

New SCS- and SOS-MP2 coefficients fitted to semi-Coulombic systems

Electronic Supporting Information

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1 Molecular structures

All 186 molecular structures used in this study are included as part of the ESI. Structures are in XYZ format and can be imported without modification into most molecular structure viewers (e.g. molten).

2 Raw correlation energies

All energies given in this section are in kJ/mol.

2.1 CCSD(T)/CBS

Table S 1: CCSD(T)/CBS benchmark energies

ion pair	CCSD(T)/CBS (kJ/mol)
c1mim-bf4-p1	-34.59261546
c1mim-br-p1	-45.4351599
c1mim-br-p2	-30.18904041
c1mim-cl-p1	-38.54406944
c1mim-cl-p2	-27.53587869
c1mim-dca-p1	-55.62964364
c1mim-dca-p2	-42.80619942
c1mim-mes-p1	-42.58176379
c1mim-ntf2-p1	-63.94076488
c1mim-ntf2-p2	-35.66836056
c1mim-ntf2-p3	-41.42927435
c1mim-pf6-p1	-36.27730776
c1mim-tos-p1	-41.00495655
c1mpyr-bf4-p1	-32.73700622
c1mpyr-bf4-p2	-30.32967875
c1mpyr-br-p1	-43.52216654
c1mpyr-br-p2	-41.84853766
c1mpyr-cl-p1	-37.77881609
c1mpyr-cl-p2	-36.97910415
c1mpyr-dca-p1	-39.69699754
c1mpyr-dca-p2	-43.21578964
c1mpyr-dca-p3	-39.67313144
c1mpyr-dca-p4	-41.81373462
c1mpyr-mes-p1	-38.32608329
c1mpyr-mes-p2	-34.06977254
c1mpyr-ntf2-p1	-43.54179243
c1mpyr-ntf2-p2	-34.67942323
c1mpyr-ntf2-p3	-42.40533035
c1mpyr-ntf2-p5	-36.00261195
c1mpyr-pf6-p1	-32.32693992
c1mpyr-pf6-p2	-30.11317134
c1mpyr-tos-p1	-36.43519628
c1mpyr-tos-p2	-32.12201707
c2mim-bf4-p1	-36.73997541
c2mim-bf4-p2	-34.23816261
c2mim-br-p1	-46.96958392
c2mim-br-p2	-33.41679387
c2mim-br-p3	-34.03038949
c2mim-br-p4	-46.47528589
c2mim-cl-p1	-40.32376459
c2mim-cl-p2	-29.61895395

c2mim-cl-p3	-30.49692589
c2mim-cl-p4	-39.32103516
c2mim-dca-p1	-56.76969959
c2mim-dca-p2	-53.82443785
c2mim-dca-p3	-56.92446007
c2mim-dca-p4	-54.24742256
c2mim-dca-p5	-55.69091435
c2mim-dca-p6	-55.79152719
c2mim-mes-p1	-47.44082118
c2mim-mes-p2	-43.14191336
c2mim-ntf2-p1	-70.03429014
c2mim-ntf2-p2	-45.32592844
c2mim-ntf2-p3	-44.542232
c2mim-ntf2-p4	-61.74520469
c2mim-pf6-p1	-40.05361175
c2mim-pf6-p2	-36.45021504
c2mim-tos-p1	-46.90862183
c2mim-tos-p2	-41.82852089
c2mpyr-bf4-p1	-33.19101064
c2mpyr-bf4-p2	-31.22033589
c2mpyr-bf4-p3	-30.93291425
c2mpyr-br-p1	-44.10413507
c2mpyr-br-p2	-42.82968237
c2mpyr-br-p3	-42.42933928
c2mpyr-cl-p1	-38.07097349
c2mpyr-cl-p2	-37.25865661
c2mpyr-cl-p3	-37.10314942
c2mpyr-dca-p1	-39.64286363
c2mpyr-dca-p2	-42.70233743
c2mpyr-dca-p3	-43.41796094
c2mpyr-mes-p1	-39.34294044
c2mpyr-mes-p2	-36.45470911
c2mpyr-mes-p3	-35.25750103
c2mpyr-ntf2-p1	-44.66575738
c2mpyr-ntf2-p2	-36.81403056
c2mpyr-ntf2-p3	-43.93645619
c2mpyr-ntf2-p4	-42.93683332
c2mpyr-ntf2-p5	-38.41662734
c2mpyr-ntf2-p6	-36.31547581
c2mpyr-pf6-p1	-32.50600536
c2mpyr-pf6-p2	-30.93111833
c2mpyr-pf6-p3	-30.55192422
c2mpyr-tos-p1	-37.61719676
c2mpyr-tos-p2	-34.89014986
c3mim-bf4-p1	-37.49525975
c3mim-bf4-p2	-36.3451419
c3mim-br-p1	-47.5197504
c3mim-br-p2	-33.72882238
c3mim-br-p3	-37.81795428
c3mim-br-p4	-47.72426404
c3mim-cl-p1	-40.69998126
c3mim-cl-p2	-29.73856445
c3mim-cl-p3	-33.26838878
c3mim-cl-p4	-40.10299595
c3mim-dca-p1	-57.54243619
c3mim-dca-p2	-58.90073928

c3mim-dca-p3	-51.04233752
c3mim-dca-p4	-59.86400879
c3mim-dca-p5	-56.9995504
c3mim-dca-p6	-55.86982765
c3mim-mes-p1	-49.60972472
c3mim-mes-p2	-43.52658976
c3mim-pf6-p1	-40.40495079
c3mim-pf6-p2	-36.52358571
c3mim-tos-p1	-49.50737807
c3mim-tos-p2	-46.81377536
c3mpyr-bf4-p1	-33.52206047
c3mpyr-bf4-p2	-31.37383379
c3mpyr-bf4-p3	-31.20056686
c3mpyr-br-p1	-44.81990349
c3mpyr-br-p2	-42.61336794
c3mpyr-br-p3	-43.04477435
c3mpyr-cl-p1	-38.44944844
c3mpyr-cl-p2	-37.43897787
c3mpyr-cl-p3	-37.38002336
c3mpyr-dca-p1	-40.61336734
c3mpyr-dca-p2	-42.67075368
c3mpyr-dca-p3	-38.60306656
c3mpyr-dca-p4	-41.51279878
c3mpyr-dca-p5	-43.30314499
c3mpyr-mes-p1	-39.98966323
c3mpyr-mes-p2	-36.66117682
c3mpyr-mes-p3	-35.96540876
c3mpyr-ntf2-p1	-46.65771109
c3mpyr-ntf2-p2	-36.4220815
c3mpyr-ntf2-p3	-44.1139107
c3mpyr-ntf2-p4	-44.78694929
c3mpyr-ntf2-p5	-38.3265928
c3mpyr-ntf2-p6	-37.77012701
c3mpyr-pf6-p1	-33.57132413
c3mpyr-pf6-p2	-30.85357007
c3mpyr-pf6-p3	-30.99116145
c3mpyr-tos-p1	-38.37123672
c3mpyr-tos-p2	-35.00884058
c4mim-bf4-p1	-37.95657694
c4mim-bf4-p2	-36.49994061
c4mim-br-p1	-48.25574338
c4mim-br-p2	-34.53499247
c4mim-br-p3	-39.33749419
c4mim-br-p4	-48.11103553
c4mim-cl-p1	-41.15425441
c4mim-cl-p2	-30.1827531
c4mim-cl-p3	-34.39107577
c4mim-cl-p4	-40.41146036
c4mim-dca-p1	-58.07943587
c4mim-dca-p2	-61.15918168
c4mim-dca-p3	-57.22230351
c4mim-mes-p1	-50.6537313
c4mim-mes-p2	-43.64231432
c4mim-pf6-p1	-42.57971105
c4mim-pf6-p2	-36.57442582
c4mim-tos-p1	-51.32876831

c4mim-tos-p2	-47.55323457
c4mpyr-bf4-p1	-33.61903072
c4mpyr-bf4-p2	-31.47678409
c4mpyr-bf4-p3	-31.40151882
c4mpyr-br-p1	-45.02527274
c4mpyr-br-p2	-42.81761782
c4mpyr-br-p3	-43.27885784
c4mpyr-cl-p1	-38.45244524
c4mpyr-cl-p2	-37.83424867
c4mpyr-cl-p3	-37.34728108
c4mpyr-dca-p1	-40.41750046
c4mpyr-dca-p2	-42.61530321
c4mpyr-dca-p3	-41.27105576
c4mpyr-dca-p4	-42.12580485
c4mpyr-dca-p5	-43.41471637
c4mpyr-mes-p1	-40.00125408
c4mpyr-mes-p2	-37.02600965
c4mpyr-mes-p3	-36.17194436
c4mpyr-pf6-p1	-33.66086331
c4mpyr-pf6-p2	-31.23716226
c4mpyr-pf6-p3	-31.20153379

2.2 MP2

2.2.1 KSV(P) basis set

Table S 2: Raw KSV(P) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-31.8	-11.4	-1263.8	-3412.3	-641.5	-1824.3	-609.8	-1568.6	-642.5	-1827.1	-615.1	-1580.0
c1mim-br-p1	-33.5	-17.5	-855.0	-2261.2	-643.6	-1833.8	-196.3	-408.9	-644.5	-1835.9	-199.8	-418.4
c1mim-br-p2	-20.8	-9.5	-850.0	-2253.9	-643.4	-1834.5	-196.3	-408.9	-643.7	-1835.3	-199.0	-416.3
c1mim-cl-p1	-30.9	-9.4	-747.4	-2101.1	-643.4	-1833.5	-91.5	-249.2	-644.2	-1835.2	-96.6	-263.1
c1mim-cl-p2	-21.9	-6.2	-745.0	-2096.4	-643.6	-1835.2	-91.5	-249.2	-643.9	-1835.9	-95.2	-260.2
c1mim-dca-p1	-54.2	-35.4	-1193.9	-3231.2	-641.9	-1825.5	-528.2	-1375.3	-643.4	-1829.3	-532.6	-1384.4
c1mim-dca-p2	-41.3	-26.4	-1188.3	-3225.0	-641.9	-1826.8	-527.9	-1375.3	-642.9	-1829.3	-531.4	-1383.3
c1mim-mes-p1	-43.6	-16.7	-1252.3	-3412.3	-641.9	-1825.1	-591.6	-1562.3	-643.0	-1827.8	-599.3	-1577.8
c1mim-ntf2-p1	-64.9	-39.2	-2565.1	-6664.5	-641.5	-1824.5	-1895.9	-4802.8	-642.8	-1827.9	-1902.8	-4816.9
c1mim-ntf2-p2	-37.3	-20.6	-2553.7	-6647.5	-641.8	-1826.6	-1894.9	-4800.6	-642.5	-1828.5	-1899.3	-4810.3
c1mim-ntf2-p3	-37.7	-17.3	-2554.3	-6647.6	-641.6	-1825.3	-1895.7	-4801.7	-642.4	-1827.7	-1901.3	-4813.2
c1mim-pf6-p1	-35.8	-13.6	-1575.7	-4205.9	-641.5	-1824.4	-919.9	-2359.9	-642.3	-1826.8	-926.2	-2372.6
c1mim-tos-p1	-40.6	-14.5	-1797.7	-4832.8	-641.7	-1825.0	-1138.3	-2985.0	-642.8	-1827.8	-1145.7	-2999.8
c1mpyr-bf4-p1	-33.9	-13.7	-1211.9	-3422.1	-588.7	-1834.7	-609.5	-1567.2	-589.5	-1836.9	-614.8	-1579.0
c1mpyr-bf4-p2	-30.7	-12.7	-1210.7	-3420.4	-588.8	-1834.9	-609.5	-1567.2	-589.6	-1837.0	-614.2	-1577.6
c1mpyr-br-p1	-37.2	-23.0	-802.0	-2265.6	-589.2	-1835.9	-196.3	-408.9	-589.7	-1837.1	-199.7	-418.0
c1mpyr-br-p2	-35.3	-21.8	-801.1	-2264.9	-589.2	-1836.2	-196.3	-408.9	-589.7	-1837.4	-199.5	-417.6
c1mpyr-cl-p1	-37.1	-18.0	-695.8	-2107.2	-589.3	-1836.0	-91.5	-249.2	-589.6	-1836.9	-96.1	-262.3
c1mpyr-cl-p2	-35.8	-17.6	-695.2	-2106.8	-589.3	-1836.2	-91.5	-249.2	-589.6	-1837.1	-95.9	-261.8
c1mpyr-dca-p1	-38.7	-24.6	-1128.9	-3216.1	-589.1	-1835.5	-522.1	-1359.6	-589.9	-1837.6	-525.8	-1367.2
c1mpyr-dca-p2	-43.0	-27.6	-1130.1	-3219.0	-589.0	-1835.2	-522.0	-1359.9	-590.0	-1837.7	-525.9	-1367.9
c1mpyr-dca-p3	-38.3	-24.4	-1126.9	-3217.5	-588.7	-1835.0	-522.1	-1360.3	-589.5	-1837.0	-525.6	-1367.9
c1mpyr-dca-p4	-41.3	-27.0	-1129.1	-3217.9	-588.7	-1835.0	-522.1	-1359.9	-589.6	-1837.3	-525.8	-1367.4
c1mpyr-mes-p1	-43.2	-17.2	-1199.3	-3423.4	-588.7	-1835.2	-591.8	-1563.9	-589.5	-1837.3	-599.3	-1579.4
c1mpyr-mes-p2	-38.6	-15.5	-1197.6	-3421.3	-588.9	-1835.7	-591.8	-1563.9	-589.8	-1838.0	-598.2	-1577.4
c1mpyr-ntf2-p1	-48.8	-28.6	-2504.4	-6665.7	-588.9	-1834.7	-1894.9	-4802.8	-589.7	-1836.9	-1900.6	-4814.3
c1mpyr-ntf2-p2	-37.8	-19.1	-2499.7	-6657.4	-588.7	-1834.5	-1894.6	-4801.5	-589.4	-1836.4	-1899.9	-4812.3
c1mpyr-ntf2-p3	-47.4	-27.9	-2503.9	-6664.7	-588.9	-1835.0	-1894.8	-4802.5	-589.7	-1837.1	-1900.2	-4813.6
c1mpyr-ntf2-p5	-39.0	-19.4	-2500.2	-6658.0	-588.9	-1834.7	-1894.5	-4801.1	-589.5	-1836.6	-1900.1	-4812.5
c1mpyr-pf6-p1	-36.1	-15.0	-1523.3	-4216.3	-588.7	-1834.6	-920.0	-2360.2	-589.3	-1836.3	-926.1	-2372.9
c1mpyr-pf6-p2	-33.4	-13.9	-1522.3	-4215.0	-588.7	-1834.8	-920.1	-2360.3	-589.3	-1836.3	-925.7	-2372.1

∞

c1mpyr-tos-p1	-39.7	-14.3	-1744.2	-4843.0	-588.7	-1835.2	-1137.8	-2985.8	-589.5	-1837.3	-1145.2	-3000.8
c1mpyr-tos-p2	-34.8	-12.0	-1741.9	-4840.6	-588.8	-1835.3	-1137.8	-2985.8	-589.6	-1837.2	-1144.5	-2999.2
c2mim-bf4-p1	-33.8	-11.5	-1348.2	-3669.9	-725.1	-2080.8	-609.8	-1568.6	-726.2	-2083.7	-615.6	-1581.1
c2mim-bf4-p2	-31.4	-11.3	-1346.8	-3668.0	-724.7	-2080.3	-609.8	-1568.6	-725.7	-2082.8	-615.0	-1579.9
c2mim-br-p1	-34.7	-17.9	-938.5	-2518.3	-726.7	-2090.1	-196.3	-408.9	-727.6	-2092.2	-200.0	-419.0
c2mim-br-p2	-24.6	-11.5	-935.5	-2513.8	-727.3	-2092.3	-196.3	-408.9	-727.8	-2093.4	-199.4	-417.3
c2mim-br-p3	-24.2	-11.6	-934.8	-2512.9	-726.9	-2091.4	-196.3	-408.9	-727.2	-2092.3	-199.4	-417.2
c2mim-br-p4	-35.0	-18.7	-938.8	-2518.9	-726.9	-2090.7	-196.3	-408.9	-727.8	-2092.8	-199.9	-418.6
c2mim-cl-p1	-32.4	-9.8	-831.2	-2358.6	-726.7	-2090.0	-91.5	-249.2	-727.4	-2091.7	-96.8	-264.0
c2mim-cl-p2	-25.0	-7.4	-830.2	-2356.0	-727.6	-2093.0	-91.5	-249.2	-727.9	-2093.9	-95.7	-261.4
c2mim-cl-p3	-24.8	-7.2	-829.6	-2355.1	-727.1	-2092.1	-91.5	-249.2	-727.3	-2092.8	-95.9	-261.5
c2mim-cl-p4	-32.0	-10.3	-831.1	-2358.7	-726.7	-2090.3	-91.5	-249.2	-727.4	-2092.1	-96.7	-263.3
c2mim-dca-p1	-57.2	-38.2	-1278.0	-3489.4	-725.0	-2081.4	-528.0	-1375.7	-726.5	-2085.1	-532.6	-1385.0
c2mim-dca-p2	-53.3	-35.1	-1276.8	-3486.8	-725.2	-2081.4	-528.1	-1375.5	-726.5	-2084.8	-532.5	-1384.5
c2mim-dca-p3	-57.2	-37.9	-1278.4	-3489.1	-725.0	-2081.5	-528.3	-1375.5	-726.5	-2085.2	-532.9	-1385.0
c2mim-dca-p4	-54.2	-36.3	-1277.1	-3487.2	-725.1	-2081.4	-528.1	-1375.5	-726.5	-2085.0	-532.4	-1384.1
c2mim-dca-p5	-54.5	-35.6	-1277.2	-3487.3	-725.0	-2081.4	-528.3	-1375.3	-726.6	-2085.2	-532.6	-1384.5
c2mim-dca-p6	-54.7	-36.1	-1276.9	-3487.4	-725.0	-2081.0	-528.3	-1375.4	-726.4	-2084.8	-532.6	-1384.5
c2mim-mes-p1	-49.0	-19.6	-1338.3	-3671.8	-725.6	-2081.8	-591.6	-1562.2	-726.7	-2084.6	-600.0	-1579.2
c2mim-mes-p2	-44.8	-17.5	-1335.8	-3668.9	-725.0	-2080.9	-591.6	-1562.4	-726.1	-2083.7	-599.4	-1578.1
c2mim-ntf2-p1	-70.8	-42.1	-2651.2	-6924.3	-725.1	-2081.0	-1895.8	-4802.7	-726.6	-2084.7	-1903.6	-4818.5
c2mim-ntf2-p2	-48.1	-26.5	-2641.9	-6911.2	-725.3	-2082.7	-1895.3	-4801.7	-726.1	-2084.9	-1901.4	-4814.3
c2mim-ntf2-p3	-41.4	-18.8	-2639.4	-6905.8	-725.0	-2081.5	-1895.7	-4801.6	-725.9	-2084.0	-1902.0	-4814.6
c2mim-ntf2-p4	-61.1	-36.1	-2647.7	-6919.3	-725.0	-2080.9	-1896.4	-4803.6	-726.2	-2084.2	-1903.1	-4817.3
c2mim-pf6-p1	-40.2	-14.7	-1660.9	-4464.8	-725.0	-2080.8	-919.9	-2359.8	-725.9	-2083.3	-927.2	-2374.6
c2mim-pf6-p2	-36.1	-14.0	-1658.9	-4461.9	-724.7	-2080.2	-919.9	-2359.9	-725.5	-2082.6	-926.2	-2372.6
c2mim-tos-p1	-47.3	-17.8	-1884.4	-5093.1	-725.5	-2081.6	-1138.3	-2984.8	-726.7	-2084.6	-1146.8	-3001.7
c2mim-tos-p2	-42.1	-15.4	-1881.6	-5089.5	-725.0	-2081.0	-1138.3	-2984.9	-726.1	-2083.7	-1145.9	-3000.1
c2mpyr-bf4-p1	-34.9	-14.1	-1296.7	-3681.1	-673.1	-2093.1	-609.5	-1567.2	-674.0	-2095.4	-615.0	-1579.3
c2mpyr-bf4-p2	-32.7	-13.2	-1296.3	-3680.4	-673.5	-2093.6	-609.5	-1567.3	-674.4	-2096.0	-614.6	-1578.6
c2mpyr-bf4-p3	-31.8	-13.2	-1295.6	-3679.6	-673.3	-2093.5	-609.5	-1567.2	-674.1	-2095.6	-614.3	-1578.0
c2mpyr-br-p1	-38.3	-23.7	-886.8	-2524.5	-673.7	-2094.2	-196.3	-408.9	-674.2	-2095.6	-199.8	-418.1
c2mpyr-br-p2	-37.2	-22.6	-886.4	-2524.6	-673.6	-2095.0	-196.3	-408.9	-674.2	-2096.4	-199.8	-418.0
c2mpyr-br-p3	-36.3	-22.3	-885.8	-2523.7	-673.6	-2094.4	-196.3	-408.9	-674.1	-2095.7	-199.6	-417.7
c2mpyr-cl-p1	-37.8	-18.4	-780.5	-2366.0	-673.7	-2094.3	-91.5	-249.2	-674.1	-2095.3	-96.2	-262.5
c2mpyr-cl-p2	-36.6	-17.7	-780.0	-2365.7	-673.6	-2094.8	-91.5	-249.2	-674.0	-2095.9	-96.0	-262.0
c2mpyr-cl-p3	-36.3	-17.8	-779.8	-2365.5	-673.7	-2094.5	-91.5	-249.2	-674.1	-2095.5	-95.9	-262.0
c2mpyr-dca-p1	-39.1	-24.9	-1213.5	-3474.7	-673.5	-2093.8	-522.1	-1359.6	-674.4	-2096.0	-525.8	-1367.2
c2mpyr-dca-p2	-43.2	-27.5	-1214.7	-3477.4	-673.2	-2093.6	-522.1	-1360.0	-674.2	-2096.1	-526.1	-1368.1

c2mpyr-dca-p3	-43.6	-28.0	-1214.7	-3477.9	-673.4	-2093.7	-522.0	-1359.9	-674.4	-2096.2	-525.9	-1367.9
c2mpyr-mes-p1	-45.3	-18.2	-1284.5	-3683.1	-673.1	-2093.5	-591.8	-1563.9	-674.0	-2095.8	-599.6	-1580.0
c2mpyr-mes-p2	-41.6	-16.2	-1283.5	-3681.7	-673.7	-2094.1	-591.8	-1564.0	-674.5	-2096.4	-599.1	-1579.0
c2mpyr-mes-p3	-40.5	-16.3	-1282.8	-3680.9	-673.4	-2094.2	-591.8	-1563.9	-674.3	-2096.5	-598.5	-1578.0
c2mpyr-ntf2-p1	-49.8	-29.2	-2589.4	-6924.8	-673.4	-2093.0	-1895.0	-4803.0	-674.3	-2095.4	-1900.7	-4814.7
c2mpyr-ntf2-p2	-40.3	-20.7	-2585.2	-6917.4	-673.1	-2093.0	-1894.7	-4801.7	-673.9	-2094.9	-1900.2	-4813.0
c2mpyr-ntf2-p3	-49.8	-28.5	-2589.3	-6924.8	-673.2	-2093.2	-1895.0	-4802.9	-674.0	-2095.4	-1901.0	-4815.2
c2mpyr-ntf2-p4	-48.0	-28.1	-2588.5	-6923.8	-673.3	-2093.2	-1895.0	-4802.9	-674.1	-2095.4	-1900.5	-4814.2
c2mpyr-ntf2-p5	-40.7	-20.8	-2585.2	-6917.4	-673.0	-2092.9	-1894.6	-4801.5	-673.7	-2095.0	-1900.2	-4813.0
c2mpyr-ntf2-p6	-39.0	-19.7	-2584.8	-6916.9	-673.3	-2093.1	-1894.7	-4801.6	-674.0	-2095.0	-1900.2	-4812.9
c2mpyr-pf6-p1	-36.6	-15.4	-1608.2	-4475.1	-673.3	-2093.2	-920.0	-2360.2	-674.0	-2095.0	-926.1	-2372.8
c2mpyr-pf6-p2	-34.8	-14.4	-1607.5	-4474.3	-673.3	-2093.3	-920.1	-2360.3	-674.0	-2095.2	-925.8	-2372.4
c2mpyr-pf6-p3	-34.2	-14.3	-1607.0	-4474.0	-673.2	-2093.2	-920.1	-2360.3	-673.9	-2094.9	-925.8	-2372.2
c2mpyr-tos-p1	-41.9	-15.4	-1829.4	-5102.8	-673.1	-2093.5	-1137.8	-2985.9	-674.0	-2095.7	-1145.5	-3001.5
c2mpyr-tos-p2	-38.5	-13.6	-1828.4	-5101.5	-673.6	-2094.0	-1137.8	-2985.9	-674.5	-2096.3	-1145.0	-3000.5
c3mim-bf4-p1	-34.9	-11.8	-1430.7	-3925.5	-807.2	-2335.8	-609.8	-1568.6	-808.3	-2338.7	-615.8	-1581.6
c3mim-bf4-p2	-34.2	-12.1	-1430.3	-3924.8	-807.0	-2335.4	-609.8	-1568.6	-808.2	-2338.4	-615.5	-1580.9
c3mim-br-p1	-35.3	-18.1	-1020.9	-2774.4	-808.9	-2345.9	-196.3	-408.9	-809.8	-2348.0	-200.1	-419.1
c3mim-br-p2	-25.1	-11.9	-1017.6	-2769.5	-809.3	-2347.7	-196.3	-408.9	-809.7	-2348.8	-199.4	-417.4
c3mim-br-p3	-27.8	-13.7	-1018.6	-2770.6	-809.1	-2347.2	-196.3	-408.9	-809.4	-2348.1	-199.8	-418.1
c3mim-br-p4	-36.3	-18.8	-1021.1	-2775.1	-808.7	-2346.0	-196.3	-408.9	-809.7	-2348.2	-200.2	-419.3
c3mim-cl-p1	-32.9	-10.0	-913.5	-2614.6	-808.8	-2345.7	-91.5	-249.2	-809.6	-2347.4	-96.9	-264.2
c3mim-cl-p2	-25.3	-7.5	-912.2	-2611.7	-809.5	-2348.4	-91.5	-249.2	-809.9	-2349.3	-95.7	-261.5
c3mim-cl-p3	-27.5	-8.3	-912.8	-2612.4	-809.2	-2347.7	-91.5	-249.2	-809.5	-2348.5	-96.3	-262.6
c3mim-cl-p4	-33.2	-10.0	-913.3	-2614.8	-808.6	-2345.6	-91.5	-249.2	-809.3	-2347.5	-97.1	-264.2
c3mim-dca-p1	-58.2	-38.8	-1360.5	-3744.8	-807.1	-2336.3	-528.1	-1375.7	-808.6	-2340.0	-532.7	-1385.2
c3mim-dca-p2	-58.4	-39.1	-1360.9	-3745.2	-807.3	-2336.7	-528.1	-1375.6	-808.9	-2340.5	-532.7	-1384.9
c3mim-dca-p3	-50.7	-32.6	-1357.6	-3741.3	-807.3	-2337.2	-528.0	-1375.6	-808.5	-2340.3	-532.3	-1385.1
c3mim-dca-p4	-60.0	-39.7	-1361.8	-3745.3	-807.2	-2336.4	-528.1	-1375.4	-808.8	-2340.2	-533.0	-1385.5
c3mim-dca-p5	-56.7	-37.7	-1359.3	-3743.2	-806.7	-2335.6	-528.1	-1375.4	-808.2	-2339.4	-532.5	-1384.7
c3mim-dca-p6	-54.9	-36.2	-1358.7	-3742.2	-806.8	-2335.5	-528.3	-1375.5	-808.2	-2339.3	-532.6	-1384.5
c3mim-mes-p1	-51.6	-20.7	-1421.6	-3928.4	-807.7	-2336.9	-591.6	-1562.2	-808.9	-2339.9	-600.4	-1580.2
c3mim-mes-p2	-45.3	-17.7	-1417.9	-3923.9	-806.9	-2335.6	-591.6	-1562.4	-808.0	-2338.4	-599.5	-1578.3
c3mim-ntf2-p1	-74.1	-43.9	-2734.7	-7181.1	-807.2	-2335.9	-1895.9	-4802.8	-808.7	-2339.9	-1904.0	-4819.3
c3mim-ntf2-p2	-52.3	-28.6	-2725.8	-7168.3	-807.3	-2337.4	-1895.3	-4801.7	-808.2	-2339.8	-1902.0	-4815.4
c3mim-ntf2-p3	-43.3	-19.7	-2722.3	-7161.8	-807.0	-2336.4	-1895.7	-4801.7	-807.9	-2339.0	-1902.3	-4815.2
c3mim-ntf2-p4	-62.2	-37.5	-2729.7	-7174.5	-806.8	-2335.3	-1896.3	-4803.6	-808.0	-2338.6	-1902.9	-4817.1
c3mim-pf6-p1	-40.3	-16.1	-1742.7	-4719.4	-806.8	-2335.4	-919.9	-2359.7	-807.7	-2337.9	-926.7	-2373.6
c3mim-pf6-p2	-36.1	-14.0	-1740.8	-4716.6	-806.6	-2334.9	-919.9	-2359.9	-807.4	-2337.2	-926.1	-2372.5

c3mim-tos-p1	-50.5	-19.3	-1967.9	-5350.0	-807.6	-2336.7	-1138.3	-2984.8	-808.8	-2339.8	-1147.2	-3002.7
c3mim-tos-p2	-48.2	-18.8	-1966.1	-5347.8	-806.8	-2335.6	-1138.3	-2984.9	-808.0	-2338.7	-1146.6	-3001.7
c3mpyr-bf4-p1	-35.5	-14.2	-1379.0	-3937.1	-755.2	-2348.7	-609.5	-1567.2	-756.1	-2351.1	-615.1	-1579.5
c3mpyr-bf4-p2	-33.3	-13.3	-1378.4	-3936.2	-755.5	-2349.1	-609.5	-1567.2	-756.4	-2351.5	-614.7	-1578.8
c3mpyr-bf4-p3	-32.3	-13.4	-1377.8	-3935.5	-755.3	-2349.0	-609.5	-1567.2	-756.2	-2351.3	-614.4	-1578.1
c3mpyr-br-p1	-39.2	-24.2	-969.3	-2780.6	-755.7	-2349.8	-196.3	-408.9	-756.3	-2351.2	-199.9	-418.3
c3mpyr-br-p2	-36.6	-22.3	-968.2	-2779.5	-755.7	-2350.2	-196.3	-408.9	-756.3	-2351.6	-199.7	-417.8
c3mpyr-br-p3	-37.1	-22.8	-968.2	-2779.7	-755.7	-2350.0	-196.3	-408.9	-756.2	-2351.4	-199.7	-417.9
c3mpyr-cl-p1	-38.4	-18.6	-862.8	-2622.0	-755.8	-2349.9	-91.5	-249.2	-756.2	-2351.0	-96.3	-262.7
c3mpyr-cl-p2	-36.9	-17.9	-862.2	-2621.4	-755.6	-2350.4	-91.5	-249.2	-756.1	-2351.5	-96.1	-262.1
c3mpyr-cl-p3	-36.8	-17.9	-862.0	-2621.3	-755.7	-2350.1	-91.5	-249.2	-756.2	-2351.1	-96.0	-262.1
c3mpyr-dca-p1	-40.6	-25.3	-1296.0	-3731.2	-755.4	-2349.2	-522.2	-1359.8	-756.3	-2351.5	-526.1	-1367.9
c3mpyr-dca-p2	-43.3	-27.6	-1296.8	-3733.1	-755.3	-2349.1	-522.1	-1360.0	-756.2	-2351.7	-526.1	-1368.1
c3mpyr-dca-p3	-37.9	-24.1	-1293.5	-3731.8	-755.3	-2349.1	-522.3	-1360.6	-756.2	-2351.2	-525.7	-1368.0
c3mpyr-dca-p4	-41.1	-26.4	-1295.7	-3731.9	-755.5	-2349.2	-522.0	-1359.8	-756.5	-2351.7	-525.7	-1367.3
c3mpyr-dca-p5	-43.7	-27.9	-1296.8	-3733.5	-755.4	-2349.3	-522.0	-1359.9	-756.5	-2351.9	-526.0	-1368.0
c3mpyr-mes-p1	-46.3	-18.6	-1366.9	-3939.3	-755.2	-2349.1	-591.8	-1563.9	-756.1	-2351.4	-599.8	-1580.3
c3mpyr-mes-p2	-42.1	-16.5	-1365.7	-3937.6	-755.7	-2349.6	-591.8	-1564.0	-756.6	-2351.9	-599.2	-1579.1
c3mpyr-mes-p3	-41.5	-16.7	-1365.3	-3937.2	-755.4	-2349.8	-591.8	-1563.9	-756.4	-2352.2	-598.7	-1578.4
c3mpyr-ntf2-p1	-52.5	-30.4	-2672.6	-7182.2	-755.5	-2348.8	-1895.0	-4803.0	-756.4	-2351.3	-1901.1	-4815.5
c3mpyr-ntf2-p2	-38.7	-20.3	-2666.9	-7171.8	-755.2	-2348.6	-1894.6	-4801.6	-756.0	-2350.6	-1899.8	-4812.1
c3mpyr-ntf2-p3	-49.9	-28.7	-2671.4	-7180.4	-755.2	-2348.7	-1895.0	-4803.0	-756.0	-2350.9	-1901.0	-4815.2
c3mpyr-ntf2-p4	-50.1	-29.1	-2671.5	-7180.5	-755.3	-2348.8	-1894.9	-4802.8	-756.2	-2351.2	-1900.8	-4814.7
c3mpyr-ntf2-p5	-41.0	-20.9	-2667.3	-7173.1	-755.0	-2348.5	-1894.5	-4801.4	-755.8	-2350.6	-1900.2	-4813.0
c3mpyr-ntf2-p6	-41.2	-20.6	-2667.7	-7173.8	-755.3	-2348.8	-1894.7	-4801.5	-756.1	-2350.8	-1900.6	-4813.5
c3mpyr-pf6-p1	-37.8	-15.7	-1690.4	-4731.3	-755.1	-2348.6	-920.0	-2360.2	-755.8	-2350.5	-926.4	-2373.4
c3mpyr-pf6-p2	-34.9	-14.5	-1689.5	-4729.9	-755.3	-2348.9	-920.1	-2360.3	-756.0	-2350.7	-925.8	-2372.4
c3mpyr-pf6-p3	-34.8	-14.5	-1689.3	-4729.9	-755.2	-2348.8	-920.1	-2360.3	-755.9	-2350.6	-925.8	-2372.3
c3mpyr-tos-p1	-43.0	-15.9	-1911.8	-5359.0	-755.2	-2349.1	-1137.7	-2985.8	-756.1	-2351.4	-1145.7	-3001.7
c3mpyr-tos-p2	-39.1	-14.0	-1910.6	-5357.4	-755.6	-2349.6	-1137.8	-2985.9	-756.5	-2351.9	-1145.0	-3000.5
c4mim-bf4-p1	-35.6	-12.0	-1512.9	-4180.6	-889.0	-2590.4	-609.8	-1568.6	-890.2	-2593.5	-615.9	-1581.8
c4mim-bf4-p2	-34.4	-12.2	-1512.1	-4179.4	-888.8	-2589.9	-609.8	-1568.6	-889.9	-2592.9	-615.5	-1581.0
c4mim-br-p1	-36.1	-18.7	-1103.1	-3030.4	-890.8	-2601.4	-196.3	-408.9	-891.7	-2603.6	-200.2	-419.3
c4mim-br-p2	-26.0	-12.4	-1099.9	-3025.6	-891.2	-2603.1	-196.3	-408.9	-891.6	-2604.3	-199.5	-417.6
c4mim-br-p3	-29.1	-14.6	-1101.0	-3026.9	-890.9	-2602.6	-196.3	-408.9	-891.3	-2603.6	-199.9	-418.4
c4mim-br-p4	-36.9	-19.2	-1103.1	-3030.7	-890.5	-2601.2	-196.3	-408.9	-891.4	-2603.5	-200.2	-419.4
c4mim-cl-p1	-33.6	-10.4	-995.6	-2870.5	-890.6	-2601.2	-91.5	-249.2	-891.4	-2603.0	-96.9	-264.3
c4mim-cl-p2	-26.0	-7.8	-994.4	-2867.6	-891.4	-2603.9	-91.5	-249.2	-891.8	-2604.8	-95.8	-261.7
c4mim-cl-p3	-28.5	-8.8	-995.1	-2868.4	-891.1	-2603.1	-91.5	-249.2	-891.4	-2603.9	-96.5	-262.9

c4mim-cl-p4	-33.6	-10.2	-995.2	-2870.3	-890.3	-2600.9	-91.5	-249.2	-891.1	-2602.8	-97.2	-264.3
c4mim-dca-p1	-59.0	-39.3	-1442.7	-3999.9	-888.9	-2590.9	-528.1	-1375.8	-890.5	-2594.8	-532.7	-1385.3
c4mim-dca-p2	-61.6	-40.6	-1444.3	-4001.0	-889.1	-2591.0	-528.1	-1375.5	-890.8	-2595.0	-533.2	-1385.8
c4mim-dca-p3	-57.0	-37.9	-1441.2	-3998.1	-888.5	-2590.2	-528.0	-1375.5	-890.0	-2594.0	-532.5	-1384.8
c4mim-mes-p1	-52.9	-21.4	-1504.0	-4183.8	-889.6	-2591.5	-591.6	-1562.2	-890.8	-2594.6	-600.6	-1580.4
c4mim-mes-p2	-45.4	-17.8	-1499.7	-4178.5	-888.7	-2590.0	-591.6	-1562.4	-889.8	-2592.9	-599.5	-1578.3
c4mim-pf6-p1	-43.1	-15.8	-1826.1	-4976.2	-888.9	-2590.5	-919.9	-2359.8	-890.0	-2593.2	-927.7	-2375.6
c4mim-pf6-p2	-36.2	-14.0	-1822.5	-4971.2	-888.4	-2589.4	-919.9	-2359.9	-889.2	-2591.8	-926.2	-2372.6
c4mim-tos-p1	-52.6	-20.6	-2050.8	-5605.9	-889.5	-2591.5	-1138.3	-2984.8	-890.8	-2594.7	-1147.4	-3003.1
c4mim-tos-p2	-48.4	-19.4	-2048.7	-5602.9	-889.2	-2590.9	-1138.3	-2984.8	-890.5	-2594.1	-1146.5	-3001.2
c4mpyr-bf4-p1	-35.6	-14.3	-1460.8	-4192.4	-837.0	-2603.9	-609.5	-1567.2	-837.9	-2606.3	-615.1	-1579.6
c4mpyr-bf4-p2	-33.5	-13.4	-1460.2	-4191.5	-837.2	-2604.3	-609.5	-1567.2	-838.2	-2606.7	-614.7	-1578.8
c4mpyr-bf4-p3	-32.5	-13.5	-1459.8	-4190.9	-837.1	-2604.3	-609.5	-1567.2	-838.1	-2606.6	-614.4	-1578.2
c4mpyr-br-p1	-39.5	-24.3	-1051.2	-3036.0	-837.5	-2605.0	-196.3	-408.9	-838.1	-2606.4	-199.9	-418.4
c4mpyr-br-p2	-36.7	-22.5	-1050.0	-3034.8	-837.5	-2605.4	-196.3	-408.9	-838.1	-2606.8	-199.7	-417.8
c4mpyr-br-p3	-37.3	-22.9	-1050.1	-3035.1	-837.5	-2605.2	-196.3	-408.9	-838.1	-2606.6	-199.7	-417.9
c4mpyr-cl-p1	-38.5	-18.6	-944.6	-2877.2	-837.5	-2605.0	-91.5	-249.2	-838.0	-2606.1	-96.3	-262.7
c4mpyr-cl-p2	-37.7	-18.3	-944.3	-2877.3	-837.4	-2605.6	-91.5	-249.2	-837.9	-2606.8	-96.2	-262.4
c4mpyr-cl-p3	-36.8	-17.9	-943.8	-2876.5	-837.5	-2605.3	-91.5	-249.2	-838.0	-2606.3	-96.0	-262.1
c4mpyr-dca-p1	-41.2	-26.6	-1377.2	-3987.2	-837.1	-2604.0	-522.1	-1360.1	-838.2	-2606.7	-525.6	-1367.2
c4mpyr-dca-p2	-43.5	-27.6	-1378.6	-3988.4	-837.1	-2604.4	-522.1	-1360.0	-838.1	-2607.0	-526.1	-1368.2
c4mpyr-dca-p3	-41.3	-25.7	-1378.0	-3986.7	-837.2	-2604.3	-522.1	-1359.8	-838.1	-2606.6	-526.2	-1368.1
c4mpyr-dca-p4	-42.7	-27.7	-1378.0	-3988.1	-837.1	-2604.3	-522.1	-1359.9	-838.1	-2606.8	-525.9	-1367.6
c4mpyr-dca-p5	-43.8	-28.1	-1378.7	-3988.8	-837.2	-2604.4	-522.1	-1359.9	-838.3	-2607.1	-526.0	-1368.0
c4mpyr-mes-p1	-46.4	-18.7	-1448.7	-4194.6	-837.0	-2604.2	-591.8	-1563.9	-837.9	-2606.6	-599.8	-1580.3
c4mpyr-mes-p2	-42.6	-16.8	-1447.6	-4193.1	-837.5	-2604.8	-591.8	-1564.0	-838.4	-2607.2	-599.2	-1579.2
c4mpyr-mes-p3	-41.8	-16.9	-1447.2	-4192.5	-837.3	-2605.0	-591.8	-1563.9	-838.3	-2607.4	-598.7	-1578.4
c4mpyr-ntf2-p1	-52.6	-30.6	-2754.4	-7437.2	-837.2	-2604.0	-1895.0	-4802.9	-838.2	-2606.4	-1901.1	-4815.4
c4mpyr-ntf2-p2	-43.8	-22.8	-2750.5	-7429.6	-837.0	-2603.6	-1894.5	-4801.2	-837.8	-2605.8	-1900.5	-4813.3
c4mpyr-ntf2-p3	-51.1	-29.5	-2753.8	-7436.4	-837.0	-2604.0	-1895.0	-4803.0	-837.8	-2606.3	-1901.1	-4815.5
c4mpyr-ntf2-p4	-51.1	-29.8	-2753.7	-7436.3	-837.1	-2604.0	-1894.9	-4802.9	-838.0	-2606.4	-1900.9	-4815.0
c4mpyr-ntf2-p5	-41.4	-21.4	-2749.3	-7428.5	-836.8	-2603.7	-1894.5	-4801.4	-837.5	-2605.7	-1900.2	-4812.9
c4mpyr-ntf2-p6	-42.4	-21.5	-2750.0	-7429.5	-837.2	-2604.0	-1894.6	-4801.4	-837.9	-2606.0	-1900.6	-4813.5
c4mpyr-pf6-p1	-37.9	-15.8	-1772.3	-4986.6	-836.9	-2603.7	-920.1	-2360.2	-837.7	-2605.6	-926.4	-2373.4
c4mpyr-pf6-p2	-35.2	-14.7	-1771.4	-4985.3	-837.1	-2604.1	-920.1	-2360.3	-837.9	-2606.0	-925.8	-2372.4
c4mpyr-pf6-p3	-35.0	-14.6	-1771.2	-4985.3	-837.1	-2604.0	-920.1	-2360.3	-837.8	-2605.8	-925.9	-2372.4
c4mpyr-tos-p1	-43.3	-16.1	-1993.9	-5614.5	-837.0	-2604.3	-1137.8	-2985.9	-838.0	-2606.6	-1145.8	-3001.9
c4mpyr-tos-p2	-39.7	-14.3	-1992.7	-5613.1	-837.5	-2604.8	-1137.9	-2986.0	-838.4	-2607.1	-1145.2	-3000.8

