	0.00177619893428
101	0.00162074554295
102	0.00162866449511
103	0.00147928994083
104	0.00138696255201
105	0.0013986013986
106	0.00134952766532
107	0.00131578947368
108	0.00130890052356
109	0.00114942528736
110	0.00106723585912
111	0.00106723585912
112	0.00127713920817
113	0.00134589502019
114	0.00156739811912
115	0.0015243902439
116	0.0015873015873
117	0.00137931034483
118	0.00143266475645
119	0.0015600624025
120	0.00137741046832
121	0.00136612021858
122	0.00156985871272

123	0.0015625
124	0.00168634064081
125	0.0017667844523
126	0.00162337662338
127	0.00157728706625
128	0.00172711571675
129	0.0016501650165
130	0.00151515151515
131	0.0015037593985
132	0.00153846153846
133	0.00142045454545
134	0.00135685210312
135	0.00124533001245
136	0.00126422250316
137	0.0011862396204
138	0.00118343195266
139	0.00125313283208
140	0.00109170305677
141	0.00111607142857
142	0.0010298661174
143	0.00114810562572
144	0.00114678899083
145	0.00118764845606
146	0.00108342361863
147	0.00112612612613
148	0.00112233445567
149	0.00108577633008
150	0.00107991360691
151	0.00117370892019
152	0.00118063754427
153	0.00134589502019
154	0.00137174211248
155	0.00125786163522
156	0.00147928994083
157	0.00141843971631
158	0.00144717800289
159	0.00149700598802