2.2.2 KSVP basis set

Table S 3: Raw KSVP energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-34.5	-14.0	-1281.7	-3553.1	-658.6	-1963.2	-609.8	-1568.6	-659.6	-1965.7	-615.2	-1580.3
c1mim-br-p1	-37.6	-21.5	-873.0	-2402.1	-660.4	-1971.9	-196.3	-408.9	-661.3	-1973.8	-199.9	-418.6
c1mim-br-p2	-24.4	-12.7	-868.3	-2393.2	-660.1	-1971.9	-196.3	-408.9	-660.4	-1972.7	-199.1	-416.6
c1mim-cl-p1	-35.1	-13.3	-765.5	-2242.2	-660.3	-1971.6	-91.5	-249.2	-661.0	-1973.2	-96.7	-263.4
c1mim-cl-p2	-26.6	-10.0	-763.7	-2236.4	-660.3	-1972.5	-91.5	-249.2	-660.5	-1973.1	-95.4	-261.0
c1mim-dca-p1	-56.7	-38.1	-1212.1	-3371.4	-659.0	-1964.4	-528.2	-1375.3	-660.4	-1967.7	-532.7	-1384.7
c1mim-dca-p2	-43.7	-29.1	-1206.7	-3364.6	-658.9	-1965.4	-527.9	-1375.3	-659.8	-1967.4	-531.5	-1383.7
c1mim-mes-p1	-45.3	-18.5	-1277.2	-3601.3	-659.1	-1964.1	-598.4	-1611.7	-660.0	-1966.4	-606.2	-1627.4
c1mim-ntf2-p1	-68.6	-42.9	-2583.6	-6805.7	-658.6	-1963.4	-1895.9	-4802.8	-659.8	-1966.4	-1902.9	-4817.2
c1mim-ntf2-p2	-40.3	-23.3	-2572.3	-6787.5	-658.8	-1965.2	-1894.9	-4800.6	-659.4	-1966.7	-1899.6	-4810.9
c1mim-ntf2-p3	-40.8	-20.1	-2572.8	-6788.0	-658.6	-1964.1	-1895.7	-4801.7	-659.5	-1966.3	-1901.4	-4813.6
c1mim-pf6-p1	-38.6	-16.2	-1593.7	-4346.7	-658.6	-1963.3	-919.9	-2359.9	-659.4	-1965.5	-926.3	-2372.9
c1mim-tos-p1	-42.6	-16.6	-1830.9	-5084.9	-658.8	-1963.9	-1153.4	-3097.1	-659.8	-1966.4	-1160.9	-3112.1
c1mpyr-bf4-p1	-36.0	-15.9	-1242.6	-3648.4	-618.2	-2060.0	-609.5	-1567.2	-618.9	-2061.7	-615.0	-1579.4
c1mpyr-bf4-p2	-32.8	-15.1	-1241.4	-3646.6	-618.3	-2060.2	-609.5	-1567.2	-618.9	-2061.6	-614.4	-1578.1
c1mpyr-br-p1	-40.7	-26.4	-833.3	-2492.5	-618.8	-2061.2	-196.3	-408.9	-619.2	-2062.1	-199.8	-418.3
c1mpyr-br-p2	-38.8	-25.3	-832.4	-2491.8	-618.8	-2061.4	-196.3	-408.9	-619.1	-2062.2	-199.7	-417.9
c1mpyr-cl-p1	-40.0	-20.8	-726.9	-2333.9	-618.8	-2061.3	-91.5	-249.2	-619.1	-2061.9	-96.3	-262.6
c1mpyr-cl-p2	-38.9	-20.4	-726.4	-2333.4	-618.8	-2061.4	-91.5	-249.2	-619.1	-2062.0	-96.0	-262.2
c1mpyr-dca-p1	-40.7	-26.8	-1159.8	-3442.0	-618.7	-2060.8	-522.1	-1359.6	-619.3	-2062.3	-525.9	-1367.5
c1mpyr-dca-p2	-45.1	-30.3	-1161.0	-3445.1	-618.5	-2060.5	-522.0	-1359.9	-619.3	-2062.3	-526.0	-1368.2
c1mpyr-dca-p3	-40.5	-27.0	-1157.8	-3443.8	-618.3	-2060.3	-522.1	-1360.3	-618.9	-2061.8	-525.7	-1368.2
c1mpyr-dca-p4	-43.4	-29.3	-1160.0	-3443.9	-618.3	-2060.2	-522.1	-1359.9	-619.0	-2062.0	-525.9	-1367.7
c1mpyr-mes-p1	-44.6	-18.8	-1236.9	-3698.0	-618.2	-2060.4	-598.5	-1613.2	-618.9	-2062.1	-606.2	-1629.0
c1mpyr-mes-p2	-40.0	-17.2	-1235.2	-3695.7	-618.4	-2060.8	-598.5	-1613.2	-619.1	-2062.4	-605.1	-1627.0
c1mpyr-ntf2-p1	-51.8	-31.6	-2535.5	-6892.5	-618.5	-2060.1	-1894.9	-4802.8	-619.2	-2061.7	-1900.8	-4814.8
c1mpyr-ntf2-p2	-40.7	-21.9	-2530.7	-6884.1	-618.3	-2059.8	-1894.6	-4801.5	-618.9	-2061.3	-1900.2	-4812.7
c1mpyr-ntf2-p3	-50.1	-30.8	-2535.0	-6891.1	-618.5	-2060.2	-1894.8	-4802.5	-619.1	-2061.7	-1900.4	-4814.0
c1mpyr-ntf2-p5	-42.0	-22.4	-2531.4	-6884.8	-618.4	-2060.0	-1894.5	-4801.1	-619.0	-2061.4	-1900.3	-4813.0
c1mpyr-pf6-p1	-38.3	-17.2	-1554.0	-4442.7	-618.2	-2060.0	-920.0	-2360.2	-618.8	-2061.2	-926.3	-2373.3
c1mpyr-pf6-p2	-35.6	-16.1	-1553.0	-4441.4	-618.3	-2060.1	-920.1	-2360.3	-618.8	-2061.1	-925.9	-2372.4
c1mpyr-tos-p1	-41.2	-15.9	-1790.1	-5180.4	-618.2	-2060.4	-1152.8	-3097.7	-619.0	-2062.1	-1160.4	-3113.1
c1mpyr-tos-p2	-36.5	-13.9	-1787.8	-5178.0	-618.3	-2060.5	-1152.7	-3097.7	-618.9	-2061.8	-1159.6	-3111.5

c2mim-bf4-p1	-36.7	-14.3	-1371.2	-3844.1	-747.0	-2253.2	-609.8	-1568.6	-748.1	-2255.7	-615.7	-1581.5
c2mim-bf4-p2	-34.1	-13.9	-1369.7	-3842.1	-746.6	-2252.5	-609.8	-1568.6	-747.6	-2254.8	-615.2	-1580.3
c2mim-br-p1	-38.9	-22.0	-961.5	-2692.4	-748.3	-2261.4	-196.3	-408.9	-749.2	-2263.3	-200.1	-419.3
c2mim-br-p2	-28.2	-14.8	-958.8	-2686.5	-748.9	-2263.0	-196.3	-408.9	-749.3	-2264.0	-199.5	-417.7
c2mim-br-p3	-27.9	-14.9	-958.0	-2685.7	-748.3	-2262.3	-196.3	-408.9	-748.6	-2263.1	-199.5	-417.6
c2mim-br-p4	-39.1	-22.7	-961.9	-2693.1	-748.7	-2262.0	-196.3	-408.9	-749.5	-2263.9	-200.0	-418.8
c2mim-cl-p1	-36.6	-13.7	-854.1	-2532.8	-748.3	-2261.3	-91.5	-249.2	-749.0	-2262.9	-97.0	-264.4
c2mim-cl-p2	-29.7	-11.1	-853.8	-2529.4	-749.1	-2263.6	-91.5	-249.2	-749.4	-2264.4	-95.9	-262.2
c2mim-cl-p3	-29.4	-10.9	-853.0	-2528.5	-748.5	-2262.9	-91.5	-249.2	-748.7	-2263.5	-96.1	-262.3
c2mim-cl-p4	-36.2	-14.2	-854.1	-2533.0	-748.5	-2261.7	-91.5	-249.2	-749.2	-2263.3	-96.8	-263.6
c2mim-dca-p1	-59.7	-40.9	-1301.1	-3662.9	-746.9	-2253.6	-528.0	-1375.7	-748.2	-2256.8	-532.7	-1385.4
c2mim-dca-p2	-55.9	-37.8	-1299.9	-3660.3	-747.1	-2253.6	-528.1	-1375.5	-748.3	-2256.6	-532.7	-1384.8
c2mim-dca-p3	-59.9	-40.8	-1301.8	-3662.6	-747.1	-2253.6	-528.3	-1375.5	-748.5	-2256.8	-533.0	-1385.4
c2mim-dca-p4	-56.4	-38.7	-1300.0	-3660.6	-747.0	-2253.7	-528.1	-1375.5	-748.3	-2256.7	-532.5	-1384.4
c2mim-dca-p5	-57.0	-38.4	-1300.3	-3661.0	-746.9	-2253.7	-528.3	-1375.3	-748.3	-2256.9	-532.7	-1384.8
c2mim-dca-p6	-57.2	-38.8	-1300.0	-3661.1	-746.9	-2253.2	-528.3	-1375.4	-748.3	-2256.5	-532.7	-1384.8
c2mim-mes-p1	-51.1	-21.8	-1368.3	-3894.5	-747.6	-2254.1	-598.4	-1611.5	-748.7	-2256.7	-606.9	-1628.7
c2mim-mes-p2	-46.6	-19.2	-1365.5	-3891.3	-746.9	-2253.2	-598.4	-1611.7	-747.9	-2255.6	-606.3	-1627.8
c2mim-ntf2-p1	-75.0	-46.4	-2674.9	-7099.2	-747.1	-2253.4	-1895.8	-4802.7	-748.4	-2256.5	-1903.8	-4818.9
c2mim-ntf2-p2	-51.7	-29.7	-2665.6	-7085.0	-747.1	-2254.8	-1895.3	-4801.7	-747.9	-2256.6	-1901.6	-4814.8
c2mim-ntf2-p3	-44.7	-21.9	-2663.0	-7079.7	-746.9	-2253.8	-1895.7	-4801.6	-747.7	-2255.9	-1902.1	-4815.0
c2mim-ntf2-p4	-64.7	-39.7	-2671.0	-7093.6	-746.9	-2253.1	-1896.4	-4803.6	-748.0	-2256.0	-1903.3	-4817.7
c2mim-pf6-p1	-43.3	-17.6	-1684.0	-4639.1	-746.9	-2253.1	-919.9	-2359.8	-747.8	-2255.4	-927.4	-2375.0
c2mim-pf6-p2	-38.9	-16.6	-1681.7	-4636.1	-746.6	-2252.5	-919.9	-2359.9	-747.4	-2254.6	-926.3	-2372.9
c2mim-tos-p1	-49.8	-20.1	-1922.8	-5378.7	-747.5	-2254.0	-1153.3	-3096.8	-748.6	-2256.7	-1162.0	-3114.1
c2mim-tos-p2	-43.9	-17.2	-1919.6	-5374.7	-746.9	-2253.2	-1153.3	-3097.0	-747.9	-2255.7	-1161.1	-3112.5
c2mpyr-bf4-p1	-36.9	-16.3	-1332.6	-3940.7	-707.8	-2351.8	-609.5	-1567.2	-708.6	-2353.5	-615.1	-1579.7
c2mpyr-bf4-p2	-34.7	-15.4	-1332.1	-3939.9	-708.3	-2352.2	-609.5	-1567.3	-709.0	-2353.9	-614.7	-1579.0
c2mpyr-bf4-p3	-33.8	-15.4	-1331.5	-3939.1	-708.0	-2352.0	-609.5	-1567.2	-708.7	-2353.6	-614.5	-1578.4
c2mpyr-br-p1	-41.7	-27.1	-923.3	-2784.9	-708.4	-2352.9	-196.3	-408.9	-708.9	-2353.9	-199.9	-418.4
c2mpyr-br-p2	-40.7	-26.2	-922.8	-2784.8	-708.3	-2353.4	-196.3	-408.9	-708.8	-2354.5	-199.9	-418.3
c2mpyr-br-p3	-39.8	-25.8	-922.3	-2784.0	-708.3	-2353.0	-196.3	-408.9	-708.8	-2353.9	-199.7	-418.1
c2mpyr-cl-p1	-40.7	-21.1	-816.8	-2626.1	-708.5	-2352.9	-91.5	-249.2	-708.8	-2353.7	-96.4	-262.8
c2mpyr-cl-p2	-39.8	-20.8	-816.2	-2625.8	-708.2	-2353.2	-91.5	-249.2	-708.6	-2354.0	-96.2	-262.4
c2mpyr-cl-p3	-39.3	-20.6	-816.1	-2625.5	-708.4	-2353.1	-91.5	-249.2	-708.8	-2353.8	-96.1	-262.4
c2mpyr-dca-p1	-41.1	-27.0	-1249.5	-3734.0	-708.3	-2352.5	-522.1	-1359.6	-709.0	-2354.1	-525.9	-1367.5
c2mpyr-dca-p2	-45.2	-29.9	-1250.8	-3736.7	-708.0	-2352.2	-522.1	-1360.0	-708.8	-2354.1	-526.3	-1368.5
c2mpyr-dca-p3	-45.8	-30.6	-1250.8	-3737.3	-708.1	-2352.2	-522.0	-1359.9	-708.9	-2354.1	-526.1	-1368.3
c2mpyr-mes-p1	-46.7	-19.7	-1327.2	-3991.1	-707.8	-2352.2	-598.5	-1613.2	-708.6	-2353.9	-606.5	-1629.6

c2mpyr-mes-p2	-42.9	-17.8	-1326.1	-3989.7	-708.4	-2352.6	-598.5	-1613.3	-709.1	-2354.3	-606.0	-1628.6
c2mpyr-mes-p3	-41.9	-18.0	-1325.5	-3988.8	-708.0	-2352.6	-598.5	-1613.2	-708.8	-2354.4	-605.5	-1627.6
c2mpyr-ntf2-p1	-52.7	-32.1	-2625.7	-7184.9	-708.1	-2351.7	-1895.0	-4803.0	-708.9	-2353.5	-1900.9	-4815.1
c2mpyr-ntf2-p2	-42.9	-23.2	-2621.4	-7177.3	-707.9	-2351.6	-1894.7	-4801.7	-708.5	-2353.1	-1900.4	-4813.5
c2mpyr-ntf2-p3	-52.6	-31.3	-2625.5	-7184.7	-708.0	-2351.8	-1895.0	-4802.9	-708.6	-2353.4	-1901.2	-4815.6
c2mpyr-ntf2-p4	-50.9	-31.1	-2624.8	-7183.8	-708.0	-2351.8	-1895.0	-4802.9	-708.7	-2353.4	-1900.7	-4814.7
c2mpyr-ntf2-p5	-43.7	-23.6	-2621.5	-7177.5	-707.7	-2351.6	-1894.6	-4801.5	-708.3	-2353.1	-1900.5	-4813.5
c2mpyr-ntf2-p6	-41.9	-22.5	-2621.1	-7176.9	-708.0	-2351.8	-1894.7	-4801.6	-708.6	-2353.2	-1900.4	-4813.4
c2mpyr-pf6-p1	-38.7	-17.4	-1644.0	-4734.8	-708.0	-2351.9	-920.0	-2360.2	-708.7	-2353.4	-926.2	-2373.2
c2mpyr-pf6-p2	-36.7	-16.4	-1643.3	-4733.9	-708.1	-2351.9	-920.1	-2360.3	-708.7	-2353.3	-926.0	-2372.7
c2mpyr-pf6-p3	-36.3	-16.4	-1642.9	-4733.6	-707.9	-2351.9	-920.1	-2360.3	-708.5	-2353.1	-925.9	-2372.6
c2mpyr-tos-p1	-43.4	-17.0	-1880.4	-5473.5	-707.8	-2352.1	-1152.8	-3097.8	-708.6	-2353.9	-1160.7	-3113.7
c2mpyr-tos-p2	-40.0	-15.3	-1879.4	-5472.2	-708.4	-2352.6	-1152.8	-3097.8	-709.1	-2354.2	-1160.2	-3112.7
c3mim-bf4-p1	-37.8	-14.6	-1458.7	-4133.8	-834.1	-2542.2	-609.8	-1568.6	-835.2	-2544.8	-616.0	-1582.0
c3mim-bf4-p2	-37.0	-14.9	-1458.2	-4133.0	-834.0	-2541.9	-609.8	-1568.6	-835.0	-2544.4	-615.6	-1581.2
c3mim-br-p1	-39.5	-22.3	-1048.8	-2982.5	-835.4	-2551.2	-196.3	-408.9	-836.3	-2553.1	-200.2	-419.4
c3mim-br-p2	-28.7	-15.2	-1045.8	-2976.2	-835.7	-2552.4	-196.3	-408.9	-836.1	-2553.4	-199.6	-417.8
c3mim-br-p3	-31.5	-17.1	-1046.7	-2977.5	-835.4	-2552.1	-196.3	-408.9	-835.8	-2552.9	-199.9	-418.5
c3mim-br-p4	-40.6	-23.1	-1049.2	-2983.3	-835.4	-2551.3	-196.3	-408.9	-836.3	-2553.3	-200.3	-419.6
c3mim-cl-p1	-37.1	-13.9	-941.3	-2822.7	-835.3	-2550.9	-91.5	-249.2	-836.1	-2552.5	-97.0	-264.5
c3mim-cl-p2	-30.0	-11.3	-940.7	-2819.0	-836.0	-2553.0	-91.5	-249.2	-836.3	-2553.8	-96.0	-262.4
c3mim-cl-p3	-31.9	-11.9	-941.1	-2819.6	-835.6	-2552.5	-91.5	-249.2	-835.9	-2553.2	-96.6	-263.3
c3mim-cl-p4	-37.7	-14.1	-941.3	-2823.3	-835.2	-2550.9	-91.5	-249.2	-836.0	-2552.6	-97.3	-264.6
c3mim-dca-p1	-60.8	-41.6	-1388.6	-3952.4	-833.9	-2542.5	-528.1	-1375.7	-835.3	-2545.8	-532.8	-1385.5
c3mim-dca-p2	-61.0	-41.7	-1389.0	-3952.8	-834.2	-2542.9	-528.1	-1375.6	-835.7	-2546.3	-532.9	-1385.2
c3mim-dca-p3	-53.6	-35.7	-1386.1	-3948.8	-834.2	-2543.5	-528.0	-1375.6	-835.3	-2546.0	-532.5	-1385.5
c3mim-dca-p4	-62.8	-42.7	-1390.1	-3953.1	-834.1	-2542.7	-528.1	-1375.4	-835.5	-2546.0	-533.2	-1385.8
c3mim-dca-p5	-59.1	-40.2	-1387.2	-3950.8	-833.6	-2541.9	-528.1	-1375.4	-835.0	-2545.3	-532.6	-1385.0
c3mim-dca-p6	-57.5	-39.0	-1386.7	-3950.0	-833.6	-2541.9	-528.3	-1375.5	-835.0	-2545.2	-532.7	-1384.9
c3mim-mes-p1	-53.9	-23.0	-1456.7	-4185.1	-834.6	-2543.3	-598.4	-1611.6	-835.8	-2546.0	-607.3	-1629.7
c3mim-mes-p2	-47.2	-19.6	-1452.6	-4180.5	-833.8	-2541.9	-598.4	-1611.7	-834.8	-2544.4	-606.4	-1627.9
c3mim-ntf2-p1	-78.5	-48.4	-2763.5	-7390.2	-834.1	-2542.4	-1895.9	-4802.8	-835.6	-2545.8	-1904.2	-4819.8
c3mim-ntf2-p2	-55.9	-32.0	-2754.5	-7376.2	-834.1	-2543.7	-1895.3	-4801.7	-834.9	-2545.6	-1902.2	-4816.0
c3mim-ntf2-p3	-46.8	-22.9	-2750.8	-7369.9	-833.8	-2542.8	-1895.7	-4801.7	-834.7	-2545.0	-1902.4	-4815.6
c3mim-ntf2-p4	-65.9	-41.3	-2758.0	-7383.1	-833.7	-2541.6	-1896.3	-4803.6	-834.8	-2544.5	-1903.1	-4817.4
c3mim-pf6-p1	-43.3	-18.9	-1770.6	-4927.8	-833.7	-2541.7	-919.9	-2359.7	-834.6	-2544.0	-926.8	-2374.0
c3mim-pf6-p2	-38.9	-16.7	-1768.6	-4924.9	-833.5	-2541.3	-919.9	-2359.9	-834.3	-2543.4	-926.3	-2372.9
c3mim-tos-p1	-53.1	-21.8	-2011.3	-5669.7	-834.6	-2543.2	-1153.3	-3096.9	-835.7	-2546.0	-1162.5	-3115.1
c3mim-tos-p2	-50.3	-20.9	-2009.3	-5667.3	-833.9	-2542.0	-1153.4	-3097.0	-835.0	-2544.8	-1161.8	-3114.1

c3mpyr-bf4-p1	-37.5	-16.4	-1419.8	-4230.9	-794.9	-2641.5	-609.5	-1567.2	-795.7	-2643.4	-615.3	-1579.9
c3mpyr-bf4-p2	-35.2	-15.5	-1419.2	-4229.8	-795.2	-2641.8	-609.5	-1567.2	-795.9	-2643.5	-614.8	-1579.2
c3mpyr-bf4-p3	-34.3	-15.6	-1418.6	-4229.1	-794.9	-2641.8	-609.5	-1567.2	-795.7	-2643.4	-614.5	-1578.5
c3mpyr-br-p1	-42.6	-27.6	-1010.7	-3075.1	-795.4	-2642.6	-196.3	-408.9	-795.9	-2643.7	-200.0	-418.6
c3mpyr-br-p2	-40.2	-26.0	-1009.5	-3074.0	-795.4	-2642.7	-196.3	-408.9	-795.8	-2643.7	-199.8	-418.1
c3mpyr-br-p3	-40.5	-26.3	-1009.6	-3074.2	-795.3	-2642.7	-196.3	-408.9	-795.8	-2643.7	-199.8	-418.2
c3mpyr-cl-p1	-41.3	-21.3	-904.0	-2916.2	-795.5	-2642.7	-91.5	-249.2	-795.8	-2643.5	-96.5	-263.0
c3mpyr-cl-p2	-40.1	-20.9	-903.3	-2915.6	-795.3	-2642.9	-91.5	-249.2	-795.6	-2643.7	-96.2	-262.5
c3mpyr-cl-p3	-39.7	-20.7	-903.2	-2915.5	-795.4	-2642.8	-91.5	-249.2	-795.8	-2643.5	-96.1	-262.5
c3mpyr-dca-p1	-42.7	-27.8	-1337.0	-4024.8	-795.1	-2642.0	-522.2	-1359.8	-795.9	-2643.7	-526.2	-1368.2
c3mpyr-dca-p2	-45.3	-29.9	-1337.8	-4026.5	-795.0	-2641.9	-522.1	-1360.0	-795.8	-2643.8	-526.3	-1368.5
c3mpyr-dca-p3	-40.1	-26.5	-1334.4	-4025.4	-795.1	-2641.9	-522.3	-1360.6	-795.8	-2643.5	-525.8	-1368.3
c3mpyr-dca-p4	-43.3	-29.0	-1336.7	-4025.6	-795.2	-2642.0	-522.0	-1359.8	-796.0	-2643.9	-525.8	-1367.6
c3mpyr-dca-p5	-45.8	-30.5	-1337.8	-4027.0	-795.1	-2641.9	-522.0	-1359.9	-795.9	-2643.9	-526.1	-1368.3
c3mpyr-mes-p1	-47.8	-20.2	-1414.6	-4281.6	-794.9	-2641.8	-598.5	-1613.2	-795.7	-2643.7	-606.7	-1629.9
c3mpyr-mes-p2	-43.4	-18.1	-1413.3	-4279.6	-795.4	-2642.2	-598.5	-1613.3	-796.1	-2643.9	-606.1	-1628.7
c3mpyr-mes-p3	-42.9	-18.4	-1412.9	-4279.1	-795.0	-2642.4	-598.5	-1613.2	-795.9	-2644.2	-605.6	-1628.0
c3mpyr-ntf2-p1	-55.4	-33.3	-2713.8	-7476.4	-795.2	-2641.7	-1895.0	-4803.0	-796.0	-2643.5	-1901.3	-4816.0
c3mpyr-ntf2-p2	-41.2	-22.8	-2708.0	-7465.7	-794.9	-2641.5	-1894.6	-4801.6	-795.6	-2642.9	-1900.0	-4812.5
c3mpyr-ntf2-p3	-52.6	-31.5	-2712.6	-7474.4	-794.9	-2641.5	-1895.0	-4803.0	-795.6	-2643.0	-1901.2	-4815.6
c3mpyr-ntf2-p4	-53.0	-32.1	-2712.7	-7474.6	-795.0	-2641.6	-1894.9	-4802.8	-795.7	-2643.3	-1901.0	-4815.2
c3mpyr-ntf2-p5	-43.8	-23.7	-2708.5	-7467.3	-794.7	-2641.3	-1894.5	-4801.4	-795.4	-2642.8	-1900.4	-4813.4
c3mpyr-ntf2-p6	-44.1	-23.4	-2709.0	-7467.9	-795.0	-2641.6	-1894.7	-4801.5	-795.6	-2643.0	-1900.8	-4814.0
c3mpyr-pf6-p1	-40.0	-17.8	-1731.2	-5025.2	-794.8	-2641.4	-920.0	-2360.2	-795.4	-2642.8	-926.5	-2373.8
c3mpyr-pf6-p2	-36.8	-16.5	-1730.2	-5023.5	-795.0	-2641.6	-920.1	-2360.3	-795.6	-2642.9	-926.0	-2372.7
c3mpyr-pf6-p3	-36.9	-16.7	-1730.1	-5023.6	-794.9	-2641.6	-920.1	-2360.3	-795.5	-2642.8	-926.0	-2372.7
c3mpyr-tos-p1	-44.6	-17.6	-1967.8	-5764.0	-794.8	-2641.8	-1152.7	-3097.7	-795.7	-2643.7	-1160.8	-3113.9
c3mpyr-tos-p2	-40.5	-15.6	-1966.5	-5762.1	-795.4	-2642.2	-1152.8	-3097.8	-796.1	-2643.9	-1160.2	-3112.8
c4mim-bf4-p1	-38.4	-14.8	-1545.8	-4423.0	-920.9	-2831.0	-609.8	-1568.6	-922.0	-2833.7	-616.1	-1582.2
c4mim-bf4-p2	-37.2	-15.0	-1545.0	-4421.8	-920.7	-2830.5	-609.8	-1568.6	-921.8	-2833.1	-615.7	-1581.3
c4mim-br-p1	-40.3	-22.8	-1135.9	-3272.4	-922.2	-2840.7	-196.3	-408.9	-923.1	-2842.6	-200.3	-419.6
c4mim-br-p2	-29.7	-15.7	-1133.0	-3266.2	-922.5	-2841.9	-196.3	-408.9	-923.0	-2842.9	-199.6	-418.0
c4mim-br-p3	-32.9	-18.1	-1134.1	-3267.7	-922.2	-2841.5	-196.3	-408.9	-922.6	-2842.4	-200.0	-418.8
c4mim-br-p4	-41.1	-23.4	-1136.0	-3272.9	-922.1	-2840.5	-196.3	-408.9	-923.0	-2842.5	-200.3	-419.7
c4mim-cl-p1	-37.7	-14.3	-1028.3	-3112.6	-922.0	-2840.4	-91.5	-249.2	-922.8	-2842.1	-97.1	-264.7
c4mim-cl-p2	-30.7	-11.6	-1027.7	-3108.9	-922.7	-2842.5	-91.5	-249.2	-923.1	-2843.3	-96.1	-262.6
c4mim-cl-p3	-32.9	-12.4	-1028.3	-3109.7	-922.4	-2842.0	-91.5	-249.2	-922.6	-2842.6	-96.7	-263.6
c4mim-cl-p4	-38.1	-14.4	-1028.1	-3112.8	-921.9	-2840.2	-91.5	-249.2	-922.7	-2841.8	-97.3	-264.7
c4mim-dca-p1	-61.6	-42.1	-1475.7	-4241.7	-920.7	-2831.3	-528.1	-1375.8	-922.2	-2834.6	-532.9	-1385.7

c4mim-dca-p2	-64.4	-43.7	-1477.6	-4242.9	-920.9	-2831.6	-528.1	-1375.5	-922.4	-2834.9	-533.3	-1386.1
c4mim-dca-p3	-59.4	-40.4	-1474.1	-4239.8	-920.3	-2830.6	-528.0	-1375.5	-921.7	-2833.9	-532.7	-1385.1
c4mim-mes-p1	-55.2	-23.7	-1544.0	-4474.7	-921.4	-2832.1	-598.4	-1611.6	-922.6	-2834.8	-607.5	-1630.0
c4mim-mes-p2	-47.3	-19.6	-1539.3	-4469.2	-920.5	-2830.5	-598.4	-1611.8	-921.5	-2833.0	-606.4	-1628.0
c4mim-pf6-p1	-46.3	-18.8	-1859.2	-5218.8	-920.8	-2831.1	-919.9	-2359.8	-921.8	-2833.5	-927.9	-2376.0
c4mim-pf6-p2	-39.0	-16.7	-1855.3	-5213.6	-920.2	-2829.9	-919.9	-2359.9	-921.0	-2832.0	-926.3	-2372.9
c4mim-tos-p1	-55.2	-23.2	-2099.1	-5959.8	-921.4	-2832.1	-1153.3	-3096.9	-922.6	-2835.0	-1162.7	-3115.5
c4mim-tos-p2	-50.9	-21.8	-2097.0	-5956.7	-921.1	-2831.4	-1153.3	-3096.9	-922.3	-2834.2	-1161.7	-3113.6
c4mpyr-bf4-p1	-37.7	-16.4	-1506.5	-4520.0	-881.5	-2930.6	-609.5	-1567.2	-882.4	-2932.4	-615.3	-1580.0
c4mpyr-bf4-p2	-35.4	-15.6	-1505.8	-4519.0	-881.8	-2930.9	-609.5	-1567.2	-882.6	-2932.6	-614.8	-1579.2
c4mpyr-bf4-p3	-34.5	-15.7	-1505.4	-4518.4	-881.7	-2930.9	-609.5	-1567.2	-882.4	-2932.5	-614.6	-1578.6
c4mpyr-br-p1	-42.8	-27.7	-1097.4	-3364.3	-882.1	-2931.7	-196.3	-408.9	-882.6	-2932.7	-200.0	-418.7
c4mpyr-br-p2	-40.4	-26.2	-1096.2	-3363.2	-882.0	-2931.8	-196.3	-408.9	-882.5	-2932.9	-199.8	-418.1
c4mpyr-br-p3	-40.8	-26.4	-1096.4	-3363.4	-882.1	-2931.8	-196.3	-408.9	-882.5	-2932.8	-199.8	-418.3
c4mpyr-cl-p1	-41.3	-21.3	-990.6	-3205.3	-882.1	-2931.7	-91.5	-249.2	-882.5	-2932.5	-96.5	-263.0
c4mpyr-cl-p2	-40.9	-21.3	-990.3	-3205.3	-881.9	-2932.1	-91.5	-249.2	-882.3	-2932.9	-96.3	-262.8
c4mpyr-cl-p3	-39.7	-20.7	-989.9	-3204.5	-882.1	-2931.9	-91.5	-249.2	-882.5	-2932.6	-96.1	-262.5
c4mpyr-dca-p1	-43.5	-29.1	-1423.0	-4315.0	-881.7	-2930.7	-522.1	-1360.1	-882.7	-2932.8	-525.8	-1367.6
c4mpyr-dca-p2	-45.4	-30.0	-1424.5	-4315.7	-881.7	-2931.0	-522.1	-1360.0	-882.5	-2932.9	-526.3	-1368.5
c4mpyr-dca-p3	-43.5	-28.2	-1423.8	-4314.3	-881.7	-2930.9	-522.1	-1359.8	-882.5	-2932.7	-526.3	-1368.4
c4mpyr-dca-p4	-44.6	-29.9	-1423.8	-4315.4	-881.6	-2930.9	-522.1	-1359.9	-882.6	-2932.8	-526.0	-1367.9
c4mpyr-dca-p5	-46.0	-30.7	-1424.5	-4316.2	-881.8	-2931.0	-522.1	-1359.9	-882.6	-2932.9	-526.1	-1368.4
c4mpyr-mes-p1	-47.8	-20.2	-1501.3	-4570.7	-881.5	-2930.9	-598.5	-1613.2	-882.4	-2932.7	-606.8	-1629.9
c4mpyr-mes-p2	-43.8	-18.4	-1500.1	-4569.0	-882.1	-2931.4	-598.5	-1613.3	-882.8	-2933.1	-606.1	-1628.8
c4mpyr-mes-p3	-43.1	-18.5	-1499.7	-4568.4	-881.7	-2931.5	-598.5	-1613.2	-882.6	-2933.3	-605.7	-1628.0
c4mpyr-ntf2-p1	-55.5	-33.5	-2800.5	-7765.3	-881.8	-2930.7	-1895.0	-4802.9	-882.7	-2932.6	-1901.3	-4815.8
c4mpyr-ntf2-p2	-47.0	-25.8	-2796.7	-7758.0	-881.6	-2930.4	-1894.5	-4801.2	-882.3	-2932.0	-1900.8	-4813.8
c4mpyr-ntf2-p3	-53.8	-32.2	-2799.9	-7764.2	-881.6	-2930.7	-1895.0	-4803.0	-882.3	-2932.4	-1901.3	-4815.9
c4mpyr-ntf2-p4	-54.0	-32.9	-2799.9	-7764.3	-881.7	-2930.7	-1894.9	-4802.9	-882.4	-2932.4	-1901.1	-4815.4
c4mpyr-ntf2-p5	-44.3	-24.1	-2795.3	-7756.6	-881.4	-2930.4	-1894.5	-4801.4	-882.0	-2931.9	-1900.4	-4813.4
c4mpyr-ntf2-p6	-45.3	-24.3	-2796.2	-7757.5	-881.7	-2930.7	-1894.6	-4801.4	-882.4	-2932.1	-1900.8	-4814.0
c4mpyr-pf6-p1	-40.0	-17.9	-1817.9	-5314.4	-881.5	-2930.5	-920.1	-2360.2	-882.1	-2931.9	-926.6	-2373.8
c4mpyr-pf6-p2	-37.1	-16.7	-1817.0	-5312.9	-881.7	-2930.7	-920.1	-2360.3	-882.3	-2932.1	-926.0	-2372.8
c4mpyr-pf6-p3	-37.1	-16.8	-1816.8	-5312.9	-881.6	-2930.7	-920.1	-2360.3	-882.2	-2932.0	-926.0	-2372.8
c4mpyr-tos-p1	-44.9	-17.8	-2054.7	-6053.4	-881.6	-2931.0	-1152.8	-3097.8	-882.4	-2932.8	-1160.9	-3114.1
c4mpyr-tos-p2	-41.1	-16.0	-2053.5	-6051.8	-882.1	-2931.3	-1152.9	-3097.9	-882.8	-2933.0	-1160.4	-3113.0

2.2.3 KTZVP basis set

Table S 4: Raw KTZVP energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-33.4	-24.0	-1570.5	-4522.9	-775.6	-2356.2	-780.1	-2148.2	-776.2	-2358.3	-782.0	-2152.9
c1mim-br-p1	-45.5	-36.6	-1025.0	-2901.4	-777.7	-2364.6	-226.1	-512.7	-778.0	-2365.6	-227.8	-518.5
c1mim-br-p2	-27.2	-21.3	-1017.4	-2890.8	-777.4	-2364.8	-226.1	-512.7	-777.5	-2365.2	-227.2	-517.0
c1mim-cl-p1	-40.6	-29.8	-925.0	-2768.3	-777.5	-2364.2	-129.1	-381.9	-777.7	-2365.1	-131.4	-389.3
c1mim-cl-p2	-27.9	-20.0	-920.7	-2761.2	-777.6	-2365.4	-129.1	-381.9	-777.7	-2365.8	-130.7	-387.7
c1mim-dca-p1	-61.7	-53.3	-1427.4	-4095.5	-776.1	-2357.5	-622.7	-1705.0	-776.7	-2359.6	-624.3	-1709.0
c1mim-dca-p2	-43.2	-37.6	-1419.6	-4085.9	-776.2	-2358.7	-622.4	-1705.0	-776.5	-2359.8	-623.5	-1708.1
c1mim-mes-p1	-46.7	-33.7	-1543.7	-4467.5	-776.1	-2357.0	-745.4	-2086.0	-776.6	-2359.0	-748.8	-2093.1
c1mim-ntf2-p1	-72.7	-59.0	-3181.8	-8766.2	-775.7	-2356.3	-2373.4	-6369.9	-776.4	-2359.3	-2376.3	-6376.9
c1mim-ntf2-p2	-38.1	-30.4	-3167.3	-8745.8	-776.0	-2358.2	-2372.6	-6368.2	-776.3	-2359.4	-2374.4	-6372.7
c1mim-ntf2-p3	-41.8	-31.8	-3169.5	-8747.5	-775.7	-2357.1	-2373.4	-6369.0	-776.3	-2359.3	-2375.5	-6374.2
c1mim-pf6-p1	-36.4	-25.7	-1979.0	-5619.3	-775.6	-2356.3	-1187.2	-3242.8	-776.1	-2358.2	-1189.8	-3248.4
c1mim-tos-p1	-44.0	-31.6	-2188.1	-6256.9	-775.8	-2356.8	-1391.3	-3877.2	-776.4	-2358.9	-1394.3	-3883.8
c1mpyr-bf4-p1	-32.1	-24.0	-1526.4	-4601.8	-731.6	-2438.1	-779.7	-2146.6	-732.0	-2439.6	-781.6	-2151.0
c1mpyr-bf4-p2	-28.9	-22.1	-1525.1	-4600.3	-731.8	-2438.4	-779.7	-2146.6	-732.1	-2439.5	-781.3	-2150.4
c1mpyr-br-p1	-44.7	-37.4	-979.6	-2975.5	-732.3	-2439.3	-226.1	-512.7	-732.5	-2439.9	-227.6	-517.7
c1mpyr-br-p2	-42.0	-35.4	-978.3	-2974.4	-732.3	-2439.6	-226.1	-512.7	-732.4	-2440.1	-227.4	-517.3
c1mpyr-cl-p1	-42.1	-33.0	-880.9	-2843.9	-732.4	-2439.4	-129.1	-381.9	-732.5	-2439.9	-131.2	-388.3
c1mpyr-cl-p2	-40.4	-31.8	-880.1	-2843.2	-732.3	-2439.6	-129.1	-381.9	-732.4	-2440.0	-131.0	-388.0
c1mpyr-dca-p1	-41.7	-35.5	-1369.4	-4150.4	-732.2	-2439.0	-616.7	-1690.2	-732.5	-2440.2	-618.1	-1693.4
c1mpyr-dca-p2	-45.2	-39.0	-1370.4	-4152.6	-732.0	-2438.6	-616.7	-1690.5	-732.3	-2439.9	-618.1	-1693.7
c1mpyr-dca-p3	-42.6	-36.7	-1367.6	-4152.8	-731.7	-2438.4	-616.6	-1691.0	-732.1	-2439.8	-617.7	-1694.0
c1mpyr-dca-p4	-43.9	-37.6	-1369.5	-4151.8	-731.7	-2438.4	-616.7	-1690.5	-732.1	-2439.8	-618.1	-1693.7
c1mpyr-mes-p1	-41.2	-30.0	-1497.5	-4546.6	-731.6	-2438.5	-745.5	-2087.3	-732.0	-2440.0	-748.5	-2093.6
c1mpyr-mes-p2	-35.3	-26.1	-1495.1	-4543.7	-731.9	-2439.0	-745.5	-2087.2	-732.1	-2440.1	-747.9	-2092.6
c1mpyr-ntf2-p1	-48.9	-39.7	-3126.0	-8834.0	-732.0	-2438.3	-2371.8	-6369.1	-732.4	-2440.0	-2373.9	-6374.1
c1mpyr-ntf2-p2	-36.3	-28.6	-3120.9	-8825.2	-731.7	-2438.0	-2371.8	-6368.2	-732.1	-2439.6	-2373.5	-6372.3
c1mpyr-ntf2-p3	-46.9	-38.4	-3125.3	-8832.5	-732.0	-2438.4	-2371.7	-6368.8	-732.3	-2439.9	-2373.7	-6373.6
c1mpyr-ntf2-p5	-37.4	-29.6	-3121.6	-8825.6	-731.9	-2438.2	-2371.7	-6367.9	-732.3	-2439.8	-2373.4	-6372.1
c1mpyr-pf6-p1	-32.3	-23.8	-1934.0	-5698.5	-731.6	-2438.1	-1187.3	-3243.1	-731.9	-2439.4	-1189.5	-3247.9
c1mpyr-pf6-p2	-29.2	-21.9	-1932.7	-5697.1	-731.8	-2438.3	-1187.4	-3243.3	-732.0	-2439.2	-1189.3	-3247.4
c1mpyr-tos-p1	-38.2	-27.5	-2141.7	-6335.4	-731.7	-2438.5	-1390.7	-3878.0	-732.0	-2440.1	-1393.5	-3884.0
c1mpyr-tos-p2	-32.9	-23.6	-2139.1	-6333.0	-731.8	-2438.7	-1390.7	-3878.0	-732.1	-2439.9	-1393.2	-3883.3

c2mim-bf4-p1	-35.3	-25.2	-1675.2	-4865.0	-879.3	-2697.5	-780.1	-2148.1	-879.9	-2699.7	-782.2	-2153.2
c2mim-bf4-p2	-33.0	-23.6	-1673.7	-4863.4	-878.9	-2696.9	-780.1	-2148.2	-879.5	-2699.1	-782.0	-2152.9
c2mim-br-p1	-46.5	-37.4	-1128.6	-3242.9	-880.8	-2705.4	-226.1	-512.7	-881.1	-2706.4	-227.9	-518.6
c2mim-br-p2	-31.0	-24.3	-1123.5	-3235.4	-881.7	-2707.4	-226.1	-512.7	-881.8	-2707.9	-227.4	-517.4
c2mim-br-p3	-31.9	-24.9	-1123.0	-3235.2	-881.0	-2706.6	-226.1	-512.7	-881.2	-2707.2	-227.5	-517.5
c2mim-br-p4	-47.0	-37.9	-1129.4	-3244.1	-881.4	-2706.4	-226.1	-512.7	-881.7	-2707.4	-227.9	-518.6
c2mim-cl-p1	-41.8	-30.6	-1028.8	-3110.0	-880.7	-2705.3	-129.1	-381.9	-881.0	-2706.1	-131.5	-389.5
c2mim-cl-p2	-30.6	-21.9	-1026.2	-3105.3	-881.9	-2708.0	-129.1	-381.9	-882.1	-2708.5	-130.9	-388.2
c2mim-cl-p3	-31.5	-22.5	-1025.8	-3105.1	-881.2	-2707.2	-129.1	-381.9	-881.4	-2707.7	-131.0	-388.4
c2mim-cl-p4	-41.7	-30.7	-1029.1	-3110.7	-881.2	-2706.0	-129.1	-381.9	-881.4	-2706.8	-131.5	-389.4
c2mim-dca-p1	-63.6	-54.7	-1531.2	-4437.6	-879.2	-2697.9	-622.6	-1705.4	-879.9	-2700.2	-624.3	-1709.7
c2mim-dca-p2	-59.4	-51.1	-1529.8	-4434.8	-879.4	-2697.9	-622.6	-1705.2	-880.0	-2700.0	-624.2	-1709.2
c2mim-dca-p3	-63.7	-54.8	-1532.2	-4437.7	-879.8	-2698.4	-622.8	-1705.2	-880.4	-2700.7	-624.4	-1709.5
c2mim-dca-p4	-60.5	-52.2	-1530.1	-4435.5	-879.3	-2698.0	-622.6	-1705.2	-879.9	-2700.1	-624.2	-1709.1
c2mim-dca-p5	-62.0	-53.4	-1530.8	-4436.4	-879.3	-2698.1	-622.7	-1705.0	-879.9	-2700.4	-624.3	-1709.1
c2mim-dca-p6	-62.5	-53.9	-1530.5	-4436.6	-879.2	-2697.7	-622.7	-1705.1	-879.8	-2699.9	-624.3	-1709.2
c2mim-mes-p1	-52.0	-38.1	-1650.1	-4811.7	-880.0	-2698.6	-745.4	-2085.8	-880.6	-2700.8	-748.9	-2093.5
c2mim-mes-p2	-47.5	-34.1	-1647.1	-4808.7	-879.3	-2697.6	-745.5	-2086.0	-879.8	-2699.7	-748.9	-2093.3
c2mim-ntf2-p1	-79.4	-63.9	-3288.5	-9111.1	-879.4	-2697.6	-2373.4	-6369.9	-880.2	-2700.9	-2376.7	-6377.8
c2mim-ntf2-p2	-49.0	-38.9	-3275.9	-9094.1	-879.6	-2699.3	-2373.0	-6369.1	-880.1	-2701.1	-2375.2	-6374.8
c2mim-ntf2-p3	-44.7	-34.1	-3274.5	-9089.9	-879.2	-2698.1	-2373.4	-6369.0	-879.8	-2700.4	-2375.6	-6374.5
c2mim-ntf2-p4	-69.2	-55.6	-3284.3	-9105.6	-879.3	-2697.7	-2373.6	-6370.2	-880.1	-2700.7	-2376.5	-6377.1
c2mim-pf6-p1	-40.3	-28.4	-2084.4	-5962.4	-879.2	-2697.4	-1187.2	-3242.8	-879.7	-2699.5	-1190.1	-3249.1
c2mim-pf6-p2	-36.8	-26.0	-2082.3	-5960.2	-878.8	-2696.8	-1187.2	-3242.8	-879.4	-2698.8	-1189.9	-3248.5
c2mim-tos-p1	-51.1	-37.3	-2295.5	-6602.0	-879.9	-2698.4	-1391.2	-3877.0	-880.5	-2700.8	-1394.6	-3884.4
c2mim-tos-p2	-45.3	-32.4	-2292.2	-6598.5	-879.2	-2697.7	-1391.2	-3877.1	-879.9	-2699.9	-1394.4	-3884.0
c2mpyr-bf4-p1	-33.0	-24.5	-1632.0	-4946.4	-836.9	-2782.1	-779.7	-2146.6	-837.3	-2783.8	-781.6	-2151.2
c2mpyr-bf4-p2	-30.6	-23.0	-1631.5	-4945.7	-837.4	-2782.7	-779.7	-2146.7	-837.7	-2784.1	-781.5	-2150.9
c2mpyr-bf4-p3	-30.0	-22.7	-1630.8	-4945.0	-837.0	-2782.5	-779.7	-2146.6	-837.4	-2783.7	-781.4	-2150.7
c2mpyr-br-p1	-46.0	-38.3	-1085.3	-3320.2	-837.6	-2783.2	-226.1	-512.7	-837.7	-2783.9	-227.7	-517.9
c2mpyr-br-p2	-43.8	-36.6	-1084.3	-3319.6	-837.5	-2783.8	-226.1	-512.7	-837.7	-2784.4	-227.6	-517.6
c2mpyr-br-p3	-43.2	-36.2	-1083.9	-3318.9	-837.5	-2783.4	-226.1	-512.7	-837.6	-2784.0	-227.5	-517.5
c2mpyr-cl-p1	-43.0	-33.5	-986.5	-3188.4	-837.6	-2783.3	-129.1	-381.9	-837.8	-2783.8	-131.2	-388.5
c2mpyr-cl-p2	-41.4	-32.3	-985.6	-3187.8	-837.4	-2783.6	-129.1	-381.9	-837.5	-2784.0	-131.2	-388.3
c2mpyr-cl-p3	-41.0	-32.2	-985.5	-3187.5	-837.6	-2783.5	-129.1	-381.9	-837.7	-2783.9	-131.1	-388.1
c2mpyr-dca-p1	-42.0	-35.7	-1474.7	-4494.6	-837.4	-2782.9	-616.8	-1690.2	-837.7	-2784.2	-618.1	-1693.5
c2mpyr-dca-p2	-45.3	-38.7	-1475.7	-4496.5	-837.0	-2782.5	-616.8	-1690.6	-837.4	-2783.9	-618.3	-1694.0
c2mpyr-dca-p3	-45.7	-39.4	-1475.7	-4496.9	-837.1	-2782.6	-616.7	-1690.5	-837.5	-2783.9	-618.1	-1693.8
c2mpyr-mes-p1	-43.1	-31.1	-1603.4	-4891.8	-836.9	-2782.5	-745.5	-2087.3	-837.3	-2784.1	-748.6	-2094.0

c2mpyr-mes-p2	-39.4	-28.5	-1602.4	-4890.5	-837.6	-2783.1	-745.5	-2087.4	-837.9	-2784.5	-748.4	-2093.6
c2mpyr-mes-p3	-37.5	-27.4	-1601.2	-4889.1	-837.1	-2783.0	-745.5	-2087.3	-837.5	-2784.3	-748.2	-2093.1
c2mpyr-ntf2-p1	-50.2	-40.5	-3232.1	-9178.7	-837.3	-2782.2	-2371.9	-6369.2	-837.8	-2784.1	-2374.1	-6374.3
c2mpyr-ntf2-p2	-38.8	-30.5	-3227.3	-9170.7	-836.9	-2782.0	-2371.9	-6368.4	-837.3	-2783.7	-2373.7	-6372.8
c2mpyr-ntf2-p3	-49.1	-39.6	-3231.4	-9177.8	-837.1	-2782.2	-2371.8	-6369.1	-837.5	-2783.9	-2374.0	-6374.2
c2mpyr-ntf2-p4	-47.6	-38.7	-3230.7	-9177.1	-837.0	-2782.2	-2371.9	-6369.1	-837.5	-2783.8	-2373.9	-6374.0
c2mpyr-ntf2-p5	-40.3	-31.8	-3227.7	-9171.2	-836.8	-2781.9	-2371.8	-6368.2	-837.2	-2783.7	-2373.6	-6372.7
c2mpyr-ntf2-p6	-37.7	-29.8	-3227.1	-9170.2	-837.1	-2782.2	-2371.9	-6368.3	-837.6	-2783.9	-2373.6	-6372.4
c2mpyr-pf6-p1	-33.0	-24.1	-2039.7	-6043.2	-837.1	-2782.3	-1187.3	-3243.2	-837.4	-2783.7	-1189.6	-3248.1
c2mpyr-pf6-p2	-30.9	-22.8	-2038.9	-6042.2	-837.2	-2782.4	-1187.4	-3243.2	-837.5	-2783.6	-1189.5	-3247.8
c2mpyr-pf6-p3	-30.1	-22.4	-2038.3	-6041.6	-837.0	-2782.3	-1187.4	-3243.2	-837.3	-2783.3	-1189.4	-3247.6
c2mpyr-tos-p1	-40.2	-28.8	-2247.7	-6680.6	-836.9	-2782.4	-1390.7	-3878.0	-837.3	-2784.2	-1393.7	-3884.4
c2mpyr-tos-p2	-36.8	-26.3	-2246.6	-6679.5	-837.5	-2783.0	-1390.7	-3878.1	-837.9	-2784.5	-1393.5	-3883.9
c3mim-bf4-p1	-36.3	-25.8	-1778.0	-5205.8	-981.6	-3037.7	-780.1	-2148.2	-982.3	-3040.1	-782.3	-2153.4
c3mim-bf4-p2	-35.6	-25.3	-1777.6	-5205.4	-981.6	-3037.5	-780.1	-2148.2	-982.3	-3040.0	-782.2	-2153.2
c3mim-br-p1	-47.3	-37.9	-1231.3	-3584.2	-983.1	-3046.3	-226.1	-512.7	-983.5	-3047.3	-228.0	-518.8
c3mim-br-p2	-31.6	-24.6	-1225.8	-3576.3	-983.8	-3048.0	-226.1	-512.7	-983.9	-3048.5	-227.4	-517.5
c3mim-br-p3	-36.3	-28.4	-1227.5	-3578.5	-983.4	-3047.5	-226.1	-512.7	-983.6	-3048.2	-227.7	-518.0
c3mim-br-p4	-49.0	-39.0	-1232.2	-3585.6	-983.3	-3046.7	-226.1	-512.7	-983.7	-3047.9	-228.1	-519.1
c3mim-cl-p1	-42.3	-30.9	-1131.3	-3451.0	-983.0	-3046.1	-129.1	-381.9	-983.3	-3046.9	-131.6	-389.7
c3mim-cl-p2	-30.8	-22.0	-1128.3	-3446.1	-984.0	-3048.6	-129.1	-381.9	-984.2	-3049.1	-130.9	-388.3
c3mim-cl-p3	-34.8	-24.9	-1129.7	-3447.7	-983.6	-3048.0	-129.1	-381.9	-983.8	-3048.5	-131.3	-388.9
c3mim-cl-p4	-43.2	-31.3	-1131.7	-3452.0	-983.1	-3046.3	-129.1	-381.9	-983.4	-3047.3	-131.6	-389.9
c3mim-dca-p1	-64.7	-55.6	-1633.9	-4778.2	-981.5	-3038.0	-622.6	-1705.5	-982.2	-3040.3	-624.3	-1709.8
c3mim-dca-p2	-65.8	-56.6	-1634.8	-4779.4	-981.9	-3038.6	-622.6	-1705.3	-982.6	-3041.1	-624.3	-1709.6
c3mim-dca-p3	-54.4	-46.9	-1630.2	-4773.2	-981.9	-3039.3	-622.4	-1705.3	-982.4	-3041.1	-623.9	-1709.1
c3mim-dca-p4	-67.1	-57.6	-1635.5	-4779.2	-981.6	-3038.1	-622.7	-1705.1	-982.3	-3040.7	-624.4	-1709.7
c3mim-dca-p5	-64.0	-55.0	-1632.9	-4777.3	-981.1	-3037.4	-622.5	-1705.1	-981.8	-3039.8	-624.2	-1709.4
c3mim-dca-p6	-62.7	-54.0	-1632.5	-4776.6	-981.2	-3037.4	-622.7	-1705.2	-981.8	-3039.7	-624.4	-1709.3
c3mim-mes-p1	-54.7	-39.9	-1753.9	-5153.6	-982.4	-3039.0	-745.4	-2085.9	-983.1	-3041.4	-749.1	-2093.9
c3mim-mes-p2	-48.1	-34.5	-1749.4	-5149.0	-981.3	-3037.5	-745.5	-2086.0	-981.9	-3039.6	-748.9	-2093.4
c3mim-ntf2-p1	-83.3	-66.7	-3392.5	-9453.6	-981.6	-3037.8	-2373.4	-6370.0	-982.6	-3041.4	-2376.9	-6378.5
c3mim-ntf2-p2	-53.4	-42.4	-3380.2	-9436.5	-981.9	-3039.3	-2373.0	-6369.1	-982.4	-3041.3	-2375.4	-6375.2
c3mim-ntf2-p3	-46.6	-35.4	-3377.6	-9431.0	-981.4	-3038.3	-2373.4	-6369.0	-982.1	-3040.7	-2375.8	-6374.7
c3mim-ntf2-p4	-70.7	-57.2	-3386.6	-9446.3	-981.2	-3037.1	-2373.6	-6370.3	-982.0	-3040.1	-2376.4	-6377.2
c3mim-pf6-p1	-40.9	-29.6	-2186.6	-6302.8	-981.3	-3037.4	-1187.2	-3242.6	-981.9	-3039.5	-1189.9	-3248.6
c3mim-pf6-p2	-36.9	-26.0	-2184.4	-6300.2	-980.9	-3036.7	-1187.2	-3242.8	-981.4	-3038.6	-1189.9	-3248.6
c3mim-tos-p1	-54.5	-39.8	-2399.5	-6944.3	-982.2	-3038.8	-1391.2	-3877.0	-983.0	-3041.4	-1394.8	-3884.8
c3mim-tos-p2	-51.8	-37.5	-2397.6	-6942.3	-981.8	-3038.0	-1391.3	-3877.1	-982.5	-3040.5	-1394.7	-3884.6

c3mpyr-bf4-p1	-33.6	-24.8	-1734.4	-5287.6	-939.1	-3122.9	-779.7	-2146.6	-939.6	-3124.7	-781.7	-2151.3
c3mpyr-bf4-p2	-30.9	-23.0	-1733.6	-5286.5	-939.5	-3123.3	-779.7	-2146.7	-939.8	-3124.8	-781.5	-2150.9
c3mpyr-bf4-p3	-30.5	-22.9	-1733.2	-5286.1	-939.2	-3123.2	-779.7	-2146.6	-939.6	-3124.5	-781.5	-2150.8
c3mpyr-br-p1	-47.0	-39.1	-1188.0	-3661.6	-939.8	-3124.0	-226.1	-512.7	-940.0	-3124.7	-227.7	-518.1
c3mpyr-br-p2	-43.9	-36.4	-1186.3	-3660.1	-939.6	-3124.1	-226.1	-512.7	-939.8	-3124.8	-227.6	-517.8
c3mpyr-br-p3	-44.2	-36.9	-1186.6	-3660.3	-939.7	-3124.2	-226.1	-512.7	-939.9	-3124.8	-227.6	-517.7
c3mpyr-cl-p1	-43.6	-33.9	-1088.9	-3529.6	-939.8	-3124.1	-129.1	-381.9	-940.0	-3124.7	-131.3	-388.7
c3mpyr-cl-p2	-41.8	-32.5	-1087.9	-3528.8	-939.6	-3124.3	-129.1	-381.9	-939.7	-3124.8	-131.2	-388.4
c3mpyr-cl-p3	-41.5	-32.5	-1087.9	-3528.6	-939.8	-3124.3	-129.1	-381.9	-939.9	-3124.7	-131.1	-388.3
c3mpyr-dca-p1	-43.4	-36.7	-1577.3	-4836.0	-939.4	-3123.3	-616.8	-1690.4	-939.8	-3124.8	-618.2	-1693.8
c3mpyr-dca-p2	-45.4	-38.6	-1577.9	-4837.3	-939.2	-3123.3	-616.8	-1690.5	-939.6	-3124.7	-618.3	-1694.0
c3mpyr-dca-p3	-41.5	-35.7	-1574.8	-4837.4	-939.3	-3123.3	-616.8	-1691.3	-939.7	-3124.8	-617.9	-1694.2
c3mpyr-dca-p4	-44.0	-37.6	-1577.1	-4836.8	-939.5	-3123.4	-616.7	-1690.4	-939.9	-3124.9	-618.0	-1693.6
c3mpyr-dca-p5	-45.8	-39.3	-1577.9	-4837.7	-939.3	-3123.3	-616.7	-1690.5	-939.7	-3124.7	-618.1	-1693.8
c3mpyr-mes-p1	-44.3	-31.8	-1706.1	-5233.3	-939.1	-3123.2	-745.5	-2087.3	-939.6	-3124.9	-748.8	-2094.3
c3mpyr-mes-p2	-39.8	-28.7	-1704.7	-5231.5	-939.8	-3123.8	-745.5	-2087.4	-940.1	-3125.2	-748.5	-2093.7
c3mpyr-mes-p3	-38.6	-28.1	-1703.9	-5230.5	-939.3	-3123.8	-745.5	-2087.3	-939.7	-3125.1	-748.3	-2093.3
c3mpyr-ntf2-p1	-52.3	-42.1	-3335.3	-9520.8	-939.5	-3123.2	-2371.9	-6369.2	-940.0	-3125.2	-2374.1	-6374.5
c3mpyr-ntf2-p2	-38.5	-30.4	-3329.6	-9510.9	-939.2	-3122.9	-2371.8	-6368.2	-939.6	-3124.6	-2373.5	-6372.3
c3mpyr-ntf2-p3	-49.4	-39.8	-3333.8	-9518.8	-939.2	-3122.9	-2371.9	-6369.1	-939.6	-3124.6	-2374.1	-6374.4
c3mpyr-ntf2-p4	-49.8	-40.4	-3334.0	-9519.0	-939.3	-3123.1	-2371.8	-6369.0	-939.7	-3124.8	-2373.9	-6374.1
c3mpyr-ntf2-p5	-40.4	-31.7	-3329.9	-9512.0	-938.9	-3122.7	-2371.7	-6368.1	-939.4	-3124.4	-2373.6	-6372.7
c3mpyr-ntf2-p6	-39.6	-31.1	-3330.1	-9512.0	-939.3	-3123.1	-2371.9	-6368.2	-939.8	-3124.8	-2373.7	-6372.7
c3mpyr-pf6-p1	-34.4	-25.0	-2142.2	-6384.5	-939.0	-3122.8	-1187.3	-3243.2	-939.4	-3124.3	-1189.7	-3248.3
c3mpyr-pf6-p2	-31.0	-22.7	-2141.0	-6382.9	-939.3	-3123.1	-1187.4	-3243.2	-939.6	-3124.3	-1189.5	-3247.8
c3mpyr-pf6-p3	-30.8	-22.8	-2140.8	-6382.8	-939.2	-3123.0	-1187.4	-3243.2	-939.5	-3124.2	-1189.4	-3247.8
c3mpyr-tos-p1	-41.6	-29.6	-2350.4	-7022.3	-939.1	-3123.2	-1390.7	-3878.0	-939.6	-3125.0	-1393.8	-3884.6
c3mpyr-tos-p2	-37.2	-26.5	-2348.9	-7020.5	-939.7	-3123.8	-1390.7	-3878.0	-940.1	-3125.3	-1393.5	-3884.0
c4mim-bf4-p1	-37.0	-26.2	-1880.4	-5546.4	-1083.8	-3377.9	-780.1	-2148.1	-1084.4	-3380.3	-782.3	-2153.5
c4mim-bf4-p2	-35.9	-25.5	-1879.7	-5545.6	-1083.7	-3377.5	-780.1	-2148.2	-1084.3	-3380.0	-782.2	-2153.3
c4mim-br-p1	-48.3	-38.7	-1333.9	-3925.6	-1085.3	-3387.1	-226.1	-512.7	-1085.6	-3388.2	-228.1	-518.9
c4mim-br-p2	-32.6	-25.4	-1328.4	-3917.7	-1086.0	-3388.8	-226.1	-512.7	-1086.1	-3389.4	-227.5	-517.7
c4mim-br-p3	-38.3	-30.0	-1330.6	-3920.4	-1085.6	-3388.3	-226.1	-512.7	-1085.8	-3389.1	-227.8	-518.3
c4mim-br-p4	-49.6	-39.4	-1334.5	-3926.6	-1085.4	-3387.3	-226.1	-512.7	-1085.7	-3388.5	-228.1	-519.2
c4mim-cl-p1	-43.0	-31.4	-1233.7	-3792.2	-1085.1	-3386.9	-129.1	-381.9	-1085.4	-3387.7	-131.6	-389.8
c4mim-cl-p2	-31.5	-22.4	-1230.8	-3787.3	-1086.2	-3389.4	-129.1	-381.9	-1086.3	-3389.9	-131.0	-388.4
c4mim-cl-p3	-36.3	-25.9	-1232.5	-3789.3	-1085.8	-3388.8	-129.1	-381.9	-1085.9	-3389.4	-131.4	-389.2
c4mim-cl-p4	-43.7	-31.7	-1233.9	-3792.9	-1085.2	-3386.9	-129.1	-381.9	-1085.5	-3387.9	-131.7	-390.0
c4mim-dca-p1	-65.5	-56.2	-1736.5	-5118.9	-1083.7	-3378.2	-622.6	-1705.5	-1084.4	-3380.6	-624.4	-1709.9

c4mim-dca-p2	-68.9	-59.0	-1738.5	-5120.4	-1083.8	-3378.4	-622.7	-1705.2	-1084.6	-3381.0	-624.5	-1709.8
c4mim-dca-p3	-64.3	-55.3	-1735.1	-5117.6	-1083.2	-3377.4	-622.5	-1705.2	-1083.8	-3379.8	-624.2	-1709.5
c4mim-mes-p1	-56.0	-40.9	-1856.6	-5494.5	-1084.6	-3379.2	-745.4	-2085.9	-1085.2	-3381.6	-749.2	-2094.1
c4mim-mes-p2	-48.2	-34.6	-1851.5	-5489.0	-1083.4	-3377.4	-745.5	-2086.0	-1083.9	-3379.5	-748.9	-2093.5
c4mim-pf6-p1	-43.4	-30.4	-2290.3	-6644.7	-1083.7	-3377.9	-1187.2	-3242.8	-1084.3	-3380.2	-1190.4	-3249.7
c4mim-pf6-p2	-37.0	-26.0	-2286.5	-6640.2	-1083.0	-3376.7	-1187.2	-3242.8	-1083.5	-3378.6	-1189.9	-3248.6
c4mim-tos-p1	-56.8	-41.6	-2502.7	-7285.8	-1084.4	-3379.0	-1391.2	-3877.1	-1085.2	-3381.7	-1394.9	-3885.1
c4mim-tos-p2	-52.6	-38.5	-2500.7	-7283.2	-1084.4	-3378.7	-1391.2	-3877.1	-1085.1	-3381.3	-1394.6	-3884.5
c4mpyr-bf4-p1	-33.8	-24.8	-1836.5	-5628.2	-1041.2	-3463.4	-779.7	-2146.6	-1041.6	-3465.1	-781.7	-2151.4
c4mpyr-bf4-p2	-31.1	-23.2	-1835.7	-5627.1	-1041.5	-3463.8	-779.7	-2146.7	-1041.9	-3465.2	-781.5	-2151.0
c4mpyr-bf4-p3	-30.8	-23.1	-1835.4	-5626.8	-1041.3	-3463.7	-779.7	-2146.7	-1041.6	-3465.1	-781.5	-2150.9
c4mpyr-br-p1	-47.3	-39.2	-1290.1	-4002.2	-1041.8	-3464.5	-226.1	-512.7	-1042.0	-3465.2	-227.8	-518.1
c4mpyr-br-p2	-44.3	-36.7	-1288.4	-4000.8	-1041.6	-3464.6	-226.1	-512.7	-1041.8	-3465.3	-227.6	-517.8
c4mpyr-br-p3	-44.5	-37.1	-1288.8	-4000.9	-1041.8	-3464.7	-226.1	-512.7	-1041.9	-3465.3	-227.6	-517.7
c4mpyr-cl-p1	-43.6	-33.8	-1190.9	-3870.0	-1041.8	-3464.5	-129.1	-381.9	-1042.0	-3465.1	-131.3	-388.7
c4mpyr-cl-p2	-42.4	-33.0	-1190.2	-3869.7	-1041.7	-3464.9	-129.1	-381.9	-1041.8	-3465.4	-131.2	-388.5
c4mpyr-cl-p3	-41.5	-32.5	-1189.9	-3869.1	-1041.8	-3464.8	-129.1	-381.9	-1041.9	-3465.2	-131.1	-388.3
c4mpyr-dca-p1	-43.8	-37.3	-1678.6	-5177.5	-1041.4	-3463.5	-616.7	-1690.6	-1041.8	-3465.0	-618.1	-1693.9
c4mpyr-dca-p2	-45.4	-38.7	-1680.0	-5177.9	-1041.3	-3463.9	-616.8	-1690.5	-1041.7	-3465.3	-618.3	-1694.0
c4mpyr-dca-p3	-44.2	-37.4	-1679.6	-5176.9	-1041.4	-3463.7	-616.8	-1690.4	-1041.8	-3465.3	-618.2	-1693.9
c4mpyr-dca-p4	-45.1	-38.4	-1679.4	-5178.0	-1041.3	-3463.8	-616.7	-1690.5	-1041.7	-3465.3	-618.2	-1693.9
c4mpyr-dca-p5	-45.9	-39.4	-1680.0	-5178.3	-1041.3	-3463.8	-616.7	-1690.5	-1041.7	-3465.2	-618.1	-1693.9
c4mpyr-mes-p1	-44.3	-31.8	-1808.1	-5573.8	-1041.2	-3463.7	-745.5	-2087.3	-1041.6	-3465.4	-748.8	-2094.3
c4mpyr-mes-p2	-40.3	-29.1	-1806.9	-5572.4	-1041.8	-3464.3	-745.5	-2087.4	-1042.2	-3465.8	-748.5	-2093.7
c4mpyr-mes-p3	-38.9	-28.3	-1806.1	-5571.2	-1041.4	-3464.3	-745.5	-2087.3	-1041.8	-3465.6	-748.3	-2093.3
c4mpyr-ntf2-p1	-52.6	-42.2	-3437.3	-9861.3	-1041.5	-3463.6	-2371.9	-6369.1	-1042.0	-3465.7	-2374.1	-6374.5
c4mpyr-ntf2-p2	-44.2	-34.3	-3433.7	-9854.4	-1041.2	-3463.2	-2371.7	-6367.9	-1041.7	-3465.4	-2373.8	-6372.8
c4mpyr-ntf2-p3	-50.6	-40.8	-3436.4	-9859.9	-1041.2	-3463.5	-2371.9	-6369.1	-1041.7	-3465.3	-2374.1	-6374.4
c4mpyr-ntf2-p4	-51.1	-41.3	-3436.5	-9860.2	-1041.3	-3463.5	-2371.9	-6369.1	-1041.8	-3465.4	-2374.0	-6374.3
c4mpyr-ntf2-p5	-41.1	-32.3	-3432.1	-9852.9	-1040.9	-3463.2	-2371.7	-6368.1	-1041.4	-3464.9	-2373.6	-6372.7
c4mpyr-ntf2-p6	-41.4	-32.4	-3432.8	-9853.4	-1041.4	-3463.5	-2371.8	-6368.1	-1041.9	-3465.4	-2373.8	-6372.8
c4mpyr-pf6-p1	-34.5	-25.0	-2244.3	-6725.2	-1041.1	-3463.3	-1187.3	-3243.2	-1041.5	-3464.8	-1189.7	-3248.4
c4mpyr-pf6-p2	-31.4	-23.0	-2243.2	-6723.7	-1041.4	-3463.6	-1187.4	-3243.2	-1041.7	-3464.8	-1189.5	-3247.9
c4mpyr-pf6-p3	-31.1	-22.9	-2242.9	-6723.5	-1041.2	-3463.5	-1187.4	-3243.2	-1041.5	-3464.7	-1189.5	-3247.8
c4mpyr-tos-p1	-41.9	-29.8	-2452.6	-7363.0	-1041.2	-3463.7	-1390.7	-3878.0	-1041.7	-3465.6	-1393.9	-3884.7
c4mpyr-tos-p2	-38.0	-27.1	-2451.3	-7361.5	-1041.8	-3464.3	-1390.8	-3878.1	-1042.2	-3465.8	-1393.6	-3884.1

2.2.4 KTZVPP basis set

Table S 5: Raw KTZVPP energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-34.6	-25.3	-1575.6	-4580.3	-780.3	-2412.8	-780.1	-2148.2	-780.7	-2414.5	-782.2	-2153.3
c1mim-br-p1	-47.9	-38.6	-1030.4	-2959.1	-782.3	-2420.6	-226.1	-512.7	-782.5	-2421.4	-228.0	-519.0
c1mim-br-p2	-32.0	-24.2	-1023.4	-2949.8	-782.0	-2420.6	-226.1	-512.7	-782.0	-2420.9	-227.6	-518.5
c1mim-cl-p1	-42.9	-31.8	-931.8	-2833.0	-782.1	-2420.3	-130.5	-389.0	-782.3	-2421.0	-133.0	-396.7
c1mim-cl-p2	-32.6	-23.2	-928.1	-2827.2	-782.2	-2421.1	-130.5	-389.0	-782.3	-2421.4	-132.4	-396.1
c1mim-dca-p1	-63.4	-55.2	-1432.8	-4153.2	-780.8	-2414.1	-622.7	-1705.0	-781.2	-2415.7	-624.4	-1709.4
c1mim-dca-p2	-47.0	-40.5	-1425.5	-4144.9	-780.9	-2415.2	-622.4	-1705.0	-781.1	-2416.0	-623.7	-1709.1
c1mim-mes-p1	-48.1	-35.2	-1552.4	-4550.6	-780.8	-2413.7	-748.9	-2111.6	-781.2	-2415.3	-752.3	-2119.0
c1mim-ntf2-p1	-74.4	-60.9	-3190.0	-8834.3	-780.3	-2412.9	-2376.3	-6380.4	-780.9	-2415.3	-2379.3	-6387.9
c1mim-ntf2-p2	-41.7	-32.7	-3176.0	-8815.1	-780.6	-2414.7	-2375.5	-6378.7	-780.8	-2415.6	-2377.6	-6384.4
c1mim-ntf2-p3	-44.1	-33.9	-3178.0	-8816.0	-780.4	-2413.7	-2376.3	-6379.5	-780.8	-2415.4	-2378.6	-6385.3
c1mim-pf6-p1	-37.8	-27.1	-1985.4	-5680.8	-780.3	-2412.9	-1188.4	-3246.8	-780.7	-2414.4	-1191.1	-3252.8
c1mim-tos-p1	-45.7	-33.2	-2198.9	-6365.4	-780.5	-2413.4	-1396.8	-3928.0	-780.9	-2415.1	-1400.0	-3935.1
c1mpyr-bf4-p1	-35.0	-26.2	-1535.1	-4693.8	-739.4	-2528.3	-779.7	-2146.6	-739.6	-2529.3	-781.9	-2152.0
c1mpyr-bf4-p2	-31.9	-24.2	-1533.9	-4692.4	-739.5	-2528.5	-779.7	-2146.6	-739.7	-2529.2	-781.7	-2151.5
c1mpyr-br-p1	-49.0	-40.6	-988.6	-3068.5	-740.0	-2529.3	-226.1	-512.7	-740.1	-2529.8	-227.9	-518.8
c1mpyr-br-p2	-46.4	-38.6	-987.4	-3067.3	-740.0	-2529.5	-226.1	-512.7	-740.1	-2529.9	-227.7	-518.4
c1mpyr-cl-p1	-46.4	-36.3	-891.4	-2944.0	-740.1	-2529.4	-130.5	-389.0	-740.2	-2529.8	-132.8	-396.4
c1mpyr-cl-p2	-44.9	-35.3	-890.7	-2943.3	-740.1	-2529.6	-130.5	-389.0	-740.1	-2529.8	-132.7	-396.1
c1mpyr-dca-p1	-44.2	-37.9	-1378.0	-4242.0	-739.9	-2529.1	-616.7	-1690.2	-740.1	-2529.8	-618.2	-1694.0
c1mpyr-dca-p2	-47.7	-41.5	-1379.0	-4244.3	-739.7	-2528.8	-616.7	-1690.5	-739.9	-2529.5	-618.2	-1694.3
c1mpyr-dca-p3	-44.9	-38.9	-1376.2	-4244.4	-739.4	-2528.5	-616.6	-1691.0	-739.6	-2529.4	-617.9	-1694.6
c1mpyr-dca-p4	-46.3	-39.9	-1378.1	-4243.4	-739.4	-2528.5	-616.7	-1690.5	-739.6	-2529.3	-618.2	-1694.3
c1mpyr-mes-p1	-44.6	-32.7	-1509.8	-4664.2	-739.4	-2528.6	-748.8	-2112.7	-739.6	-2529.6	-752.1	-2120.1
c1mpyr-mes-p2	-39.4	-29.0	-1507.6	-4661.7	-739.6	-2529.0	-748.8	-2112.7	-739.7	-2529.7	-751.6	-2119.3
c1mpyr-ntf2-p1	-51.4	-41.8	-3137.6	-8936.0	-739.7	-2528.4	-2374.7	-6379.5	-739.9	-2529.5	-2377.0	-6385.3
c1mpyr-ntf2-p2	-38.9	-30.8	-3132.5	-8927.3	-739.4	-2528.1	-2374.7	-6378.6	-739.6	-2529.2	-2376.7	-6383.5
c1mpyr-ntf2-p3	-49.8	-40.7	-3136.9	-8934.8	-739.7	-2528.5	-2374.6	-6379.2	-739.9	-2529.4	-2376.8	-6384.9
c1mpyr-ntf2-p5	-40.0	-31.9	-3133.2	-8927.8	-739.6	-2528.4	-2374.6	-6378.3	-739.8	-2529.3	-2376.6	-6383.3
c1mpyr-pf6-p1	-35.3	-26.0	-1943.9	-5794.6	-739.4	-2528.2	-1188.5	-3247.1	-739.6	-2529.1	-1191.0	-3252.9
c1mpyr-pf6-p2	-32.3	-24.0	-1942.7	-5793.1	-739.5	-2528.4	-1188.5	-3247.2	-739.6	-2528.9	-1190.8	-3252.5
c1mpyr-tos-p1	-41.5	-30.1	-2156.1	-6478.3	-739.4	-2528.6	-1396.2	-3928.7	-739.6	-2529.6	-1399.3	-3935.7
c1mpyr-tos-p2	-36.3	-26.1	-2153.5	-6475.9	-739.5	-2528.7	-1396.2	-3928.7	-739.7	-2529.5	-1399.0	-3935.1

c2mim-bf4-p1	-36.9	-26.8	-1681.7	-4936.0	-885.2	-2767.4	-780.1	-2148.1	-885.6	-2769.2	-782.4	-2153.7
c2mim-bf4-p2	-34.3	-25.0	-1680.0	-4934.1	-884.7	-2766.8	-780.1	-2148.2	-885.2	-2768.5	-782.2	-2153.3
c2mim-br-p1	-49.4	-39.7	-1135.3	-3314.1	-886.6	-2774.6	-226.1	-512.7	-886.8	-2775.4	-228.1	-519.3
c2mim-br-p2	-36.0	-27.5	-1130.9	-3307.9	-887.6	-2776.5	-226.1	-512.7	-887.6	-2776.9	-227.8	-519.0
c2mim-br-p3	-36.4	-27.8	-1130.2	-3307.3	-886.8	-2775.6	-226.1	-512.7	-886.9	-2776.0	-227.8	-518.9
c2mim-br-p4	-49.4	-39.9	-1136.1	-3315.1	-887.3	-2775.7	-226.1	-512.7	-887.5	-2776.5	-228.1	-519.1
c2mim-cl-p1	-44.7	-33.1	-1037.0	-3188.3	-886.5	-2774.5	-130.5	-389.0	-886.7	-2775.2	-133.1	-397.2
c2mim-cl-p2	-35.3	-25.2	-1035.0	-3184.7	-887.8	-2777.1	-130.5	-389.0	-887.9	-2777.4	-132.6	-396.6
c2mim-cl-p3	-36.0	-25.6	-1034.4	-3184.2	-887.0	-2776.1	-130.5	-389.0	-887.1	-2776.5	-132.7	-396.7
c2mim-cl-p4	-44.1	-32.8	-1037.2	-3188.7	-887.0	-2775.3	-130.5	-389.0	-887.2	-2776.0	-133.0	-396.9
c2mim-dca-p1	-65.5	-56.7	-1537.8	-4508.6	-885.1	-2767.8	-622.6	-1705.4	-885.5	-2769.5	-624.4	-1710.2
c2mim-dca-p2	-61.3	-53.1	-1536.3	-4505.9	-885.3	-2767.8	-622.6	-1705.2	-885.7	-2769.4	-624.4	-1709.7
c2mim-dca-p3	-65.7	-57.0	-1538.9	-4509.0	-885.7	-2768.4	-622.8	-1705.2	-886.2	-2770.1	-624.6	-1710.0
c2mim-dca-p4	-62.3	-54.0	-1536.6	-4506.5	-885.2	-2767.8	-622.6	-1705.2	-885.6	-2769.5	-624.3	-1709.6
c2mim-dca-p5	-63.8	-55.3	-1537.3	-4507.3	-885.2	-2768.0	-622.7	-1705.0	-885.6	-2769.7	-624.4	-1709.6
c2mim-dca-p6	-64.0	-55.6	-1537.0	-4507.4	-885.0	-2767.5	-622.7	-1705.1	-885.5	-2769.3	-624.4	-1709.7
c2mim-mes-p1	-54.1	-40.1	-1660.3	-4908.6	-885.9	-2768.6	-748.8	-2111.4	-886.4	-2770.3	-752.5	-2119.5
c2mim-mes-p2	-48.9	-35.7	-1656.9	-4905.0	-885.1	-2767.5	-748.9	-2111.6	-885.5	-2769.1	-752.3	-2119.3
c2mim-ntf2-p1	-81.5	-66.2	-3298.1	-9192.9	-885.3	-2767.6	-2376.3	-6380.4	-885.9	-2770.1	-2379.8	-6389.0
c2mim-ntf2-p2	-52.6	-41.6	-3285.9	-9176.8	-885.5	-2769.2	-2375.9	-6379.6	-885.8	-2770.4	-2378.5	-6386.5
c2mim-ntf2-p3	-47.5	-36.6	-3284.3	-9171.9	-885.0	-2768.0	-2376.3	-6379.5	-885.4	-2769.7	-2378.8	-6385.8
c2mim-ntf2-p4	-71.3	-57.7	-3293.9	-9187.3	-885.1	-2767.5	-2376.5	-6380.7	-885.7	-2769.9	-2379.6	-6388.3
c2mim-pf6-p1	-42.1	-30.0	-2092.1	-6037.5	-885.1	-2767.4	-1188.4	-3246.7	-885.5	-2769.0	-1191.5	-3253.6
c2mim-pf6-p2	-38.2	-27.3	-2089.8	-6034.9	-884.7	-2766.7	-1188.4	-3246.8	-885.1	-2768.3	-1191.1	-3252.9
c2mim-tos-p1	-53.1	-39.2	-2307.7	-6724.1	-885.8	-2768.4	-1396.7	-3927.8	-886.3	-2770.2	-1400.3	-3935.8
c2mim-tos-p2	-46.8	-33.9	-2304.2	-6720.1	-885.1	-2767.5	-1396.8	-3928.0	-885.6	-2769.3	-1400.1	-3935.4
c2mpyr-bf4-p1	-35.8	-26.6	-1641.9	-5051.6	-845.9	-2885.5	-779.7	-2146.6	-846.2	-2886.7	-781.9	-2152.2
c2mpyr-bf4-p2	-33.4	-25.0	-1641.4	-5050.8	-846.4	-2886.0	-779.7	-2146.7	-846.6	-2886.9	-781.8	-2151.9
c2mpyr-bf4-p3	-33.0	-24.8	-1640.8	-5050.3	-846.0	-2885.8	-779.7	-2146.6	-846.2	-2886.6	-781.8	-2151.8
c2mpyr-br-p1	-50.1	-41.3	-1095.6	-3426.3	-846.6	-2886.5	-226.1	-512.7	-846.7	-2887.0	-227.9	-519.0
c2mpyr-br-p2	-48.3	-39.8	-1094.7	-3425.9	-846.5	-2887.1	-226.1	-512.7	-846.6	-2887.5	-227.9	-518.9
c2mpyr-br-p3	-47.5	-39.3	-1094.2	-3425.0	-846.5	-2886.6	-226.1	-512.7	-846.5	-2887.0	-227.8	-518.6
c2mpyr-cl-p1	-47.1	-36.6	-998.2	-3301.6	-846.6	-2886.6	-130.5	-389.0	-846.7	-2886.9	-132.9	-396.6
c2mpyr-cl-p2	-45.7	-35.6	-997.3	-3301.0	-846.4	-2886.8	-130.5	-389.0	-846.4	-2887.1	-132.8	-396.5
c2mpyr-cl-p3	-45.3	-35.4	-997.3	-3300.8	-846.6	-2886.7	-130.5	-389.0	-846.6	-2887.0	-132.7	-396.3
c2mpyr-dca-p1	-44.4	-38.0	-1484.6	-4599.3	-846.4	-2886.2	-616.8	-1690.2	-846.6	-2887.0	-618.3	-1694.1
c2mpyr-dca-p2	-47.8	-41.1	-1485.7	-4601.4	-846.0	-2885.9	-616.8	-1690.6	-846.2	-2886.7	-618.4	-1694.6
c2mpyr-dca-p3	-48.1	-41.8	-1485.6	-4601.7	-846.1	-2885.9	-616.7	-1690.5	-846.3	-2886.7	-618.2	-1694.3
c2mpyr-mes-p1	-46.3	-33.7	-1617.0	-5022.5	-845.9	-2885.8	-748.8	-2112.7	-846.2	-2886.9	-752.3	-2120.4

c2mpyr-mes-p2	-42.5	-30.9	-1615.8	-5021.2	-846.6	-2886.4	-748.9	-2112.8	-846.8	-2887.3	-752.1	-2120.1
c2mpyr-mes-p3	-41.2	-30.2	-1614.9	-5020.2	-846.1	-2886.2	-748.8	-2112.7	-846.3	-2887.0	-751.9	-2119.7
c2mpyr-ntf2-p1	-52.5	-42.6	-3244.9	-9293.9	-846.2	-2885.5	-2374.8	-6379.6	-846.5	-2886.8	-2377.2	-6385.5
c2mpyr-ntf2-p2	-41.3	-32.7	-3240.1	-9285.9	-845.9	-2885.3	-2374.7	-6378.7	-846.1	-2886.4	-2376.8	-6384.0
c2mpyr-ntf2-p3	-51.5	-41.7	-3244.2	-9293.1	-846.1	-2885.6	-2374.7	-6379.5	-846.3	-2886.6	-2377.2	-6385.5
c2mpyr-ntf2-p4	-50.4	-41.1	-3243.6	-9292.6	-846.0	-2885.5	-2374.7	-6379.5	-846.3	-2886.6	-2377.0	-6385.3
c2mpyr-ntf2-p5	-42.7	-33.9	-3240.5	-9286.5	-845.7	-2885.3	-2374.6	-6378.6	-846.0	-2886.4	-2376.8	-6383.9
c2mpyr-ntf2-p6	-40.1	-32.0	-3239.8	-9285.4	-846.1	-2885.6	-2374.8	-6378.7	-846.3	-2886.5	-2376.7	-6383.7
c2mpyr-pf6-p1	-35.8	-26.2	-2050.8	-6152.3	-846.1	-2885.7	-1188.5	-3247.1	-846.3	-2886.7	-1191.0	-3253.0
c2mpyr-pf6-p2	-33.7	-24.8	-2050.0	-6151.3	-846.1	-2885.7	-1188.5	-3247.2	-846.3	-2886.5	-1190.9	-3252.8
c2mpyr-pf6-p3	-33.1	-24.4	-2049.5	-6150.8	-846.0	-2885.6	-1188.5	-3247.2	-846.1	-2886.3	-1190.9	-3252.6
c2mpyr-tos-p1	-43.4	-31.3	-2263.3	-6836.7	-845.9	-2885.8	-1396.2	-3928.7	-846.2	-2886.9	-1399.5	-3936.1
c2mpyr-tos-p2	-39.8	-28.6	-2262.2	-6835.4	-846.5	-2886.3	-1396.2	-3928.8	-846.7	-2887.3	-1399.3	-3935.7
c3mim-bf4-p1	-37.9	-27.4	-1785.7	-5290.3	-988.7	-3121.1	-780.1	-2148.2	-989.2	-3122.9	-782.5	-2154.0
c3mim-bf4-p2	-37.0	-26.8	-1785.2	-5289.7	-988.7	-3121.0	-780.1	-2148.2	-989.2	-3122.8	-782.4	-2153.7
c3mim-br-p1	-50.2	-40.2	-1239.2	-3668.7	-990.2	-3128.8	-226.1	-512.7	-990.4	-3129.6	-228.2	-519.5
c3mim-br-p2	-36.5	-27.8	-1234.4	-3662.1	-990.9	-3130.4	-226.1	-512.7	-991.0	-3130.8	-227.9	-519.1
c3mim-br-p3	-40.9	-31.5	-1236.0	-3663.9	-990.5	-3129.8	-226.1	-512.7	-990.6	-3130.4	-228.1	-519.5
c3mim-br-p4	-51.4	-41.0	-1240.1	-3669.9	-990.5	-3129.4	-226.1	-512.7	-990.7	-3130.3	-228.3	-519.7
c3mim-cl-p1	-45.3	-33.4	-1140.7	-3542.6	-990.1	-3128.6	-130.5	-389.0	-990.2	-3129.2	-133.2	-397.3
c3mim-cl-p2	-35.5	-25.3	-1138.3	-3538.7	-991.1	-3131.0	-130.5	-389.0	-991.2	-3131.3	-132.6	-396.7
c3mim-cl-p3	-39.3	-28.1	-1139.6	-3540.2	-990.7	-3130.3	-130.5	-389.0	-990.8	-3130.7	-132.9	-397.2
c3mim-cl-p4	-45.5	-33.4	-1140.9	-3543.4	-990.3	-3129.1	-130.5	-389.0	-990.4	-3129.8	-133.2	-397.4
c3mim-dca-p1	-66.6	-57.6	-1641.7	-4862.7	-988.6	-3121.2	-622.6	-1705.5	-989.0	-3123.0	-624.5	-1710.4
c3mim-dca-p2	-67.5	-58.5	-1642.5	-4863.7	-989.0	-3121.8	-622.6	-1705.3	-989.5	-3123.7	-624.5	-1710.1
c3mim-dca-p3	-57.7	-49.7	-1638.4	-4858.7	-989.1	-3122.7	-622.4	-1705.3	-989.4	-3123.9	-624.1	-1710.0
c3mim-dca-p4	-69.0	-59.7	-1643.3	-4863.7	-988.7	-3121.5	-622.7	-1705.1	-989.2	-3123.3	-624.6	-1710.2
c3mim-dca-p5	-65.3	-56.6	-1640.5	-4861.3	-988.2	-3120.7	-622.5	-1705.1	-988.6	-3122.5	-624.3	-1709.8
c3mim-dca-p6	-64.2	-55.7	-1640.2	-4860.9	-988.2	-3120.7	-622.7	-1705.2	-988.7	-3122.4	-624.5	-1709.8
c3mim-mes-p1	-57.0	-42.2	-1765.4	-5264.0	-989.5	-3122.5	-748.8	-2111.5	-990.0	-3124.3	-752.7	-2120.1
c3mim-mes-p2	-49.5	-36.1	-1760.5	-5258.7	-988.4	-3120.8	-748.9	-2111.6	-988.9	-3122.4	-752.4	-2119.4
c3mim-ntf2-p1	-85.6	-69.1	-3403.5	-9548.8	-988.8	-3121.2	-2376.3	-6380.5	-989.4	-3123.9	-2380.1	-6389.8
c3mim-ntf2-p2	-57.1	-45.1	-3391.5	-9532.6	-989.0	-3122.6	-2375.9	-6379.6	-989.3	-3124.0	-2378.7	-6387.0
c3mim-ntf2-p3	-49.5	-38.0	-3388.7	-9526.6	-988.5	-3121.6	-2376.3	-6379.5	-989.0	-3123.4	-2378.9	-6386.1
c3mim-ntf2-p4	-72.6	-59.1	-3397.4	-9541.2	-988.3	-3120.4	-2376.5	-6380.7	-988.9	-3122.7	-2379.5	-6388.3
c3mim-pf6-p1	-42.5	-31.1	-2195.4	-6391.0	-988.4	-3120.7	-1188.3	-3246.6	-988.9	-3122.3	-1191.2	-3253.0
c3mim-pf6-p2	-38.3	-27.4	-2193.2	-6388.3	-988.0	-3120.0	-1188.4	-3246.8	-988.4	-3121.6	-1191.2	-3253.0
c3mim-tos-p1	-56.5	-41.8	-2412.9	-7079.8	-989.4	-3122.2	-1396.7	-3927.9	-989.9	-3124.2	-1400.5	-3936.3
c3mim-tos-p2	-53.5	-39.4	-2411.1	-7077.8	-989.0	-3121.5	-1396.8	-3928.0	-989.5	-3123.5	-1400.4	-3936.1

c3mpyr-bf4-p1	-36.3	-26.8	-1745.5	-5406.0	-949.3	-3239.6	-779.7	-2146.6	-949.6	-3240.8	-782.0	-2152.3
c3mpyr-bf4-p2	-33.6	-25.0	-1744.7	-5404.8	-949.7	-3239.9	-779.7	-2146.7	-949.9	-3240.9	-781.8	-2152.0
c3mpyr-bf4-p3	-33.5	-25.1	-1744.4	-5404.6	-949.4	-3239.8	-779.7	-2146.6	-949.6	-3240.7	-781.8	-2151.9
c3mpyr-br-p1	-51.1	-42.1	-1199.4	-3781.0	-950.0	-3240.6	-226.1	-512.7	-950.1	-3241.1	-228.0	-519.1
c3mpyr-br-p2	-48.2	-39.5	-1197.9	-3779.6	-949.8	-3240.6	-226.1	-512.7	-949.9	-3241.1	-227.9	-519.0
c3mpyr-br-p3	-48.3	-40.0	-1198.1	-3779.7	-949.9	-3240.7	-226.1	-512.7	-950.0	-3241.1	-227.8	-518.8
c3mpyr-cl-p1	-47.6	-36.9	-1101.8	-3656.0	-950.0	-3240.7	-130.5	-389.0	-950.1	-3241.1	-132.9	-396.7
c3mpyr-cl-p2	-46.1	-35.7	-1100.9	-3655.3	-949.8	-3240.8	-130.5	-389.0	-949.8	-3241.1	-132.8	-396.6
c3mpyr-cl-p3	-45.7	-35.7	-1100.9	-3655.1	-949.9	-3240.8	-130.5	-389.0	-950.0	-3241.1	-132.8	-396.4
c3mpyr-dca-p1	-45.6	-39.0	-1588.3	-4954.1	-949.6	-3240.0	-616.8	-1690.4	-949.8	-3241.0	-618.3	-1694.4
c3mpyr-dca-p2	-47.8	-41.0	-1589.0	-4955.5	-949.4	-3239.9	-616.8	-1690.5	-949.6	-3240.8	-618.4	-1694.7
c3mpyr-dca-p3	-43.5	-37.7	-1585.7	-4955.3	-949.5	-3240.0	-616.8	-1691.3	-949.7	-3240.8	-618.0	-1694.8
c3mpyr-dca-p4	-46.3	-39.9	-1588.2	-4955.0	-949.7	-3240.1	-616.7	-1690.4	-949.9	-3241.0	-618.2	-1694.2
c3mpyr-dca-p5	-48.2	-41.7	-1589.0	-4955.8	-949.5	-3240.0	-616.7	-1690.5	-949.7	-3240.8	-618.2	-1694.4
c3mpyr-mes-p1	-47.3	-34.3	-1720.8	-5377.3	-949.3	-3239.9	-748.8	-2112.7	-949.6	-3241.0	-752.4	-2120.7
c3mpyr-mes-p2	-42.8	-31.0	-1719.3	-5375.4	-949.9	-3240.4	-748.9	-2112.8	-950.2	-3241.3	-752.1	-2120.2
c3mpyr-mes-p3	-42.2	-30.8	-1718.7	-5374.9	-949.5	-3240.3	-748.8	-2112.7	-949.7	-3241.2	-752.0	-2119.9
c3mpyr-ntf2-p1	-54.5	-44.2	-3349.2	-9649.3	-949.7	-3239.9	-2374.8	-6379.6	-950.0	-3241.2	-2377.3	-6385.7
c3mpyr-ntf2-p2	-40.8	-32.6	-3343.6	-9639.5	-949.4	-3239.5	-2374.7	-6378.6	-949.6	-3240.6	-2376.7	-6383.5
c3mpyr-ntf2-p3	-51.8	-41.9	-3347.7	-9647.3	-949.4	-3239.6	-2374.8	-6379.5	-949.6	-3240.7	-2377.3	-6385.6
c3mpyr-ntf2-p4	-52.6	-42.8	-3348.0	-9647.8	-949.4	-3239.7	-2374.7	-6379.4	-949.7	-3240.9	-2377.1	-6385.4
c3mpyr-ntf2-p5	-42.7	-33.9	-3343.8	-9640.5	-949.1	-3239.3	-2374.6	-6378.5	-949.4	-3240.5	-2376.7	-6383.9
c3mpyr-ntf2-p6	-42.0	-33.3	-3344.0	-9640.6	-949.5	-3239.7	-2374.7	-6378.6	-949.7	-3240.8	-2376.8	-6383.9
c3mpyr-pf6-p1	-37.1	-27.0	-2154.5	-6506.9	-949.2	-3239.5	-1188.5	-3247.1	-949.5	-3240.5	-1191.1	-3253.3
c3mpyr-pf6-p2	-33.7	-24.7	-2153.3	-6505.3	-949.5	-3239.7	-1188.5	-3247.2	-949.7	-3240.5	-1190.9	-3252.8
c3mpyr-pf6-p3	-33.8	-24.8	-2153.1	-6505.3	-949.3	-3239.7	-1188.5	-3247.2	-949.5	-3240.4	-1190.9	-3252.8
c3mpyr-tos-p1	-44.6	-32.1	-2367.2	-7191.5	-949.3	-3239.9	-1396.2	-3928.7	-949.6	-3241.1	-1399.6	-3936.3
c3mpyr-tos-p2	-40.2	-28.8	-2365.7	-7189.7	-949.9	-3240.3	-1396.2	-3928.7	-950.1	-3241.3	-1399.3	-3935.8
c4mim-bf4-p1	-38.6	-27.8	-1889.4	-5644.2	-1092.1	-3474.6	-780.1	-2148.1	-1092.6	-3476.5	-782.5	-2154.1
c4mim-bf4-p2	-37.2	-26.9	-1888.6	-5643.3	-1092.0	-3474.4	-780.1	-2148.2	-1092.5	-3476.2	-782.4	-2153.8
c4mim-br-p1	-51.2	-41.0	-1343.0	-4023.3	-1093.5	-3482.9	-226.1	-512.7	-1093.7	-3483.7	-228.3	-519.6
c4mim-br-p2	-37.6	-28.6	-1338.2	-4016.8	-1094.2	-3484.5	-226.1	-512.7	-1094.3	-3484.9	-228.0	-519.3
c4mim-br-p3	-42.9	-33.0	-1340.3	-4019.1	-1093.8	-3483.9	-226.1	-512.7	-1094.0	-3484.5	-228.2	-519.7
c4mim-br-p4	-52.0	-41.5	-1343.5	-4024.1	-1093.7	-3483.3	-226.1	-512.7	-1093.9	-3484.2	-228.3	-519.8
c4mim-cl-p1	-45.9	-33.9	-1244.3	-3897.1	-1093.3	-3482.6	-130.5	-389.0	-1093.5	-3483.3	-133.2	-397.4
c4mim-cl-p2	-36.1	-25.6	-1241.9	-3893.1	-1094.4	-3485.0	-130.5	-389.0	-1094.5	-3485.4	-132.7	-396.8
c4mim-cl-p3	-40.8	-29.2	-1243.6	-3895.0	-1094.0	-3484.3	-130.5	-389.0	-1094.1	-3484.8	-133.0	-397.5
c4mim-cl-p4	-46.0	-33.8	-1244.4	-3897.5	-1093.5	-3482.9	-130.5	-389.0	-1093.7	-3483.7	-133.2	-397.5
c4mim-dca-p1	-67.4	-58.2	-1745.4	-5216.7	-1091.9	-3474.7	-622.6	-1705.5	-1092.4	-3476.5	-624.5	-1710.5

c4mim-dca-p2	-70.8	-61.1	-1747.5	-5218.2	-1092.1	-3475.0	-622.7	-1705.2	-1092.6	-3476.9	-624.6	-1710.4
c4mim-dca-p3	-65.6	-56.8	-1743.8	-5215.0	-1091.4	-3474.0	-622.5	-1705.2	-1091.9	-3475.9	-624.3	-1709.9
c4mim-mes-p1	-58.4	-43.2	-1869.3	-5618.3	-1092.9	-3476.0	-748.8	-2111.5	-1093.4	-3477.9	-752.8	-2120.3
c4mim-mes-p2	-49.6	-36.1	-1863.7	-5612.0	-1091.6	-3474.0	-748.9	-2111.6	-1092.1	-3475.7	-752.4	-2119.5
c4mim-pf6-p1	-45.3	-32.2	-2300.5	-6746.6	-1092.0	-3474.6	-1188.4	-3246.7	-1092.5	-3476.4	-1191.7	-3254.3
c4mim-pf6-p2	-38.4	-27.4	-2296.4	-6741.7	-1091.3	-3473.4	-1188.4	-3246.8	-1091.7	-3474.9	-1191.2	-3253.0
c4mim-tos-p1	-58.9	-43.7	-2517.4	-7434.7	-1092.8	-3475.8	-1396.7	-3927.9	-1093.3	-3477.9	-1400.6	-3936.6
c4mim-tos-p2	-54.4	-40.4	-2515.3	-7432.0	-1092.7	-3475.5	-1396.8	-3927.9	-1093.2	-3477.5	-1400.3	-3935.9
c4mpyr-bf4-p1	-36.4	-26.9	-1848.7	-5759.8	-1052.5	-3593.3	-779.7	-2146.6	-1052.8	-3594.5	-782.0	-2152.4
c4mpyr-bf4-p2	-33.8	-25.1	-1848.0	-5758.7	-1052.8	-3593.6	-779.7	-2146.7	-1053.1	-3594.6	-781.8	-2152.0
c4mpyr-bf4-p3	-33.7	-25.2	-1847.7	-5758.6	-1052.6	-3593.6	-779.7	-2146.7	-1052.8	-3594.4	-781.8	-2152.0
c4mpyr-br-p1	-51.3	-42.2	-1302.7	-4134.8	-1053.2	-3594.3	-226.1	-512.7	-1053.3	-3594.8	-228.0	-519.2
c4mpyr-br-p2	-48.6	-39.7	-1301.1	-4133.5	-1053.0	-3594.4	-226.1	-512.7	-1053.1	-3594.8	-228.0	-519.1
c4mpyr-br-p3	-48.6	-40.2	-1301.4	-4133.5	-1053.1	-3594.4	-226.1	-512.7	-1053.2	-3594.8	-227.9	-518.8
c4mpyr-cl-p1	-47.6	-36.9	-1205.0	-4009.7	-1053.2	-3594.3	-130.5	-389.0	-1053.3	-3594.7	-132.9	-396.8
c4mpyr-cl-p2	-46.6	-36.1	-1204.3	-4009.4	-1053.0	-3594.7	-130.5	-389.0	-1053.1	-3595.0	-132.9	-396.7
c4mpyr-cl-p3	-45.7	-35.6	-1204.0	-4008.8	-1053.2	-3594.5	-130.5	-389.0	-1053.2	-3594.8	-132.8	-396.4
c4mpyr-dca-p1	-45.9	-39.3	-1690.7	-5308.7	-1052.7	-3593.4	-616.7	-1690.6	-1053.0	-3594.4	-618.2	-1694.4
c4mpyr-dca-p2	-47.8	-41.0	-1692.3	-5309.3	-1052.7	-3593.7	-616.8	-1690.5	-1052.9	-3594.6	-618.4	-1694.6
c4mpyr-dca-p3	-46.4	-39.6	-1691.8	-5308.2	-1052.7	-3593.6	-616.8	-1690.4	-1052.9	-3594.6	-618.4	-1694.4
c4mpyr-dca-p4	-47.3	-40.6	-1691.6	-5309.2	-1052.7	-3593.6	-616.7	-1690.5	-1052.9	-3594.6	-618.3	-1694.5
c4mpyr-dca-p5	-48.3	-41.8	-1692.2	-5309.6	-1052.7	-3593.6	-616.7	-1690.5	-1052.9	-3594.5	-618.3	-1694.4
c4mpyr-mes-p1	-47.3	-34.3	-1824.0	-5731.0	-1052.5	-3593.6	-748.8	-2112.7	-1052.8	-3594.7	-752.4	-2120.7
c4mpyr-mes-p2	-43.3	-31.4	-1822.7	-5729.5	-1053.2	-3594.1	-748.9	-2112.8	-1053.4	-3595.0	-752.2	-2120.2
c4mpyr-mes-p3	-42.5	-31.0	-1822.0	-5728.7	-1052.7	-3594.0	-748.8	-2112.7	-1052.9	-3594.9	-752.0	-2120.0
c4mpyr-ntf2-p1	-54.8	-44.3	-3452.4	-10002.9	-1052.8	-3593.5	-2374.8	-6379.5	-1053.2	-3594.9	-2377.3	-6385.7
c4mpyr-ntf2-p2	-46.5	-36.5	-3448.9	-9996.2	-1052.5	-3593.2	-2374.6	-6378.3	-1052.9	-3594.7	-2376.9	-6384.0
c4mpyr-ntf2-p3	-53.0	-43.0	-3451.5	-10001.8	-1052.6	-3593.4	-2374.7	-6379.5	-1052.8	-3594.5	-2377.3	-6385.7
c4mpyr-ntf2-p4	-53.8	-43.7	-3451.8	-10002.3	-1052.6	-3593.4	-2374.7	-6379.5	-1052.9	-3594.6	-2377.2	-6385.7
c4mpyr-ntf2-p5	-43.4	-34.4	-3447.2	-9994.6	-1052.3	-3593.1	-2374.6	-6378.5	-1052.6	-3594.2	-2376.7	-6383.9
c4mpyr-ntf2-p6	-43.7	-34.6	-3448.0	-9995.1	-1052.7	-3593.4	-2374.7	-6378.5	-1053.0	-3594.6	-2376.9	-6384.0
c4mpyr-pf6-p1	-37.2	-27.1	-2257.7	-6860.8	-1052.5	-3593.2	-1188.5	-3247.2	-1052.7	-3594.3	-1191.2	-3253.3
c4mpyr-pf6-p2	-34.1	-25.0	-2256.7	-6859.3	-1052.7	-3593.4	-1188.5	-3247.2	-1052.9	-3594.3	-1190.9	-3252.8
c4mpyr-pf6-p3	-34.0	-25.0	-2256.4	-6859.2	-1052.6	-3593.4	-1188.5	-3247.2	-1052.7	-3594.1	-1191.0	-3252.8
c4mpyr-tos-p1	-44.9	-32.3	-2470.6	-7545.5	-1052.6	-3593.6	-1396.2	-3928.7	-1052.9	-3594.9	-1399.6	-3936.4
c4mpyr-tos-p2	-40.9	-29.3	-2469.2	-7543.9	-1053.1	-3594.1	-1396.3	-3928.7	-1053.4	-3595.1	-1399.5	-3935.9

2.2.5 CCD basis set

Table S 6: Raw CCD energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-34.2	-14.5	-1294.2	-3566.1	-669.7	-1957.2	-611.2	-1588.1	-670.4	-1959.2	-616.7	-1599.5
clmim-br-p1	-36.4	-22.0	-789.0	-2224.7	-672.0	-1967.2	-101.1	-237.0	-672.5	-1968.5	-104.4	-246.3
clmim-br-p2	-23.8	-13.3	-784.6	-2216.9	-671.8	-1967.9	-101.1	-237.0	-672.0	-1968.4	-103.5	-244.3
clmim-cl-p1	-32.6	-15.8	-781.5	-2242.5	-671.8	-1966.8	-96.2	-256.6	-672.3	-1968.0	-100.3	-267.6
clmim-cl-p2	-24.8	-12.0	-780.1	-2238.1	-672.0	-1968.5	-96.2	-256.6	-672.2	-1969.0	-99.2	-265.7
clmim-dca-p1	-55.0	-40.7	-1228.7	-3362.6	-670.1	-1958.6	-533.7	-1373.9	-671.2	-1961.2	-537.1	-1381.2
clmim-dca-p2	-41.8	-30.9	-1223.5	-3356.2	-670.3	-1960.1	-533.4	-1374.0	-670.8	-1961.4	-536.1	-1380.5
clmim-mes-p1	-44.1	-19.1	-1290.9	-3593.7	-670.1	-1958.0	-601.2	-1611.3	-670.9	-1960.1	-608.6	-1625.9
clmim-ntf2-p1	-69.3	-44.7	-2603.2	-6829.7	-669.7	-1957.4	-1903.8	-4832.8	-670.6	-1959.9	-1910.9	-4846.8
clmim-ntf2-p2	-42.9	-26.1	-2593.0	-6813.7	-670.1	-1959.7	-1903.0	-4830.9	-670.5	-1960.8	-1907.9	-4841.3
clmim-ntf2-p3	-41.3	-21.2	-2592.4	-6812.4	-669.8	-1958.4	-1903.6	-4831.7	-670.4	-1960.1	-1909.5	-4843.6
clmim-pf6-p1	-37.1	-16.0	-1602.2	-4362.1	-669.7	-1957.3	-917.8	-2382.3	-670.2	-1959.0	-924.1	-2394.9
clmim-tos-p1	-40.3	-17.1	-1855.0	-5075.6	-669.8	-1957.8	-1167.1	-3095.6	-670.6	-1959.9	-1173.8	-3109.0
clmpyr-bf4-p1	-36.4	-16.7	-1257.3	-3662.4	-631.2	-2054.5	-610.9	-1586.7	-631.5	-2055.5	-616.7	-1599.2
clmpyr-bf4-p2	-33.4	-15.9	-1256.2	-3660.8	-631.3	-2054.7	-610.9	-1586.7	-631.7	-2055.6	-616.1	-1597.9
clmpyr-br-p1	-39.3	-26.6	-750.6	-2314.4	-631.8	-2055.8	-101.1	-237.0	-632.0	-2056.3	-104.3	-245.9
clmpyr-br-p2	-37.5	-25.5	-749.8	-2313.7	-631.8	-2056.1	-101.1	-237.0	-632.0	-2056.5	-104.0	-245.4
clmpyr-cl-p1	-36.8	-22.3	-744.1	-2333.3	-631.8	-2055.9	-96.2	-256.6	-632.0	-2056.3	-99.8	-266.8
clmpyr-cl-p2	-35.8	-22.0	-743.6	-2333.0	-631.8	-2056.1	-96.2	-256.6	-632.0	-2056.5	-99.6	-266.4
clmpyr-dca-p1	-39.5	-28.4	-1177.7	-3433.1	-631.7	-2055.4	-527.0	-1357.2	-632.1	-2056.4	-530.1	-1363.7
clmpyr-dca-p2	-43.6	-31.9	-1178.9	-3435.8	-631.5	-2055.0	-527.0	-1357.6	-632.0	-2056.2	-530.2	-1364.3
clmpyr-dca-p3	-40.3	-29.3	-1175.9	-3435.9	-631.3	-2054.8	-527.1	-1358.4	-631.7	-2055.9	-529.9	-1365.2
clmpyr-dca-p4	-41.9	-30.8	-1177.9	-3434.6	-631.3	-2054.8	-527.0	-1357.6	-631.7	-2056.0	-530.1	-1363.9
clmpyr-mes-p1	-44.0	-19.9	-1252.8	-3691.6	-631.2	-2055.0	-601.4	-1613.0	-631.6	-2056.1	-608.8	-1628.0
clmpyr-mes-p2	-39.5	-18.4	-1251.2	-3689.6	-631.4	-2055.5	-601.4	-1612.9	-631.8	-2056.5	-607.8	-1626.3
clmpyr-ntf2-p1	-53.2	-33.7	-2557.3	-6917.8	-631.5	-2054.5	-1902.8	-4833.1	-631.9	-2055.5	-1908.9	-4845.0
clmpyr-ntf2-p2	-41.4	-22.9	-2552.3	-6909.4	-631.2	-2054.3	-1902.8	-4832.0	-631.6	-2055.2	-1908.5	-4843.5
clmpyr-ntf2-p3	-51.8	-33.0	-2556.9	-6916.7	-631.4	-2054.8	-1902.7	-4832.8	-631.8	-2055.7	-1908.6	-4844.4
clmpyr-ntf2-p5	-43.0	-23.6	-2553.1	-6910.3	-631.4	-2054.5	-1902.7	-4831.8	-631.8	-2055.5	-1908.7	-4843.8
clmpyr-pf6-p1	-37.8	-17.2	-1564.8	-4459.2	-631.2	-2054.4	-917.9	-2382.7	-631.5	-2055.2	-924.3	-2395.8
clmpyr-pf6-p2	-35.1	-16.2	-1563.8	-4458.0	-631.3	-2054.6	-917.9	-2382.8	-631.5	-2055.2	-923.8	-2394.9
clmpyr-tos-p1	-40.1	-17.1	-1816.7	-5172.8	-631.2	-2055.0	-1166.5	-3096.7	-631.6	-2056.1	-1173.7	-3110.9
clmpyr-tos-p2	-35.1	-14.9	-1814.4	-5170.3	-631.3	-2055.1	-1166.5	-3096.7	-631.7	-2056.0	-1172.9	-3109.2

c2mim-bf4-p1	-36.3	-14.9	-1385.3	-3855.9	-759.7	-2246.0	-611.2	-1588.1	-760.4	-2248.0	-617.3	-1600.7
c2mim-bf4-p2	-33.9	-14.4	-1383.8	-3854.0	-759.2	-2245.3	-611.2	-1588.1	-759.9	-2247.2	-616.7	-1599.5
c2mim-br-p1	-37.3	-22.4	-879.0	-2513.8	-761.6	-2255.8	-101.1	-237.0	-762.1	-2257.0	-104.6	-246.7
c2mim-br-p2	-27.6	-15.5	-876.9	-2509.3	-762.4	-2258.1	-101.1	-237.0	-762.7	-2258.8	-103.9	-245.3
c2mim-br-p3	-27.3	-15.4	-876.1	-2508.4	-761.8	-2257.3	-101.1	-237.0	-762.0	-2257.9	-104.0	-245.2
c2mim-br-p4	-37.7	-23.1	-879.6	-2514.8	-762.0	-2256.6	-101.1	-237.0	-762.5	-2257.9	-104.5	-246.4
c2mim-cl-p1	-33.8	-16.2	-871.7	-2532.0	-761.5	-2255.6	-96.2	-256.6	-762.0	-2256.8	-100.4	-268.3
c2mim-cl-p2	-27.7	-13.3	-871.9	-2530.0	-762.6	-2258.8	-96.2	-256.6	-762.9	-2259.4	-99.6	-266.7
c2mim-cl-p3	-27.5	-13.1	-871.1	-2529.2	-762.0	-2257.9	-96.2	-256.6	-762.2	-2258.5	-99.7	-266.7
c2mim-cl-p4	-33.6	-16.6	-871.8	-2532.4	-761.8	-2256.1	-96.2	-256.6	-762.3	-2257.4	-100.3	-267.7
c2mim-dca-p1	-57.0	-42.9	-1319.0	-3652.2	-759.6	-2246.6	-533.6	-1374.3	-760.6	-2249.1	-537.0	-1381.5
c2mim-dca-p2	-53.7	-39.8	-1317.9	-3650.0	-759.8	-2246.6	-533.6	-1374.1	-760.7	-2249.1	-537.1	-1381.2
c2mim-dca-p3	-57.5	-42.9	-1319.9	-3652.4	-760.0	-2246.8	-533.8	-1374.1	-761.0	-2249.3	-537.4	-1381.8
c2mim-dca-p4	-54.2	-40.8	-1318.0	-3650.2	-759.7	-2246.6	-533.7	-1374.1	-760.6	-2249.0	-536.9	-1380.9
c2mim-dca-p5	-55.4	-41.0	-1318.5	-3651.0	-759.7	-2246.7	-533.8	-1373.9	-760.7	-2249.3	-537.1	-1381.3
c2mim-dca-p6	-55.5	-41.3	-1318.1	-3651.0	-759.6	-2246.2	-533.8	-1374.1	-760.6	-2248.8	-537.1	-1381.2
c2mim-mes-p1	-49.7	-22.8	-1383.6	-3885.8	-760.3	-2247.1	-601.2	-1611.1	-761.1	-2249.1	-609.2	-1627.1
c2mim-mes-p2	-45.3	-19.9	-1380.8	-3882.6	-759.6	-2246.0	-601.2	-1611.3	-760.4	-2248.0	-608.8	-1626.4
c2mim-ntf2-p1	-75.5	-48.2	-2696.1	-7121.8	-759.7	-2246.2	-1903.7	-4832.7	-760.7	-2248.7	-1911.8	-4848.4
c2mim-ntf2-p2	-54.0	-32.3	-2687.8	-7109.7	-760.1	-2248.2	-1903.4	-4831.9	-760.6	-2249.6	-1909.9	-4845.1
c2mim-ntf2-p3	-45.2	-23.2	-2684.1	-7102.9	-759.6	-2246.9	-1903.6	-4831.7	-760.2	-2248.5	-1910.2	-4844.9
c2mim-ntf2-p4	-65.9	-41.6	-2692.2	-7116.6	-759.6	-2246.1	-1904.0	-4833.1	-760.5	-2248.4	-1911.1	-4847.2
c2mim-pf6-p1	-41.5	-17.3	-1694.0	-4653.1	-759.6	-2245.9	-917.8	-2382.3	-760.2	-2247.7	-925.1	-2396.8
c2mim-pf6-p2	-37.5	-16.3	-1691.8	-4650.4	-759.2	-2245.3	-917.8	-2382.4	-759.8	-2246.9	-924.1	-2395.0
c2mim-tos-p1	-47.6	-21.2	-1948.6	-5368.4	-760.2	-2246.9	-1167.0	-3095.4	-761.0	-2249.2	-1174.8	-3110.8
c2mim-tos-p2	-42.2	-17.9	-1945.6	-5364.7	-759.6	-2246.0	-1167.0	-3095.5	-760.4	-2248.2	-1174.2	-3109.6
c2mpyr-bf4-p1	-37.2	-17.0	-1348.9	-3953.8	-722.5	-2345.4	-610.9	-1586.7	-722.9	-2346.5	-616.9	-1599.5
c2mpyr-bf4-p2	-35.3	-16.2	-1348.7	-3953.2	-723.0	-2345.9	-610.9	-1586.7	-723.4	-2347.0	-616.5	-1598.8
c2mpyr-bf4-p3	-34.3	-16.3	-1347.9	-3952.4	-722.6	-2345.7	-610.9	-1586.7	-723.0	-2346.6	-616.2	-1598.2
c2mpyr-br-p1	-40.2	-27.1	-842.3	-2605.8	-723.1	-2346.6	-101.1	-237.0	-723.4	-2347.2	-104.4	-246.1
c2mpyr-br-p2	-39.2	-26.4	-841.8	-2605.7	-723.0	-2347.2	-101.1	-237.0	-723.3	-2347.8	-104.3	-245.9
c2mpyr-br-p3	-38.3	-26.0	-841.4	-2604.9	-723.1	-2346.8	-101.1	-237.0	-723.3	-2347.3	-104.1	-245.6
c2mpyr-cl-p1	-37.5	-22.6	-835.6	-2624.6	-723.2	-2346.7	-96.2	-256.6	-723.4	-2347.2	-99.9	-267.0
c2mpyr-cl-p2	-36.7	-22.3	-835.1	-2624.4	-722.9	-2347.0	-96.2	-256.6	-723.1	-2347.5	-99.8	-266.7
c2mpyr-cl-p3	-36.2	-22.1	-835.0	-2624.1	-723.2	-2346.9	-96.2	-256.6	-723.4	-2347.4	-99.7	-266.5
c2mpyr-dca-p1	-39.8	-28.6	-1269.1	-3724.1	-723.0	-2346.2	-527.0	-1357.3	-723.5	-2347.3	-530.1	-1363.7
c2mpyr-dca-p2	-43.1	-31.3	-1270.2	-3726.2	-722.7	-2345.9	-527.1	-1357.7	-723.2	-2347.2	-530.3	-1364.3
c2mpyr-dca-p3	-44.1	-32.3	-1270.3	-3727.0	-722.7	-2345.8	-527.0	-1357.6	-723.3	-2347.1	-530.3	-1364.4
c2mpyr-mes-p1	-45.8	-20.7	-1344.8	-3983.7	-722.5	-2345.8	-601.4	-1613.0	-723.0	-2347.0	-609.2	-1628.6

c2mpyr-mes-p2	-42.3	-18.9	-1343.9	-3982.5	-723.2	-2346.4	-601.4	-1613.1	-723.6	-2347.5	-608.7	-1627.7
c2mpyr-mes-p3	-41.1	-19.0	-1343.1	-3981.5	-722.8	-2346.4	-601.4	-1613.0	-723.2	-2347.4	-608.1	-1626.8
c2mpyr-ntf2-p1	-54.1	-34.1	-2649.2	-7209.2	-722.8	-2345.3	-1902.9	-4833.2	-723.3	-2346.4	-1909.1	-4845.5
c2mpyr-ntf2-p2	-43.5	-24.2	-2644.6	-7201.6	-722.5	-2345.2	-1902.8	-4832.2	-722.9	-2346.2	-1908.8	-4844.2
c2mpyr-ntf2-p3	-54.1	-33.3	-2649.0	-7209.1	-722.6	-2345.4	-1902.9	-4833.1	-723.1	-2346.6	-1909.3	-4845.9
c2mpyr-ntf2-p4	-52.3	-33.1	-2648.3	-7208.2	-722.7	-2345.5	-1902.9	-4833.2	-723.1	-2346.5	-1908.8	-4844.9
c2mpyr-ntf2-p5	-44.8	-24.8	-2644.9	-7202.1	-722.4	-2345.2	-1902.7	-4832.0	-722.8	-2346.3	-1908.9	-4844.3
c2mpyr-ntf2-p6	-42.8	-23.5	-2644.5	-7201.4	-722.7	-2345.4	-1902.8	-4832.1	-723.1	-2346.4	-1908.8	-4844.1
c2mpyr-pf6-p1	-38.1	-17.4	-1656.5	-4750.5	-722.7	-2345.5	-917.9	-2382.7	-723.0	-2346.4	-924.3	-2395.8
c2mpyr-pf6-p2	-36.4	-16.5	-1655.8	-4749.6	-722.8	-2345.6	-917.9	-2382.8	-723.1	-2346.5	-924.0	-2395.3
c2mpyr-pf6-p3	-35.8	-16.4	-1655.3	-4749.2	-722.6	-2345.5	-917.9	-2382.8	-722.9	-2346.2	-923.9	-2395.1
c2mpyr-tos-p1	-42.0	-18.1	-1908.7	-5464.9	-722.5	-2345.8	-1166.6	-3096.7	-723.0	-2347.0	-1174.0	-3111.5
c2mpyr-tos-p2	-38.8	-16.3	-1907.8	-5463.8	-723.1	-2346.3	-1166.6	-3096.8	-723.6	-2347.5	-1173.5	-3110.6
c3mim-bf4-p1	-37.3	-15.1	-1474.4	-4144.3	-848.3	-2533.8	-611.2	-1588.1	-849.1	-2535.8	-617.5	-1601.2
c3mim-bf4-p2	-36.6	-15.4	-1473.9	-4143.7	-848.2	-2533.5	-611.2	-1588.1	-849.0	-2535.6	-617.2	-1600.5
c3mim-br-p1	-37.9	-22.6	-967.9	-2802.8	-850.3	-2544.5	-101.1	-237.0	-850.8	-2545.8	-104.6	-246.9
c3mim-br-p2	-28.1	-15.8	-965.5	-2798.0	-850.9	-2546.5	-101.1	-237.0	-851.2	-2547.2	-104.0	-245.4
c3mim-br-p3	-30.7	-17.5	-966.4	-2799.0	-850.6	-2546.0	-101.1	-237.0	-850.8	-2546.7	-104.3	-246.1
c3mim-br-p4	-39.3	-23.5	-968.5	-2803.9	-850.3	-2544.7	-101.1	-237.0	-850.9	-2546.0	-104.8	-247.2
c3mim-cl-p1	-34.2	-16.4	-960.6	-2820.9	-850.2	-2544.3	-96.2	-256.6	-850.7	-2545.5	-100.5	-268.4
c3mim-cl-p2	-28.0	-13.4	-960.4	-2818.6	-851.1	-2547.2	-96.2	-256.6	-851.4	-2547.8	-99.7	-266.8
c3mim-cl-p3	-30.0	-14.2	-960.9	-2819.2	-850.8	-2546.6	-96.2	-256.6	-851.0	-2547.2	-100.1	-267.6
c3mim-cl-p4	-35.0	-16.7	-960.7	-2821.5	-850.1	-2544.3	-96.2	-256.6	-850.7	-2545.6	-100.7	-268.6
c3mim-dca-p1	-58.0	-43.6	-1408.0	-3940.5	-848.2	-2534.3	-533.6	-1374.4	-849.2	-2536.8	-537.1	-1381.7
c3mim-dca-p2	-58.8	-44.1	-1408.7	-3941.3	-848.6	-2534.8	-533.7	-1374.2	-849.7	-2537.5	-537.2	-1381.5
c3mim-dca-p3	-51.5	-37.9	-1405.9	-3937.7	-848.7	-2535.7	-533.5	-1374.3	-849.4	-2537.5	-536.8	-1382.0
c3mim-dca-p4	-60.4	-44.9	-1409.6	-3941.3	-848.4	-2534.4	-533.7	-1374.0	-849.4	-2537.0	-537.5	-1382.0
c3mim-dca-p5	-56.6	-42.4	-1406.7	-3939.0	-847.8	-2533.7	-533.6	-1374.1	-848.9	-2536.3	-537.0	-1381.2
c3mim-dca-p6	-55.6	-41.4	-1406.4	-3938.6	-847.9	-2533.6	-533.8	-1374.1	-848.9	-2536.3	-537.1	-1381.3
c3mim-mes-p1	-52.5	-24.0	-1473.6	-4175.3	-849.0	-2535.1	-601.2	-1611.2	-849.8	-2537.2	-609.7	-1628.1
c3mim-mes-p2	-45.8	-20.2	-1469.4	-4170.6	-848.0	-2533.5	-601.2	-1611.4	-848.8	-2535.6	-608.8	-1626.5
c3mim-ntf2-p1	-79.0	-50.3	-2786.3	-7411.6	-848.3	-2534.0	-1903.8	-4832.8	-849.4	-2536.6	-1912.2	-4849.4
c3mim-ntf2-p2	-58.3	-34.7	-2778.3	-7399.7	-848.6	-2535.8	-1903.4	-4831.9	-849.2	-2537.3	-1910.5	-4846.3
c3mim-ntf2-p3	-47.3	-24.2	-2773.6	-7391.8	-848.2	-2534.6	-1903.6	-4831.7	-848.8	-2536.4	-1910.5	-4845.6
c3mim-ntf2-p4	-66.9	-43.0	-2780.7	-7404.7	-847.9	-2533.3	-1904.0	-4833.2	-848.8	-2535.6	-1910.9	-4847.1
c3mim-pf6-p1	-41.9	-18.6	-1782.3	-4940.9	-848.0	-2533.5	-917.7	-2382.2	-848.7	-2535.2	-924.7	-2396.1
c3mim-pf6-p2	-37.5	-16.4	-1780.2	-4938.0	-847.7	-2532.8	-917.8	-2382.4	-848.2	-2534.5	-924.1	-2395.0
c3mim-tos-p1	-50.9	-22.8	-2038.7	-5658.2	-848.8	-2534.9	-1167.0	-3095.4	-849.7	-2537.2	-1175.3	-3111.8
c3mim-tos-p2	-47.9	-21.6	-2036.8	-5655.8	-848.3	-2533.8	-1167.1	-3095.6	-849.1	-2536.1	-1174.8	-3111.0

c3mpyr-bf4-p1	-37.7	-17.1	-1437.8	-4242.9	-811.2	-2634.2	-610.9	-1586.7	-811.7	-2635.3	-617.0	-1599.7
c3mpyr-bf4-p2	-35.7	-16.3	-1437.4	-4242.1	-811.6	-2634.5	-610.9	-1586.7	-812.0	-2635.6	-616.6	-1599.0
c3mpyr-bf4-p3	-34.7	-16.4	-1436.7	-4241.3	-811.3	-2634.4	-610.9	-1586.7	-811.7	-2635.4	-616.3	-1598.3
c3mpyr-br-p1	-41.0	-27.6	-931.4	-2895.0	-811.9	-2635.4	-101.1	-237.0	-812.1	-2635.9	-104.4	-246.3
c3mpyr-br-p2	-38.8	-26.2	-930.2	-2893.9	-811.7	-2635.5	-101.1	-237.0	-812.0	-2636.1	-104.2	-245.7
c3mpyr-br-p3	-39.0	-26.4	-930.3	-2894.1	-811.8	-2635.6	-101.1	-237.0	-812.0	-2636.1	-104.2	-245.7
c3mpyr-cl-p1	-37.9	-22.8	-924.5	-2913.6	-811.9	-2635.5	-96.2	-256.6	-812.1	-2636.0	-100.0	-267.2
c3mpyr-cl-p2	-37.0	-22.4	-923.9	-2913.2	-811.7	-2635.7	-96.2	-256.6	-811.9	-2636.2	-99.8	-266.8
c3mpyr-cl-p3	-36.5	-22.2	-923.8	-2913.0	-811.9	-2635.7	-96.2	-256.6	-812.1	-2636.2	-99.7	-266.6
c3mpyr-dca-p1	-41.2	-29.4	-1358.3	-4013.7	-811.5	-2634.6	-527.1	-1357.5	-811.9	-2635.8	-530.4	-1364.5
c3mpyr-dca-p2	-43.1	-31.3	-1358.8	-4014.9	-811.3	-2634.6	-527.1	-1357.7	-811.9	-2635.9	-530.3	-1364.3
c3mpyr-dca-p3	-39.6	-28.7	-1356.0	-4015.7	-811.5	-2634.6	-527.3	-1358.7	-811.9	-2635.8	-530.0	-1365.2
c3mpyr-dca-p4	-41.7	-30.6	-1358.1	-4014.5	-811.6	-2634.7	-527.0	-1357.6	-812.1	-2635.9	-530.0	-1363.9
c3mpyr-dca-p5	-44.1	-32.1	-1359.0	-4015.7	-811.4	-2634.6	-527.0	-1357.6	-812.0	-2635.9	-530.3	-1364.4
c3mpyr-mes-p1	-46.7	-21.1	-1433.8	-4273.0	-811.2	-2634.5	-601.4	-1613.0	-811.7	-2635.7	-609.4	-1628.9
c3mpyr-mes-p2	-42.8	-19.1	-1432.7	-4271.5	-811.8	-2635.1	-601.4	-1613.1	-812.3	-2636.2	-608.7	-1627.8
c3mpyr-mes-p3	-42.1	-19.4	-1432.2	-4270.9	-811.4	-2635.1	-601.4	-1613.0	-811.9	-2636.2	-608.3	-1627.1
c3mpyr-ntf2-p1	-56.6	-35.3	-2739.0	-7499.7	-811.6	-2634.3	-1902.9	-4833.2	-812.1	-2635.5	-1909.5	-4846.3
c3mpyr-ntf2-p2	-42.1	-23.9	-2733.1	-7489.2	-811.3	-2634.1	-1902.7	-4832.0	-811.7	-2635.0	-1908.3	-4843.3
c3mpyr-ntf2-p3	-54.1	-33.5	-2737.7	-7497.9	-811.2	-2634.1	-1902.9	-4833.2	-811.7	-2635.2	-1909.3	-4845.9
c3mpyr-ntf2-p4	-54.5	-34.2	-2737.9	-7498.1	-811.4	-2634.3	-1902.9	-4833.0	-811.8	-2635.3	-1909.1	-4845.5
c3mpyr-ntf2-p5	-44.9	-24.9	-2733.6	-7490.9	-811.1	-2633.9	-1902.7	-4832.0	-811.5	-2635.0	-1908.9	-4844.3
c3mpyr-ntf2-p6	-44.9	-24.5	-2734.0	-7491.4	-811.4	-2634.2	-1902.8	-4832.0	-811.8	-2635.2	-1909.1	-4844.7
c3mpyr-pf6-p1	-39.3	-17.8	-1745.3	-5039.8	-811.1	-2634.0	-917.9	-2382.7	-811.5	-2634.9	-924.6	-2396.3
c3mpyr-pf6-p2	-36.4	-16.5	-1744.4	-5038.3	-811.4	-2634.3	-917.9	-2382.8	-811.8	-2635.1	-924.0	-2395.3
c3mpyr-pf6-p3	-36.3	-16.7	-1744.2	-5038.3	-811.3	-2634.2	-917.9	-2382.8	-811.6	-2635.0	-924.0	-2395.2
c3mpyr-tos-p1	-43.2	-18.6	-1997.8	-5754.3	-811.2	-2634.5	-1166.5	-3096.7	-811.7	-2635.8	-1174.2	-3111.8
c3mpyr-tos-p2	-39.3	-16.7	-1996.6	-5752.8	-811.8	-2635.0	-1166.5	-3096.8	-812.3	-2636.2	-1173.6	-3110.6
c4mim-bf4-p1	-37.9	-15.3	-1563.0	-4432.4	-936.7	-2821.5	-611.2	-1588.1	-937.5	-2823.6	-617.6	-1601.4
c4mim-bf4-p2	-36.8	-15.5	-1562.3	-4431.4	-936.5	-2821.0	-611.2	-1588.1	-937.3	-2823.1	-617.2	-1600.6
c4mim-br-p1	-38.6	-23.1	-1056.7	-3091.9	-938.7	-2833.1	-101.1	-237.0	-939.3	-2834.4	-104.7	-247.1
c4mim-br-p2	-29.0	-16.3	-1054.4	-3087.1	-939.4	-2835.1	-101.1	-237.0	-939.7	-2835.8	-104.1	-245.7
c4mim-br-p3	-32.1	-18.4	-1055.5	-3088.4	-939.1	-2834.6	-101.1	-237.0	-939.3	-2835.3	-104.5	-246.4
c4mim-br-p4	-39.8	-23.8	-1057.0	-3092.6	-938.7	-2833.0	-101.1	-237.0	-939.2	-2834.3	-104.9	-247.3
c4mim-cl-p1	-34.7	-16.7	-1049.2	-3109.8	-938.6	-2832.9	-96.2	-256.6	-939.1	-2834.1	-100.5	-268.5
c4mim-cl-p2	-28.6	-13.7	-1049.1	-3107.6	-939.6	-2835.7	-96.2	-256.6	-939.9	-2836.4	-99.8	-267.0
c4mim-cl-p3	-31.0	-14.7	-1049.7	-3108.3	-939.2	-2835.1	-96.2	-256.6	-939.5	-2835.7	-100.3	-267.9
c4mim-cl-p4	-35.4	-16.9	-1049.2	-3110.1	-938.5	-2832.6	-96.2	-256.6	-939.0	-2833.9	-100.8	-268.7
c4mim-dca-p1	-58.7	-44.1	-1496.8	-4228.6	-936.6	-2822.0	-533.6	-1374.4	-937.7	-2824.6	-537.1	-1381.8

c4mim-dca-p2	-61.8	-46.0	-1498.7	-4229.9	-936.8	-2822.2	-533.7	-1374.1	-937.9	-2824.8	-537.6	-1382.3
c4mim-dca-p3	-56.9	-42.6	-1495.2	-4226.9	-936.2	-2821.2	-533.6	-1374.1	-937.2	-2823.9	-537.0	-1381.3
c4mim-mes-p1	-53.7	-24.7	-1562.6	-4463.7	-937.4	-2822.8	-601.2	-1611.2	-938.3	-2824.9	-609.8	-1628.5
c4mim-mes-p2	-46.0	-20.2	-1557.7	-4458.2	-936.3	-2821.0	-601.2	-1611.4	-937.1	-2823.1	-608.9	-1626.6
c4mim-pf6-p1	-44.3	-18.4	-1872.3	-5230.4	-936.7	-2821.6	-917.8	-2382.3	-937.3	-2823.4	-925.7	-2397.9
c4mim-pf6-p2	-37.6	-16.4	-1868.5	-5225.6	-936.0	-2820.4	-917.8	-2382.4	-936.6	-2822.0	-924.1	-2395.1
c4mim-tos-p1	-52.9	-24.2	-2128.2	-5947.2	-937.3	-2822.7	-1167.0	-3095.4	-938.3	-2825.1	-1175.5	-3112.3
c4mim-tos-p2	-49.0	-22.8	-2126.2	-5944.4	-937.1	-2822.1	-1167.0	-3095.4	-938.1	-2824.5	-1174.7	-3110.6
c4mpyr-bf4-p1	-37.8	-17.1	-1526.2	-4531.1	-899.6	-2922.3	-610.9	-1586.7	-900.0	-2923.4	-617.0	-1599.8
c4mpyr-bf4-p2	-35.8	-16.4	-1525.7	-4530.4	-899.9	-2922.7	-610.9	-1586.7	-900.4	-2923.8	-616.6	-1599.0
c4mpyr-bf4-p3	-34.9	-16.5	-1525.2	-4529.7	-899.7	-2922.6	-610.9	-1586.7	-900.1	-2923.6	-616.3	-1598.4
c4mpyr-br-p1	-41.2	-27.7	-1019.8	-3183.3	-900.2	-2923.5	-101.1	-237.0	-900.5	-2924.1	-104.5	-246.3
c4mpyr-br-p2	-39.0	-26.3	-1018.6	-3182.3	-900.1	-2923.7	-101.1	-237.0	-900.3	-2924.2	-104.3	-245.7
c4mpyr-br-p3	-39.2	-26.5	-1018.8	-3182.4	-900.2	-2923.7	-101.1	-237.0	-900.4	-2924.2	-104.2	-245.8
c4mpyr-cl-p1	-37.9	-22.7	-1012.8	-3201.8	-900.2	-2923.6	-96.2	-256.6	-900.5	-2924.1	-100.0	-267.2
c4mpyr-cl-p2	-37.6	-22.7	-1012.5	-3201.9	-900.0	-2924.0	-96.2	-256.6	-900.3	-2924.5	-99.9	-267.0
c4mpyr-cl-p3	-36.5	-22.2	-1012.1	-3201.2	-900.2	-2923.8	-96.2	-256.6	-900.4	-2924.3	-99.7	-266.7
c4mpyr-dca-p1	-41.3	-30.6	-1445.7	-4302.6	-899.8	-2922.4	-527.0	-1357.8	-900.3	-2923.7	-529.9	-1363.8
c4mpyr-dca-p2	-43.2	-31.4	-1447.2	-4303.2	-899.7	-2922.8	-527.1	-1357.7	-900.3	-2924.1	-530.3	-1364.4
c4mpyr-dca-p3	-41.9	-29.8	-1446.7	-4302.2	-899.8	-2922.7	-527.1	-1357.5	-900.2	-2923.8	-530.5	-1364.6
c4mpyr-dca-p4	-42.8	-31.4	-1446.7	-4303.3	-899.7	-2922.7	-527.0	-1357.7	-900.3	-2924.0	-530.1	-1364.0
c4mpyr-dca-p5	-44.2	-32.3	-1447.4	-4304.0	-899.8	-2922.7	-527.0	-1357.7	-900.3	-2924.0	-530.3	-1364.5
c4mpyr-mes-p1	-46.8	-21.2	-1522.2	-4561.2	-899.6	-2922.7	-601.4	-1613.0	-900.1	-2923.8	-609.4	-1628.9
c4mpyr-mes-p2	-43.2	-19.4	-1521.2	-4560.0	-900.2	-2923.3	-601.4	-1613.1	-900.7	-2924.4	-608.8	-1627.9
c4mpyr-mes-p3	-42.3	-19.5	-1520.6	-4559.2	-899.8	-2923.3	-601.4	-1613.0	-900.3	-2924.4	-608.3	-1627.2
c4mpyr-ntf2-p1	-56.7	-35.4	-2827.3	-7787.7	-899.9	-2922.4	-1902.9	-4833.1	-900.4	-2923.6	-1909.5	-4846.1
c4mpyr-ntf2-p2	-47.8	-26.9	-2823.4	-7780.4	-899.6	-2922.1	-1902.7	-4831.7	-900.0	-2923.2	-1909.1	-4844.5
c4mpyr-ntf2-p3	-55.3	-34.3	-2826.7	-7786.7	-899.6	-2922.4	-1902.9	-4833.2	-900.1	-2923.5	-1909.4	-4846.1
c4mpyr-ntf2-p4	-55.5	-35.0	-2826.7	-7786.9	-899.7	-2922.4	-1902.9	-4833.1	-900.2	-2923.5	-1909.3	-4845.7
c4mpyr-ntf2-p5	-45.4	-25.3	-2822.2	-7779.3	-899.4	-2922.1	-1902.7	-4831.9	-899.8	-2923.2	-1908.9	-4844.3
c4mpyr-ntf2-p6	-46.1	-25.4	-2822.9	-7780.1	-899.8	-2922.4	-1902.8	-4832.0	-900.2	-2923.4	-1909.2	-4844.8
c4mpyr-pf6-p1	-39.4	-17.8	-1833.7	-5328.0	-899.5	-2922.2	-917.9	-2382.7	-899.9	-2923.1	-924.6	-2396.4
c4mpyr-pf6-p2	-36.7	-16.7	-1832.9	-5326.7	-899.8	-2922.5	-917.9	-2382.8	-900.2	-2923.3	-924.1	-2395.4
c4mpyr-pf6-p3	-36.5	-16.7	-1832.6	-5326.6	-899.7	-2922.4	-917.9	-2382.8	-900.0	-2923.2	-924.0	-2395.3
c4mpyr-tos-p1	-43.4	-18.8	-2086.3	-6042.7	-899.6	-2922.7	-1166.6	-3096.8	-900.1	-2924.0	-1174.3	-3111.9
c4mpyr-tos-p2	-39.9	-17.1	-2085.3	-6041.5	-900.2	-2923.2	-1166.6	-3096.9	-900.7	-2924.4	-1173.7	-3110.9

2.2.6 JCCD basis set

Table S 7: Raw JCCD energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-29.6	-15.3	-1315.4	-3614.1	-673.5	-1967.3	-629.8	-1629.3	-675.2	-1971.9	-632.1	-1635.0
clmim-br-p1	-43.5	-24.9	-799.1	-2246.5	-676.1	-1977.5	-103.6	-244.9	-676.6	-1978.9	-108.4	-256.8
clmim-br-p2	-26.3	-12.5	-792.5	-2236.0	-675.7	-1978.0	-103.6	-244.9	-675.9	-1978.7	-107.2	-254.2
clmim-cl-p1	-36.2	-17.5	-791.7	-2265.5	-675.9	-1977.1	-99.8	-268.2	-676.4	-1978.5	-104.7	-280.1
clmim-cl-p2	-24.2	-9.5	-788.3	-2258.5	-675.9	-1978.7	-99.8	-268.2	-676.1	-1979.4	-103.7	-278.1
clmim-dca-p1	-59.4	-43.0	-1242.8	-3394.2	-674.1	-1968.9	-542.3	-1392.4	-675.4	-1972.5	-545.5	-1400.6
clmim-dca-p2	-41.8	-29.7	-1236.0	-3385.0	-674.2	-1970.3	-542.1	-1392.6	-674.9	-1972.4	-544.6	-1399.4
clmim-mes-p1	-39.8	-21.1	-1313.4	-3642.3	-674.0	-1968.3	-621.0	-1652.6	-675.4	-1972.0	-625.1	-1662.0
clmim-ntf2-p1	-72.6	-47.5	-2656.4	-6943.4	-673.6	-1967.5	-1952.0	-4934.1	-676.2	-1974.9	-1956.4	-4944.7
clmim-ntf2-p2	-40.8	-23.6	-2644.2	-6924.2	-674.0	-1969.9	-1951.3	-4932.4	-675.3	-1973.8	-1954.8	-4940.9
clmim-ntf2-p3	-41.8	-21.7	-2644.6	-6924.2	-673.6	-1968.5	-1951.8	-4933.0	-675.7	-1974.4	-1955.5	-4941.5
clmim-pf6-p1	-33.4	-16.5	-1635.7	-4434.7	-673.6	-1967.5	-948.5	-2447.4	-675.3	-1972.3	-951.7	-2454.6
clmim-tos-p1	-40.2	-20.6	-1882.8	-5135.9	-673.8	-1968.0	-1190.8	-3146.0	-675.4	-1972.5	-1194.9	-3155.3
clmpyr-bf4-p1	-27.5	-15.8	-1276.0	-3704.7	-634.1	-2062.0	-629.4	-1627.7	-635.2	-2064.9	-631.6	-1633.2
clmpyr-bf4-p2	-25.3	-14.6	-1275.2	-3703.7	-634.3	-2062.2	-629.4	-1627.7	-635.1	-2064.5	-631.6	-1633.1
clmpyr-br-p1	-44.3	-27.5	-758.6	-2332.2	-634.8	-2063.2	-103.6	-244.9	-635.1	-2064.1	-108.1	-256.0
clmpyr-br-p2	-41.6	-25.8	-757.4	-2331.0	-634.8	-2063.5	-103.6	-244.9	-635.0	-2064.3	-107.8	-255.4
clmpyr-cl-p1	-39.2	-22.1	-752.6	-2352.8	-634.8	-2063.3	-99.8	-268.2	-635.1	-2064.2	-104.6	-279.4
clmpyr-cl-p2	-37.1	-21.0	-751.7	-2351.8	-634.8	-2063.6	-99.8	-268.2	-635.1	-2064.3	-104.3	-278.8
clmpyr-dca-p1	-40.0	-28.3	-1189.3	-3459.5	-634.6	-2062.8	-535.6	-1375.7	-635.4	-2064.8	-538.1	-1382.2
clmpyr-dca-p2	-44.1	-31.7	-1190.5	-3462.3	-634.5	-2062.5	-535.6	-1376.2	-635.2	-2064.6	-538.3	-1383.0
clmpyr-dca-p3	-40.1	-29.8	-1187.4	-3461.8	-634.2	-2062.3	-535.6	-1377.0	-635.0	-2064.6	-537.6	-1382.3
clmpyr-dca-p4	-43.4	-30.4	-1189.8	-3462.0	-634.2	-2062.3	-535.6	-1376.2	-635.1	-2064.6	-538.4	-1383.3
clmpyr-mes-p1	-34.7	-18.7	-1272.5	-3734.3	-634.2	-2062.5	-621.1	-1654.3	-635.1	-2065.1	-624.9	-1663.0
clmpyr-mes-p2	-30.9	-15.8	-1271.0	-3732.6	-634.4	-2063.0	-621.1	-1654.3	-635.1	-2065.0	-624.9	-1662.8
clmpyr-ntf2-p1	-50.3	-32.7	-2607.2	-7025.1	-634.4	-2062.0	-1951.1	-4934.5	-635.9	-2066.2	-1954.6	-4942.9
clmpyr-ntf2-p2	-37.7	-21.8	-2601.9	-7015.8	-634.2	-2061.7	-1950.9	-4933.2	-635.6	-2065.9	-1953.9	-4940.4
clmpyr-ntf2-p3	-49.2	-31.5	-2606.8	-7024.2	-634.4	-2062.2	-1951.0	-4934.2	-635.8	-2066.1	-1954.7	-4942.8
clmpyr-ntf2-p5	-38.0	-22.5	-2602.3	-7015.8	-634.3	-2062.0	-1950.8	-4932.9	-635.8	-2065.9	-1953.8	-4940.1
clmpyr-pf6-p1	-29.7	-15.7	-1595.8	-4526.3	-634.1	-2061.9	-948.6	-2447.8	-635.2	-2064.9	-951.6	-2454.6
clmpyr-pf6-p2	-27.4	-14.3	-1594.9	-4525.3	-634.3	-2062.0	-948.6	-2447.9	-635.2	-2064.5	-951.6	-2454.5
clmpyr-tos-p1	-33.6	-17.3	-1841.1	-5226.3	-634.2	-2062.5	-1190.2	-3147.0	-635.3	-2065.6	-1193.9	-3155.4
clmpyr-tos-p2	-30.1	-14.5	-1839.2	-5224.9	-634.3	-2062.6	-1190.1	-3146.9	-635.2	-2065.1	-1193.9	-3155.3

c2mim-bf4-p1	-31.0	-16.1	-1406.8	-3904.8	-764.1	-2257.4	-629.8	-1629.3	-765.8	-2262.0	-632.2	-1635.5
c2mim-bf4-p2	-29.2	-15.0	-1405.4	-3903.2	-763.6	-2256.7	-629.8	-1629.3	-765.2	-2261.1	-632.1	-1635.2
c2mim-br-p1	-45.5	-25.8	-889.9	-2537.5	-766.1	-2267.3	-103.6	-244.9	-766.7	-2268.7	-108.7	-257.6
c2mim-br-p2	-30.2	-15.0	-885.4	-2529.7	-766.9	-2269.6	-103.6	-244.9	-767.1	-2270.4	-107.6	-255.0
c2mim-br-p3	-30.6	-15.4	-884.8	-2529.1	-766.1	-2268.7	-103.6	-244.9	-766.3	-2269.4	-107.7	-255.1
c2mim-br-p4	-45.6	-26.2	-890.3	-2538.2	-766.5	-2267.9	-103.6	-244.9	-767.1	-2269.4	-108.6	-257.3
c2mim-cl-p1	-38.3	-18.4	-882.7	-2556.8	-766.0	-2267.1	-99.8	-268.2	-766.5	-2268.5	-105.1	-280.9
c2mim-cl-p2	-27.0	-11.2	-880.7	-2551.6	-767.1	-2270.2	-99.8	-268.2	-767.4	-2271.1	-104.0	-278.7
c2mim-cl-p3	-27.5	-11.6	-880.1	-2551.1	-766.3	-2269.3	-99.8	-268.2	-766.6	-2270.0	-104.1	-278.8
c2mim-cl-p4	-37.8	-18.5	-882.7	-2557.0	-766.3	-2267.5	-99.8	-268.2	-766.8	-2268.9	-104.9	-280.5
c2mim-dca-p1	-62.4	-44.9	-1333.7	-3685.7	-763.9	-2257.9	-542.3	-1392.9	-765.3	-2261.9	-545.7	-1401.7
c2mim-dca-p2	-58.5	-41.6	-1332.5	-3683.1	-764.2	-2258.0	-542.3	-1392.7	-765.5	-2261.8	-545.6	-1401.1
c2mim-dca-p3	-61.9	-44.7	-1334.3	-3684.9	-764.3	-2258.1	-542.4	-1392.6	-765.7	-2261.9	-545.7	-1401.2
c2mim-dca-p4	-59.2	-42.4	-1332.6	-3683.5	-764.0	-2258.0	-542.3	-1392.6	-765.4	-2261.7	-545.6	-1401.1
c2mim-dca-p5	-60.4	-43.3	-1333.2	-3684.1	-764.0	-2258.1	-542.4	-1392.4	-765.4	-2261.8	-545.7	-1401.1
c2mim-dca-p6	-60.8	-43.8	-1333.0	-3684.5	-764.0	-2257.7	-542.4	-1392.6	-765.4	-2261.5	-545.7	-1401.1
c2mim-mes-p1	-45.0	-24.9	-1406.5	-3935.2	-764.8	-2258.5	-620.9	-1652.5	-766.3	-2262.7	-625.3	-1662.4
c2mim-mes-p2	-41.5	-21.7	-1403.8	-3932.7	-763.9	-2257.4	-621.0	-1652.7	-765.3	-2261.2	-625.5	-1662.8
c2mim-ntf2-p1	-80.0	-51.7	-2750.1	-7237.7	-764.2	-2257.6	-1951.9	-4934.0	-767.0	-2265.6	-1957.1	-4946.3
c2mim-ntf2-p2	-52.1	-30.8	-2739.6	-7221.6	-764.4	-2259.6	-1951.6	-4933.4	-766.2	-2264.5	-1956.0	-4943.6
c2mim-ntf2-p3	-45.1	-23.6	-2736.5	-7215.5	-764.0	-2258.3	-1951.8	-4932.9	-766.1	-2264.2	-1955.8	-4942.3
c2mim-ntf2-p4	-69.8	-44.1	-2746.0	-7231.9	-763.9	-2257.5	-1952.2	-4934.4	-766.5	-2264.6	-1957.0	-4945.6
c2mim-pf6-p1	-36.7	-18.3	-1727.6	-4726.2	-764.0	-2257.4	-948.5	-2447.3	-765.9	-2262.3	-952.0	-2455.4
c2mim-pf6-p2	-34.2	-16.8	-1725.9	-4724.4	-763.6	-2256.7	-948.5	-2447.4	-765.4	-2261.4	-951.8	-2455.0
c2mim-tos-p1	-46.5	-25.2	-1976.6	-5429.4	-764.7	-2258.4	-1190.7	-3145.8	-766.6	-2263.5	-1195.0	-3155.7
c2mim-tos-p2	-41.3	-21.1	-1973.5	-5425.8	-763.9	-2257.5	-1190.7	-3145.9	-765.6	-2262.0	-1195.0	-3155.7
c2mpyr-bf4-p1	-28.9	-16.3	-1368.3	-3997.9	-726.0	-2354.3	-629.4	-1627.6	-727.1	-2357.4	-631.8	-1633.6
c2mpyr-bf4-p2	-27.3	-15.4	-1368.1	-3997.5	-726.4	-2354.7	-629.4	-1627.7	-727.6	-2357.7	-631.6	-1633.3
c2mpyr-bf4-p3	-26.9	-15.1	-1367.6	-3997.0	-726.1	-2354.5	-629.4	-1627.7	-727.0	-2357.1	-631.8	-1633.6
c2mpyr-br-p1	-46.7	-28.6	-851.3	-2625.9	-726.6	-2355.5	-103.6	-244.9	-727.0	-2356.4	-108.4	-256.8
c2mpyr-br-p2	-44.3	-27.3	-850.3	-2625.1	-726.5	-2356.1	-103.6	-244.9	-726.8	-2356.9	-108.2	-256.2
c2mpyr-br-p3	-43.6	-26.8	-849.9	-2624.3	-726.5	-2355.6	-103.6	-244.9	-726.8	-2356.4	-108.1	-256.0
c2mpyr-cl-p1	-41.2	-22.9	-845.1	-2646.3	-726.7	-2355.5	-99.8	-268.2	-727.0	-2356.5	-104.9	-280.1
c2mpyr-cl-p2	-39.2	-22.1	-844.1	-2645.4	-726.4	-2355.9	-99.8	-268.2	-726.7	-2356.7	-104.6	-279.4
c2mpyr-cl-p3	-38.5	-21.6	-844.0	-2644.9	-726.6	-2355.7	-99.8	-268.2	-726.9	-2356.6	-104.5	-279.3
c2mpyr-dca-p1	-41.0	-28.7	-1281.4	-3752.4	-726.4	-2355.0	-535.6	-1375.8	-727.3	-2357.2	-538.2	-1382.5
c2mpyr-dca-p2	-45.4	-31.7	-1282.8	-3755.3	-726.1	-2354.7	-535.7	-1376.2	-727.0	-2357.1	-538.6	-1383.7
c2mpyr-dca-p3	-45.2	-32.3	-1282.6	-3755.3	-726.2	-2354.7	-535.6	-1376.2	-727.1	-2357.0	-538.4	-1383.2
c2mpyr-mes-p1	-37.7	-19.9	-1365.3	-4028.5	-726.0	-2354.8	-621.1	-1654.3	-727.1	-2357.6	-625.3	-1663.8

c2mpyr-mes-p2	-34.6	-18.0	-1364.5	-4027.5	-726.6	-2355.2	-621.1	-1654.4	-727.7	-2357.9	-625.1	-1663.3
c2mpyr-mes-p3	-34.0	-17.2	-1363.9	-4026.9	-726.2	-2355.2	-621.1	-1654.3	-727.0	-2357.5	-625.4	-1663.8
c2mpyr-ntf2-p1	-52.5	-33.6	-2699.9	-7318.6	-726.3	-2354.1	-1951.2	-4934.6	-727.9	-2358.6	-1955.0	-4943.6
c2mpyr-ntf2-p2	-40.3	-23.4	-2694.9	-7309.7	-726.0	-2354.0	-1951.0	-4933.4	-727.6	-2358.4	-1954.2	-4941.1
c2mpyr-ntf2-p3	-51.4	-32.5	-2699.5	-7317.8	-726.1	-2354.2	-1951.1	-4934.4	-727.8	-2358.7	-1954.9	-4943.4
c2mpyr-ntf2-p4	-50.8	-32.1	-2699.1	-7317.8	-726.1	-2354.3	-1951.1	-4934.5	-727.6	-2358.5	-1955.0	-4943.7
c2mpyr-ntf2-p5	-41.8	-24.5	-2695.4	-7310.5	-725.9	-2354.1	-1950.9	-4933.2	-727.6	-2358.7	-1954.1	-4940.9
c2mpyr-ntf2-p6	-38.8	-22.8	-2694.5	-7309.0	-726.2	-2354.3	-1951.0	-4933.3	-727.7	-2358.4	-1954.0	-4940.6
c2mpyr-pf6-p1	-31.3	-16.2	-1688.5	-4819.7	-726.2	-2354.4	-948.6	-2447.8	-727.3	-2357.6	-951.9	-2455.1
c2mpyr-pf6-p2	-29.2	-15.2	-1687.6	-4818.7	-726.2	-2354.4	-948.6	-2447.9	-727.4	-2357.5	-951.6	-2454.7
c2mpyr-pf6-p3	-28.9	-14.9	-1687.3	-4818.5	-726.1	-2354.3	-948.6	-2447.9	-727.1	-2357.1	-951.8	-2455.0
c2mpyr-tos-p1	-36.8	-18.8	-1934.1	-5520.7	-726.0	-2354.7	-1190.2	-3147.1	-727.3	-2358.1	-1194.4	-3156.3
c2mpyr-tos-p2	-34.4	-17.0	-1933.3	-5520.0	-726.6	-2355.1	-1190.2	-3147.1	-727.8	-2358.4	-1194.2	-3156.0
c3mim-bf4-p1	-32.0	-16.5	-1496.4	-4194.3	-853.3	-2546.4	-629.8	-1629.3	-855.0	-2551.2	-632.3	-1635.7
c3mim-bf4-p2	-31.7	-16.4	-1496.1	-4194.1	-853.2	-2546.2	-629.8	-1629.3	-854.9	-2550.9	-632.3	-1635.6
c3mim-br-p1	-46.6	-26.3	-979.6	-2828.2	-855.4	-2557.3	-103.6	-244.9	-856.0	-2558.7	-108.8	-258.0
c3mim-br-p2	-31.1	-15.5	-974.8	-2819.9	-855.9	-2559.3	-103.6	-244.9	-856.2	-2560.1	-107.7	-255.3
c3mim-br-p3	-34.2	-18.1	-975.8	-2821.0	-855.4	-2558.6	-103.6	-244.9	-855.7	-2559.4	-107.9	-255.7
c3mim-br-p4	-47.5	-27.0	-980.0	-2828.9	-855.5	-2557.5	-103.6	-244.9	-856.1	-2559.0	-108.8	-258.0
c3mim-cl-p1	-39.3	-18.9	-972.4	-2847.2	-855.2	-2557.0	-99.8	-268.2	-855.8	-2558.4	-105.2	-281.3
c3mim-cl-p2	-27.7	-11.5	-970.0	-2841.8	-856.1	-2559.9	-99.8	-268.2	-856.4	-2560.8	-104.1	-279.0
c3mim-cl-p3	-30.2	-13.4	-970.5	-2842.4	-855.6	-2559.1	-99.8	-268.2	-855.9	-2559.9	-104.4	-279.3
c3mim-cl-p4	-39.5	-19.0	-972.2	-2847.6	-855.3	-2557.0	-99.8	-268.2	-855.8	-2558.6	-105.2	-281.2
c3mim-dca-p1	-64.0	-45.8	-1423.5	-3975.5	-853.0	-2546.7	-542.3	-1393.0	-854.5	-2550.8	-545.8	-1402.1
c3mim-dca-p2	-64.4	-46.4	-1424.0	-3976.2	-853.5	-2547.4	-542.3	-1392.7	-855.0	-2551.6	-545.7	-1401.5
c3mim-dca-p3	-52.4	-37.9	-1419.9	-3969.7	-853.7	-2548.4	-542.2	-1392.9	-854.6	-2551.2	-545.1	-1400.7
c3mim-dca-p4	-65.1	-47.2	-1424.7	-3975.6	-853.3	-2547.0	-542.3	-1392.5	-854.7	-2551.0	-545.8	-1401.6
c3mim-dca-p5	-62.4	-44.7	-1422.2	-3974.1	-852.7	-2546.2	-542.2	-1392.6	-854.2	-2550.4	-545.6	-1401.3
c3mim-dca-p6	-61.4	-44.0	-1421.9	-3973.6	-852.8	-2546.3	-542.4	-1392.6	-854.3	-2550.2	-545.7	-1401.4
c3mim-mes-p1	-47.7	-26.5	-1497.1	-4225.9	-854.0	-2547.8	-620.9	-1652.5	-855.6	-2552.1	-625.6	-1663.1
c3mim-mes-p2	-42.5	-22.1	-1493.1	-4222.1	-852.9	-2546.1	-621.0	-1652.7	-854.3	-2550.0	-625.6	-1663.1
c3mim-ntf2-p1	-84.3	-54.2	-2841.1	-7529.2	-853.3	-2546.6	-1952.0	-4934.1	-856.3	-2554.8	-1957.6	-4947.3
c3mim-ntf2-p2	-56.8	-33.7	-2830.7	-7513.0	-853.5	-2548.4	-1951.6	-4933.3	-855.4	-2553.7	-1956.4	-4944.5
c3mim-ntf2-p3	-47.3	-24.9	-2826.6	-7505.8	-853.1	-2547.2	-1951.8	-4932.9	-855.3	-2553.4	-1956.0	-4942.9
c3mim-ntf2-p4	-71.8	-45.8	-2835.3	-7521.8	-852.8	-2545.8	-1952.2	-4934.6	-855.4	-2553.0	-1957.1	-4945.9
c3mim-pf6-p1	-39.2	-19.9	-1817.1	-5016.4	-852.9	-2546.0	-948.4	-2447.1	-854.8	-2551.1	-952.1	-2455.6
c3mim-pf6-p2	-34.7	-16.9	-1815.0	-5013.5	-852.6	-2545.4	-948.5	-2447.4	-854.3	-2550.2	-951.9	-2455.2
c3mim-tos-p1	-50.0	-27.3	-2067.3	-5720.5	-853.8	-2547.5	-1190.7	-3145.8	-855.9	-2552.9	-1195.3	-3156.4
c3mim-tos-p2	-48.4	-25.8	-2065.6	-5718.7	-853.1	-2546.3	-1190.7	-3145.9	-854.9	-2551.4	-1195.5	-3156.7

c3mpyr-bf4-p1	-29.6	-16.6	-1457.8	-4288.4	-815.2	-2644.3	-629.4	-1627.6	-816.4	-2647.5	-631.8	-1633.8
c3mpyr-bf4-p2	-27.9	-15.5	-1457.4	-4287.8	-815.5	-2644.6	-629.4	-1627.7	-816.7	-2647.6	-631.7	-1633.6
c3mpyr-bf4-p3	-27.7	-15.4	-1457.0	-4287.5	-815.3	-2644.5	-629.4	-1627.7	-816.3	-2647.2	-631.9	-1633.8
c3mpyr-br-p1	-48.0	-29.4	-941.1	-2916.7	-815.8	-2645.5	-103.6	-244.9	-816.2	-2646.5	-108.5	-257.1
c3mpyr-br-p2	-44.6	-27.3	-939.4	-2915.0	-815.7	-2645.6	-103.6	-244.9	-816.0	-2646.5	-108.2	-256.3
c3mpyr-br-p3	-44.9	-27.5	-939.6	-2915.2	-815.8	-2645.7	-103.6	-244.9	-816.1	-2646.5	-108.2	-256.4
c3mpyr-cl-p1	-42.2	-23.4	-934.7	-2937.0	-815.9	-2645.6	-99.8	-268.2	-816.3	-2646.6	-105.0	-280.4
c3mpyr-cl-p2	-40.3	-22.5	-933.7	-2936.0	-815.7	-2645.8	-99.8	-268.2	-816.0	-2646.6	-104.7	-279.9
c3mpyr-cl-p3	-39.4	-22.0	-933.5	-2935.5	-815.8	-2645.8	-99.8	-268.2	-816.2	-2646.6	-104.6	-279.6
c3mpyr-dca-p1	-42.5	-30.0	-1371.1	-4043.3	-815.5	-2644.7	-535.7	-1376.0	-816.3	-2647.0	-538.3	-1382.9
c3mpyr-dca-p2	-45.9	-31.8	-1372.2	-4045.7	-815.3	-2644.7	-535.7	-1376.2	-816.2	-2647.1	-538.7	-1383.9
c3mpyr-dca-p3	-39.9	-29.2	-1368.5	-4044.5	-815.4	-2644.7	-535.8	-1377.3	-816.4	-2647.3	-537.7	-1382.5
c3mpyr-dca-p4	-44.0	-30.9	-1371.2	-4044.9	-815.6	-2644.8	-535.6	-1376.1	-816.4	-2647.2	-538.3	-1383.2
c3mpyr-dca-p5	-45.6	-32.3	-1371.9	-4045.6	-815.4	-2644.7	-535.6	-1376.2	-816.3	-2647.1	-538.4	-1383.4
c3mpyr-mes-p1	-39.0	-20.7	-1455.0	-4319.4	-815.2	-2644.7	-621.1	-1654.3	-816.4	-2647.7	-625.5	-1664.1
c3mpyr-mes-p2	-35.6	-18.3	-1454.0	-4318.1	-815.8	-2645.1	-621.1	-1654.4	-816.9	-2647.9	-625.3	-1663.7
c3mpyr-mes-p3	-35.3	-17.9	-1453.6	-4317.7	-815.4	-2645.2	-621.1	-1654.3	-816.4	-2647.7	-625.4	-1664.0
c3mpyr-ntf2-p1	-55.0	-35.0	-2790.3	-7610.3	-815.5	-2644.4	-1951.2	-4934.5	-817.3	-2649.2	-1955.1	-4944.1
c3mpyr-ntf2-p2	-40.8	-23.6	-2784.6	-7599.8	-815.3	-2644.2	-1950.9	-4933.2	-816.9	-2648.6	-1954.2	-4941.1
c3mpyr-ntf2-p3	-52.3	-32.9	-2789.0	-7608.4	-815.2	-2644.2	-1951.2	-4934.5	-816.9	-2648.8	-1955.1	-4943.8
c3mpyr-ntf2-p4	-53.4	-33.6	-2789.4	-7609.2	-815.3	-2644.4	-1951.1	-4934.4	-816.9	-2648.8	-1955.2	-4944.1
c3mpyr-ntf2-p5	-42.4	-24.6	-2784.7	-7600.8	-815.1	-2644.0	-1950.9	-4933.1	-816.8	-2648.8	-1954.2	-4941.1
c3mpyr-ntf2-p6	-41.0	-24.1	-2784.6	-7600.3	-815.4	-2644.3	-1951.0	-4933.2	-816.9	-2648.7	-1954.2	-4941.0
c3mpyr-pf6-p1	-32.4	-16.8	-1777.7	-5110.3	-815.1	-2644.1	-948.6	-2447.8	-816.4	-2647.5	-951.9	-2455.3
c3mpyr-pf6-p2	-29.9	-15.3	-1777.0	-5109.1	-815.4	-2644.3	-948.6	-2447.8	-816.6	-2647.4	-951.7	-2455.0
c3mpyr-pf6-p3	-29.8	-15.3	-1776.8	-5109.1	-815.3	-2644.3	-948.6	-2447.9	-816.3	-2647.2	-951.9	-2455.2
c3mpyr-tos-p1	-38.7	-19.7	-2023.8	-5811.8	-815.2	-2644.7	-1190.1	-3146.9	-816.5	-2648.2	-1194.5	-3156.7
c3mpyr-tos-p2	-35.5	-17.4	-2022.8	-5810.6	-815.8	-2645.0	-1190.1	-3147.0	-817.0	-2648.4	-1194.3	-3156.4
c4mim-bf4-p1	-32.8	-16.9	-1585.7	-4483.7	-942.2	-2835.3	-629.8	-1629.3	-944.0	-2840.1	-632.4	-1635.9
c4mim-bf4-p2	-32.1	-16.6	-1585.1	-4483.1	-942.1	-2834.9	-629.8	-1629.3	-943.8	-2839.7	-632.4	-1635.7
c4mim-br-p1	-47.8	-27.0	-1069.1	-3118.7	-944.4	-2847.1	-103.6	-244.9	-944.9	-2848.6	-109.0	-258.3
c4mim-br-p2	-32.3	-16.2	-1064.3	-3110.5	-944.9	-2849.1	-103.6	-244.9	-945.2	-2850.0	-107.8	-255.6
c4mim-br-p3	-36.2	-19.4	-1065.6	-3111.9	-944.5	-2848.4	-103.6	-244.9	-944.7	-2849.2	-108.1	-256.1
c4mim-br-p4	-48.4	-27.5	-1069.2	-3119.0	-944.4	-2847.0	-103.6	-244.9	-945.0	-2848.6	-108.9	-258.2
c4mim-cl-p1	-40.2	-19.4	-1061.7	-3137.5	-944.2	-2846.8	-99.8	-268.2	-944.8	-2848.2	-105.3	-281.5
c4mim-cl-p2	-28.6	-11.9	-1059.3	-3132.2	-945.2	-2849.7	-99.8	-268.2	-945.5	-2850.6	-104.2	-279.2
c4mim-cl-p3	-31.7	-14.3	-1060.2	-3133.1	-944.6	-2848.9	-99.8	-268.2	-944.9	-2849.7	-104.5	-279.7
c4mim-cl-p4	-40.3	-19.4	-1061.4	-3137.6	-944.2	-2846.6	-99.8	-268.2	-944.8	-2848.2	-105.3	-281.5
c4mim-dca-p1	-65.1	-46.5	-1512.9	-4265.1	-942.0	-2835.6	-542.3	-1393.0	-943.5	-2839.8	-545.9	-1402.3

c4mim-dca-p2	-67.1	-48.6	-1514.5	-4265.7	-942.3	-2835.9	-542.3	-1392.6	-943.8	-2840.0	-545.9	-1401.9
c4mim-dca-p3	-63.1	-45.1	-1511.3	-4263.4	-941.6	-2835.0	-542.2	-1392.7	-943.2	-2839.2	-545.6	-1401.5
c4mim-mes-p1	-49.2	-27.4	-1586.6	-4515.6	-942.9	-2836.6	-620.9	-1652.5	-944.6	-2841.1	-625.7	-1663.5
c4mim-mes-p2	-43.0	-22.2	-1582.1	-4511.1	-941.7	-2834.7	-621.0	-1652.7	-943.1	-2838.7	-625.7	-1663.4
c4mim-pf6-p1	-40.0	-19.9	-1907.2	-5306.1	-942.2	-2835.4	-948.5	-2447.3	-944.1	-2840.7	-952.4	-2456.3
c4mim-pf6-p2	-35.2	-17.0	-1904.0	-5302.6	-941.4	-2834.1	-948.5	-2447.4	-943.2	-2838.9	-952.0	-2455.5
c4mim-tos-p1	-52.6	-28.9	-2157.5	-6011.0	-942.8	-2836.5	-1190.7	-3145.8	-944.9	-2842.2	-1195.5	-3156.9
c4mim-tos-p2	-48.8	-26.7	-2155.6	-6008.4	-942.7	-2836.1	-1190.7	-3145.8	-944.6	-2841.2	-1195.3	-3156.2
c4mpyr-bf4-p1	-29.9	-16.7	-1546.8	-4578.0	-904.1	-2933.7	-629.4	-1627.7	-905.3	-2936.9	-631.9	-1633.9
c4mpyr-bf4-p2	-28.4	-15.7	-1546.4	-4577.6	-904.5	-2934.0	-629.4	-1627.7	-905.6	-2937.1	-631.8	-1633.7
c4mpyr-bf4-p3	-28.1	-15.6	-1546.1	-4577.3	-904.3	-2934.0	-629.4	-1627.7	-905.3	-2936.7	-631.9	-1633.9
c4mpyr-br-p1	-48.5	-29.7	-1030.2	-3206.5	-904.8	-2934.9	-103.6	-244.9	-905.2	-2935.9	-108.6	-257.3
c4mpyr-br-p2	-45.4	-27.7	-1028.6	-3205.0	-904.6	-2935.1	-103.6	-244.9	-905.0	-2936.0	-108.3	-256.6
c4mpyr-br-p3	-45.5	-27.8	-1028.8	-3205.0	-904.7	-2935.1	-103.6	-244.9	-905.1	-2936.0	-108.3	-256.6
c4mpyr-cl-p1	-42.5	-23.5	-1023.7	-3226.5	-904.8	-2934.9	-99.8	-268.2	-905.2	-2936.0	-105.1	-280.6
c4mpyr-cl-p2	-41.4	-23.0	-1023.1	-3226.3	-904.6	-2935.4	-99.8	-268.2	-904.9	-2936.3	-104.9	-280.3
c4mpyr-cl-p3	-39.7	-22.1	-1022.5	-3225.1	-904.8	-2935.2	-99.8	-268.2	-905.1	-2936.0	-104.6	-279.7
c4mpyr-dca-p1	-45.1	-31.0	-1459.9	-4335.2	-904.3	-2933.7	-535.6	-1376.4	-905.3	-2936.4	-538.6	-1383.9
c4mpyr-dca-p2	-46.3	-32.0	-1461.2	-4335.4	-904.3	-2934.2	-535.7	-1376.2	-905.2	-2936.7	-538.8	-1384.1
c4mpyr-dca-p3	-43.6	-30.6	-1460.3	-4333.4	-904.3	-2934.1	-535.7	-1376.0	-905.2	-2936.4	-538.4	-1383.1
c4mpyr-dca-p4	-46.3	-31.5	-1460.8	-4335.8	-904.3	-2934.1	-535.6	-1376.2	-905.3	-2936.9	-538.8	-1384.1
c4mpyr-dca-p5	-46.0	-32.5	-1461.0	-4335.3	-904.3	-2934.1	-535.6	-1376.2	-905.2	-2936.6	-538.5	-1383.5
c4mpyr-mes-p1	-39.4	-20.8	-1544.0	-4609.0	-904.2	-2934.1	-621.1	-1654.3	-905.3	-2937.1	-625.5	-1664.2
c4mpyr-mes-p2	-36.4	-18.7	-1543.1	-4608.1	-904.7	-2934.6	-621.1	-1654.4	-905.8	-2937.5	-625.3	-1663.9
c4mpyr-mes-p3	-35.8	-18.1	-1542.8	-4607.5	-904.4	-2934.7	-621.1	-1654.3	-905.3	-2937.2	-625.5	-1664.1
c4mpyr-ntf2-p1	-55.6	-35.2	-2879.3	-7900.0	-904.4	-2933.7	-1951.1	-4934.4	-906.2	-2938.6	-1955.2	-4944.1
c4mpyr-ntf2-p2	-47.3	-27.2	-2875.6	-7892.9	-904.1	-2933.4	-1950.8	-4932.9	-906.1	-2938.8	-1954.6	-4941.8
c4mpyr-ntf2-p3	-54.2	-33.9	-2878.8	-7899.1	-904.2	-2933.8	-1951.2	-4934.5	-905.9	-2938.5	-1955.3	-4944.3
c4mpyr-ntf2-p4	-55.0	-34.5	-2879.0	-7899.6	-904.3	-2933.8	-1951.1	-4934.4	-905.9	-2938.4	-1955.3	-4944.4
c4mpyr-ntf2-p5	-43.5	-25.2	-2874.0	-7891.0	-904.0	-2933.5	-1950.9	-4933.1	-905.8	-2938.4	-1954.3	-4941.3
c4mpyr-ntf2-p6	-43.1	-25.2	-2874.3	-7890.9	-904.3	-2933.7	-1950.9	-4933.1	-906.0	-2938.4	-1954.3	-4941.3
c4mpyr-pf6-p1	-32.8	-16.9	-1866.8	-5400.0	-904.1	-2933.6	-948.6	-2447.8	-905.4	-2937.0	-952.0	-2455.5
c4mpyr-pf6-p2	-30.6	-15.6	-1866.1	-5399.0	-904.3	-2933.8	-948.6	-2447.8	-905.5	-2937.0	-951.8	-2455.2
c4mpyr-pf6-p3	-30.3	-15.4	-1865.9	-5398.9	-904.2	-2933.8	-948.6	-2447.9	-905.3	-2936.7	-951.9	-2455.4
c4mpyr-tos-p1	-39.3	-20.0	-2113.1	-6101.8	-904.2	-2934.2	-1190.2	-3147.0	-905.6	-2937.8	-1194.6	-3157.0
c4mpyr-tos-p2	-36.7	-18.0	-2112.3	-6101.1	-904.7	-2934.5	-1190.3	-3147.2	-906.0	-2938.0	-1194.6	-3156.9

2.2.7 ACCD basis set

Table S 8: Raw ACCD energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-38.5	-26.5	-1384.3	-3793.0	-695.3	-2030.6	-673.1	-1739.7	-696.3	-2034.6	-674.5	-1745.4
c1mim-br-p1	-54.2	-35.8	-835.8	-2344.6	-697.8	-2040.6	-114.2	-273.7	-698.2	-2042.4	-118.4	-285.6
c1mim-br-p2	-33.6	-18.5	-827.9	-2332.9	-697.7	-2041.6	-114.2	-273.7	-698.0	-2042.6	-117.7	-284.0
c1mim-cl-p1	-40.6	-29.0	-829.4	-2366.8	-697.6	-2040.3	-113.6	-304.1	-698.1	-2042.2	-115.2	-311.6
c1mim-cl-p2	-24.8	-15.7	-824.7	-2358.2	-698.0	-2042.3	-113.6	-304.1	-698.3	-2043.3	-114.9	-310.6
c1mim-dca-p1	-69.1	-54.0	-1284.4	-3514.3	-695.9	-2032.2	-558.5	-1443.1	-697.0	-2036.8	-560.3	-1450.5
c1mim-dca-p2	-49.2	-36.5	-1276.5	-3504.1	-696.1	-2033.8	-558.2	-1443.2	-696.9	-2037.0	-559.9	-1450.3
c1mim-mes-p1	-51.7	-35.5	-1379.1	-3811.4	-695.7	-2031.5	-660.5	-1751.1	-696.9	-2036.0	-662.6	-1759.5
c1mim-ntf2-p1	-87.7	-62.7	-2803.6	-7306.3	-695.3	-2030.8	-2072.0	-5224.0	-697.1	-2038.0	-2075.5	-5236.5
c1mim-ntf2-p2	-49.0	-30.8	-2788.4	-7283.2	-695.9	-2033.4	-2071.2	-5222.2	-696.8	-2037.3	-2074.1	-5232.6
c1mim-ntf2-p3	-54.2	-34.6	-2790.9	-7285.8	-695.5	-2031.9	-2072.0	-5223.1	-696.8	-2037.3	-2074.7	-5233.3
c1mim-pf6-p1	-42.1	-28.8	-1739.0	-4685.6	-695.3	-2030.8	-1026.3	-2630.1	-696.3	-2034.8	-1028.0	-2636.6
c1mim-tos-p1	-51.9	-34.4	-1962.9	-5349.2	-695.4	-2031.2	-1244.9	-3288.7	-696.8	-2036.3	-1247.3	-3297.4
c1mpyr-bf4-p1	-37.1	-25.4	-1346.3	-3890.0	-657.7	-2131.0	-672.6	-1737.8	-658.5	-2134.4	-674.0	-1743.9
c1mpyr-bf4-p2	-33.5	-22.9	-1344.8	-3888.2	-657.8	-2131.3	-672.6	-1737.8	-658.5	-2134.1	-673.9	-1743.6
c1mpyr-br-p1	-53.9	-35.7	-796.3	-2436.2	-658.4	-2132.3	-114.2	-273.7	-658.7	-2133.6	-118.5	-286.0
c1mpyr-br-p2	-50.3	-33.4	-794.9	-2434.4	-658.4	-2132.7	-114.2	-273.7	-658.7	-2133.7	-118.2	-285.2
c1mpyr-cl-p1	-41.7	-30.8	-790.9	-2459.3	-658.4	-2132.4	-113.6	-304.1	-658.7	-2133.7	-115.2	-311.8
c1mpyr-cl-p2	-39.4	-29.4	-790.1	-2458.2	-658.4	-2132.7	-113.6	-304.1	-658.7	-2133.8	-115.1	-311.3
c1mpyr-dca-p1	-47.8	-36.0	-1231.6	-3584.5	-658.2	-2131.9	-551.7	-1426.4	-659.1	-2135.2	-553.2	-1432.7
c1mpyr-dca-p2	-52.8	-39.5	-1232.9	-3588.1	-658.0	-2131.6	-551.7	-1426.8	-658.9	-2135.0	-553.5	-1434.1
c1mpyr-dca-p3	-50.0	-37.1	-1230.5	-3588.3	-657.8	-2131.4	-551.9	-1427.8	-658.7	-2134.8	-553.6	-1434.7
c1mpyr-dca-p4	-51.1	-37.8	-1231.9	-3586.9	-657.8	-2131.4	-551.7	-1426.8	-658.7	-2134.8	-553.5	-1434.0
c1mpyr-mes-p1	-46.5	-30.5	-1339.5	-3909.8	-657.7	-2131.5	-660.7	-1752.9	-658.7	-2135.2	-663.0	-1761.9
c1mpyr-mes-p2	-40.1	-25.7	-1337.0	-3906.6	-658.0	-2132.1	-660.7	-1752.9	-658.7	-2135.2	-662.8	-1761.3
c1mpyr-ntf2-p1	-61.9	-41.9	-2754.1	-7391.7	-658.0	-2131.0	-2070.8	-5224.1	-659.2	-2135.8	-2073.9	-5235.0
c1mpyr-ntf2-p2	-49.4	-31.3	-2749.0	-7382.6	-657.7	-2130.8	-2070.7	-5222.9	-658.9	-2135.2	-2073.4	-5232.8
c1mpyr-ntf2-p3	-59.4	-40.1	-2753.2	-7390.0	-658.0	-2131.3	-2070.7	-5223.8	-659.1	-2135.7	-2073.7	-5234.6
c1mpyr-ntf2-p5	-50.0	-32.3	-2749.5	-7382.7	-657.9	-2131.1	-2070.5	-5222.6	-659.0	-2135.2	-2073.2	-5232.4
c1mpyr-pf6-p1	-38.7	-26.0	-1700.5	-4783.8	-657.7	-2131.0	-1026.5	-2630.5	-658.5	-2134.2	-1028.2	-2637.4
c1mpyr-pf6-p2	-35.1	-23.5	-1699.1	-4782.1	-657.8	-2131.1	-1026.5	-2630.6	-658.5	-2133.9	-1028.2	-2637.1
c1mpyr-tos-p1	-46.2	-29.0	-1923.2	-5447.2	-657.7	-2131.5	-1244.7	-3290.2	-658.8	-2135.7	-1247.2	-3299.7
c1mpyr-tos-p2	-39.9	-24.5	-1920.3	-5444.0	-657.9	-2131.7	-1244.7	-3290.2	-658.7	-2135.2	-1247.0	-3298.9

c2mim-bf4-p1	-41.1	-27.9	-1479.3	-4094.3	-789.1	-2330.7	-673.1	-1739.7	-790.2	-2334.9	-674.6	-1746.0
c2mim-bf4-p2	-38.4	-26.0	-1477.6	-4092.4	-788.7	-2330.1	-673.1	-1739.7	-789.8	-2334.2	-674.5	-1745.6
c2mim-br-p1	-56.2	-36.8	-930.0	-2645.9	-791.2	-2340.6	-114.2	-273.7	-791.7	-2342.3	-118.7	-286.4
c2mim-br-p2	-39.2	-22.0	-924.7	-2637.9	-792.3	-2343.3	-114.2	-273.7	-792.6	-2344.4	-118.2	-285.4
c2mim-br-p3	-39.0	-22.5	-924.0	-2636.7	-791.6	-2342.4	-114.2	-273.7	-791.9	-2343.5	-118.1	-284.8
c2mim-br-p4	-56.3	-37.2	-930.6	-2646.7	-791.7	-2341.4	-114.2	-273.7	-792.2	-2343.2	-118.6	-286.0
c2mim-cl-p1	-42.4	-30.3	-923.7	-2668.1	-791.2	-2340.5	-113.6	-304.1	-791.7	-2342.3	-115.3	-312.2
c2mim-cl-p2	-28.5	-18.3	-920.7	-2662.1	-792.5	-2344.0	-113.6	-304.1	-792.8	-2345.1	-115.1	-311.4
c2mim-cl-p3	-28.9	-19.1	-920.1	-2661.3	-791.8	-2343.0	-113.6	-304.1	-792.1	-2344.1	-115.0	-311.1
c2mim-cl-p4	-42.1	-30.1	-923.8	-2668.5	-791.5	-2341.0	-113.6	-304.1	-792.0	-2342.9	-115.3	-311.9
c2mim-dca-p1	-71.7	-55.1	-1378.4	-3815.7	-789.1	-2331.4	-558.4	-1443.5	-790.4	-2336.4	-560.4	-1451.8
c2mim-dca-p2	-67.0	-51.6	-1376.9	-3812.5	-789.3	-2331.4	-558.5	-1443.3	-790.4	-2335.9	-560.3	-1451.1
c2mim-dca-p3	-71.7	-55.5	-1379.3	-3815.7	-789.7	-2331.8	-558.6	-1443.2	-790.9	-2336.6	-560.5	-1451.4
c2mim-dca-p4	-68.3	-52.7	-1377.2	-3813.3	-789.2	-2331.3	-558.5	-1443.2	-790.4	-2336.1	-560.3	-1451.0
c2mim-dca-p5	-70.1	-54.2	-1378.0	-3814.4	-789.2	-2331.5	-558.6	-1443.1	-790.5	-2336.4	-560.4	-1451.0
c2mim-dca-p6	-70.3	-54.6	-1377.7	-3814.4	-789.0	-2330.9	-558.6	-1443.2	-790.3	-2335.9	-560.4	-1450.9
c2mim-mes-p1	-58.2	-40.3	-1475.9	-4115.4	-789.9	-2331.9	-660.4	-1751.0	-791.1	-2336.7	-662.9	-1760.4
c2mim-mes-p2	-53.2	-36.1	-1472.8	-4111.8	-789.1	-2330.7	-660.5	-1751.2	-790.3	-2335.5	-662.8	-1760.0
c2mim-ntf2-p1	-96.6	-68.1	-2901.0	-7611.7	-789.2	-2330.9	-2072.0	-5224.0	-791.2	-2338.7	-2076.1	-5238.6
c2mim-ntf2-p2	-61.9	-40.2	-2887.7	-7591.8	-789.7	-2333.1	-2071.6	-5223.2	-790.8	-2338.0	-2075.0	-5235.5
c2mim-ntf2-p3	-58.6	-37.2	-2886.5	-7587.9	-789.1	-2331.7	-2072.0	-5223.0	-790.5	-2337.3	-2075.0	-5234.3
c2mim-ntf2-p4	-84.6	-59.4	-2896.6	-7604.8	-789.2	-2331.0	-2072.3	-5224.3	-791.0	-2338.0	-2075.9	-5237.1
c2mim-pf6-p1	-46.8	-31.8	-1834.7	-4988.1	-789.0	-2330.7	-1026.3	-2630.0	-790.2	-2335.1	-1028.3	-2637.6
c2mim-pf6-p2	-43.1	-29.1	-1832.5	-4985.6	-788.7	-2330.0	-1026.3	-2630.1	-789.8	-2334.3	-1028.1	-2636.9
c2mim-tos-p1	-60.2	-40.4	-2060.8	-5654.2	-789.7	-2331.7	-1244.9	-3288.5	-791.1	-2337.2	-1247.6	-3298.6
c2mim-tos-p2	-53.9	-35.2	-2057.3	-5650.0	-789.1	-2330.8	-1244.9	-3288.7	-790.4	-2336.2	-1247.4	-3298.1
c2mpyr-bf4-p1	-38.6	-26.0	-1442.5	-4194.6	-753.5	-2434.6	-672.6	-1737.8	-754.4	-2438.3	-674.1	-1744.3
c2mpyr-bf4-p2	-35.6	-24.2	-1441.8	-4193.3	-753.9	-2435.1	-672.6	-1737.9	-754.7	-2438.3	-674.0	-1743.9
c2mpyr-bf4-p3	-35.0	-23.6	-1441.1	-4192.8	-753.6	-2434.9	-672.6	-1737.8	-754.3	-2438.0	-674.0	-1743.9
c2mpyr-br-p1	-56.1	-36.8	-892.8	-2741.0	-754.1	-2435.8	-114.2	-273.7	-754.5	-2437.2	-118.7	-286.7
c2mpyr-br-p2	-53.9	-35.2	-891.9	-2740.4	-754.1	-2436.5	-114.2	-273.7	-754.4	-2437.7	-118.6	-286.5
c2mpyr-br-p3	-52.5	-34.4	-891.2	-2739.1	-754.0	-2436.0	-114.2	-273.7	-754.3	-2437.1	-118.4	-286.0
c2mpyr-cl-p1	-43.2	-31.6	-887.1	-2763.8	-754.2	-2435.8	-113.6	-304.1	-754.5	-2437.3	-115.3	-312.2
c2mpyr-cl-p2	-41.5	-30.5	-886.3	-2763.1	-753.9	-2436.3	-113.6	-304.1	-754.3	-2437.5	-115.3	-311.9
c2mpyr-cl-p3	-40.6	-29.9	-886.1	-2762.5	-754.2	-2436.1	-113.6	-304.1	-754.5	-2437.3	-115.2	-311.7
c2mpyr-dca-p1	-48.8	-36.2	-1327.5	-3888.7	-753.9	-2435.3	-551.7	-1426.4	-754.9	-2438.8	-553.3	-1433.1
c2mpyr-dca-p2	-53.1	-39.4	-1328.8	-3891.7	-753.6	-2435.1	-551.8	-1426.8	-754.5	-2438.7	-553.5	-1434.3
c2mpyr-dca-p3	-54.1	-40.0	-1328.9	-3892.4	-753.7	-2435.0	-551.7	-1426.8	-754.6	-2438.7	-553.6	-1434.4
c2mpyr-mes-p1	-49.2	-31.8	-1436.1	-4215.2	-753.5	-2435.1	-660.7	-1752.9	-754.6	-2439.2	-663.1	-1762.5

c2mpyr-mes-p2	-44.9	-29.0	-1434.8	-4213.4	-754.1	-2435.5	-660.7	-1753.0	-755.0	-2439.2	-663.0	-1762.0
c2mpyr-mes-p3	-42.9	-27.2	-1433.6	-4212.1	-753.7	-2435.6	-660.7	-1752.9	-754.6	-2439.1	-662.9	-1761.9
c2mpyr-ntf2-p1	-65.1	-43.3	-2851.1	-7697.2	-753.7	-2434.3	-2071.0	-5224.2	-755.1	-2439.7	-2074.3	-5235.9
c2mpyr-ntf2-p2	-52.9	-33.2	-2846.1	-7688.4	-753.4	-2434.3	-2070.7	-5223.1	-754.7	-2439.3	-2073.6	-5233.7
c2mpyr-ntf2-p3	-62.8	-41.9	-2850.1	-7695.7	-753.6	-2434.6	-2070.9	-5224.0	-754.8	-2439.5	-2074.1	-5235.5
c2mpyr-ntf2-p4	-61.3	-40.8	-2849.5	-7695.0	-753.6	-2434.6	-2070.9	-5224.1	-754.8	-2439.3	-2074.1	-5235.4
c2mpyr-ntf2-p5	-54.1	-34.8	-2846.4	-7688.8	-753.3	-2434.3	-2070.6	-5222.9	-754.5	-2439.0	-2073.5	-5233.5
c2mpyr-ntf2-p6	-50.7	-32.6	-2845.6	-7687.2	-753.6	-2434.6	-2070.7	-5223.0	-754.7	-2439.0	-2073.4	-5233.0
c2mpyr-pf6-p1	-39.8	-26.4	-1796.9	-5088.3	-753.6	-2434.7	-1026.5	-2630.5	-754.6	-2438.2	-1028.3	-2637.7
c2mpyr-pf6-p2	-37.3	-24.8	-1795.9	-5087.0	-753.7	-2434.7	-1026.5	-2630.6	-754.5	-2437.9	-1028.2	-2637.4
c2mpyr-pf6-p3	-36.7	-24.1	-1795.4	-5086.6	-753.5	-2434.6	-1026.5	-2630.6	-754.3	-2437.8	-1028.3	-2637.5
c2mpyr-tos-p1	-49.2	-30.4	-2019.9	-5752.7	-753.5	-2435.0	-1244.7	-3290.2	-754.7	-2439.7	-1247.4	-3300.4
c2mpyr-tos-p2	-45.0	-27.7	-2018.5	-5750.9	-754.1	-2435.4	-1244.7	-3290.3	-755.1	-2439.6	-1247.2	-3299.8
c3mim-bf4-p1	-42.4	-28.6	-1572.3	-4394.2	-881.6	-2629.7	-673.1	-1739.7	-882.7	-2634.1	-674.7	-1746.3
c3mim-bf4-p2	-41.4	-28.1	-1571.8	-4393.5	-881.5	-2629.5	-673.1	-1739.7	-882.6	-2633.8	-674.6	-1746.1
c3mim-br-p1	-57.6	-37.4	-1023.1	-2946.6	-883.8	-2640.5	-114.2	-273.7	-884.3	-2642.3	-118.9	-286.8
c3mim-br-p2	-40.3	-22.5	-1017.4	-2938.3	-884.6	-2643.0	-114.2	-273.7	-884.9	-2644.2	-118.3	-285.8
c3mim-br-p3	-44.5	-26.5	-1019.0	-2939.8	-884.3	-2642.3	-114.2	-273.7	-884.6	-2643.5	-118.5	-285.9
c3mim-br-p4	-59.2	-38.6	-1023.8	-2947.9	-883.9	-2640.8	-114.2	-273.7	-884.5	-2642.8	-118.9	-287.0
c3mim-cl-p1	-43.3	-30.8	-1016.5	-2968.5	-883.7	-2640.3	-113.6	-304.1	-884.2	-2642.2	-115.4	-312.4
c3mim-cl-p2	-29.1	-18.5	-1013.2	-2962.2	-884.9	-2643.7	-113.6	-304.1	-885.2	-2644.9	-115.2	-311.6
c3mim-cl-p3	-32.8	-22.2	-1014.4	-2963.4	-884.5	-2642.8	-113.6	-304.1	-884.8	-2644.0	-115.2	-311.6
c3mim-cl-p4	-44.0	-31.1	-1016.7	-2969.1	-883.7	-2640.4	-113.6	-304.1	-884.3	-2642.5	-115.4	-312.5
c3mim-dca-p1	-73.5	-56.1	-1471.5	-4115.7	-881.5	-2630.1	-558.4	-1443.5	-882.9	-2635.4	-560.5	-1452.3
c3mim-dca-p2	-74.7	-57.4	-1472.4	-4117.0	-882.0	-2630.8	-558.5	-1443.3	-883.3	-2636.1	-560.5	-1452.0
c3mim-dca-p3	-62.5	-46.7	-1467.8	-4110.4	-882.1	-2631.8	-558.3	-1443.5	-883.1	-2635.9	-560.4	-1452.1
c3mim-dca-p4	-75.9	-58.5	-1473.0	-4116.4	-881.7	-2630.2	-558.5	-1443.1	-883.0	-2635.4	-560.5	-1451.9
c3mim-dca-p5	-72.3	-55.6	-1470.3	-4114.2	-881.1	-2629.5	-558.4	-1443.2	-882.5	-2634.7	-560.3	-1451.3
c3mim-dca-p6	-70.9	-54.9	-1469.9	-4113.4	-881.2	-2629.4	-558.6	-1443.3	-882.5	-2634.4	-560.4	-1451.1
c3mim-mes-p1	-61.6	-42.3	-1570.1	-4416.7	-882.4	-2631.2	-660.5	-1751.1	-883.8	-2636.3	-663.1	-1761.3
c3mim-mes-p2	-54.2	-36.6	-1565.3	-4411.1	-881.3	-2629.2	-660.5	-1751.2	-882.5	-2634.1	-662.8	-1760.3
c3mim-ntf2-p1	-101.8	-71.2	-2995.5	-7913.9	-881.6	-2629.8	-2072.1	-5224.1	-883.8	-2638.3	-2076.4	-5239.8
c3mim-ntf2-p2	-67.7	-44.0	-2982.4	-7893.9	-882.0	-2631.8	-2071.6	-5223.2	-883.3	-2637.2	-2075.3	-5236.5
c3mim-ntf2-p3	-61.5	-38.8	-2980.0	-7888.6	-881.5	-2630.6	-2072.0	-5223.0	-883.0	-2636.5	-2075.2	-5235.1
c3mim-ntf2-p4	-86.7	-61.0	-2989.2	-7904.5	-881.2	-2629.1	-2072.3	-5224.3	-883.1	-2636.4	-2075.9	-5237.2
c3mim-pf6-p1	-48.6	-33.3	-1927.4	-5288.0	-881.4	-2629.4	-1026.2	-2629.8	-882.6	-2634.1	-1028.2	-2637.3
c3mim-pf6-p2	-43.5	-29.2	-1924.8	-5284.5	-880.9	-2628.6	-1026.3	-2630.1	-882.0	-2633.0	-1028.1	-2637.0
c3mim-tos-p1	-64.6	-43.1	-2155.1	-5956.1	-882.2	-2630.9	-1244.9	-3288.6	-883.8	-2636.9	-1247.8	-3299.6
c3mim-tos-p2	-61.4	-41.0	-2153.2	-5953.6	-881.8	-2630.1	-1244.9	-3288.6	-883.4	-2635.9	-1247.6	-3298.9

c3mpyr-bf4-p1	-39.6	-26.5	-1535.4	-4495.5	-846.1	-2734.8	-672.6	-1737.8	-847.1	-2738.7	-674.1	-1744.5
c3mpyr-bf4-p2	-36.2	-24.4	-1534.4	-4493.8	-846.4	-2735.2	-672.6	-1737.9	-847.2	-2738.5	-674.1	-1744.1
c3mpyr-bf4-p3	-36.0	-24.0	-1534.0	-4493.6	-846.1	-2735.1	-672.6	-1737.8	-847.0	-2738.4	-674.1	-1744.1
c3mpyr-br-p1	-57.9	-37.7	-986.1	-3042.4	-846.7	-2736.0	-114.2	-273.7	-847.1	-2737.5	-118.9	-287.3
c3mpyr-br-p2	-54.1	-35.2	-984.3	-3040.5	-846.6	-2736.3	-114.2	-273.7	-847.0	-2737.5	-118.6	-286.5
c3mpyr-br-p3	-54.1	-35.3	-984.4	-3040.4	-846.7	-2736.2	-114.2	-273.7	-847.0	-2737.5	-118.6	-286.5
c3mpyr-cl-p1	-44.3	-32.2	-980.1	-3064.9	-846.8	-2736.1	-113.6	-304.1	-847.2	-2737.6	-115.4	-312.5
c3mpyr-cl-p2	-42.2	-30.8	-979.1	-3063.9	-846.6	-2736.5	-113.6	-304.1	-846.9	-2737.8	-115.3	-312.1
c3mpyr-cl-p3	-41.5	-30.4	-979.0	-3063.4	-846.7	-2736.4	-113.6	-304.1	-847.1	-2737.6	-115.3	-312.0
c3mpyr-dca-p1	-51.3	-37.6	-1420.8	-4190.6	-846.3	-2735.3	-551.8	-1426.7	-847.3	-2739.0	-553.5	-1433.9
c3mpyr-dca-p2	-53.5	-39.4	-1421.4	-4192.2	-846.2	-2735.3	-551.8	-1426.8	-847.2	-2739.0	-553.6	-1434.4
c3mpyr-dca-p3	-49.5	-36.3	-1418.8	-4192.5	-846.3	-2735.3	-552.1	-1428.1	-847.2	-2738.8	-553.9	-1435.1
c3mpyr-dca-p4	-52.3	-38.4	-1420.8	-4191.8	-846.4	-2735.4	-551.7	-1426.7	-847.4	-2739.0	-553.5	-1434.2
c3mpyr-dca-p5	-54.5	-40.0	-1421.6	-4193.0	-846.3	-2735.3	-551.7	-1426.8	-847.3	-2739.1	-553.6	-1434.6
c3mpyr-mes-p1	-50.9	-32.8	-1529.2	-4516.6	-846.1	-2735.2	-660.7	-1752.9	-847.3	-2739.6	-663.2	-1762.9
c3mpyr-mes-p2	-45.8	-29.2	-1527.6	-4514.3	-846.7	-2735.7	-660.7	-1753.0	-847.7	-2739.6	-663.1	-1762.3
c3mpyr-mes-p3	-44.6	-28.2	-1526.8	-4513.4	-846.3	-2735.8	-660.7	-1752.9	-847.2	-2739.5	-663.1	-1762.3
c3mpyr-ntf2-p1	-68.0	-45.1	-2944.9	-7999.5	-846.4	-2734.9	-2070.9	-5224.2	-847.9	-2740.5	-2074.4	-5236.4
c3mpyr-ntf2-p2	-52.9	-33.2	-2938.9	-7988.5	-846.1	-2734.7	-2070.7	-5223.0	-847.4	-2739.7	-2073.5	-5233.5
c3mpyr-ntf2-p3	-63.6	-42.1	-2943.0	-7996.5	-846.1	-2734.7	-2070.9	-5224.1	-847.4	-2739.8	-2074.2	-5236.0
c3mpyr-ntf2-p4	-64.4	-42.8	-2943.3	-7997.0	-846.2	-2734.9	-2070.8	-5224.0	-847.5	-2740.0	-2074.2	-5235.9
c3mpyr-ntf2-p5	-54.7	-34.8	-2939.1	-7989.5	-845.9	-2734.6	-2070.6	-5222.8	-847.1	-2739.4	-2073.5	-5233.7
c3mpyr-ntf2-p6	-53.5	-34.2	-2939.1	-7989.1	-846.2	-2734.9	-2070.7	-5222.9	-847.4	-2739.5	-2073.6	-5233.5
c3mpyr-pf6-p1	-41.9	-27.5	-1889.8	-5389.7	-846.0	-2734.6	-1026.5	-2630.5	-847.0	-2738.4	-1028.4	-2638.2
c3mpyr-pf6-p2	-37.8	-24.8	-1888.5	-5387.4	-846.2	-2734.9	-1026.5	-2630.6	-847.1	-2738.2	-1028.3	-2637.6
c3mpyr-pf6-p3	-37.8	-24.7	-1888.3	-5387.6	-846.1	-2734.8	-1026.5	-2630.6	-846.9	-2738.2	-1028.3	-2637.8
c3mpyr-tos-p1	-51.2	-31.5	-2113.1	-6054.3	-846.1	-2735.2	-1244.7	-3290.2	-847.4	-2740.2	-1247.5	-3300.8
c3mpyr-tos-p2	-46.1	-28.0	-2111.4	-6051.8	-846.6	-2735.6	-1244.7	-3290.3	-847.8	-2740.1	-1247.3	-3300.1
c4mim-bf4-p1	-43.3	-29.1	-1664.9	-4693.7	-973.9	-2928.6	-673.1	-1739.7	-975.1	-2933.1	-674.7	-1746.6
c4mim-bf4-p2	-41.9	-28.3	-1664.1	-4692.6	-973.8	-2928.2	-673.1	-1739.7	-974.9	-2932.6	-674.7	-1746.2
c4mim-br-p1	-59.2	-38.3	-1116.1	-3247.4	-976.2	-2940.4	-114.2	-273.7	-976.6	-2942.2	-119.1	-287.3
c4mim-br-p2	-41.8	-23.5	-1110.5	-3239.1	-977.1	-2942.9	-114.2	-273.7	-977.4	-2944.1	-118.4	-286.2
c4mim-br-p3	-47.1	-28.2	-1112.5	-3241.2	-976.7	-2942.1	-114.2	-273.7	-977.0	-2943.3	-118.7	-286.5
c4mim-br-p4	-60.1	-39.1	-1116.5	-3248.1	-976.2	-2940.4	-114.2	-273.7	-976.8	-2942.4	-119.0	-287.3
c4mim-cl-p1	-44.3	-31.4	-1109.2	-3268.9	-976.0	-2940.1	-113.6	-304.1	-976.6	-2942.0	-115.4	-312.7
c4mim-cl-p2	-30.1	-19.2	-1106.0	-3262.7	-977.3	-2943.6	-113.6	-304.1	-977.6	-2944.8	-115.2	-311.9
c4mim-cl-p3	-34.6	-23.5	-1107.4	-3264.3	-976.8	-2942.5	-113.6	-304.1	-977.2	-2943.8	-115.2	-312.0
c4mim-cl-p4	-44.6	-31.5	-1109.2	-3269.2	-976.0	-2940.1	-113.6	-304.1	-976.6	-2942.2	-115.4	-312.6
c4mim-dca-p1	-74.7	-56.8	-1564.2	-4415.4	-973.8	-2929.0	-558.4	-1443.5	-975.2	-2934.4	-560.6	-1452.6

c4mim-dca-p2	-78.2	-60.1	-1566.2	-4416.8	-974.0	-2929.2	-558.5	-1443.2	-975.4	-2934.5	-560.6	-1452.4
c4mim-dca-p3	-72.9	-55.9	-1562.6	-4413.4	-973.3	-2928.2	-558.4	-1443.2	-974.7	-2933.5	-560.3	-1451.5
c4mim-mes-p1	-63.5	-43.4	-1663.1	-4716.8	-974.7	-2930.1	-660.5	-1751.1	-976.1	-2935.4	-663.2	-1761.7
c4mim-mes-p2	-54.5	-36.7	-1657.5	-4710.0	-973.4	-2927.9	-660.5	-1751.2	-974.7	-2932.8	-662.9	-1760.4
c4mim-pf6-p1	-50.9	-34.2	-2021.2	-5588.6	-973.8	-2928.6	-1026.3	-2630.1	-975.1	-2933.5	-1028.5	-2638.5
c4mim-pf6-p2	-43.7	-29.3	-2017.1	-5583.5	-973.1	-2927.3	-1026.3	-2630.1	-974.3	-2931.7	-1028.1	-2637.1
c4mim-tos-p1	-67.8	-45.1	-2248.7	-6257.0	-974.6	-2929.9	-1244.9	-3288.6	-976.2	-2936.2	-1248.0	-3300.2
c4mim-tos-p2	-62.4	-41.9	-2246.5	-6253.4	-974.5	-2929.5	-1244.9	-3288.6	-976.0	-2935.3	-1247.7	-3299.0
c4mpyr-bf4-p1	-39.9	-26.6	-1627.8	-4795.4	-938.4	-3034.5	-672.6	-1737.8	-939.4	-3038.3	-674.2	-1744.7
c4mpyr-bf4-p2	-36.7	-24.6	-1626.8	-4793.8	-938.7	-3034.8	-672.6	-1737.9	-939.6	-3038.2	-674.1	-1744.2
c4mpyr-bf4-p3	-36.3	-24.2	-1626.5	-4793.6	-938.5	-3034.8	-672.6	-1737.9	-939.4	-3038.2	-674.1	-1744.3
c4mpyr-br-p1	-58.4	-38.0	-1078.6	-3342.4	-939.1	-3035.7	-114.2	-273.7	-939.5	-3037.1	-118.9	-287.4
c4mpyr-br-p2	-54.7	-35.6	-1076.9	-3340.7	-939.0	-3036.0	-114.2	-273.7	-939.3	-3037.3	-118.7	-286.7
c4mpyr-br-p3	-54.6	-35.5	-1077.0	-3340.3	-939.0	-3035.9	-114.2	-273.7	-939.3	-3037.1	-118.7	-286.7
c4mpyr-cl-p1	-44.4	-32.2	-1072.4	-3364.6	-939.1	-3035.7	-113.6	-304.1	-939.5	-3037.2	-115.4	-312.6
c4mpyr-cl-p2	-43.1	-31.4	-1071.8	-3364.2	-938.9	-3036.2	-113.6	-304.1	-939.3	-3037.6	-115.4	-312.4
c4mpyr-cl-p3	-41.7	-30.5	-1071.3	-3363.1	-939.1	-3036.0	-113.6	-304.1	-939.4	-3037.3	-115.3	-312.0
c4mpyr-dca-p1	-53.2	-38.0	-1512.6	-4492.3	-938.5	-3034.5	-551.8	-1427.0	-939.7	-3038.6	-553.7	-1434.9
c4mpyr-dca-p2	-53.7	-39.5	-1513.8	-4492.0	-938.6	-3035.0	-551.8	-1426.8	-939.5	-3038.7	-553.6	-1434.5
c4mpyr-dca-p3	-52.5	-38.5	-1513.5	-4490.9	-938.6	-3034.8	-551.8	-1426.7	-939.6	-3038.7	-553.5	-1434.1
c4mpyr-dca-p4	-54.0	-38.8	-1513.4	-4492.7	-938.6	-3034.9	-551.8	-1426.9	-939.7	-3039.1	-553.7	-1434.9
c4mpyr-dca-p5	-54.8	-40.2	-1514.0	-4492.9	-938.6	-3034.9	-551.7	-1426.8	-939.6	-3038.8	-553.6	-1434.7
c4mpyr-mes-p1	-51.2	-32.8	-1621.6	-4816.5	-938.5	-3034.9	-660.7	-1752.9	-939.6	-3039.3	-663.3	-1763.1
c4mpyr-mes-p2	-46.7	-29.7	-1620.2	-4814.6	-939.0	-3035.4	-660.7	-1753.0	-940.0	-3039.3	-663.1	-1762.5
c4mpyr-mes-p3	-45.2	-28.4	-1619.4	-4813.5	-938.6	-3035.5	-660.7	-1752.9	-939.6	-3039.3	-663.1	-1762.5
c4mpyr-ntf2-p1	-68.6	-45.2	-3037.3	-8299.4	-938.7	-3034.5	-2070.9	-5224.1	-940.2	-3040.2	-2074.4	-5236.6
c4mpyr-ntf2-p2	-60.0	-37.9	-3033.6	-8292.1	-938.4	-3034.2	-2070.5	-5222.6	-939.9	-3039.7	-2073.7	-5234.5
c4mpyr-ntf2-p3	-65.5	-43.2	-3036.1	-8297.5	-938.4	-3034.5	-2070.9	-5224.1	-939.8	-3039.8	-2074.3	-5236.4
c4mpyr-ntf2-p4	-66.1	-43.8	-3036.3	-8297.8	-938.5	-3034.5	-2070.9	-5224.1	-939.9	-3039.8	-2074.3	-5236.3
c4mpyr-ntf2-p5	-55.8	-35.4	-3031.8	-8289.9	-938.2	-3034.3	-2070.6	-5222.8	-939.5	-3039.3	-2073.6	-5234.0
c4mpyr-ntf2-p6	-55.8	-35.6	-3032.3	-8290.1	-938.6	-3034.5	-2070.6	-5222.8	-939.8	-3039.4	-2073.6	-5234.0
c4mpyr-pf6-p1	-42.2	-27.6	-1982.3	-5689.6	-938.3	-3034.3	-1026.5	-2630.6	-939.3	-3038.2	-1028.5	-2638.4
c4mpyr-pf6-p2	-38.5	-25.2	-1981.1	-5687.7	-938.6	-3034.6	-1026.5	-2630.6	-939.5	-3038.0	-1028.3	-2637.8
c4mpyr-pf6-p3	-38.3	-24.9	-1980.8	-5687.6	-938.4	-3034.5	-1026.5	-2630.6	-939.3	-3037.9	-1028.4	-2637.9
c4mpyr-tos-p1	-51.7	-31.8	-2205.7	-6354.4	-938.5	-3035.0	-1244.7	-3290.2	-939.8	-3039.9	-1247.5	-3301.0
c4mpyr-tos-p2	-47.1	-28.7	-2204.2	-6352.3	-939.0	-3035.4	-1244.7	-3290.3	-940.2	-3039.9	-1247.4	-3300.3

2.2.8 CCT basis set

Table S 9: Raw CCT energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-36.2	-25.1	-1584.7	-4600.0	-783.0	-2420.1	-785.9	-2159.4	-783.4	-2421.4	-788.8	-2165.9
c1mim-br-p1	-48.3	-37.4	-984.7	-2878.7	-785.0	-2427.9	-177.4	-425.0	-785.2	-2428.6	-180.2	-432.0
c1mim-br-p2	-33.3	-24.2	-978.2	-2870.1	-784.7	-2427.9	-177.4	-425.0	-784.8	-2428.3	-179.8	-431.3
c1mim-cl-p1	-40.0	-30.4	-932.8	-2836.6	-784.8	-2427.6	-129.6	-387.4	-785.0	-2428.3	-131.9	-393.8
c1mim-cl-p2	-30.9	-22.9	-929.7	-2831.6	-785.0	-2428.5	-129.6	-387.4	-785.0	-2428.8	-131.3	-393.2
c1mim-dca-p1	-62.3	-54.3	-1436.5	-4162.9	-783.5	-2421.4	-624.1	-1708.2	-783.9	-2422.7	-625.9	-1712.6
c1mim-dca-p2	-47.0	-40.6	-1429.7	-4155.4	-783.6	-2422.5	-623.7	-1708.2	-783.8	-2423.2	-625.2	-1712.3
c1mim-mes-p1	-48.6	-34.5	-1554.1	-4556.8	-783.5	-2420.9	-747.7	-2110.1	-783.8	-2422.2	-751.8	-2118.6
c1mim-ntf2-p1	-74.6	-60.6	-3200.9	-8859.3	-783.1	-2420.2	-2384.1	-6398.2	-783.5	-2422.0	-2387.9	-6406.3
c1mim-ntf2-p2	-43.5	-33.6	-3187.4	-8841.3	-783.4	-2422.0	-2383.4	-6396.4	-783.5	-2422.8	-2386.0	-6402.8
c1mim-ntf2-p3	-45.2	-34.3	-3189.0	-8841.6	-783.1	-2421.0	-2384.1	-6397.2	-783.4	-2422.2	-2387.0	-6403.6
c1mim-pf6-p1	-39.5	-27.2	-1996.2	-5703.2	-783.0	-2420.2	-1195.8	-3260.8	-783.3	-2421.3	-1199.4	-3268.1
c1mim-tos-p1	-45.3	-32.4	-2202.0	-6376.3	-783.2	-2420.7	-1397.3	-3931.8	-783.5	-2421.9	-1401.0	-3939.5
c1mpyr-bf4-p1	-37.4	-26.4	-1543.5	-4712.1	-741.1	-2533.7	-785.5	-2158.0	-741.2	-2534.4	-788.7	-2164.9
c1mpyr-bf4-p2	-34.5	-24.7	-1542.3	-4710.8	-741.2	-2533.9	-785.5	-2158.0	-741.3	-2534.4	-788.4	-2164.3
c1mpyr-br-p1	-50.3	-40.0	-942.3	-2986.8	-741.7	-2534.7	-177.4	-425.0	-741.8	-2535.0	-180.2	-432.1
c1mpyr-br-p2	-47.9	-38.2	-941.2	-2985.7	-741.7	-2534.9	-177.4	-425.0	-741.8	-2535.2	-180.0	-431.7
c1mpyr-cl-p1	-44.2	-35.3	-891.7	-2946.1	-741.8	-2534.8	-129.6	-387.4	-741.8	-2535.1	-131.8	-393.8
c1mpyr-cl-p2	-43.0	-34.5	-891.1	-2945.6	-741.8	-2535.0	-129.6	-387.4	-741.8	-2535.2	-131.7	-393.5
c1mpyr-dca-p1	-44.0	-37.7	-1381.1	-4250.3	-741.6	-2534.4	-618.1	-1693.3	-741.7	-2535.0	-619.8	-1697.2
c1mpyr-dca-p2	-47.5	-41.3	-1382.1	-4252.6	-741.4	-2534.1	-618.1	-1693.6	-741.6	-2534.8	-619.7	-1697.4
c1mpyr-dca-p3	-44.9	-38.7	-1379.3	-4252.9	-741.1	-2533.9	-618.1	-1694.3	-741.3	-2534.6	-619.5	-1698.2
c1mpyr-dca-p4	-46.1	-39.9	-1381.2	-4251.6	-741.1	-2533.9	-618.1	-1693.6	-741.3	-2534.6	-619.7	-1697.3
c1mpyr-mes-p1	-46.1	-32.8	-1510.9	-4669.2	-741.1	-2534.0	-747.7	-2111.3	-741.2	-2534.7	-751.7	-2119.8
c1mpyr-mes-p2	-41.2	-29.4	-1508.8	-4666.9	-741.3	-2534.3	-747.7	-2111.3	-741.4	-2534.9	-751.1	-2118.9
c1mpyr-ntf2-p1	-52.8	-42.3	-3148.0	-8960.1	-741.4	-2533.8	-2382.6	-6397.5	-741.6	-2534.5	-2385.7	-6404.0
c1mpyr-ntf2-p2	-40.6	-31.4	-3142.8	-8951.4	-741.1	-2533.5	-2382.6	-6396.4	-741.3	-2534.2	-2385.3	-6402.1
c1mpyr-ntf2-p3	-51.5	-41.3	-3147.4	-8959.1	-741.4	-2533.9	-2382.6	-6397.2	-741.5	-2534.5	-2385.5	-6403.7
c1mpyr-ntf2-p5	-41.8	-32.4	-3143.5	-8951.9	-741.3	-2533.7	-2382.5	-6396.1	-741.5	-2534.4	-2385.2	-6402.0
c1mpyr-pf6-p1	-37.8	-26.5	-1954.0	-5815.5	-741.1	-2533.6	-1195.9	-3261.2	-741.2	-2534.2	-1199.4	-3268.3
c1mpyr-pf6-p2	-34.9	-24.7	-1952.8	-5814.2	-741.2	-2533.7	-1196.0	-3261.3	-741.3	-2534.2	-1199.1	-3267.8
c1mpyr-tos-p1	-42.7	-30.2	-2158.7	-6488.1	-741.1	-2534.0	-1396.6	-3932.4	-741.2	-2534.7	-1400.3	-3940.2
c1mpyr-tos-p2	-37.6	-26.4	-2156.1	-6485.7	-741.2	-2534.1	-1396.6	-3932.3	-741.3	-2534.7	-1399.9	-3939.5

c2mim-bf4-p1	-38.6	-26.5	-1691.1	-4956.7	-888.2	-2775.7	-785.9	-2159.4	-888.6	-2777.0	-789.1	-2166.5
c2mim-bf4-p2	-35.9	-24.8	-1689.3	-4954.7	-887.8	-2775.1	-785.9	-2159.4	-888.1	-2776.3	-788.8	-2165.9
c2mim-br-p1	-50.0	-38.6	-1090.0	-3234.8	-889.6	-2782.9	-177.4	-425.0	-889.8	-2783.6	-180.4	-432.4
c2mim-br-p2	-37.3	-27.3	-1085.9	-3229.1	-890.6	-2784.8	-177.4	-425.0	-890.7	-2785.2	-180.0	-431.9
c2mim-br-p3	-37.6	-27.6	-1085.3	-3228.4	-889.8	-2783.9	-177.4	-425.0	-889.9	-2784.3	-180.0	-431.8
c2mim-br-p4	-49.8	-38.8	-1090.7	-3235.7	-890.3	-2784.0	-177.4	-425.0	-890.5	-2784.7	-180.3	-432.1
c2mim-cl-p1	-42.0	-31.8	-1038.3	-3192.9	-889.5	-2782.8	-129.6	-387.4	-889.7	-2783.4	-132.1	-394.3
c2mim-cl-p2	-33.6	-24.8	-1036.8	-3190.0	-890.8	-2785.4	-129.6	-387.4	-890.9	-2785.8	-131.5	-393.7
c2mim-cl-p3	-34.0	-25.2	-1036.1	-3189.4	-890.1	-2784.4	-129.6	-387.4	-890.1	-2784.8	-131.6	-393.8
c2mim-cl-p4	-41.1	-31.4	-1038.4	-3193.3	-890.0	-2783.6	-129.6	-387.4	-890.2	-2784.3	-131.9	-393.9
c2mim-dca-p1	-64.2	-56.0	-1541.8	-4519.0	-888.1	-2776.1	-623.9	-1708.5	-888.5	-2777.4	-625.8	-1713.1
c2mim-dca-p2	-60.3	-52.4	-1540.4	-4516.6	-888.3	-2776.1	-624.0	-1708.3	-888.6	-2777.4	-625.9	-1712.7
c2mim-dca-p3	-64.5	-56.3	-1543.0	-4519.6	-888.8	-2776.7	-624.1	-1708.3	-889.1	-2778.1	-626.1	-1713.0
c2mim-dca-p4	-61.0	-53.3	-1540.6	-4517.0	-888.2	-2776.1	-624.0	-1708.3	-888.5	-2777.4	-625.8	-1712.5
c2mim-dca-p5	-62.6	-54.5	-1541.3	-4518.0	-888.2	-2776.2	-624.1	-1708.2	-888.6	-2777.6	-625.9	-1712.7
c2mim-dca-p6	-62.7	-54.7	-1541.0	-4518.0	-888.1	-2775.8	-624.1	-1708.3	-888.4	-2777.2	-625.9	-1712.7
c2mim-mes-p1	-54.5	-39.4	-1662.3	-4915.7	-889.0	-2776.9	-747.6	-2110.0	-889.3	-2778.1	-752.0	-2119.1
c2mim-mes-p2	-49.4	-35.0	-1659.0	-4912.2	-888.1	-2775.7	-747.7	-2110.2	-888.5	-2777.0	-751.9	-2118.8
c2mim-ntf2-p1	-81.4	-65.7	-3309.2	-9218.5	-888.3	-2775.8	-2384.1	-6398.1	-888.8	-2777.6	-2388.4	-6407.3
c2mim-ntf2-p2	-54.2	-42.3	-3297.6	-9203.6	-888.5	-2777.5	-2383.7	-6397.3	-888.8	-2778.4	-2386.9	-6404.8
c2mim-ntf2-p3	-48.7	-37.0	-3295.8	-9198.5	-888.1	-2776.3	-2384.1	-6397.1	-888.4	-2777.5	-2387.3	-6404.1
c2mim-ntf2-p4	-71.7	-57.4	-3305.2	-9213.4	-888.2	-2775.8	-2384.4	-6398.4	-888.6	-2777.5	-2388.3	-6406.8
c2mim-pf6-p1	-43.8	-30.0	-2103.3	-6060.8	-888.1	-2775.6	-1195.8	-3260.8	-888.4	-2776.8	-1199.9	-3269.0
c2mim-pf6-p2	-39.8	-27.4	-2101.0	-6058.2	-887.7	-2775.0	-1195.8	-3260.8	-888.0	-2776.1	-1199.5	-3268.2
c2mim-tos-p1	-53.2	-38.5	-2311.3	-6736.3	-888.8	-2776.7	-1397.2	-3931.7	-889.2	-2778.0	-1401.4	-3940.4
c2mim-tos-p2	-47.1	-33.3	-2307.7	-6732.2	-888.1	-2775.8	-1397.2	-3931.8	-888.5	-2777.1	-1401.2	-3939.9
c2mpyr-bf4-p1	-38.1	-26.8	-1650.6	-5070.7	-847.9	-2891.8	-785.5	-2157.9	-848.0	-2892.6	-788.8	-2165.1
c2mpyr-bf4-p2	-35.9	-25.2	-1650.1	-5070.0	-848.4	-2892.3	-785.5	-2158.0	-848.5	-2893.0	-788.6	-2164.8
c2mpyr-bf4-p3	-35.5	-25.2	-1649.5	-5069.5	-848.0	-2892.1	-785.5	-2158.0	-848.1	-2892.7	-788.5	-2164.5
c2mpyr-br-p1	-51.4	-40.7	-1049.6	-3345.5	-848.5	-2892.8	-177.4	-425.0	-848.6	-2893.1	-180.3	-432.3
c2mpyr-br-p2	-49.8	-39.4	-1048.8	-3345.1	-848.5	-2893.3	-177.4	-425.0	-848.5	-2893.6	-180.2	-432.1
c2mpyr-br-p3	-48.9	-38.9	-1048.3	-3344.3	-848.4	-2892.9	-177.4	-425.0	-848.5	-2893.2	-180.1	-431.9
c2mpyr-cl-p1	-44.8	-35.7	-998.7	-3304.5	-848.6	-2892.9	-129.6	-387.4	-848.7	-2893.2	-131.9	-393.9
c2mpyr-cl-p2	-43.7	-34.8	-998.0	-3304.2	-848.3	-2893.1	-129.6	-387.4	-848.4	-2893.4	-131.8	-393.8
c2mpyr-cl-p3	-43.3	-34.7	-998.0	-3303.9	-848.6	-2893.1	-129.6	-387.4	-848.6	-2893.3	-131.7	-393.6
c2mpyr-dca-p1	-44.1	-37.8	-1487.9	-4608.5	-848.4	-2892.5	-618.1	-1693.3	-848.5	-2893.1	-619.8	-1697.2
c2mpyr-dca-p2	-47.5	-40.9	-1489.0	-4610.5	-848.0	-2892.2	-618.2	-1693.7	-848.2	-2892.9	-619.9	-1697.6
c2mpyr-dca-p3	-47.9	-41.6	-1489.0	-4610.9	-848.1	-2892.2	-618.1	-1693.6	-848.3	-2892.9	-619.7	-1697.4
c2mpyr-mes-p1	-47.7	-33.7	-1618.4	-5028.3	-847.9	-2892.1	-747.7	-2111.3	-848.1	-2892.9	-751.9	-2120.1

c2mpyr-mes-p2	-44.1	-30.9	-1617.3	-5027.2	-848.6	-2892.7	-747.7	-2111.4	-848.7	-2893.3	-751.7	-2119.8
c2mpyr-mes-p3	-42.9	-30.5	-1616.3	-5026.2	-848.1	-2892.5	-747.7	-2111.3	-848.2	-2893.2	-751.3	-2119.2
c2mpyr-ntf2-p1	-53.9	-43.0	-3255.5	-9318.8	-848.2	-2891.8	-2382.8	-6397.6	-848.4	-2892.6	-2386.0	-6404.3
c2mpyr-ntf2-p2	-42.9	-33.1	-3250.7	-9310.9	-847.9	-2891.6	-2382.6	-6396.6	-848.0	-2892.4	-2385.4	-6402.6
c2mpyr-ntf2-p3	-53.0	-42.1	-3254.9	-9318.1	-848.0	-2891.9	-2382.7	-6397.5	-848.2	-2892.6	-2385.9	-6404.2
c2mpyr-ntf2-p4	-52.0	-41.6	-3254.4	-9317.8	-848.0	-2891.9	-2382.7	-6397.5	-848.2	-2892.5	-2385.8	-6404.1
c2mpyr-ntf2-p5	-44.5	-34.4	-3251.2	-9311.6	-847.7	-2891.6	-2382.5	-6396.4	-847.9	-2892.3	-2385.5	-6402.7
c2mpyr-ntf2-p6	-41.9	-32.5	-3250.5	-9310.5	-848.1	-2891.9	-2382.6	-6396.5	-848.2	-2892.5	-2385.4	-6402.4
c2mpyr-pf6-p1	-38.2	-26.7	-2061.3	-6174.1	-848.1	-2892.0	-1195.9	-3261.2	-848.2	-2892.6	-1199.4	-3268.4
c2mpyr-pf6-p2	-36.3	-25.3	-2060.5	-6173.2	-848.1	-2892.0	-1196.0	-3261.3	-848.3	-2892.5	-1199.4	-3268.2
c2mpyr-pf6-p3	-35.6	-25.1	-2059.9	-6172.8	-848.0	-2891.9	-1196.0	-3261.3	-848.1	-2892.4	-1199.2	-3268.0
c2mpyr-tos-p1	-44.5	-31.4	-2266.2	-6847.3	-847.9	-2892.1	-1396.6	-3932.4	-848.1	-2892.9	-1400.6	-3940.6
c2mpyr-tos-p2	-41.1	-28.7	-2265.1	-6846.2	-848.5	-2892.6	-1396.6	-3932.4	-848.7	-2893.3	-1400.4	-3940.2
c3mim-bf4-p1	-39.5	-27.0	-1795.3	-5311.6	-992.0	-3130.2	-785.9	-2159.4	-992.3	-3131.5	-789.2	-2166.8
c3mim-bf4-p2	-38.5	-26.6	-1794.8	-5311.2	-992.0	-3130.1	-785.9	-2159.4	-992.3	-3131.5	-789.1	-2166.5
c3mim-br-p1	-50.8	-39.1	-1194.2	-3590.2	-993.4	-3137.9	-177.4	-425.0	-993.6	-3138.6	-180.5	-432.6
c3mim-br-p2	-37.8	-27.6	-1189.7	-3584.1	-994.1	-3139.5	-177.4	-425.0	-994.2	-3140.0	-180.0	-431.9
c3mim-br-p3	-42.1	-31.1	-1191.3	-3585.9	-993.7	-3139.0	-177.4	-425.0	-993.8	-3139.4	-180.3	-432.5
c3mim-br-p4	-51.8	-39.8	-1194.9	-3591.5	-993.7	-3138.5	-177.4	-425.0	-993.9	-3139.3	-180.6	-432.8
c3mim-cl-p1	-42.4	-32.1	-1142.3	-3548.1	-993.3	-3137.6	-129.6	-387.4	-993.5	-3138.3	-132.1	-394.4
c3mim-cl-p2	-33.7	-24.9	-1140.3	-3544.8	-994.3	-3140.1	-129.6	-387.4	-994.5	-3140.5	-131.6	-393.7
c3mim-cl-p3	-37.2	-27.5	-1141.5	-3546.1	-993.9	-3139.4	-129.6	-387.4	-994.0	-3139.8	-131.9	-394.3
c3mim-cl-p4	-42.4	-32.0	-1142.4	-3548.7	-993.5	-3138.2	-129.6	-387.4	-993.7	-3138.9	-132.1	-394.4
c3mim-dca-p1	-65.2	-56.8	-1646.0	-4874.0	-991.9	-3130.3	-624.0	-1708.6	-992.2	-3131.8	-625.9	-1713.2
c3mim-dca-p2	-66.2	-57.8	-1646.8	-4875.1	-992.3	-3131.0	-624.0	-1708.4	-992.7	-3132.4	-626.0	-1713.0
c3mim-dca-p3	-57.3	-49.5	-1643.0	-4870.7	-992.3	-3131.8	-623.8	-1708.5	-992.6	-3132.8	-625.6	-1713.2
c3mim-dca-p4	-67.7	-58.9	-1647.6	-4874.9	-992.0	-3130.6	-624.0	-1708.3	-992.4	-3132.0	-626.1	-1713.1
c3mim-dca-p5	-63.8	-55.7	-1644.6	-4872.6	-991.4	-3129.8	-623.9	-1708.3	-991.8	-3131.3	-625.7	-1712.7
c3mim-dca-p6	-62.9	-54.8	-1644.4	-4872.3	-991.5	-3129.8	-624.1	-1708.4	-991.9	-3131.2	-625.9	-1712.8
c3mim-mes-p1	-57.4	-41.4	-1767.6	-5271.9	-992.8	-3131.6	-747.7	-2110.1	-993.2	-3132.9	-752.3	-2119.7
c3mim-mes-p2	-50.0	-35.4	-1762.7	-5266.7	-991.7	-3129.8	-747.7	-2110.2	-992.0	-3131.1	-751.9	-2119.0
c3mim-ntf2-p1	-85.2	-68.5	-3414.7	-9575.1	-992.0	-3130.3	-2384.1	-6398.2	-992.5	-3132.2	-2388.7	-6407.9
c3mim-ntf2-p2	-58.5	-45.7	-3403.4	-9560.1	-992.2	-3131.7	-2383.7	-6397.3	-992.5	-3132.7	-2387.2	-6405.3
c3mim-ntf2-p3	-50.6	-38.3	-3400.4	-9553.9	-991.8	-3130.7	-2384.1	-6397.2	-992.1	-3132.0	-2387.5	-6404.5
c3mim-ntf2-p4	-72.8	-58.8	-3408.8	-9568.0	-991.6	-3129.5	-2384.4	-6398.5	-992.0	-3131.2	-2388.2	-6406.7
c3mim-pf6-p1	-44.0	-30.9	-2206.8	-6415.1	-991.7	-3129.8	-1195.8	-3260.6	-992.0	-3130.9	-1199.6	-3268.4
c3mim-pf6-p2	-39.9	-27.5	-2204.5	-6412.5	-991.3	-3129.1	-1195.8	-3260.8	-991.5	-3130.2	-1199.5	-3268.2
c3mim-tos-p1	-56.6	-40.9	-2416.7	-7092.7	-992.6	-3131.3	-1397.2	-3931.7	-993.0	-3132.7	-1401.7	-3941.0
c3mim-tos-p2	-53.3	-38.5	-2414.8	-7090.6	-992.3	-3130.7	-1397.3	-3931.8	-992.6	-3132.1	-1401.5	-3940.6

c3mpyr-bf4-p1	-38.5	-27.0	-1754.4	-5426.0	-951.5	-3246.8	-785.5	-2157.9	-951.7	-3247.6	-788.8	-2165.2
c3mpyr-bf4-p2	-36.1	-25.3	-1753.7	-5425.0	-951.9	-3247.1	-785.5	-2158.0	-952.1	-3247.8	-788.6	-2164.9
c3mpyr-bf4-p3	-35.9	-25.4	-1753.3	-5424.7	-951.6	-3247.0	-785.5	-2158.0	-951.8	-3247.6	-788.5	-2164.6
c3mpyr-br-p1	-52.3	-41.4	-1153.7	-3701.0	-952.2	-3247.8	-177.4	-425.0	-952.3	-3248.1	-180.4	-432.4
c3mpyr-br-p2	-49.7	-39.1	-1152.2	-3699.8	-952.1	-3247.9	-177.4	-425.0	-952.1	-3248.2	-180.3	-432.3
c3mpyr-br-p3	-49.7	-39.5	-1152.3	-3699.8	-952.1	-3247.9	-177.4	-425.0	-952.2	-3248.2	-180.2	-432.0
c3mpyr-cl-p1	-45.2	-36.0	-1102.5	-3659.8	-952.2	-3247.9	-129.6	-387.4	-952.3	-3248.2	-131.9	-394.0
c3mpyr-cl-p2	-44.0	-35.0	-1101.7	-3659.3	-952.0	-3248.0	-129.6	-387.4	-952.1	-3248.3	-131.8	-393.9
c3mpyr-cl-p3	-43.6	-34.9	-1101.7	-3659.1	-952.2	-3248.0	-129.6	-387.4	-952.3	-3248.3	-131.8	-393.7
c3mpyr-dca-p1	-45.3	-38.7	-1591.9	-4964.1	-951.8	-3247.2	-618.2	-1693.5	-952.0	-3247.9	-619.9	-1697.5
c3mpyr-dca-p2	-47.5	-40.8	-1592.6	-4965.5	-951.7	-3247.1	-618.1	-1693.7	-951.8	-3247.8	-619.9	-1697.7
c3mpyr-dca-p3	-43.7	-37.5	-1589.5	-4965.9	-951.8	-3247.2	-618.2	-1694.6	-951.9	-3247.8	-619.7	-1698.4
c3mpyr-dca-p4	-45.9	-39.7	-1591.8	-4965.0	-951.9	-3247.3	-618.1	-1693.5	-952.1	-3248.0	-619.7	-1697.3
c3mpyr-dca-p5	-47.8	-41.4	-1592.6	-4965.8	-951.7	-3247.2	-618.1	-1693.6	-951.9	-3247.9	-619.8	-1697.5
c3mpyr-mes-p1	-48.6	-34.3	-1722.3	-5383.9	-951.5	-3247.1	-747.7	-2111.3	-951.7	-3247.9	-752.0	-2120.3
c3mpyr-mes-p2	-44.4	-31.1	-1721.0	-5382.3	-952.2	-3247.6	-747.7	-2111.4	-952.3	-3248.3	-751.7	-2119.8
c3mpyr-mes-p3	-43.9	-31.1	-1720.4	-5381.7	-951.7	-3247.5	-747.7	-2111.3	-951.9	-3248.2	-751.5	-2119.5
c3mpyr-ntf2-p1	-55.9	-44.6	-3360.2	-9675.0	-951.9	-3247.0	-2382.8	-6397.6	-952.1	-3247.9	-2386.0	-6404.5
c3mpyr-ntf2-p2	-42.4	-33.0	-3354.4	-9665.4	-951.6	-3246.7	-2382.6	-6396.5	-951.8	-3247.4	-2385.3	-6402.3
c3mpyr-ntf2-p3	-53.2	-42.3	-3358.6	-9673.2	-951.6	-3246.8	-2382.7	-6397.5	-951.8	-3247.5	-2385.9	-6404.3
c3mpyr-ntf2-p4	-54.2	-43.2	-3359.1	-9673.8	-951.7	-3246.9	-2382.7	-6397.4	-951.8	-3247.6	-2385.9	-6404.2
c3mpyr-ntf2-p5	-44.5	-34.3	-3354.8	-9666.5	-951.4	-3246.6	-2382.5	-6396.3	-951.6	-3247.3	-2385.4	-6402.6
c3mpyr-ntf2-p6	-43.7	-33.8	-3355.0	-9666.5	-951.7	-3246.9	-2382.6	-6396.4	-951.9	-3247.6	-2385.5	-6402.6
c3mpyr-pf6-p1	-39.4	-27.5	-2165.1	-6529.6	-951.5	-3246.7	-1195.9	-3261.2	-951.6	-3247.3	-1199.6	-3268.7
c3mpyr-pf6-p2	-36.3	-25.2	-2164.0	-6528.1	-951.7	-3246.9	-1196.0	-3261.2	-951.9	-3247.4	-1199.4	-3268.2
c3mpyr-pf6-p3	-36.2	-25.4	-2163.8	-6528.1	-951.6	-3246.9	-1196.0	-3261.3	-951.7	-3247.4	-1199.3	-3268.1
c3mpyr-tos-p1	-45.7	-32.1	-2370.2	-7203.0	-951.5	-3247.1	-1396.6	-3932.3	-951.7	-3247.9	-1400.6	-3940.8
c3mpyr-tos-p2	-41.5	-28.9	-2368.8	-7201.3	-952.1	-3247.5	-1396.6	-3932.4	-952.3	-3248.3	-1400.4	-3940.2
c4mim-bf4-p1	-40.1	-27.4	-1899.2	-5666.4	-1095.6	-3484.5	-785.9	-2159.4	-1095.9	-3485.9	-789.3	-2167.0
c4mim-bf4-p2	-38.7	-26.7	-1898.4	-5665.5	-1095.5	-3484.3	-785.9	-2159.4	-1095.9	-3485.7	-789.1	-2166.5
c4mim-br-p1	-51.8	-39.8	-1298.2	-3945.7	-1097.0	-3492.8	-177.4	-425.0	-1097.2	-3493.5	-180.6	-432.8
c4mim-br-p2	-38.8	-28.4	-1293.7	-3939.6	-1097.7	-3494.5	-177.4	-425.0	-1097.8	-3494.9	-180.1	-432.1
c4mim-br-p3	-44.0	-32.5	-1295.7	-3941.8	-1097.3	-3493.9	-177.4	-425.0	-1097.5	-3494.3	-180.5	-432.8
c4mim-br-p4	-52.5	-40.3	-1298.7	-3946.5	-1097.2	-3493.2	-177.4	-425.0	-1097.4	-3494.0	-180.6	-432.9
c4mim-cl-p1	-43.1	-32.6	-1246.1	-3903.3	-1096.8	-3492.5	-129.6	-387.4	-1097.0	-3493.2	-132.1	-394.5
c4mim-cl-p2	-34.3	-25.3	-1244.2	-3900.0	-1097.9	-3495.0	-129.6	-387.4	-1098.0	-3495.4	-131.6	-393.8
c4mim-cl-p3	-38.5	-28.5	-1245.6	-3901.7	-1097.5	-3494.2	-129.6	-387.4	-1097.6	-3494.7	-132.0	-394.5
c4mim-cl-p4	-42.9	-32.3	-1246.1	-3903.7	-1097.0	-3492.9	-129.6	-387.4	-1097.2	-3493.6	-132.2	-394.5
c4mim-dca-p1	-66.0	-57.4	-1749.9	-5228.8	-1095.5	-3484.7	-624.0	-1708.6	-1095.9	-3486.1	-625.9	-1713.3

c4mim-dca-p2	-69.4	-60.3	-1752.0	-5230.3	-1095.6	-3485.0	-624.0	-1708.3	-1096.0	-3486.4	-626.2	-1713.3
c4mim-dca-p3	-64.1	-56.0	-1748.2	-5227.1	-1095.0	-3484.0	-623.9	-1708.3	-1095.4	-3485.5	-625.7	-1712.8
c4mim-mes-p1	-58.6	-42.4	-1871.7	-5626.9	-1096.4	-3485.9	-747.7	-2110.1	-1096.8	-3487.3	-752.4	-2119.9
c4mim-mes-p2	-50.1	-35.5	-1866.2	-5621.0	-1095.2	-3484.0	-747.7	-2110.2	-1095.5	-3485.2	-752.0	-2119.1
c4mim-pf6-p1	-46.9	-32.0	-2312.1	-6771.4	-1095.5	-3484.6	-1195.8	-3260.8	-1095.8	-3485.8	-1200.3	-3269.7
c4mim-pf6-p2	-40.0	-27.5	-2308.0	-6766.8	-1094.8	-3483.3	-1195.8	-3260.8	-1095.1	-3484.5	-1199.5	-3268.3
c4mim-tos-p1	-58.9	-42.8	-2521.4	-7448.4	-1096.3	-3485.7	-1397.2	-3931.7	-1096.7	-3487.2	-1401.8	-3941.3
c4mim-tos-p2	-54.4	-39.7	-2519.3	-7445.8	-1096.2	-3485.5	-1397.2	-3931.7	-1096.6	-3487.0	-1401.4	-3940.4
c4mpyr-bf4-p1	-38.6	-27.0	-1857.9	-5780.6	-1055.0	-3601.4	-785.5	-2158.0	-1055.2	-3602.2	-788.8	-2165.3
c4mpyr-bf4-p2	-36.2	-25.4	-1857.1	-5779.7	-1055.3	-3601.7	-785.5	-2158.0	-1055.5	-3602.4	-788.6	-2164.9
c4mpyr-bf4-p3	-36.1	-25.5	-1856.8	-5779.5	-1055.1	-3601.7	-785.5	-2158.0	-1055.3	-3602.3	-788.5	-2164.7
c4mpyr-br-p1	-52.5	-41.5	-1257.2	-4055.7	-1055.7	-3602.4	-177.4	-425.0	-1055.8	-3602.7	-180.4	-432.5
c4mpyr-br-p2	-50.1	-39.3	-1255.8	-4054.6	-1055.5	-3602.5	-177.4	-425.0	-1055.6	-3602.8	-180.3	-432.4
c4mpyr-br-p3	-50.0	-39.7	-1255.9	-4054.5	-1055.6	-3602.5	-177.4	-425.0	-1055.7	-3602.8	-180.2	-432.0
c4mpyr-cl-p1	-45.2	-35.9	-1205.9	-4014.3	-1055.7	-3602.4	-129.6	-387.4	-1055.8	-3602.7	-131.9	-394.0
c4mpyr-cl-p2	-44.5	-35.4	-1205.5	-4014.3	-1055.5	-3602.7	-129.6	-387.4	-1055.6	-3603.0	-131.9	-393.9
c4mpyr-cl-p3	-43.6	-34.8	-1205.1	-4013.7	-1055.6	-3602.6	-129.6	-387.4	-1055.7	-3602.8	-131.8	-393.7
c4mpyr-dca-p1	-45.3	-39.1	-1694.4	-5319.4	-1055.2	-3601.5	-618.1	-1693.7	-1055.4	-3602.3	-619.7	-1697.4
c4mpyr-dca-p2	-47.5	-40.8	-1696.1	-5320.1	-1055.2	-3601.8	-618.1	-1693.6	-1055.3	-3602.5	-619.9	-1697.7
c4mpyr-dca-p3	-46.0	-39.3	-1695.6	-5319.0	-1055.2	-3601.7	-618.2	-1693.5	-1055.4	-3602.4	-620.0	-1697.6
c4mpyr-dca-p4	-46.9	-40.4	-1695.4	-5320.1	-1055.1	-3601.7	-618.1	-1693.6	-1055.3	-3602.5	-619.8	-1697.4
c4mpyr-dca-p5	-48.0	-41.5	-1696.1	-5320.5	-1055.2	-3601.7	-618.1	-1693.6	-1055.4	-3602.4	-619.8	-1697.5
c4mpyr-mes-p1	-48.6	-34.3	-1825.8	-5738.4	-1055.0	-3601.6	-747.7	-2111.3	-1055.2	-3602.4	-752.0	-2120.3
c4mpyr-mes-p2	-44.9	-31.5	-1824.7	-5737.2	-1055.6	-3602.2	-747.7	-2111.4	-1055.8	-3602.9	-751.8	-2119.9
c4mpyr-mes-p3	-44.1	-31.2	-1824.0	-5736.5	-1055.2	-3602.1	-747.7	-2111.3	-1055.4	-3602.8	-751.5	-2119.5
c4mpyr-ntf2-p1	-56.1	-44.7	-3463.6	-10029.6	-1055.3	-3601.5	-2382.7	-6397.5	-1055.5	-3602.4	-2386.0	-6404.5
c4mpyr-ntf2-p2	-47.8	-36.9	-3460.0	-10022.7	-1055.0	-3601.2	-2382.5	-6396.1	-1055.2	-3602.2	-2385.6	-6402.7
c4mpyr-ntf2-p3	-54.5	-43.3	-3462.7	-10028.6	-1055.1	-3601.5	-2382.7	-6397.5	-1055.2	-3602.3	-2386.0	-6404.4
c4mpyr-ntf2-p4	-55.3	-44.1	-3463.0	-10029.0	-1055.1	-3601.5	-2382.7	-6397.5	-1055.3	-3602.3	-2386.0	-6404.5
c4mpyr-ntf2-p5	-45.1	-34.8	-3458.5	-10021.5	-1054.8	-3601.2	-2382.5	-6396.3	-1055.0	-3602.0	-2385.5	-6402.7
c4mpyr-ntf2-p6	-45.4	-35.0	-3459.1	-10021.9	-1055.2	-3601.5	-2382.5	-6396.3	-1055.4	-3602.2	-2385.6	-6402.8
c4mpyr-pf6-p1	-39.5	-27.5	-2268.6	-6884.3	-1054.9	-3601.3	-1195.9	-3261.2	-1055.1	-3601.9	-1199.6	-3268.8
c4mpyr-pf6-p2	-36.6	-25.5	-2267.6	-6883.0	-1055.2	-3601.5	-1196.0	-3261.2	-1055.3	-3602.1	-1199.4	-3268.3
c4mpyr-pf6-p3	-36.4	-25.5	-2267.3	-6882.9	-1055.1	-3601.5	-1196.0	-3261.3	-1055.2	-3602.0	-1199.3	-3268.2
c4mpyr-tos-p1	-45.9	-32.3	-2473.9	-7557.8	-1055.1	-3601.7	-1396.6	-3932.4	-1055.3	-3602.6	-1400.7	-3940.9
c4mpyr-tos-p2	-42.1	-29.4	-2472.7	-7556.4	-1055.6	-3602.2	-1396.7	-3932.5	-1055.8	-3602.9	-1400.5	-3940.4

2.2.9 MCCT basis set

Table S 10: Raw MCCT energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-31.8	-24.7	-1589.2	-4610.2	-783.5	-2421.8	-791.6	-2170.7	-783.9	-2423.5	-792.8	-2174.5
c1mim-br-p1	-50.2	-37.6	-987.1	-2883.8	-785.5	-2429.6	-178.4	-427.2	-785.7	-2430.4	-181.8	-435.4
c1mim-br-p2	-33.8	-23.3	-980.0	-2874.2	-785.2	-2429.6	-178.4	-427.2	-785.3	-2430.0	-181.3	-434.4
c1mim-cl-p1	-39.3	-29.9	-935.1	-2841.8	-785.3	-2429.3	-131.4	-391.6	-785.5	-2430.0	-133.6	-397.8
c1mim-cl-p2	-28.9	-20.8	-931.5	-2836.0	-785.4	-2430.2	-131.4	-391.6	-785.5	-2430.6	-133.2	-397.3
c1mim-dca-p1	-62.0	-54.4	-1439.4	-4169.7	-784.0	-2423.1	-626.9	-1713.2	-784.4	-2424.7	-628.2	-1717.5
c1mim-dca-p2	-46.0	-39.8	-1432.4	-4161.8	-784.1	-2424.2	-626.5	-1713.3	-784.3	-2425.2	-627.7	-1717.3
c1mim-mes-p1	-43.5	-34.0	-1559.1	-4567.3	-784.0	-2422.7	-754.1	-2122.0	-784.4	-2424.2	-756.2	-2127.5
c1mim-ntf2-p1	-72.4	-60.1	-3212.6	-8885.1	-783.5	-2421.9	-2396.7	-6423.2	-784.2	-2424.6	-2398.9	-6429.9
c1mim-ntf2-p2	-40.8	-31.8	-3199.1	-8866.7	-783.8	-2423.7	-2396.0	-6421.5	-784.2	-2425.2	-2397.7	-6426.9
c1mim-ntf2-p3	-43.0	-33.4	-3200.9	-8867.2	-783.6	-2422.7	-2396.6	-6422.1	-784.1	-2424.8	-2398.4	-6427.5
c1mim-pf6-p1	-35.3	-26.5	-2003.7	-5719.6	-783.5	-2421.9	-1204.5	-3278.1	-783.9	-2423.5	-1206.4	-3283.0
c1mim-tos-p1	-41.7	-32.6	-2207.8	-6389.1	-783.7	-2422.4	-1404.1	-3945.1	-784.1	-2424.1	-1405.9	-3950.2
c1mpyr-bf4-p1	-31.5	-25.2	-1547.2	-4720.9	-741.3	-2534.9	-791.2	-2169.2	-741.5	-2536.0	-792.4	-2173.0
c1mpyr-bf4-p2	-28.9	-23.3	-1546.1	-4719.8	-741.5	-2535.1	-791.2	-2169.2	-741.6	-2536.0	-792.3	-2172.7
c1mpyr-br-p1	-50.9	-39.3	-943.9	-2990.6	-742.0	-2536.0	-178.4	-427.2	-742.1	-2536.3	-181.7	-435.1
c1mpyr-br-p2	-48.3	-37.4	-942.7	-2989.4	-742.0	-2536.2	-178.4	-427.2	-742.0	-2536.5	-181.5	-434.7
c1mpyr-cl-p1	-42.3	-33.8	-893.3	-2950.1	-742.0	-2536.1	-131.4	-391.6	-742.1	-2536.4	-133.5	-397.6
c1mpyr-cl-p2	-41.0	-32.7	-892.6	-2949.6	-742.0	-2536.2	-131.4	-391.6	-742.1	-2536.5	-133.5	-397.4
c1mpyr-dca-p1	-42.8	-37.1	-1383.4	-4256.1	-741.9	-2535.7	-620.9	-1698.4	-742.0	-2536.5	-622.0	-1702.0
c1mpyr-dca-p2	-46.3	-40.7	-1384.5	-4258.5	-741.7	-2535.4	-620.8	-1698.7	-741.9	-2536.2	-622.0	-1702.3
c1mpyr-dca-p3	-43.5	-38.2	-1381.6	-4258.6	-741.4	-2535.2	-620.8	-1699.3	-741.6	-2536.0	-621.7	-1702.6
c1mpyr-dca-p4	-45.0	-39.2	-1383.5	-4257.6	-741.4	-2535.2	-620.9	-1698.7	-741.6	-2536.0	-622.0	-1702.3
c1mpyr-mes-p1	-39.8	-31.2	-1515.2	-4678.5	-741.3	-2535.2	-754.1	-2123.2	-741.5	-2536.2	-756.1	-2128.6
c1mpyr-mes-p2	-35.5	-27.5	-1513.3	-4676.6	-741.5	-2535.6	-754.1	-2123.2	-741.7	-2536.4	-756.0	-2128.4
c1mpyr-ntf2-p1	-49.3	-40.8	-3159.2	-8984.7	-741.6	-2535.0	-2395.4	-6422.6	-741.9	-2536.3	-2397.1	-6427.8
c1mpyr-ntf2-p2	-37.7	-30.0	-3154.3	-8976.3	-741.4	-2534.8	-2395.3	-6421.6	-741.7	-2536.1	-2396.8	-6426.1
c1mpyr-ntf2-p3	-47.9	-39.6	-3158.6	-8983.7	-741.6	-2535.2	-2395.3	-6422.4	-741.9	-2536.4	-2396.9	-6427.5
c1mpyr-ntf2-p5	-38.6	-31.0	-3155.0	-8976.7	-741.6	-2535.0	-2395.2	-6421.3	-741.8	-2536.2	-2396.7	-6425.9
c1mpyr-pf6-p1	-32.4	-25.0	-1960.9	-5830.8	-741.3	-2534.9	-1204.6	-3278.5	-741.5	-2535.8	-1206.4	-3283.0
c1mpyr-pf6-p2	-29.8	-23.0	-1959.8	-5829.6	-741.4	-2535.0	-1204.7	-3278.6	-741.6	-2535.8	-1206.3	-3282.8
c1mpyr-tos-p1	-37.6	-29.4	-2163.7	-6499.6	-741.3	-2535.3	-1403.4	-3945.6	-741.6	-2536.3	-1405.2	-3950.7
c1mpyr-tos-p2	-33.1	-25.4	-2161.2	-6497.5	-741.5	-2535.4	-1403.3	-3945.5	-741.7	-2536.3	-1405.1	-3950.4

c2mim-bf4-p1	-33.8	-26.2	-1695.5	-4966.9	-888.7	-2777.6	-791.5	-2170.7	-889.2	-2779.4	-792.8	-2174.8
c2mim-bf4-p2	-31.6	-24.4	-1693.9	-4965.2	-888.3	-2777.0	-791.6	-2170.8	-888.7	-2778.7	-792.8	-2174.6
c2mim-br-p1	-52.2	-38.8	-1092.6	-3240.2	-890.2	-2784.8	-178.4	-427.2	-890.4	-2785.6	-182.1	-436.0
c2mim-br-p2	-38.0	-26.5	-1087.9	-3233.6	-891.1	-2786.8	-178.4	-427.2	-891.2	-2787.2	-181.5	-435.0
c2mim-br-p3	-38.3	-26.9	-1087.2	-3232.9	-890.3	-2785.8	-178.4	-427.2	-890.4	-2786.2	-181.5	-435.0
c2mim-br-p4	-52.0	-39.0	-1093.2	-3241.1	-890.8	-2785.9	-178.4	-427.2	-891.0	-2786.7	-182.0	-435.7
c2mim-cl-p1	-41.4	-31.4	-1040.8	-3198.4	-890.1	-2784.7	-131.4	-391.6	-890.3	-2785.4	-133.8	-398.3
c2mim-cl-p2	-31.6	-22.9	-1038.6	-3194.7	-891.4	-2787.3	-131.4	-391.6	-891.5	-2787.8	-133.4	-397.7
c2mim-cl-p3	-32.2	-23.4	-1038.0	-3194.0	-890.6	-2786.3	-131.4	-391.6	-890.7	-2786.8	-133.5	-397.8
c2mim-cl-p4	-40.6	-30.9	-1040.9	-3198.7	-890.6	-2785.5	-131.4	-391.6	-890.7	-2786.3	-133.7	-398.0
c2mim-dca-p1	-63.9	-56.0	-1544.7	-4526.1	-888.6	-2777.9	-626.7	-1713.6	-889.0	-2779.6	-628.1	-1718.1
c2mim-dca-p2	-59.9	-52.3	-1543.3	-4523.7	-888.8	-2778.0	-626.8	-1713.5	-889.2	-2779.6	-628.1	-1717.7
c2mim-dca-p3	-64.0	-56.2	-1545.8	-4526.5	-889.3	-2778.6	-626.9	-1713.4	-889.7	-2780.2	-628.3	-1717.9
c2mim-dca-p4	-60.8	-53.3	-1543.5	-4524.2	-888.7	-2778.0	-626.8	-1713.4	-889.1	-2779.6	-628.1	-1717.7
c2mim-dca-p5	-62.4	-54.6	-1544.3	-4525.1	-888.7	-2778.1	-626.9	-1713.2	-889.1	-2779.8	-628.2	-1717.7
c2mim-dca-p6	-62.7	-55.0	-1544.1	-4525.3	-888.6	-2777.8	-626.9	-1713.4	-889.0	-2779.4	-628.2	-1717.8
c2mim-mes-p1	-49.3	-39.0	-1667.2	-4926.4	-889.5	-2778.8	-754.1	-2121.9	-889.9	-2780.5	-756.3	-2127.9
c2mim-mes-p2	-44.5	-34.5	-1664.0	-4923.0	-888.6	-2777.6	-754.2	-2122.0	-889.0	-2779.2	-756.3	-2127.9
c2mim-ntf2-p1	-79.4	-65.4	-3321.0	-9244.8	-888.8	-2777.7	-2396.7	-6423.1	-889.5	-2780.7	-2399.3	-6430.9
c2mim-ntf2-p2	-51.3	-40.6	-3309.2	-9229.2	-889.1	-2779.4	-2396.3	-6422.4	-889.5	-2781.2	-2398.4	-6428.8
c2mim-ntf2-p3	-46.5	-36.0	-3307.6	-9224.4	-888.6	-2778.2	-2396.6	-6422.1	-889.1	-2780.4	-2398.6	-6427.9
c2mim-ntf2-p4	-69.4	-56.9	-3317.0	-9239.3	-888.7	-2777.7	-2397.0	-6423.5	-889.4	-2780.4	-2399.3	-6430.3
c2mim-pf6-p1	-39.0	-29.4	-2110.6	-6077.1	-888.6	-2777.6	-1204.5	-3278.1	-889.1	-2779.3	-1206.6	-3283.4
c2mim-pf6-p2	-35.9	-26.7	-2108.6	-6075.1	-888.3	-2776.9	-1204.5	-3278.1	-888.7	-2778.6	-1206.5	-3283.2
c2mim-tos-p1	-49.1	-38.8	-2316.9	-6749.1	-889.3	-2778.6	-1404.0	-3944.9	-889.8	-2780.5	-1406.1	-3950.8
c2mim-tos-p2	-43.3	-33.5	-2313.4	-6745.2	-888.6	-2777.7	-1404.0	-3945.1	-889.1	-2779.5	-1406.0	-3950.6
c2mpyr-bf4-p1	-32.3	-25.7	-1654.3	-5079.9	-848.2	-2893.4	-791.2	-2169.2	-848.5	-2894.5	-792.4	-2173.2
c2mpyr-bf4-p2	-30.4	-24.2	-1654.0	-5079.3	-848.7	-2893.8	-791.2	-2169.3	-848.9	-2894.8	-792.4	-2173.1
c2mpyr-bf4-p3	-30.1	-23.9	-1653.4	-5078.9	-848.3	-2893.6	-791.2	-2169.2	-848.5	-2894.5	-792.4	-2173.0
c2mpyr-br-p1	-52.5	-40.2	-1051.4	-3349.9	-848.8	-2894.3	-178.4	-427.2	-848.9	-2894.7	-181.8	-435.5
c2mpyr-br-p2	-50.6	-38.7	-1050.5	-3349.4	-848.8	-2894.9	-178.4	-427.2	-848.9	-2895.2	-181.8	-435.3
c2mpyr-br-p3	-49.7	-38.2	-1050.0	-3348.5	-848.7	-2894.4	-178.4	-427.2	-848.8	-2894.8	-181.6	-435.1
c2mpyr-cl-p1	-43.4	-34.3	-1000.5	-3309.2	-848.9	-2894.4	-131.4	-391.6	-849.0	-2894.8	-133.6	-397.9
c2mpyr-cl-p2	-42.2	-33.4	-999.7	-3308.7	-848.6	-2894.6	-131.4	-391.6	-848.7	-2894.9	-133.6	-397.8
c2mpyr-cl-p3	-41.7	-33.1	-999.7	-3308.4	-848.9	-2894.6	-131.4	-391.6	-848.9	-2894.9	-133.5	-397.6
c2mpyr-dca-p1	-43.1	-37.3	-1490.4	-4614.8	-848.7	-2894.0	-620.9	-1698.4	-848.9	-2894.9	-622.0	-1702.1
c2mpyr-dca-p2	-46.6	-40.4	-1491.5	-4616.9	-848.3	-2893.7	-620.9	-1698.8	-848.6	-2894.6	-622.2	-1702.6
c2mpyr-dca-p3	-46.9	-41.0	-1491.4	-4617.2	-848.4	-2893.8	-620.9	-1698.7	-848.6	-2894.6	-622.0	-1702.3
c2mpyr-mes-p1	-41.6	-32.4	-1622.7	-5038.1	-848.2	-2893.7	-754.1	-2123.2	-848.5	-2894.7	-756.3	-2129.0

c2mpyr-mes-p2	-38.2	-29.6	-1621.7	-5037.0	-848.9	-2894.2	-754.2	-2123.3	-849.1	-2895.1	-756.2	-2128.8
c2mpyr-mes-p3	-37.5	-28.8	-1620.9	-5036.3	-848.4	-2894.1	-754.1	-2123.2	-848.6	-2894.9	-756.2	-2128.8
c2mpyr-ntf2-p1	-50.8	-41.7	-3267.0	-9343.9	-848.5	-2893.3	-2395.5	-6422.7	-848.9	-2894.8	-2397.3	-6428.2
c2mpyr-ntf2-p2	-40.1	-31.9	-3262.3	-9336.2	-848.2	-2893.2	-2395.3	-6421.7	-848.5	-2894.6	-2396.9	-6426.6
c2mpyr-ntf2-p3	-49.7	-40.8	-3266.3	-9343.2	-848.4	-2893.4	-2395.4	-6422.6	-848.7	-2894.8	-2397.3	-6428.0
c2mpyr-ntf2-p4	-48.8	-40.1	-3265.8	-9342.9	-848.3	-2893.4	-2395.4	-6422.7	-848.6	-2894.7	-2397.2	-6428.1
c2mpyr-ntf2-p5	-41.4	-33.3	-3262.7	-9336.7	-848.0	-2893.2	-2395.2	-6421.5	-848.4	-2894.5	-2396.8	-6426.4
c2mpyr-ntf2-p6	-38.9	-31.2	-3262.1	-9335.7	-848.4	-2893.4	-2395.4	-6421.7	-848.7	-2894.7	-2396.9	-6426.3
c2mpyr-pf6-p1	-33.4	-25.4	-2068.4	-6190.0	-848.4	-2893.5	-1204.6	-3278.5	-848.6	-2894.5	-1206.5	-3283.3
c2mpyr-pf6-p2	-31.3	-24.0	-2067.5	-6189.0	-848.4	-2893.5	-1204.7	-3278.6	-848.7	-2894.5	-1206.4	-3283.1
c2mpyr-pf6-p3	-30.8	-23.5	-2067.1	-6188.7	-848.3	-2893.4	-1204.7	-3278.6	-848.5	-2894.3	-1206.4	-3283.1
c2mpyr-tos-p1	-39.7	-30.7	-2271.3	-6859.3	-848.2	-2893.6	-1403.5	-3945.7	-848.5	-2894.9	-1405.4	-3951.2
c2mpyr-tos-p2	-36.5	-28.0	-2270.3	-6858.2	-848.8	-2894.2	-1403.4	-3945.6	-849.1	-2895.2	-1405.3	-3950.9
c3mim-bf4-p1	-34.7	-26.8	-1799.8	-5322.1	-992.6	-3132.3	-791.6	-2170.7	-993.0	-3134.1	-792.9	-2175.0
c3mim-bf4-p2	-33.8	-26.2	-1799.3	-5321.7	-992.6	-3132.3	-791.6	-2170.8	-993.0	-3134.1	-792.8	-2174.9
c3mim-br-p1	-53.2	-39.4	-1196.9	-3596.0	-994.0	-3140.0	-178.4	-427.2	-994.2	-3140.8	-182.2	-436.2
c3mim-br-p2	-38.6	-26.9	-1191.7	-3588.9	-994.7	-3141.7	-178.4	-427.2	-994.8	-3142.2	-181.6	-435.2
c3mim-br-p3	-42.9	-30.5	-1193.3	-3590.6	-994.3	-3141.1	-178.4	-427.2	-994.4	-3141.6	-181.8	-435.6
c3mim-br-p4	-54.2	-40.1	-1197.6	-3597.1	-994.3	-3140.7	-178.4	-427.2	-994.5	-3141.5	-182.2	-436.4
c3mim-cl-p1	-42.1	-31.8	-1144.9	-3553.9	-993.9	-3139.8	-131.4	-391.6	-994.1	-3140.5	-133.8	-398.4
c3mim-cl-p2	-31.9	-23.0	-1142.3	-3549.8	-995.0	-3142.3	-131.4	-391.6	-995.1	-3142.8	-133.4	-397.8
c3mim-cl-p3	-35.4	-26.1	-1143.4	-3551.0	-994.5	-3141.5	-131.4	-391.6	-994.6	-3142.0	-133.6	-398.1
c3mim-cl-p4	-41.9	-31.7	-1144.9	-3554.4	-994.1	-3140.3	-131.4	-391.6	-994.3	-3141.1	-133.8	-398.4
c3mim-dca-p1	-65.0	-56.8	-1648.9	-4881.3	-992.4	-3132.4	-626.8	-1713.7	-992.8	-3134.1	-628.2	-1718.3
c3mim-dca-p2	-66.1	-57.9	-1649.8	-4882.5	-992.8	-3133.1	-626.8	-1713.5	-993.3	-3134.9	-628.2	-1718.0
c3mim-dca-p3	-56.3	-49.0	-1645.8	-4877.6	-992.9	-3133.9	-626.6	-1713.6	-993.2	-3135.2	-627.9	-1718.0
c3mim-dca-p4	-67.2	-59.0	-1650.5	-4882.2	-992.6	-3132.7	-626.8	-1713.3	-993.0	-3134.4	-628.2	-1718.0
c3mim-dca-p5	-63.9	-55.9	-1647.8	-4880.2	-992.0	-3131.9	-626.7	-1713.4	-992.4	-3133.7	-628.0	-1717.8
c3mim-dca-p6	-63.0	-55.1	-1647.6	-4879.9	-992.1	-3132.0	-626.9	-1713.4	-992.5	-3133.7	-628.3	-1717.9
c3mim-mes-p1	-52.0	-41.1	-1772.5	-5282.7	-993.4	-3133.7	-754.1	-2121.9	-993.8	-3135.5	-756.4	-2128.4
c3mim-mes-p2	-45.2	-34.9	-1767.8	-5277.8	-992.3	-3131.9	-754.2	-2122.1	-992.7	-3133.6	-756.4	-2128.0
c3mim-ntf2-p1	-83.4	-68.4	-3426.6	-9601.7	-992.6	-3132.4	-2396.7	-6423.2	-993.4	-3135.5	-2399.5	-6431.5
c3mim-ntf2-p2	-55.7	-44.2	-3415.0	-9586.0	-992.8	-3133.8	-2396.3	-6422.4	-993.3	-3135.8	-2398.6	-6429.3
c3mim-ntf2-p3	-48.5	-37.5	-3412.3	-9580.2	-992.3	-3132.8	-2396.7	-6422.1	-992.9	-3135.1	-2398.7	-6428.3
c3mim-ntf2-p4	-70.8	-58.4	-3420.7	-9594.4	-992.2	-3131.6	-2397.0	-6423.5	-992.8	-3134.4	-2399.2	-6430.3
c3mim-pf6-p1	-40.0	-30.5	-2214.4	-6432.1	-992.3	-3131.9	-1204.4	-3277.9	-992.7	-3133.7	-1206.5	-3283.2
c3mim-pf6-p2	-36.1	-26.8	-2212.3	-6429.6	-991.9	-3131.3	-1204.5	-3278.1	-992.3	-3133.0	-1206.5	-3283.3
c3mim-tos-p1	-52.4	-41.4	-2422.3	-7105.7	-993.2	-3133.4	-1404.0	-3945.0	-993.7	-3135.5	-1406.2	-3951.2
c3mim-tos-p2	-49.4	-39.0	-2420.5	-7103.7	-992.8	-3132.8	-1404.1	-3945.1	-993.3	-3134.8	-1406.1	-3951.0

c3mpyr-bf4-p1	-32.8	-26.0	-1758.2	-5435.4	-951.9	-3248.6	-791.2	-2169.2	-952.2	-3249.8	-792.4	-2173.2
c3mpyr-bf4-p2	-30.6	-24.2	-1757.6	-5434.6	-952.3	-3248.9	-791.2	-2169.2	-952.5	-3250.0	-792.4	-2173.1
c3mpyr-bf4-p3	-30.5	-24.2	-1757.3	-5434.4	-952.0	-3248.8	-791.2	-2169.2	-952.2	-3249.8	-792.4	-2173.1
c3mpyr-br-p1	-53.6	-41.0	-1155.6	-3705.7	-952.6	-3249.5	-178.4	-427.2	-952.7	-3250.0	-181.9	-435.7
c3mpyr-br-p2	-50.8	-38.5	-1154.1	-3704.4	-952.4	-3249.6	-178.4	-427.2	-952.5	-3250.1	-181.8	-435.5
c3mpyr-br-p3	-50.8	-38.9	-1154.2	-3704.3	-952.5	-3249.7	-178.4	-427.2	-952.6	-3250.1	-181.7	-435.3
c3mpyr-cl-p1	-44.0	-34.7	-1104.5	-3664.7	-952.6	-3249.6	-131.4	-391.6	-952.7	-3250.0	-133.7	-398.0
c3mpyr-cl-p2	-42.7	-33.6	-1103.6	-3664.2	-952.4	-3249.7	-131.4	-391.6	-952.5	-3250.1	-133.6	-397.9
c3mpyr-cl-p3	-42.2	-33.4	-1103.6	-3663.9	-952.6	-3249.8	-131.4	-391.6	-952.6	-3250.1	-133.6	-397.8
c3mpyr-dca-p1	-44.4	-38.4	-1594.5	-4970.6	-952.2	-3249.0	-621.0	-1698.6	-952.4	-3249.9	-622.1	-1702.3
c3mpyr-dca-p2	-46.7	-40.4	-1595.2	-4972.2	-952.0	-3248.9	-620.9	-1698.8	-952.3	-3249.8	-622.2	-1702.7
c3mpyr-dca-p3	-42.6	-37.2	-1592.0	-4972.3	-952.1	-3248.9	-621.0	-1699.6	-952.4	-3249.9	-621.9	-1702.9
c3mpyr-dca-p4	-45.1	-39.3	-1594.4	-4971.6	-952.3	-3249.1	-620.8	-1698.7	-952.5	-3250.0	-622.0	-1702.3
c3mpyr-dca-p5	-47.0	-41.0	-1595.1	-4972.4	-952.1	-3248.9	-620.9	-1698.7	-952.3	-3249.8	-622.0	-1702.4
c3mpyr-mes-p1	-42.6	-33.1	-1726.8	-5393.9	-951.9	-3248.8	-754.1	-2123.2	-952.2	-3250.0	-756.3	-2129.1
c3mpyr-mes-p2	-38.7	-29.8	-1725.6	-5392.5	-952.6	-3249.3	-754.2	-2123.3	-952.8	-3250.4	-756.2	-2128.9
c3mpyr-mes-p3	-38.4	-29.5	-1725.0	-5392.1	-952.1	-3249.3	-754.1	-2123.2	-952.3	-3250.2	-756.2	-2128.9
c3mpyr-ntf2-p1	-53.0	-43.5	-3371.7	-9700.6	-952.3	-3248.8	-2395.5	-6422.7	-952.7	-3250.4	-2397.4	-6428.4
c3mpyr-ntf2-p2	-40.3	-32.0	-3366.3	-9691.4	-952.0	-3248.5	-2395.3	-6421.6	-952.3	-3249.9	-2396.9	-6426.6
c3mpyr-ntf2-p3	-50.2	-41.0	-3370.2	-9698.7	-952.0	-3248.5	-2395.5	-6422.7	-952.3	-3250.0	-2397.3	-6428.2
c3mpyr-ntf2-p4	-51.1	-41.8	-3370.5	-9699.2	-952.0	-3248.7	-2395.4	-6422.5	-952.4	-3250.1	-2397.3	-6428.2
c3mpyr-ntf2-p5	-41.6	-33.2	-3366.4	-9692.0	-951.7	-3248.3	-2395.2	-6421.5	-952.1	-3249.8	-2396.8	-6426.5
c3mpyr-ntf2-p6	-40.8	-32.6	-3366.5	-9691.9	-952.1	-3248.7	-2395.3	-6421.6	-952.4	-3250.0	-2396.9	-6426.5
c3mpyr-pf6-p1	-34.4	-26.2	-2172.2	-6545.6	-951.8	-3248.4	-1204.6	-3278.5	-952.1	-3249.6	-1206.5	-3283.4
c3mpyr-pf6-p2	-31.5	-23.9	-2171.2	-6544.3	-952.1	-3248.6	-1204.6	-3278.6	-952.3	-3249.6	-1206.4	-3283.1
c3mpyr-pf6-p3	-31.5	-24.0	-2171.0	-6544.3	-951.9	-3248.6	-1204.7	-3278.6	-952.2	-3249.5	-1206.5	-3283.2
c3mpyr-tos-p1	-41.0	-31.6	-2375.4	-7215.2	-951.9	-3248.8	-1403.3	-3945.5	-952.2	-3250.1	-1405.4	-3951.3
c3mpyr-tos-p2	-37.1	-28.3	-2374.1	-7213.7	-952.5	-3249.3	-1403.3	-3945.6	-952.8	-3250.5	-1405.3	-3950.9
c4mim-bf4-p1	-35.3	-27.3	-1903.7	-5677.0	-1096.2	-3486.9	-791.6	-2170.7	-1096.7	-3488.8	-792.9	-2175.1
c4mim-bf4-p2	-34.1	-26.4	-1903.0	-5676.3	-1096.2	-3486.7	-791.6	-2170.8	-1096.6	-3488.5	-792.9	-2175.0
c4mim-br-p1	-54.4	-40.3	-1301.0	-3951.8	-1097.6	-3495.2	-178.4	-427.2	-1097.8	-3496.0	-182.3	-436.5
c4mim-br-p2	-39.7	-27.7	-1295.9	-3944.7	-1098.4	-3496.9	-178.4	-427.2	-1098.5	-3497.4	-181.7	-435.4
c4mim-br-p3	-45.0	-32.1	-1297.9	-3946.9	-1098.0	-3496.2	-178.4	-427.2	-1098.1	-3496.7	-181.9	-435.9
c4mim-br-p4	-54.9	-40.6	-1301.4	-3952.5	-1097.8	-3495.6	-178.4	-427.2	-1098.0	-3496.5	-182.3	-436.5
c4mim-cl-p1	-42.8	-32.4	-1248.8	-3909.4	-1097.5	-3494.9	-131.4	-391.6	-1097.7	-3495.6	-133.9	-398.6
c4mim-cl-p2	-32.6	-23.5	-1246.3	-3905.3	-1098.6	-3497.4	-131.4	-391.6	-1098.7	-3497.9	-133.5	-397.9
c4mim-cl-p3	-36.9	-27.2	-1247.7	-3906.9	-1098.1	-3496.6	-131.4	-391.6	-1098.2	-3497.1	-133.7	-398.4
c4mim-cl-p4	-42.5	-32.1	-1248.7	-3909.7	-1097.6	-3495.3	-131.4	-391.6	-1097.8	-3496.1	-133.8	-398.6
c4mim-dca-p1	-65.8	-57.5	-1753.0	-5236.4	-1096.1	-3487.0	-626.8	-1713.7	-1096.5	-3488.8	-628.2	-1718.4

c4mim-dca-p2	-69.0	-60.4	-1755.0	-5237.8	-1096.3	-3487.3	-626.8	-1713.4	-1096.7	-3489.1	-628.3	-1718.2
c4mim-dca-p3	-64.4	-56.2	-1751.5	-5235.0	-1095.6	-3486.4	-626.7	-1713.4	-1096.1	-3488.2	-628.1	-1717.9
c4mim-mes-p1	-53.4	-42.1	-1876.7	-5638.0	-1097.1	-3488.2	-754.1	-2121.9	-1097.5	-3490.1	-756.5	-2128.6
c4mim-mes-p2	-45.4	-35.0	-1871.4	-5632.3	-1095.8	-3486.3	-754.2	-2122.1	-1096.2	-3488.0	-756.4	-2128.1
c4mim-pf6-p1	-42.0	-31.6	-2319.5	-6788.1	-1096.2	-3486.9	-1204.5	-3278.1	-1096.6	-3488.8	-1206.7	-3283.9
c4mim-pf6-p2	-36.3	-26.9	-2315.9	-6784.2	-1095.4	-3485.7	-1204.5	-3278.1	-1095.9	-3487.4	-1206.6	-3283.4
c4mim-tos-p1	-54.7	-43.3	-2527.1	-7461.7	-1096.9	-3488.1	-1404.0	-3945.0	-1097.5	-3490.2	-1406.3	-3951.5
c4mim-tos-p2	-50.6	-40.0	-2525.2	-7459.3	-1096.9	-3487.9	-1404.0	-3945.0	-1097.4	-3489.8	-1406.1	-3951.1
c4mpyr-bf4-p1	-33.0	-26.1	-1861.8	-5790.3	-1055.4	-3603.4	-791.2	-2169.2	-1055.7	-3604.6	-792.4	-2173.3
c4mpyr-bf4-p2	-30.9	-24.4	-1861.2	-5789.6	-1055.8	-3603.7	-791.2	-2169.2	-1056.0	-3604.8	-792.4	-2173.2
c4mpyr-bf4-p3	-30.8	-24.4	-1860.9	-5789.5	-1055.5	-3603.6	-791.2	-2169.2	-1055.8	-3604.6	-792.4	-2173.2
c4mpyr-br-p1	-54.0	-41.2	-1259.3	-4060.8	-1056.1	-3604.3	-178.4	-427.2	-1056.2	-3604.8	-182.0	-435.8
c4mpyr-br-p2	-51.3	-38.8	-1257.8	-4059.6	-1056.0	-3604.5	-178.4	-427.2	-1056.1	-3604.9	-181.9	-435.7
c4mpyr-br-p3	-51.2	-39.1	-1257.9	-4059.4	-1056.0	-3604.5	-178.4	-427.2	-1056.1	-3604.9	-181.8	-435.4
c4mpyr-cl-p1	-44.1	-34.7	-1208.0	-4019.6	-1056.1	-3604.4	-131.4	-391.6	-1056.2	-3604.8	-133.7	-398.1
c4mpyr-cl-p2	-43.3	-34.1	-1207.5	-4019.5	-1055.9	-3604.7	-131.4	-391.6	-1056.0	-3605.1	-133.7	-398.1
c4mpyr-cl-p3	-42.2	-33.3	-1207.1	-4018.7	-1056.1	-3604.6	-131.4	-391.6	-1056.2	-3604.9	-133.6	-397.8
c4mpyr-dca-p1	-44.9	-38.7	-1697.2	-5326.5	-1055.6	-3603.5	-620.9	-1698.9	-1055.9	-3604.5	-622.0	-1702.6
c4mpyr-dca-p2	-46.8	-40.5	-1698.8	-5327.2	-1055.6	-3603.8	-620.9	-1698.8	-1055.8	-3604.7	-622.2	-1702.7
c4mpyr-dca-p3	-45.2	-39.1	-1698.2	-5325.9	-1055.6	-3603.7	-620.9	-1698.6	-1055.9	-3604.6	-622.1	-1702.4
c4mpyr-dca-p4	-46.3	-39.9	-1698.1	-5327.1	-1055.6	-3603.7	-620.9	-1698.8	-1055.8	-3604.7	-622.1	-1702.6
c4mpyr-dca-p5	-47.2	-41.1	-1698.7	-5327.4	-1055.6	-3603.7	-620.9	-1698.8	-1055.9	-3604.7	-622.0	-1702.5
c4mpyr-mes-p1	-42.7	-33.1	-1830.3	-5748.8	-1055.4	-3603.6	-754.1	-2123.2	-1055.7	-3604.8	-756.3	-2129.2
c4mpyr-mes-p2	-39.3	-30.2	-1829.3	-5747.7	-1056.1	-3604.2	-754.2	-2123.3	-1056.3	-3605.2	-756.3	-2129.0
c4mpyr-mes-p3	-38.7	-29.7	-1828.7	-5747.1	-1055.7	-3604.1	-754.1	-2123.2	-1055.9	-3605.1	-756.2	-2128.9
c4mpyr-ntf2-p1	-53.4	-43.6	-3475.2	-10055.5	-1055.8	-3603.5	-2395.4	-6422.6	-1056.2	-3605.1	-2397.4	-6428.5
c4mpyr-ntf2-p2	-45.7	-36.0	-3471.8	-10049.0	-1055.5	-3603.2	-2395.2	-6421.3	-1055.9	-3605.0	-2397.0	-6426.9
c4mpyr-ntf2-p3	-51.6	-42.1	-3474.3	-10054.4	-1055.5	-3603.5	-2395.4	-6422.7	-1055.9	-3605.0	-2397.4	-6428.4
c4mpyr-ntf2-p4	-52.4	-42.8	-3474.6	-10054.8	-1055.6	-3603.5	-2395.4	-6422.6	-1055.9	-3604.9	-2397.3	-6428.5
c4mpyr-ntf2-p5	-42.4	-33.8	-3470.2	-10047.4	-1055.2	-3603.2	-2395.2	-6421.5	-1055.6	-3604.7	-2396.8	-6426.5
c4mpyr-ntf2-p6	-42.5	-33.9	-3470.8	-10047.6	-1055.6	-3603.5	-2395.3	-6421.5	-1056.0	-3604.9	-2397.0	-6426.6
c4mpyr-pf6-p1	-34.7	-26.3	-2275.8	-6900.6	-1055.4	-3603.2	-1204.6	-3278.5	-1055.7	-3604.4	-1206.6	-3283.5
c4mpyr-pf6-p2	-32.1	-24.3	-2274.9	-6899.5	-1055.7	-3603.5	-1204.6	-3278.6	-1055.9	-3604.5	-1206.5	-3283.3
c4mpyr-pf6-p3	-31.8	-24.1	-2274.7	-6899.4	-1055.5	-3603.5	-1204.7	-3278.6	-1055.7	-3604.4	-1206.5	-3283.3
c4mpyr-tos-p1	-41.3	-31.8	-2479.2	-7570.4	-1055.5	-3603.7	-1403.4	-3945.6	-1055.8	-3605.0	-1405.5	-3951.5
c4mpyr-tos-p2	-37.9	-28.9	-2478.1	-7569.2	-1056.1	-3604.1	-1403.5	-3945.7	-1056.4	-3605.4	-1405.5	-3951.2

2.2.10 JCCT basis set

Table S 11: Raw JCCT energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-35.0	-28.1	-1597.7	-4638.9	-785.5	-2429.7	-796.9	-2189.5	-786.0	-2432.1	-797.6	-2192.9
c1mim-br-p1	-51.4	-39.7	-993.4	-2900.7	-787.5	-2437.7	-182.3	-435.2	-787.7	-2438.6	-185.0	-443.1
c1mim-br-p2	-32.5	-23.6	-985.4	-2889.4	-787.2	-2437.7	-182.3	-435.2	-787.3	-2438.2	-184.4	-441.4
c1mim-cl-p1	-38.6	-31.9	-939.9	-2856.6	-787.3	-2437.4	-134.4	-398.8	-787.5	-2438.3	-135.3	-403.4
c1mim-cl-p2	-26.4	-21.1	-935.7	-2849.6	-787.5	-2438.3	-134.4	-398.8	-787.6	-2438.8	-135.1	-402.8
c1mim-dca-p1	-64.8	-57.1	-1444.9	-4189.8	-786.0	-2431.0	-629.5	-1723.4	-786.4	-2433.3	-630.3	-1727.5
c1mim-dca-p2	-46.4	-40.7	-1437.1	-4180.2	-786.1	-2432.1	-629.2	-1723.4	-786.3	-2433.5	-629.8	-1726.9
c1mim-mes-p1	-46.1	-37.8	-1567.7	-4594.6	-786.0	-2430.6	-760.0	-2139.6	-786.5	-2433.0	-761.0	-2144.1
c1mim-ntf2-p1	-77.6	-64.5	-3233.8	-8952.6	-785.5	-2429.8	-2414.4	-6479.0	-786.3	-2433.8	-2415.8	-6485.8
c1mim-ntf2-p2	-41.7	-33.2	-3218.9	-8931.1	-785.8	-2431.7	-2413.6	-6477.2	-786.2	-2433.7	-2414.7	-6482.1
c1mim-ntf2-p3	-46.4	-36.8	-3221.5	-8933.3	-785.6	-2430.7	-2414.3	-6477.9	-786.2	-2433.7	-2415.3	-6482.9
c1mim-pf6-p1	-37.5	-30.4	-2017.6	-5761.6	-785.5	-2429.8	-1215.7	-3310.7	-786.0	-2432.3	-1216.3	-3314.2
c1mim-tos-p1	-45.0	-36.2	-2217.9	-6422.9	-785.7	-2430.3	-1411.2	-3968.5	-786.2	-2433.1	-1412.2	-3973.1
c1mpyr-bf4-p1	-33.3	-27.5	-1554.9	-4747.7	-743.1	-2541.8	-796.5	-2187.9	-743.4	-2543.5	-797.1	-2191.0
c1mpyr-bf4-p2	-30.3	-25.2	-1553.7	-4746.3	-743.2	-2542.0	-796.5	-2187.9	-743.5	-2543.4	-797.1	-2190.8
c1mpyr-br-p1	-50.0	-40.0	-949.1	-3004.9	-743.7	-2542.9	-182.3	-435.2	-743.9	-2543.4	-184.7	-442.0
c1mpyr-br-p2	-47.0	-37.9	-947.8	-3003.5	-743.7	-2543.1	-182.3	-435.2	-743.8	-2543.6	-184.5	-441.5
c1mpyr-cl-p1	-40.0	-34.5	-897.2	-2962.7	-743.8	-2542.9	-134.4	-398.8	-743.9	-2543.5	-135.2	-402.8
c1mpyr-cl-p2	-38.5	-33.4	-896.5	-2962.0	-743.8	-2543.2	-134.4	-398.8	-743.9	-2543.6	-135.1	-402.5
c1mpyr-dca-p1	-43.7	-38.4	-1388.0	-4273.8	-743.6	-2542.6	-623.5	-1708.4	-743.9	-2543.9	-624.1	-1711.4
c1mpyr-dca-p2	-47.6	-42.1	-1389.1	-4276.4	-743.4	-2542.3	-623.4	-1708.7	-743.7	-2543.7	-624.1	-1711.9
c1mpyr-dca-p3	-45.0	-39.4	-1386.4	-4276.5	-743.1	-2542.0	-623.4	-1709.3	-743.5	-2543.6	-624.0	-1712.4
c1mpyr-dca-p4	-46.2	-40.5	-1388.1	-4275.5	-743.2	-2542.1	-623.5	-1708.8	-743.5	-2543.5	-624.1	-1712.0
c1mpyr-mes-p1	-40.5	-33.5	-1523.0	-4703.6	-743.1	-2542.1	-760.1	-2140.8	-743.4	-2543.8	-760.9	-2144.9
c1mpyr-mes-p2	-35.1	-29.1	-1520.8	-4701.0	-743.3	-2542.5	-760.1	-2140.8	-743.6	-2543.9	-760.8	-2144.5
c1mpyr-ntf2-p1	-51.8	-42.9	-3179.2	-9048.9	-743.4	-2541.9	-2412.9	-6478.1	-743.9	-2544.1	-2414.0	-6483.2
c1mpyr-ntf2-p2	-40.1	-32.4	-3174.3	-9040.4	-743.1	-2541.6	-2412.8	-6477.0	-743.6	-2543.8	-2413.7	-6481.2
c1mpyr-ntf2-p3	-49.9	-41.5	-3178.4	-9047.6	-743.4	-2542.1	-2412.8	-6477.9	-743.8	-2544.1	-2413.9	-6482.7
c1mpyr-ntf2-p5	-41.0	-33.5	-3175.0	-9040.7	-743.3	-2541.9	-2412.7	-6476.7	-743.8	-2543.9	-2413.5	-6480.9
c1mpyr-pf6-p1	-33.4	-27.8	-1974.1	-5870.9	-743.1	-2541.7	-1215.8	-3311.0	-743.4	-2543.4	-1216.3	-3314.1
c1mpyr-pf6-p2	-30.4	-25.6	-1972.9	-5869.5	-743.2	-2541.9	-1215.8	-3311.2	-743.5	-2543.3	-1216.3	-3313.8
c1mpyr-tos-p1	-39.0	-31.6	-2173.1	-6531.3	-743.1	-2542.1	-1410.8	-3969.4	-743.5	-2544.1	-1411.6	-3973.6
c1mpyr-tos-p2	-33.7	-27.2	-2170.4	-6528.9	-743.2	-2542.3	-1410.7	-3969.4	-743.6	-2543.9	-1411.5	-3973.1

c2mim-bf4-p1	-37.0	-29.7	-1704.3	-4996.7	-891.0	-2786.6	-796.9	-2189.5	-891.5	-2789.0	-797.6	-2193.2
c2mim-bf4-p2	-34.6	-27.6	-1702.7	-4995.0	-890.6	-2786.0	-796.9	-2189.5	-891.1	-2788.4	-797.6	-2193.0
c2mim-br-p1	-53.0	-40.8	-1099.0	-3258.0	-892.5	-2794.0	-182.3	-435.2	-892.7	-2794.9	-185.2	-443.4
c2mim-br-p2	-36.4	-26.8	-1093.4	-3249.7	-893.4	-2795.9	-182.3	-435.2	-893.5	-2796.4	-184.5	-441.8
c2mim-br-p3	-37.6	-27.5	-1093.1	-3249.7	-892.7	-2795.1	-182.3	-435.2	-892.8	-2795.6	-184.7	-442.1
c2mim-br-p4	-53.3	-41.1	-1099.8	-3259.2	-893.1	-2795.1	-182.3	-435.2	-893.3	-2796.0	-185.1	-443.4
c2mim-cl-p1	-40.2	-33.4	-1045.7	-3214.0	-892.4	-2793.9	-134.4	-398.8	-892.6	-2794.8	-135.3	-403.6
c2mim-cl-p2	-28.9	-23.2	-1043.0	-3209.1	-893.7	-2796.5	-134.4	-398.8	-893.8	-2797.0	-135.1	-402.9
c2mim-cl-p3	-29.9	-24.1	-1042.6	-3209.0	-892.9	-2795.6	-134.4	-398.8	-893.1	-2796.2	-135.2	-403.1
c2mim-cl-p4	-39.9	-33.0	-1045.9	-3214.6	-892.9	-2794.7	-134.4	-398.8	-893.1	-2795.6	-135.3	-403.6
c2mim-dca-p1	-66.6	-58.5	-1550.4	-4547.4	-891.0	-2787.0	-629.4	-1723.8	-891.4	-2789.4	-630.2	-1728.2
c2mim-dca-p2	-62.5	-54.8	-1549.0	-4544.7	-891.1	-2787.0	-629.4	-1723.6	-891.5	-2789.3	-630.3	-1727.8
c2mim-dca-p3	-66.9	-58.8	-1551.5	-4547.7	-891.6	-2787.6	-629.6	-1723.5	-892.1	-2790.0	-630.4	-1727.9
c2mim-dca-p4	-63.8	-55.8	-1549.3	-4545.6	-891.0	-2787.1	-629.4	-1723.5	-891.5	-2789.5	-630.3	-1727.8
c2mim-dca-p5	-65.4	-57.2	-1550.1	-4546.4	-891.0	-2787.2	-629.5	-1723.4	-891.5	-2789.6	-630.4	-1727.8
c2mim-dca-p6	-65.6	-57.6	-1549.8	-4546.5	-890.9	-2786.7	-629.5	-1723.5	-891.3	-2789.1	-630.4	-1727.8
c2mim-mes-p1	-51.8	-42.8	-1676.1	-4954.7	-891.7	-2787.8	-760.0	-2139.5	-892.2	-2790.2	-761.1	-2144.4
c2mim-mes-p2	-47.1	-38.3	-1672.9	-4951.5	-891.0	-2786.7	-760.0	-2139.7	-891.5	-2789.2	-761.1	-2144.4
c2mim-ntf2-p1	-84.6	-70.1	-3342.3	-9313.3	-891.1	-2786.7	-2414.4	-6478.9	-891.9	-2791.0	-2416.0	-6486.6
c2mim-ntf2-p2	-53.0	-42.7	-3329.5	-9295.3	-891.3	-2788.4	-2413.9	-6478.1	-891.9	-2791.0	-2415.2	-6484.0
c2mim-ntf2-p3	-49.8	-39.5	-3328.5	-9291.6	-890.8	-2787.2	-2414.3	-6477.9	-891.5	-2790.4	-2415.4	-6483.3
c2mim-ntf2-p4	-74.4	-61.2	-3338.3	-9307.8	-891.0	-2786.8	-2414.7	-6479.2	-891.8	-2790.8	-2416.1	-6486.2
c2mim-pf6-p1	-41.5	-33.6	-2124.8	-6120.4	-890.9	-2786.6	-1215.7	-3310.6	-891.4	-2789.1	-1216.4	-3314.7
c2mim-pf6-p2	-38.1	-30.6	-2122.7	-6118.2	-890.5	-2785.9	-1215.7	-3310.7	-891.0	-2788.5	-1216.4	-3314.4
c2mim-tos-p1	-52.4	-42.7	-2327.2	-6783.8	-891.6	-2787.6	-1411.1	-3968.4	-892.2	-2790.4	-1412.3	-3973.5
c2mim-tos-p2	-46.5	-37.1	-2323.8	-6780.1	-890.9	-2786.7	-1411.2	-3968.5	-891.5	-2789.6	-1412.2	-3973.4
c2mpyr-bf4-p1	-34.2	-28.0	-1662.4	-5107.9	-850.3	-2901.4	-796.5	-2187.9	-850.7	-2903.3	-797.1	-2191.2
c2mpyr-bf4-p2	-31.7	-26.2	-1661.9	-5107.0	-850.8	-2901.9	-796.5	-2188.0	-851.1	-2903.4	-797.1	-2191.0
c2mpyr-bf4-p3	-31.3	-25.8	-1661.3	-5106.6	-850.4	-2901.7	-796.5	-2187.9	-850.7	-2903.2	-797.1	-2191.0
c2mpyr-br-p1	-51.7	-41.0	-1056.9	-3365.5	-850.9	-2902.4	-182.3	-435.2	-851.1	-2903.0	-184.8	-442.5
c2mpyr-br-p2	-49.0	-39.2	-1055.9	-3364.4	-850.9	-2903.0	-182.3	-435.2	-851.0	-2903.4	-184.6	-442.0
c2mpyr-br-p3	-48.6	-38.8	-1055.5	-3363.9	-850.8	-2902.6	-182.3	-435.2	-851.0	-2903.1	-184.6	-442.0
c2mpyr-cl-p1	-41.0	-35.1	-1004.7	-3322.9	-851.0	-2902.5	-134.4	-398.8	-851.1	-2903.1	-135.2	-403.0
c2mpyr-cl-p2	-39.3	-34.0	-1003.8	-3322.1	-850.7	-2902.7	-134.4	-398.8	-850.8	-2903.2	-135.2	-402.7
c2mpyr-cl-p3	-39.1	-33.7	-1003.9	-3322.0	-851.0	-2902.7	-134.4	-398.8	-851.1	-2903.2	-135.2	-402.7
c2mpyr-dca-p1	-44.2	-38.6	-1495.3	-4633.7	-850.8	-2902.1	-623.5	-1708.4	-851.1	-2903.6	-624.1	-1711.5
c2mpyr-dca-p2	-47.5	-41.8	-1496.3	-4635.8	-850.4	-2901.8	-623.5	-1708.8	-850.7	-2903.2	-624.2	-1712.1
c2mpyr-dca-p3	-48.2	-42.5	-1496.4	-4636.3	-850.5	-2901.8	-623.4	-1708.7	-850.8	-2903.3	-624.1	-1712.0
c2mpyr-mes-p1	-42.2	-34.6	-1630.8	-5064.3	-850.3	-2901.7	-760.1	-2140.8	-850.7	-2903.6	-761.0	-2145.2

c2mpyr-mes-p2	-38.3	-31.7	-1629.7	-5062.9	-851.0	-2902.3	-760.1	-2140.9	-851.3	-2903.8	-760.9	-2144.8
c2mpyr-mes-p3	-37.0	-30.4	-1628.6	-5061.9	-850.5	-2902.2	-760.1	-2140.8	-850.8	-2903.7	-760.9	-2144.7
c2mpyr-ntf2-p1	-53.6	-44.0	-3287.3	-9409.6	-850.6	-2901.4	-2413.1	-6478.3	-851.2	-2903.9	-2414.2	-6483.6
c2mpyr-ntf2-p2	-42.9	-34.4	-3282.7	-9401.8	-850.3	-2901.2	-2412.8	-6477.2	-850.8	-2903.7	-2413.8	-6481.8
c2mpyr-ntf2-p3	-52.0	-42.9	-3286.5	-9408.5	-850.4	-2901.5	-2413.0	-6478.1	-850.9	-2903.7	-2414.1	-6483.3
c2mpyr-ntf2-p4	-51.0	-42.0	-3285.9	-9408.1	-850.4	-2901.5	-2413.0	-6478.2	-850.9	-2903.7	-2414.1	-6483.3
c2mpyr-ntf2-p5	-44.0	-35.9	-3283.0	-9402.0	-850.1	-2901.2	-2412.7	-6477.0	-850.6	-2903.4	-2413.7	-6481.5
c2mpyr-ntf2-p6	-41.6	-33.7	-3282.4	-9401.1	-850.5	-2901.5	-2412.9	-6477.1	-851.0	-2903.6	-2413.8	-6481.5
c2mpyr-pf6-p1	-34.2	-28.1	-2081.8	-6231.2	-850.5	-2901.6	-1215.8	-3311.0	-850.9	-2903.4	-1216.4	-3314.3
c2mpyr-pf6-p2	-31.8	-26.5	-2080.9	-6230.0	-850.5	-2901.6	-1215.8	-3311.1	-850.9	-2903.1	-1216.3	-3314.1
c2mpyr-pf6-p3	-31.3	-26.1	-2080.4	-6229.7	-850.4	-2901.5	-1215.8	-3311.1	-850.7	-2903.0	-1216.3	-3314.0
c2mpyr-tos-p1	-41.0	-32.9	-2281.0	-6892.2	-850.3	-2901.7	-1410.8	-3969.4	-850.8	-2903.9	-1411.7	-3973.9
c2mpyr-tos-p2	-37.2	-30.2	-2279.8	-6890.8	-850.9	-2902.2	-1410.8	-3969.5	-851.3	-2904.0	-1411.6	-3973.5
c3mim-bf4-p1	-38.0	-30.3	-1808.8	-5353.0	-995.1	-3142.3	-796.9	-2189.5	-995.6	-3144.8	-797.7	-2193.4
c3mim-bf4-p2	-37.3	-29.6	-1808.4	-5352.7	-995.1	-3142.2	-796.9	-2189.5	-995.6	-3144.9	-797.6	-2193.3
c3mim-br-p1	-54.2	-41.5	-1203.5	-3614.9	-996.6	-3150.2	-182.3	-435.2	-996.8	-3151.1	-185.3	-443.8
c3mim-br-p2	-37.2	-27.2	-1197.6	-3606.2	-997.3	-3151.9	-182.3	-435.2	-997.4	-3152.5	-184.6	-442.1
c3mim-br-p3	-42.5	-31.4	-1199.5	-3608.6	-996.9	-3151.3	-182.3	-435.2	-997.1	-3152.0	-184.9	-442.8
c3mim-br-p4	-56.0	-42.4	-1204.5	-3616.6	-996.8	-3150.9	-182.3	-435.2	-997.1	-3151.9	-185.5	-444.3
c3mim-cl-p1	-40.9	-33.9	-1150.0	-3570.5	-996.5	-3150.0	-134.4	-398.8	-996.7	-3150.9	-135.4	-403.7
c3mim-cl-p2	-29.2	-23.4	-1147.0	-3565.3	-997.5	-3152.4	-134.4	-398.8	-997.6	-3153.0	-135.1	-403.1
c3mim-cl-p3	-33.3	-26.9	-1148.3	-3567.0	-997.1	-3151.8	-134.4	-398.8	-997.3	-3152.4	-135.2	-403.4
c3mim-cl-p4	-41.4	-33.9	-1150.2	-3571.4	-996.6	-3150.5	-134.4	-398.8	-996.9	-3151.5	-135.4	-404.0
c3mim-dca-p1	-67.9	-59.4	-1654.9	-4903.8	-995.0	-3142.5	-629.4	-1723.8	-995.5	-3145.1	-630.3	-1728.4
c3mim-dca-p2	-69.3	-60.7	-1655.8	-4905.0	-995.4	-3143.1	-629.4	-1723.6	-995.9	-3145.7	-630.3	-1728.2
c3mim-dca-p3	-57.9	-50.6	-1651.3	-4898.9	-995.4	-3143.9	-629.2	-1723.7	-995.8	-3145.8	-630.0	-1727.9
c3mim-dca-p4	-70.5	-61.8	-1656.6	-4904.7	-995.1	-3142.7	-629.5	-1723.5	-995.6	-3145.3	-630.4	-1728.2
c3mim-dca-p5	-67.5	-58.8	-1653.9	-4902.9	-994.5	-3141.9	-629.3	-1723.5	-995.1	-3144.6	-630.2	-1728.2
c3mim-dca-p6	-66.0	-57.8	-1653.6	-4902.1	-994.6	-3142.0	-629.5	-1723.6	-995.1	-3144.3	-630.4	-1728.0
c3mim-mes-p1	-54.6	-44.9	-1781.6	-5312.0	-995.9	-3143.7	-760.0	-2139.6	-996.4	-3146.3	-761.2	-2144.8
c3mim-mes-p2	-47.9	-38.7	-1777.0	-5307.4	-994.8	-3142.0	-760.0	-2139.7	-995.3	-3144.7	-761.1	-2144.6
c3mim-ntf2-p1	-88.6	-73.2	-3448.2	-9671.3	-995.1	-3142.4	-2414.4	-6479.0	-996.0	-3146.9	-2416.1	-6487.2
c3mim-ntf2-p2	-57.7	-46.6	-3435.6	-9653.4	-995.3	-3143.9	-2414.0	-6478.1	-995.9	-3146.7	-2415.3	-6484.5
c3mim-ntf2-p3	-52.0	-41.0	-3433.5	-9648.3	-994.9	-3142.8	-2414.3	-6477.9	-995.5	-3146.1	-2415.5	-6483.6
c3mim-ntf2-p4	-76.3	-62.7	-3442.5	-9664.1	-994.7	-3141.7	-2414.6	-6479.3	-995.5	-3145.8	-2416.1	-6486.4
c3mim-pf6-p1	-42.6	-34.8	-2229.0	-6476.6	-994.8	-3142.0	-1215.6	-3310.4	-995.4	-3144.6	-1216.3	-3314.4
c3mim-pf6-p2	-38.4	-30.7	-2226.6	-6473.8	-994.4	-3141.3	-1215.7	-3310.7	-994.9	-3143.9	-1216.4	-3314.5
c3mim-tos-p1	-55.9	-45.4	-2432.9	-7141.6	-995.7	-3143.4	-1411.2	-3968.4	-996.3	-3146.5	-1412.4	-3974.0
c3mim-tos-p2	-53.2	-42.9	-2431.2	-7139.9	-995.4	-3142.8	-1411.2	-3968.5	-996.0	-3146.0	-1412.3	-3973.8

c3mpyr-bf4-p1	-34.7	-28.4	-1766.6	-5464.6	-954.3	-3257.8	-796.5	-2187.9	-954.7	-3259.7	-797.1	-2191.3
c3mpyr-bf4-p2	-32.1	-26.3	-1765.9	-5463.4	-954.6	-3258.1	-796.5	-2188.0	-955.0	-3259.7	-797.1	-2191.1
c3mpyr-bf4-p3	-31.9	-26.2	-1765.4	-5463.2	-954.4	-3258.0	-796.5	-2187.9	-954.7	-3259.6	-797.1	-2191.1
c3mpyr-br-p1	-52.9	-41.8	-1161.5	-3722.5	-955.0	-3258.7	-182.3	-435.2	-955.1	-3259.4	-184.9	-442.7
c3mpyr-br-p2	-49.8	-39.2	-1159.9	-3720.9	-954.8	-3258.8	-182.3	-435.2	-954.9	-3259.4	-184.8	-442.4
c3mpyr-br-p3	-49.8	-39.6	-1160.0	-3721.0	-954.9	-3258.9	-182.3	-435.2	-955.0	-3259.5	-184.7	-442.2
c3mpyr-cl-p1	-41.6	-35.6	-1108.9	-3679.6	-955.0	-3258.8	-134.4	-398.8	-955.1	-3259.5	-135.2	-403.1
c3mpyr-cl-p2	-40.0	-34.3	-1108.0	-3678.8	-954.7	-3258.9	-134.4	-398.8	-954.9	-3259.5	-135.2	-402.9
c3mpyr-cl-p3	-39.7	-34.1	-1108.0	-3678.7	-954.9	-3259.0	-134.4	-398.8	-955.1	-3259.5	-135.2	-402.8
c3mpyr-dca-p1	-45.7	-39.8	-1599.7	-4990.8	-954.5	-3258.1	-623.5	-1708.6	-954.9	-3259.7	-624.2	-1711.9
c3mpyr-dca-p2	-47.8	-41.8	-1600.4	-4992.2	-954.4	-3258.1	-623.5	-1708.8	-954.8	-3259.6	-624.2	-1712.2
c3mpyr-dca-p3	-44.0	-38.4	-1597.3	-4992.4	-954.5	-3258.1	-623.5	-1709.6	-954.9	-3259.6	-624.1	-1712.7
c3mpyr-dca-p4	-46.5	-40.7	-1599.7	-4991.9	-954.7	-3258.3	-623.4	-1708.7	-955.0	-3259.8	-624.1	-1711.9
c3mpyr-dca-p5	-48.4	-42.5	-1600.4	-4992.7	-954.5	-3258.1	-623.4	-1708.7	-954.8	-3259.7	-624.1	-1712.1
c3mpyr-mes-p1	-43.2	-35.4	-1735.1	-5421.3	-954.3	-3258.0	-760.1	-2140.8	-954.8	-3260.0	-761.0	-2145.3
c3mpyr-mes-p2	-38.9	-31.9	-1733.8	-5419.6	-954.9	-3258.5	-760.1	-2140.9	-955.3	-3260.2	-760.9	-2145.0
c3mpyr-mes-p3	-38.1	-31.2	-1733.1	-5418.9	-954.5	-3258.5	-760.1	-2140.8	-954.8	-3260.1	-760.9	-2144.9
c3mpyr-ntf2-p1	-56.0	-45.9	-3392.4	-9767.5	-954.7	-3258.0	-2413.0	-6478.3	-955.3	-3260.6	-2414.2	-6483.8
c3mpyr-ntf2-p2	-42.8	-34.3	-3386.9	-9757.9	-954.3	-3257.7	-2412.8	-6477.1	-954.9	-3260.1	-2413.8	-6481.6
c3mpyr-ntf2-p3	-52.6	-43.2	-3390.7	-9765.2	-954.3	-3257.7	-2413.0	-6478.2	-954.9	-3260.1	-2414.2	-6483.6
c3mpyr-ntf2-p4	-53.5	-44.0	-3391.0	-9765.8	-954.4	-3257.9	-2413.0	-6478.1	-955.0	-3260.3	-2414.1	-6483.4
c3mpyr-ntf2-p5	-44.3	-35.9	-3387.0	-9758.6	-954.1	-3257.5	-2412.7	-6476.9	-954.6	-3259.8	-2413.7	-6481.6
c3mpyr-ntf2-p6	-43.6	-35.2	-3387.2	-9758.5	-954.5	-3257.9	-2412.8	-6477.0	-955.0	-3260.2	-2413.8	-6481.6
c3mpyr-pf6-p1	-35.4	-29.1	-2186.0	-6588.1	-954.2	-3257.6	-1215.8	-3311.1	-954.7	-3259.6	-1216.4	-3314.4
c3mpyr-pf6-p2	-32.1	-26.5	-2184.9	-6586.4	-954.5	-3257.8	-1215.8	-3311.1	-954.8	-3259.4	-1216.3	-3314.2
c3mpyr-pf6-p3	-32.1	-26.5	-2184.6	-6586.5	-954.3	-3257.8	-1215.8	-3311.1	-954.7	-3259.4	-1216.3	-3314.1
c3mpyr-tos-p1	-42.3	-33.9	-2385.4	-7249.3	-954.3	-3258.0	-1410.7	-3969.4	-954.8	-3260.3	-1411.7	-3974.0
c3mpyr-tos-p2	-38.0	-30.4	-2384.0	-7247.5	-954.9	-3258.5	-1410.7	-3969.4	-955.3	-3260.4	-1411.6	-3973.7
c4mim-bf4-p1	-38.6	-30.8	-1913.0	-5708.9	-1099.0	-3497.8	-796.9	-2189.5	-1099.5	-3500.4	-797.7	-2193.5
c4mim-bf4-p2	-37.6	-29.8	-1912.3	-5708.3	-1098.9	-3497.6	-796.9	-2189.5	-1099.5	-3500.3	-797.7	-2193.4
c4mim-br-p1	-55.4	-42.4	-1307.9	-3971.7	-1100.5	-3506.4	-182.3	-435.2	-1100.7	-3507.3	-185.4	-444.0
c4mim-br-p2	-38.4	-28.1	-1302.0	-3963.0	-1101.2	-3508.0	-182.3	-435.2	-1101.3	-3508.6	-184.7	-442.2
c4mim-br-p3	-44.9	-33.1	-1304.5	-3966.1	-1100.8	-3507.4	-182.3	-435.2	-1101.0	-3508.1	-185.1	-443.2
c4mim-br-p4	-56.7	-42.9	-1308.6	-3973.0	-1100.7	-3506.8	-182.3	-435.2	-1100.9	-3507.8	-185.5	-444.5
c4mim-cl-p1	-41.6	-34.4	-1254.2	-3927.0	-1100.3	-3506.1	-134.4	-398.8	-1100.5	-3507.0	-135.4	-403.8
c4mim-cl-p2	-29.9	-24.0	-1251.1	-3921.8	-1101.4	-3508.5	-134.4	-398.8	-1101.5	-3509.2	-135.2	-403.1
c4mim-cl-p3	-34.8	-28.2	-1252.8	-3923.9	-1101.0	-3507.8	-134.4	-398.8	-1101.2	-3508.5	-135.3	-403.6
c4mim-cl-p4	-41.9	-34.3	-1254.3	-3927.7	-1100.5	-3506.4	-134.4	-398.8	-1100.7	-3507.4	-135.4	-404.1
c4mim-dca-p1	-68.8	-60.1	-1759.2	-5259.8	-1098.9	-3498.1	-629.4	-1723.8	-1099.4	-3500.7	-630.3	-1728.5

c4mim-dca-p2	-72.3	-63.2	-1761.3	-5261.3	-1099.1	-3498.3	-629.5	-1723.5	-1099.6	-3501.0	-630.4	-1728.4
c4mim-dca-p3	-68.0	-59.1	-1757.9	-5258.7	-1098.4	-3497.4	-629.3	-1723.5	-1098.9	-3500.0	-630.3	-1728.3
c4mim-mes-p1	-56.0	-46.0	-1886.1	-5668.4	-1099.8	-3499.2	-760.0	-2139.6	-1100.4	-3501.9	-761.2	-2145.0
c4mim-mes-p2	-48.1	-38.8	-1880.9	-5662.9	-1098.6	-3497.3	-760.1	-2139.7	-1099.1	-3500.0	-761.1	-2144.7
c4mim-pf6-p1	-44.7	-36.0	-2334.2	-6833.5	-1098.9	-3497.9	-1215.7	-3310.6	-1099.5	-3500.7	-1216.5	-3315.1
c4mim-pf6-p2	-38.5	-30.7	-2330.4	-6829.3	-1098.2	-3496.6	-1215.7	-3310.7	-1098.7	-3499.3	-1216.4	-3314.6
c4mim-tos-p1	-58.4	-47.4	-2538.0	-7498.6	-1099.7	-3499.0	-1411.2	-3968.4	-1100.3	-3502.3	-1412.4	-3974.2
c4mim-tos-p2	-54.2	-43.8	-2536.1	-7496.3	-1099.6	-3498.8	-1411.2	-3968.5	-1100.3	-3502.0	-1412.4	-3973.9
c4mpyr-bf4-p1	-34.9	-28.4	-1870.5	-5820.6	-1058.1	-3613.6	-796.5	-2187.9	-1058.6	-3615.6	-797.1	-2191.4
c4mpyr-bf4-p2	-32.4	-26.5	-1869.7	-5819.5	-1058.4	-3613.9	-796.5	-2188.0	-1058.8	-3615.6	-797.1	-2191.2
c4mpyr-bf4-p3	-32.2	-26.3	-1869.4	-5819.4	-1058.2	-3613.9	-796.5	-2187.9	-1058.6	-3615.5	-797.1	-2191.2
c4mpyr-br-p1	-53.4	-42.1	-1265.5	-4078.7	-1058.8	-3614.6	-182.3	-435.2	-1058.9	-3615.3	-185.0	-442.9
c4mpyr-br-p2	-50.4	-39.5	-1263.8	-4077.3	-1058.6	-3614.7	-182.3	-435.2	-1058.7	-3615.3	-184.9	-442.6
c4mpyr-br-p3	-50.3	-39.8	-1264.0	-4077.2	-1058.7	-3614.7	-182.3	-435.2	-1058.8	-3615.3	-184.8	-442.4
c4mpyr-cl-p1	-41.7	-35.6	-1212.7	-4035.5	-1058.8	-3614.6	-134.4	-398.8	-1058.9	-3615.3	-135.3	-403.1
c4mpyr-cl-p2	-40.6	-34.8	-1212.1	-4035.1	-1058.6	-3614.9	-134.4	-398.8	-1058.7	-3615.5	-135.2	-403.0
c4mpyr-cl-p3	-39.8	-34.1	-1211.8	-4034.6	-1058.7	-3614.8	-134.4	-398.8	-1058.9	-3615.4	-135.2	-402.9
c4mpyr-dca-p1	-46.6	-40.0	-1702.8	-5348.1	-1058.3	-3613.7	-623.5	-1708.9	-1058.7	-3615.5	-624.2	-1712.4
c4mpyr-dca-p2	-47.9	-41.8	-1704.2	-5348.3	-1058.3	-3614.0	-623.5	-1708.8	-1058.6	-3615.6	-624.2	-1712.3
c4mpyr-dca-p3	-46.7	-40.5	-1703.8	-5347.3	-1058.3	-3613.9	-623.5	-1708.6	-1058.7	-3615.6	-624.2	-1712.0
c4mpyr-dca-p4	-47.9	-41.2	-1703.7	-5348.7	-1058.2	-3614.0	-623.5	-1708.8	-1058.7	-3615.8	-624.2	-1712.4
c4mpyr-dca-p5	-48.6	-42.6	-1704.3	-5348.8	-1058.3	-3614.0	-623.5	-1708.8	-1058.6	-3615.5	-624.1	-1712.2
c4mpyr-mes-p1	-43.3	-35.4	-1838.9	-5777.3	-1058.1	-3613.9	-760.1	-2140.8	-1058.6	-3615.9	-761.0	-2145.4
c4mpyr-mes-p2	-39.6	-32.4	-1837.8	-5775.9	-1058.8	-3614.4	-760.1	-2140.9	-1059.1	-3616.2	-761.0	-2145.1
c4mpyr-mes-p3	-38.5	-31.5	-1837.1	-5775.0	-1058.3	-3614.3	-760.1	-2140.8	-1058.7	-3616.1	-760.9	-2145.0
c4mpyr-ntf2-p1	-56.3	-46.0	-3496.2	-10123.5	-1058.4	-3613.8	-2413.0	-6478.2	-1059.1	-3616.5	-2414.2	-6483.9
c4mpyr-ntf2-p2	-48.6	-38.7	-3492.7	-10116.7	-1058.1	-3613.4	-2412.7	-6476.7	-1058.8	-3616.3	-2413.8	-6481.9
c4mpyr-ntf2-p3	-54.1	-44.3	-3495.1	-10122.0	-1058.1	-3613.7	-2413.0	-6478.2	-1058.7	-3616.1	-2414.2	-6483.7
c4mpyr-ntf2-p4	-55.0	-44.9	-3495.4	-10122.6	-1058.2	-3613.7	-2413.0	-6478.1	-1058.8	-3616.3	-2414.2	-6483.8
c4mpyr-ntf2-p5	-45.2	-36.5	-3491.1	-10115.0	-1057.9	-3613.4	-2412.7	-6476.9	-1058.4	-3615.8	-2413.7	-6481.7
c4mpyr-ntf2-p6	-45.5	-36.6	-3491.8	-10115.4	-1058.3	-3613.7	-2412.8	-6476.9	-1058.9	-3616.2	-2413.8	-6481.7
c4mpyr-pf6-p1	-35.7	-29.2	-2289.9	-6944.2	-1058.0	-3613.5	-1215.8	-3311.1	-1058.5	-3615.5	-1216.4	-3314.5
c4mpyr-pf6-p2	-32.7	-26.9	-2288.9	-6942.8	-1058.3	-3613.8	-1215.8	-3311.1	-1058.7	-3615.5	-1216.4	-3314.3
c4mpyr-pf6-p3	-32.4	-26.7	-2288.6	-6942.6	-1058.1	-3613.7	-1215.8	-3311.1	-1058.5	-3615.4	-1216.4	-3314.2
c4mpyr-tos-p1	-42.7	-34.1	-2489.4	-7605.5	-1058.1	-3613.9	-1410.7	-3969.4	-1058.7	-3616.3	-1411.7	-3974.1
c4mpyr-tos-p2	-38.8	-31.0	-2488.1	-7604.0	-1058.7	-3614.4	-1410.8	-3969.4	-1059.2	-3616.5	-1411.7	-3973.8

2.2.11 ACCT basis set

Table S 12: Raw ACCT energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-37.1	-30.1	-1610.5	-4707.0	-790.9	-2459.3	-803.8	-2226.4	-791.3	-2461.5	-804.3	-2230.5
c1mim-br-p1	-58.4	-42.6	-1004.9	-2947.0	-793.0	-2467.5	-186.0	-447.0	-793.1	-2468.4	-189.9	-457.9
c1mim-br-p2	-41.2	-25.7	-997.1	-2937.6	-792.8	-2467.7	-186.0	-447.0	-792.9	-2468.3	-189.7	-458.1
c1mim-cl-p1	-41.1	-34.8	-947.9	-2897.3	-792.8	-2467.2	-136.2	-408.0	-793.0	-2468.1	-136.7	-412.7
c1mim-cl-p2	-29.7	-23.0	-943.6	-2891.6	-793.0	-2468.3	-136.2	-408.0	-793.1	-2468.9	-136.7	-413.4
c1mim-dca-p1	-67.0	-59.8	-1454.9	-4243.8	-791.4	-2460.7	-633.3	-1746.2	-791.8	-2463.0	-633.8	-1750.2
c1mim-dca-p2	-49.7	-43.0	-1447.1	-4235.3	-791.5	-2461.9	-633.0	-1746.3	-791.8	-2463.6	-633.5	-1750.5
c1mim-mes-p1	-49.1	-40.5	-1581.5	-4661.7	-791.4	-2460.3	-767.7	-2174.7	-791.8	-2462.6	-768.3	-2179.9
c1mim-ntf2-p1	-80.9	-67.0	-3262.2	-9088.5	-791.0	-2459.5	-2436.8	-6582.5	-791.5	-2463.2	-2438.0	-6591.0
c1mim-ntf2-p2	-45.6	-34.4	-3247.1	-9067.7	-791.3	-2461.4	-2436.0	-6580.6	-791.6	-2463.8	-2437.0	-6587.9
c1mim-ntf2-p3	-50.1	-38.8	-3250.0	-9069.7	-791.0	-2460.4	-2436.7	-6581.5	-791.4	-2463.2	-2437.7	-6588.5
c1mim-pf6-p1	-40.5	-32.5	-2036.5	-5853.0	-790.9	-2459.5	-1228.5	-3370.2	-791.3	-2461.6	-1229.1	-3375.2
c1mim-tos-p1	-47.9	-38.7	-2235.7	-6512.1	-791.1	-2459.9	-1423.0	-4026.0	-791.5	-2462.6	-1423.7	-4031.4
c1mpyr-bf4-p1	-36.9	-29.4	-1569.1	-4821.6	-749.8	-2575.9	-803.3	-2224.7	-750.0	-2577.5	-804.0	-2229.9
c1mpyr-bf4-p2	-33.9	-26.9	-1567.8	-4820.1	-749.9	-2576.1	-803.3	-2224.7	-750.1	-2577.4	-803.9	-2229.6
c1mpyr-br-p1	-61.0	-42.8	-962.7	-3058.8	-750.5	-2577.0	-186.0	-447.0	-750.6	-2577.6	-190.5	-460.1
c1mpyr-br-p2	-57.9	-40.6	-961.3	-3057.3	-750.5	-2577.2	-186.0	-447.0	-750.6	-2577.7	-190.3	-459.5
c1mpyr-cl-p1	-44.0	-37.1	-906.5	-3009.3	-750.6	-2577.1	-136.2	-408.0	-750.6	-2577.7	-136.7	-413.6
c1mpyr-cl-p2	-42.6	-36.0	-905.8	-3008.7	-750.5	-2577.3	-136.2	-408.0	-750.6	-2577.8	-136.7	-413.5
c1mpyr-dca-p1	-46.6	-40.6	-1399.2	-4333.0	-750.4	-2576.7	-627.3	-1731.2	-750.6	-2578.2	-627.7	-1735.1
c1mpyr-dca-p2	-50.7	-44.5	-1400.4	-4335.7	-750.2	-2576.4	-627.2	-1731.6	-750.4	-2577.9	-627.7	-1735.6
c1mpyr-dca-p3	-47.8	-41.0	-1397.4	-4335.8	-749.9	-2576.1	-627.2	-1732.2	-750.1	-2577.6	-627.8	-1736.7
c1mpyr-dca-p4	-49.1	-42.8	-1399.3	-4334.6	-749.9	-2576.1	-627.3	-1731.6	-750.1	-2577.6	-627.8	-1735.6
c1mpyr-mes-p1	-45.0	-35.9	-1538.1	-4776.5	-749.8	-2576.2	-767.7	-2175.9	-750.1	-2578.0	-768.5	-2182.2
c1mpyr-mes-p2	-39.4	-31.2	-1535.9	-4773.8	-750.0	-2576.6	-767.7	-2175.9	-750.2	-2578.2	-768.4	-2181.6
c1mpyr-ntf2-p1	-56.5	-44.5	-3208.8	-9190.6	-750.1	-2576.0	-2435.3	-6581.5	-750.4	-2578.1	-2436.4	-6589.8
c1mpyr-ntf2-p2	-44.4	-34.0	-3203.9	-9181.6	-749.9	-2575.7	-2435.1	-6580.4	-750.1	-2577.7	-2436.1	-6587.6
c1mpyr-ntf2-p3	-54.7	-43.0	-3208.1	-9189.3	-750.1	-2576.1	-2435.2	-6581.2	-750.4	-2578.2	-2436.3	-6589.4
c1mpyr-ntf2-p5	-45.5	-35.2	-3204.6	-9182.0	-750.1	-2576.0	-2435.0	-6580.1	-750.3	-2577.9	-2436.0	-6587.3
c1mpyr-pf6-p1	-38.1	-29.6	-1994.4	-5968.4	-749.8	-2575.8	-1228.6	-3370.6	-750.0	-2577.4	-1229.3	-3376.6
c1mpyr-pf6-p2	-35.1	-27.2	-1993.2	-5967.0	-749.9	-2576.0	-1228.6	-3370.7	-750.1	-2577.3	-1229.3	-3376.3
c1mpyr-tos-p1	-43.5	-33.9	-2192.3	-6626.7	-749.8	-2576.2	-1422.6	-4026.9	-750.1	-2578.2	-1423.4	-4033.3
c1mpyr-tos-p2	-38.0	-29.3	-2189.6	-6624.0	-750.0	-2576.4	-1422.5	-4026.8	-750.2	-2578.0	-1423.3	-4032.9

c2mim-bf4-p1	-39.7	-31.8	-1718.2	-5070.3	-897.4	-2821.3	-803.8	-2226.3	-897.7	-2823.5	-804.3	-2231.1
c2mim-bf4-p2	-36.8	-29.5	-1716.4	-5068.2	-896.9	-2820.6	-803.8	-2226.4	-897.3	-2822.7	-804.3	-2230.7
c2mim-br-p1	-61.2	-43.9	-1111.8	-3310.3	-898.9	-2828.9	-186.0	-447.0	-899.1	-2829.8	-190.3	-459.1
c2mim-br-p2	-46.2	-29.4	-1106.4	-3303.9	-899.9	-2831.1	-186.0	-447.0	-900.0	-2831.8	-190.0	-459.1
c2mim-br-p3	-46.4	-29.9	-1105.8	-3302.8	-899.2	-2830.0	-186.0	-447.0	-899.3	-2830.7	-190.0	-458.7
c2mim-br-p4	-60.4	-43.9	-1112.3	-3310.9	-899.6	-2830.0	-186.0	-447.0	-899.8	-2830.9	-190.1	-458.4
c2mim-cl-p1	-43.2	-36.5	-1054.8	-3260.3	-898.9	-2828.8	-136.2	-408.0	-899.0	-2829.7	-136.7	-413.2
c2mim-cl-p2	-32.7	-25.4	-1052.1	-3256.7	-900.2	-2831.7	-136.2	-408.0	-900.3	-2832.4	-136.8	-413.9
c2mim-cl-p3	-33.1	-26.2	-1051.4	-3255.7	-899.4	-2830.5	-136.2	-408.0	-899.5	-2831.2	-136.7	-413.5
c2mim-cl-p4	-42.3	-35.8	-1054.9	-3260.6	-899.4	-2829.6	-136.2	-408.0	-899.5	-2830.6	-136.7	-412.9
c2mim-dca-p1	-69.2	-61.1	-1561.3	-4606.7	-897.3	-2821.7	-633.2	-1746.6	-897.7	-2824.2	-633.8	-1751.3
c2mim-dca-p2	-64.9	-57.3	-1559.9	-4604.0	-897.5	-2821.8	-633.3	-1746.4	-897.8	-2824.1	-633.8	-1750.8
c2mim-dca-p3	-69.3	-61.4	-1562.5	-4607.2	-898.1	-2822.5	-633.4	-1746.4	-898.4	-2824.9	-634.0	-1750.9
c2mim-dca-p4	-66.0	-58.4	-1560.1	-4604.5	-897.4	-2821.7	-633.3	-1746.3	-897.7	-2824.1	-633.8	-1750.6
c2mim-dca-p5	-67.4	-59.9	-1560.9	-4605.3	-897.4	-2821.8	-633.4	-1746.2	-897.7	-2824.2	-633.9	-1750.5
c2mim-dca-p6	-67.7	-60.2	-1560.7	-4605.4	-897.3	-2821.4	-633.4	-1746.3	-897.6	-2823.8	-633.9	-1750.5
c2mim-mes-p1	-55.4	-45.7	-1690.9	-5027.4	-898.2	-2822.6	-767.6	-2174.6	-898.6	-2825.1	-768.4	-2180.7
c2mim-mes-p2	-50.1	-40.9	-1687.6	-5023.4	-897.3	-2821.3	-767.7	-2174.7	-897.7	-2823.8	-768.4	-2180.3
c2mim-ntf2-p1	-88.7	-72.8	-3371.8	-9455.1	-897.5	-2821.5	-2436.8	-6582.4	-898.1	-2825.4	-2438.2	-6592.5
c2mim-ntf2-p2	-57.8	-44.4	-3358.8	-9437.7	-897.7	-2823.2	-2436.3	-6581.6	-898.2	-2826.0	-2437.6	-6590.4
c2mim-ntf2-p3	-54.2	-41.7	-3358.0	-9433.6	-897.3	-2822.0	-2436.7	-6581.4	-897.7	-2825.0	-2437.8	-6589.4
c2mim-ntf2-p4	-77.7	-63.6	-3367.6	-9448.8	-897.4	-2821.4	-2437.1	-6582.8	-897.9	-2825.1	-2438.3	-6591.6
c2mim-pf6-p1	-45.2	-35.9	-2144.8	-6217.5	-897.3	-2821.2	-1228.4	-3370.1	-897.6	-2823.5	-1229.2	-3376.1
c2mim-pf6-p2	-41.0	-32.6	-2142.5	-6214.6	-896.9	-2820.6	-1228.5	-3370.2	-897.2	-2822.8	-1229.1	-3375.4
c2mim-tos-p1	-56.1	-45.5	-2346.2	-6878.9	-898.0	-2822.3	-1422.9	-4025.8	-898.4	-2825.2	-1423.8	-4032.3
c2mim-tos-p2	-49.4	-39.6	-2342.5	-6874.4	-897.3	-2821.3	-1423.0	-4025.9	-897.7	-2824.1	-1423.7	-4031.8
c2mpyr-bf4-p1	-37.8	-29.8	-1677.5	-5187.0	-858.0	-2940.7	-803.3	-2224.7	-858.2	-2942.4	-804.0	-2230.1
c2mpyr-bf4-p2	-35.2	-27.9	-1677.0	-5186.0	-858.5	-2941.2	-803.3	-2224.8	-858.7	-2942.8	-803.9	-2229.7
c2mpyr-bf4-p3	-34.9	-27.5	-1676.4	-5185.7	-858.1	-2941.0	-803.3	-2224.7	-858.3	-2942.4	-804.0	-2229.9
c2mpyr-br-p1	-62.7	-43.7	-1071.5	-3424.7	-858.7	-2941.8	-186.0	-447.0	-858.7	-2942.4	-190.7	-460.6
c2mpyr-br-p2	-60.5	-42.1	-1070.5	-3424.0	-858.6	-2942.3	-186.0	-447.0	-858.7	-2942.9	-190.6	-460.3
c2mpyr-br-p3	-59.5	-41.5	-1070.0	-3423.0	-858.6	-2941.9	-186.0	-447.0	-858.6	-2942.4	-190.4	-460.0
c2mpyr-cl-p1	-44.8	-37.6	-1014.9	-3374.7	-858.7	-2941.8	-136.2	-408.0	-858.8	-2942.5	-136.8	-413.9
c2mpyr-cl-p2	-43.6	-36.6	-1014.1	-3374.2	-858.5	-2942.1	-136.2	-408.0	-858.5	-2942.7	-136.8	-413.7
c2mpyr-cl-p3	-43.1	-36.2	-1014.1	-3373.9	-858.7	-2942.0	-136.2	-408.0	-858.8	-2942.6	-136.8	-413.7
c2mpyr-dca-p1	-46.9	-40.7	-1507.4	-4698.0	-858.5	-2941.4	-627.3	-1731.3	-858.7	-2943.0	-627.8	-1735.3
c2mpyr-dca-p2	-50.8	-44.1	-1508.5	-4700.5	-858.1	-2941.1	-627.3	-1731.6	-858.4	-2942.7	-627.9	-1735.9
c2mpyr-dca-p3	-51.3	-44.8	-1508.6	-4700.9	-858.2	-2941.1	-627.3	-1731.6	-858.4	-2942.7	-627.8	-1735.8
c2mpyr-mes-p1	-46.7	-37.1	-1646.9	-5142.6	-858.0	-2941.1	-767.7	-2175.9	-858.3	-2943.0	-768.5	-2182.5

c2mpyr-mes-p2	-42.8	-34.0	-1645.8	-5141.1	-858.7	-2941.6	-767.7	-2176.0	-858.9	-2943.4	-768.5	-2182.1
c2mpyr-mes-p3	-41.4	-32.6	-1644.7	-5140.0	-858.2	-2941.5	-767.7	-2175.9	-858.4	-2943.2	-768.4	-2182.0
c2mpyr-ntf2-p1	-58.4	-45.7	-3317.9	-9556.6	-858.3	-2940.7	-2435.4	-6581.7	-858.7	-2943.1	-2436.7	-6590.4
c2mpyr-ntf2-p2	-47.2	-36.0	-3313.2	-9548.3	-858.0	-2940.5	-2435.2	-6580.6	-858.3	-2942.7	-2436.2	-6588.3
c2mpyr-ntf2-p3	-56.9	-44.6	-3317.1	-9555.6	-858.1	-2940.8	-2435.3	-6581.5	-858.5	-2943.0	-2436.5	-6590.1
c2mpyr-ntf2-p4	-55.7	-43.6	-3316.5	-9555.0	-858.1	-2940.8	-2435.4	-6581.6	-858.4	-2943.0	-2436.6	-6590.1
c2mpyr-ntf2-p5	-48.6	-37.6	-3313.6	-9548.7	-857.8	-2940.5	-2435.1	-6580.4	-858.1	-2942.7	-2436.1	-6587.9
c2mpyr-ntf2-p6	-46.0	-35.4	-3313.0	-9547.6	-858.2	-2940.8	-2435.2	-6580.5	-858.5	-2942.8	-2436.2	-6587.9
c2mpyr-pf6-p1	-38.6	-29.8	-2103.0	-6333.8	-858.2	-2940.9	-1228.6	-3370.6	-858.4	-2942.6	-1229.3	-3376.7
c2mpyr-pf6-p2	-36.5	-28.2	-2102.2	-6332.7	-858.2	-2940.9	-1228.6	-3370.7	-858.4	-2942.4	-1229.3	-3376.5
c2mpyr-pf6-p3	-36.0	-27.7	-2101.6	-6332.5	-858.1	-2940.8	-1228.6	-3370.7	-858.3	-2942.2	-1229.3	-3376.6
c2mpyr-tos-p1	-45.5	-35.2	-2301.1	-6992.8	-858.0	-2941.1	-1422.6	-4026.8	-858.3	-2943.2	-1423.5	-4033.7
c2mpyr-tos-p2	-41.7	-32.3	-2300.0	-6991.4	-858.6	-2941.6	-1422.6	-4026.9	-858.9	-2943.5	-1423.4	-4033.3
c3mim-bf4-p1	-40.8	-32.5	-1823.6	-5431.7	-1002.4	-3182.0	-803.8	-2226.4	-1002.8	-3184.3	-804.4	-2231.4
c3mim-bf4-p2	-39.6	-31.7	-1823.1	-5431.1	-1002.4	-3182.0	-803.8	-2226.4	-1002.8	-3184.2	-804.3	-2231.2
c3mim-br-p1	-62.5	-44.5	-1217.3	-3672.5	-1004.0	-3190.2	-186.0	-447.0	-1004.2	-3191.1	-190.5	-459.5
c3mim-br-p2	-47.1	-29.7	-1211.5	-3665.6	-1004.8	-3192.2	-186.0	-447.0	-1004.9	-3192.9	-190.1	-459.5
c3mim-br-p3	-52.1	-34.1	-1213.5	-3667.4	-1004.4	-3191.4	-186.0	-447.0	-1004.5	-3192.1	-190.4	-459.8
c3mim-br-p4	-63.0	-45.2	-1218.0	-3673.3	-1004.3	-3190.9	-186.0	-447.0	-1004.5	-3191.9	-190.4	-459.3
c3mim-cl-p1	-43.9	-36.9	-1160.0	-3621.9	-1003.9	-3189.9	-136.2	-408.0	-1004.1	-3190.9	-136.7	-413.4
c3mim-cl-p2	-33.0	-25.6	-1157.0	-3618.1	-1005.0	-3192.8	-136.2	-408.0	-1005.1	-3193.5	-136.8	-414.0
c3mim-cl-p3	-36.6	-29.3	-1158.1	-3619.0	-1004.6	-3191.8	-136.2	-408.0	-1004.7	-3192.6	-136.8	-413.8
c3mim-cl-p4	-43.5	-36.6	-1160.1	-3622.2	-1004.1	-3190.5	-136.2	-408.0	-1004.3	-3191.5	-136.7	-413.2
c3mim-dca-p1	-70.5	-62.0	-1666.8	-4968.1	-1002.3	-3182.2	-633.3	-1746.6	-1002.7	-3184.8	-633.9	-1751.5
c3mim-dca-p2	-71.8	-63.4	-1667.7	-4969.4	-1002.7	-3182.9	-633.3	-1746.5	-1003.1	-3185.5	-633.9	-1751.3
c3mim-dca-p3	-61.2	-53.0	-1663.2	-4964.1	-1002.8	-3183.8	-633.1	-1746.5	-1003.1	-3185.9	-633.7	-1751.6
c3mim-dca-p4	-73.1	-64.5	-1668.5	-4969.2	-1002.5	-3182.4	-633.3	-1746.3	-1002.9	-3185.0	-633.9	-1751.3
c3mim-dca-p5	-69.3	-61.3	-1665.7	-4966.7	-1001.9	-3181.7	-633.2	-1746.3	-1002.3	-3184.2	-633.7	-1750.8
c3mim-dca-p6	-67.9	-60.4	-1665.4	-4966.0	-1002.0	-3181.7	-633.4	-1746.4	-1002.3	-3184.1	-633.9	-1750.6
c3mim-mes-p1	-58.4	-47.9	-1797.5	-5390.1	-1003.3	-3183.6	-767.7	-2174.6	-1003.7	-3186.2	-768.5	-2181.2
c3mim-mes-p2	-50.7	-41.3	-1792.6	-5384.3	-1002.1	-3181.6	-767.7	-2174.7	-1002.5	-3184.2	-768.4	-2180.5
c3mim-ntf2-p1	-93.0	-75.9	-3478.6	-9818.5	-1002.5	-3182.1	-2436.8	-6582.5	-1003.1	-3186.3	-2438.3	-6593.4
c3mim-ntf2-p2	-62.9	-48.4	-3466.0	-9801.2	-1002.7	-3183.7	-2436.3	-6581.5	-1003.2	-3186.7	-2437.7	-6591.2
c3mim-ntf2-p3	-56.6	-43.3	-3464.0	-9795.6	-1002.2	-3182.6	-2436.8	-6581.4	-1002.7	-3185.8	-2437.9	-6589.9
c3mim-ntf2-p4	-79.4	-65.1	-3472.7	-9810.0	-1002.0	-3181.3	-2437.1	-6582.9	-1002.6	-3185.0	-2438.3	-6591.7
c3mim-pf6-p1	-46.2	-36.9	-2249.8	-6578.5	-1002.2	-3181.6	-1228.4	-3369.9	-1002.5	-3184.0	-1229.1	-3375.8
c3mim-pf6-p2	-41.3	-32.7	-2247.3	-6575.2	-1001.7	-3180.9	-1228.5	-3370.2	-1002.1	-3183.2	-1229.1	-3375.5
c3mim-tos-p1	-59.8	-48.2	-2452.9	-7242.0	-1003.1	-3183.2	-1422.9	-4025.8	-1003.6	-3186.3	-1423.9	-4032.9
c3mim-tos-p2	-56.5	-45.5	-2451.0	-7239.8	-1002.8	-3182.7	-1422.9	-4025.9	-1003.3	-3185.7	-1423.8	-4032.5

c3mpyr-bf4-p1	-38.4	-30.2	-1782.7	-5548.8	-962.9	-3302.1	-803.3	-2224.7	-963.2	-3303.9	-804.0	-2230.3
c3mpyr-bf4-p2	-35.6	-28.0	-1781.9	-5547.5	-963.3	-3302.4	-803.3	-2224.8	-963.5	-3304.0	-804.0	-2229.9
c3mpyr-bf4-p3	-35.5	-27.8	-1781.4	-5547.4	-963.0	-3302.3	-803.3	-2224.7	-963.2	-3303.9	-804.0	-2230.0
c3mpyr-br-p1	-64.1	-44.5	-1177.0	-3787.0	-963.6	-3303.2	-186.0	-447.0	-963.7	-3303.8	-190.8	-461.1
c3mpyr-br-p2	-60.5	-41.9	-1175.3	-3785.0	-963.5	-3303.2	-186.0	-447.0	-963.6	-3303.9	-190.6	-460.4
c3mpyr-br-p3	-60.8	-42.2	-1175.5	-3785.3	-963.5	-3303.3	-186.0	-447.0	-963.6	-3303.9	-190.6	-460.4
c3mpyr-cl-p1	-45.5	-38.1	-1120.0	-3736.5	-963.7	-3303.2	-136.2	-408.0	-963.7	-3303.9	-136.8	-414.0
c3mpyr-cl-p2	-44.0	-36.8	-1119.2	-3735.7	-963.4	-3303.4	-136.2	-408.0	-963.5	-3304.0	-136.8	-413.8
c3mpyr-cl-p3	-43.7	-36.6	-1119.2	-3735.6	-963.6	-3303.4	-136.2	-408.0	-963.7	-3304.0	-136.8	-413.8
c3mpyr-dca-p1	-48.4	-41.9	-1612.7	-5060.2	-963.2	-3302.5	-627.4	-1731.5	-963.4	-3304.2	-627.8	-1735.6
c3mpyr-dca-p2	-50.9	-44.1	-1613.4	-5061.9	-963.1	-3302.5	-627.3	-1731.6	-963.3	-3304.1	-627.9	-1736.0
c3mpyr-dca-p3	-46.8	-39.9	-1610.3	-5062.0	-963.2	-3302.5	-627.4	-1732.5	-963.4	-3304.1	-628.0	-1737.0
c3mpyr-dca-p4	-49.4	-42.9	-1612.7	-5061.3	-963.3	-3302.6	-627.2	-1731.5	-963.5	-3304.2	-627.7	-1735.7
c3mpyr-dca-p5	-51.4	-44.8	-1613.5	-5062.3	-963.1	-3302.5	-627.3	-1731.6	-963.3	-3304.1	-627.8	-1735.8
c3mpyr-mes-p1	-47.8	-37.9	-1752.1	-5504.7	-962.9	-3302.4	-767.7	-2175.9	-963.2	-3304.4	-768.5	-2182.7
c3mpyr-mes-p2	-43.3	-34.2	-1750.8	-5502.8	-963.6	-3302.9	-767.7	-2176.0	-963.8	-3304.7	-768.5	-2182.3
c3mpyr-mes-p3	-42.6	-33.4	-1750.1	-5502.1	-963.1	-3302.8	-767.7	-2175.9	-963.4	-3304.7	-768.5	-2182.2
c3mpyr-ntf2-p1	-61.0	-47.7	-3423.9	-9919.8	-963.3	-3302.3	-2435.4	-6581.7	-963.7	-3304.8	-2436.7	-6590.9
c3mpyr-ntf2-p2	-47.2	-35.9	-3418.3	-9909.5	-963.0	-3302.0	-2435.1	-6580.5	-963.3	-3304.2	-2436.2	-6588.2
c3mpyr-ntf2-p3	-57.5	-44.8	-3422.2	-9917.3	-963.0	-3302.1	-2435.4	-6581.6	-963.3	-3304.4	-2436.6	-6590.4
c3mpyr-ntf2-p4	-58.4	-45.5	-3422.5	-9917.9	-963.1	-3302.2	-2435.3	-6581.5	-963.4	-3304.6	-2436.6	-6590.4
c3mpyr-ntf2-p5	-48.8	-37.5	-3418.5	-9910.2	-962.7	-3301.8	-2435.0	-6580.3	-963.1	-3304.1	-2436.0	-6588.0
c3mpyr-ntf2-p6	-48.0	-36.9	-3418.7	-9910.2	-963.1	-3302.2	-2435.1	-6580.4	-963.4	-3304.3	-2436.2	-6588.1
c3mpyr-pf6-p1	-40.2	-30.9	-2208.2	-6696.0	-962.8	-3302.0	-1228.6	-3370.6	-963.1	-3303.7	-1229.4	-3377.1
c3mpyr-pf6-p2	-36.6	-28.1	-2207.0	-6694.1	-963.1	-3302.2	-1228.6	-3370.6	-963.3	-3303.8	-1229.3	-3376.6
c3mpyr-pf6-p3	-36.8	-28.2	-2206.8	-6694.4	-962.9	-3302.1	-1228.6	-3370.7	-963.2	-3303.6	-1229.4	-3376.8
c3mpyr-tos-p1	-46.8	-36.2	-2406.4	-7355.1	-962.9	-3302.4	-1422.5	-4026.8	-963.2	-3304.6	-1423.5	-4034.0
c3mpyr-tos-p2	-42.3	-32.5	-2405.0	-7353.1	-963.5	-3302.9	-1422.5	-4026.9	-963.8	-3304.9	-1423.4	-4033.5
c4mim-bf4-p1	-41.5	-32.9	-1928.8	-5792.8	-1107.3	-3542.7	-803.8	-2226.3	-1107.7	-3544.9	-804.4	-2231.6
c4mim-bf4-p2	-39.9	-31.8	-1928.0	-5791.8	-1107.3	-3542.5	-803.8	-2226.4	-1107.6	-3544.7	-804.4	-2231.3
c4mim-br-p1	-64.1	-45.4	-1322.8	-4034.6	-1108.9	-3551.4	-186.0	-447.0	-1109.0	-3552.4	-190.6	-460.0
c4mim-br-p2	-48.6	-30.7	-1317.0	-4027.7	-1109.7	-3553.4	-186.0	-447.0	-1109.8	-3554.1	-190.3	-459.9
c4mim-br-p3	-54.7	-35.8	-1319.5	-4030.2	-1109.3	-3552.6	-186.0	-447.0	-1109.4	-3553.4	-190.7	-460.4
c4mim-br-p4	-64.1	-45.7	-1323.2	-4035.0	-1109.1	-3551.9	-186.0	-447.0	-1109.3	-3552.9	-190.6	-459.7
c4mim-cl-p1	-44.7	-37.4	-1265.1	-3983.6	-1108.7	-3551.1	-136.2	-408.0	-1108.9	-3552.1	-136.8	-413.5
c4mim-cl-p2	-33.7	-26.1	-1262.1	-3979.7	-1109.9	-3554.0	-136.2	-408.0	-1110.0	-3554.7	-136.8	-414.1
c4mim-cl-p3	-38.2	-30.6	-1263.7	-3981.1	-1109.4	-3553.0	-136.2	-408.0	-1109.5	-3553.8	-136.8	-414.0
c4mim-cl-p4	-44.0	-37.0	-1265.1	-3983.6	-1108.9	-3551.6	-136.2	-408.0	-1109.1	-3552.6	-136.7	-413.3
c4mim-dca-p1	-71.4	-62.6	-1772.0	-5329.3	-1107.2	-3542.8	-633.3	-1746.7	-1107.6	-3545.4	-633.9	-1751.7

c4mim-dca-p2	-75.0	-66.0	-1774.2	-5331.0	-1107.4	-3543.1	-633.3	-1746.3	-1107.8	-3545.8	-634.0	-1751.6
c4mim-dca-p3	-69.6	-61.6	-1770.6	-5327.5	-1106.7	-3542.2	-633.2	-1746.4	-1107.1	-3544.7	-633.7	-1750.9
c4mim-mes-p1	-59.9	-49.0	-1902.9	-5751.6	-1108.2	-3544.1	-767.7	-2174.6	-1108.6	-3546.9	-768.5	-2181.5
c4mim-mes-p2	-50.9	-41.4	-1897.4	-5744.9	-1106.9	-3542.0	-767.7	-2174.7	-1107.3	-3544.6	-768.4	-2180.6
c4mim-pf6-p1	-48.7	-38.4	-2356.2	-6941.1	-1107.3	-3542.7	-1228.4	-3370.1	-1107.6	-3545.1	-1229.3	-3376.9
c4mim-pf6-p2	-41.4	-32.7	-2352.1	-6935.8	-1106.5	-3541.4	-1228.5	-3370.2	-1106.9	-3543.6	-1229.1	-3375.6
c4mim-tos-p1	-62.4	-50.3	-2558.9	-7604.3	-1108.0	-3543.9	-1422.9	-4025.8	-1108.5	-3547.1	-1423.9	-4033.3
c4mim-tos-p2	-57.6	-46.5	-2556.8	-7601.3	-1108.0	-3543.7	-1423.0	-4025.9	-1108.4	-3546.7	-1423.9	-4032.6
c4mpyr-bf4-p1	-38.6	-30.3	-1887.5	-5909.9	-1067.7	-3663.0	-803.3	-2224.7	-1067.9	-3664.8	-804.0	-2230.4
c4mpyr-bf4-p2	-35.8	-28.2	-1886.7	-5908.6	-1068.0	-3663.3	-803.3	-2224.8	-1068.2	-3664.9	-804.0	-2230.0
c4mpyr-bf4-p3	-35.8	-28.0	-1886.3	-5908.6	-1067.8	-3663.2	-803.3	-2224.8	-1068.0	-3664.8	-804.0	-2230.1
c4mpyr-br-p1	-64.6	-44.7	-1281.9	-4148.2	-1068.4	-3664.0	-186.0	-447.0	-1068.5	-3664.7	-190.9	-461.3
c4mpyr-br-p2	-61.2	-42.1	-1280.2	-4146.4	-1068.2	-3664.1	-186.0	-447.0	-1068.3	-3664.8	-190.7	-460.7
c4mpyr-br-p3	-61.4	-42.5	-1280.4	-4146.5	-1068.3	-3664.2	-186.0	-447.0	-1068.4	-3664.8	-190.7	-460.6
c4mpyr-cl-p1	-45.5	-38.1	-1224.8	-4097.4	-1068.4	-3664.1	-136.2	-408.0	-1068.5	-3664.7	-136.8	-414.0
c4mpyr-cl-p2	-44.6	-37.3	-1224.2	-4097.2	-1068.2	-3664.4	-136.2	-408.0	-1068.3	-3665.1	-136.8	-414.0
c4mpyr-cl-p3	-43.7	-36.6	-1223.9	-4096.5	-1068.4	-3664.2	-136.2	-408.0	-1068.4	-3664.8	-136.8	-413.8
c4mpyr-dca-p1	-48.9	-42.0	-1716.6	-5422.2	-1067.9	-3663.1	-627.3	-1731.7	-1068.1	-3664.8	-627.8	-1736.1
c4mpyr-dca-p2	-50.9	-44.0	-1718.2	-5423.0	-1067.9	-3663.4	-627.3	-1731.6	-1068.1	-3665.1	-627.9	-1736.1
c4mpyr-dca-p3	-49.4	-42.7	-1717.7	-5421.7	-1067.9	-3663.3	-627.3	-1731.5	-1068.1	-3665.0	-627.8	-1735.7
c4mpyr-dca-p4	-50.5	-43.4	-1717.5	-5423.0	-1067.8	-3663.4	-627.3	-1731.6	-1068.1	-3665.1	-627.8	-1736.1
c4mpyr-dca-p5	-51.6	-44.9	-1718.3	-5423.4	-1067.9	-3663.3	-627.3	-1731.6	-1068.1	-3665.0	-627.8	-1735.9
c4mpyr-mes-p1	-48.0	-37.9	-1856.9	-5865.7	-1067.7	-3663.3	-767.7	-2175.9	-1068.0	-3665.3	-768.6	-2182.8
c4mpyr-mes-p2	-44.0	-34.6	-1855.7	-5864.1	-1068.3	-3663.9	-767.7	-2176.0	-1068.6	-3665.7	-768.5	-2182.5
c4mpyr-mes-p3	-43.0	-33.6	-1855.0	-5863.3	-1067.9	-3663.8	-767.7	-2175.9	-1068.2	-3665.6	-768.5	-2182.3
c4mpyr-ntf2-p1	-61.4	-47.7	-3528.6	-10280.8	-1068.0	-3663.1	-2435.4	-6581.6	-1068.4	-3665.7	-2436.7	-6591.0
c4mpyr-ntf2-p2	-53.0	-40.4	-3525.1	-10273.5	-1067.7	-3662.8	-2435.0	-6580.1	-1068.0	-3665.3	-2436.2	-6588.7
c4mpyr-ntf2-p3	-59.0	-45.9	-3527.6	-10279.2	-1067.7	-3663.1	-2435.4	-6581.6	-1068.1	-3665.5	-2436.7	-6590.7
c4mpyr-ntf2-p4	-59.8	-46.5	-3527.9	-10279.8	-1067.8	-3663.1	-2435.3	-6581.6	-1068.2	-3665.5	-2436.7	-6590.8
c4mpyr-ntf2-p5	-49.7	-38.2	-3523.5	-10271.7	-1067.5	-3662.8	-2435.0	-6580.3	-1067.8	-3665.1	-2436.1	-6588.2
c4mpyr-ntf2-p6	-50.0	-38.3	-3524.2	-10272.2	-1067.9	-3663.1	-2435.1	-6580.3	-1068.2	-3665.3	-2436.2	-6588.4
c4mpyr-pf6-p1	-40.5	-30.9	-2313.0	-7057.1	-1067.6	-3662.9	-1228.6	-3370.6	-1067.9	-3664.6	-1229.4	-3377.3
c4mpyr-pf6-p2	-37.2	-28.5	-2312.0	-7055.5	-1067.9	-3663.1	-1228.6	-3370.6	-1068.1	-3664.7	-1229.4	-3376.8
c4mpyr-pf6-p3	-37.2	-28.4	-2311.7	-7055.6	-1067.7	-3663.1	-1228.6	-3370.7	-1067.9	-3664.6	-1229.4	-3377.0
c4mpyr-tos-p1	-47.2	-36.4	-2511.4	-7716.3	-1067.8	-3663.4	-1422.5	-4026.8	-1068.1	-3665.6	-1423.5	-4034.1
c4mpyr-tos-p2	-43.1	-33.1	-2510.1	-7714.6	-1068.3	-3663.8	-1422.6	-4026.8	-1068.6	-3665.9	-1423.5	-4033.6

2.2.12 CCQ basis set

Table S 13: Raw CCQ energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-34.9	-29.3	-1653.6	-5010.1	-809.3	-2596.4	-828.2	-2394.7	-809.5	-2597.1	-829.6	-2398.2
clmim-br-p1	-50.8	-43.5	-1073.8	-3199.1	-811.3	-2603.8	-238.6	-568.3	-811.4	-2604.2	-240.5	-573.3
clmim-br-p2	-33.9	-27.6	-1066.1	-3189.4	-811.0	-2603.7	-238.6	-568.3	-811.0	-2603.9	-240.3	-572.8
clmim-cl-p1	-41.1	-35.8	-968.6	-3067.3	-811.1	-2603.5	-138.0	-442.1	-811.2	-2603.9	-139.1	-445.8
clmim-cl-p2	-30.2	-25.7	-964.4	-3061.3	-811.2	-2604.2	-138.0	-442.1	-811.2	-2604.4	-138.8	-445.5
clmim-dca-p1	-63.4	-59.4	-1486.5	-4474.1	-809.8	-2597.6	-646.8	-1842.9	-809.9	-2598.3	-647.6	-1845.3
clmim-dca-p2	-47.1	-43.7	-1479.0	-4466.0	-809.9	-2598.6	-646.5	-1842.9	-810.0	-2599.0	-647.2	-1845.2
clmim-mes-p1	-47.2	-40.2	-1619.1	-4934.5	-809.8	-2597.3	-786.4	-2312.9	-810.0	-2597.9	-788.2	-2317.3
clmim-ntf2-p1	-73.1	-66.1	-3350.2	-9682.6	-809.4	-2596.5	-2507.0	-7046.7	-809.5	-2597.5	-2508.6	-7051.1
clmim-ntf2-p2	-40.6	-35.4	-3335.6	-9664.0	-809.6	-2598.2	-2506.2	-7045.0	-809.7	-2598.6	-2507.4	-7048.6
clmim-ntf2-p3	-44.2	-38.6	-3338.2	-9665.3	-809.4	-2597.2	-2507.0	-7045.8	-809.5	-2597.9	-2508.2	-7049.3
clmim-pf6-p1	-37.6	-31.6	-2092.1	-6240.4	-809.3	-2596.5	-1265.5	-3623.6	-809.5	-2597.1	-1267.0	-3627.3
clmim-tos-p1	-44.3	-38.0	-2287.1	-6885.1	-809.5	-2597.0	-1455.9	-4265.4	-809.7	-2597.7	-1457.4	-4269.4
clmpyr-bf4-p1	-34.9	-29.3	-1610.0	-5121.2	-765.7	-2709.4	-827.9	-2393.3	-765.7	-2709.8	-829.3	-2397.0
clmpyr-bf4-p2	-32.2	-27.1	-1608.7	-5120.1	-765.8	-2709.6	-827.9	-2393.3	-765.9	-2709.9	-829.2	-2396.8
clmpyr-br-p1	-51.3	-44.2	-1028.8	-3306.3	-766.4	-2710.5	-238.6	-568.3	-766.4	-2710.6	-240.5	-573.3
clmpyr-br-p2	-48.9	-42.2	-1027.6	-3305.3	-766.4	-2710.7	-238.6	-568.3	-766.4	-2710.8	-240.4	-573.1
clmpyr-cl-p1	-43.8	-38.8	-925.0	-3175.9	-766.4	-2710.5	-138.0	-442.1	-766.5	-2710.7	-139.1	-445.8
clmpyr-cl-p2	-42.6	-37.8	-924.3	-3175.5	-766.4	-2710.7	-138.0	-442.1	-766.4	-2710.9	-139.0	-445.7
clmpyr-dca-p1	-43.9	-40.7	-1428.7	-4561.2	-766.2	-2710.2	-641.0	-1828.7	-766.3	-2710.5	-641.7	-1830.8
clmpyr-dca-p2	-47.7	-44.5	-1429.9	-4563.7	-766.0	-2709.9	-640.9	-1829.0	-766.1	-2710.2	-641.6	-1831.1
clmpyr-dca-p3	-44.5	-41.3	-1426.8	-4563.5	-765.8	-2709.7	-640.9	-1829.5	-765.8	-2710.0	-641.5	-1831.7
clmpyr-dca-p4	-46.2	-43.0	-1428.8	-4562.8	-765.8	-2709.7	-641.0	-1829.0	-765.8	-2710.0	-641.7	-1831.1
clmpyr-mes-p1	-43.3	-36.6	-1573.4	-5045.5	-765.7	-2709.7	-786.4	-2313.9	-765.7	-2710.1	-788.1	-2318.4
clmpyr-mes-p2	-38.4	-32.4	-1571.2	-5043.3	-765.9	-2710.1	-786.3	-2313.9	-765.9	-2710.4	-787.9	-2317.9
clmpyr-ntf2-p1	-50.0	-44.6	-3294.6	-9782.0	-766.0	-2709.5	-2505.4	-7045.7	-766.1	-2709.9	-2506.7	-7049.3
clmpyr-ntf2-p2	-38.7	-34.0	-3289.8	-9774.0	-765.7	-2709.3	-2505.3	-7044.8	-765.8	-2709.7	-2506.4	-7047.9
clmpyr-ntf2-p3	-48.5	-43.3	-3293.9	-9781.0	-766.0	-2709.7	-2505.3	-7045.4	-766.1	-2710.0	-2506.5	-7048.9
clmpyr-ntf2-p5	-39.9	-35.2	-3290.5	-9774.6	-765.9	-2709.5	-2505.2	-7044.5	-766.0	-2709.9	-2506.3	-7047.7
clmpyr-pf6-p1	-35.2	-29.5	-2047.7	-6352.0	-765.7	-2709.4	-1265.6	-3623.9	-765.7	-2709.7	-1267.1	-3627.7
clmpyr-pf6-p2	-32.6	-27.3	-2046.5	-6350.9	-765.8	-2709.5	-1265.6	-3624.0	-765.8	-2709.8	-1267.0	-3627.5
clmpyr-tos-p1	-40.2	-34.2	-2241.3	-6995.6	-765.7	-2709.8	-1455.3	-4265.9	-765.8	-2710.1	-1456.8	-4270.0
clmpyr-tos-p2	-35.2	-29.7	-2238.6	-6993.4	-765.8	-2709.9	-1455.3	-4265.9	-765.9	-2710.2	-1456.6	-4269.6

c2mim-bf4-p1	-37.1	-31.0	-1763.3	-5391.1	-917.9	-2976.4	-828.2	-2394.7	-918.0	-2977.0	-829.7	-2398.5
c2mim-bf4-p2	-34.5	-28.9	-1761.5	-5389.2	-917.4	-2975.8	-828.2	-2394.7	-917.6	-2976.4	-829.6	-2398.3
c2mim-br-p1	-52.6	-44.8	-1182.4	-3579.6	-919.3	-2983.1	-238.6	-568.3	-919.3	-2983.5	-240.7	-573.6
c2mim-br-p2	-38.2	-31.1	-1177.3	-3573.0	-920.2	-2985.0	-238.6	-568.3	-920.3	-2985.2	-240.5	-573.3
c2mim-br-p3	-38.4	-31.6	-1176.7	-3572.2	-919.4	-2984.0	-238.6	-568.3	-919.5	-2984.2	-240.4	-573.1
c2mim-br-p4	-52.3	-44.8	-1183.1	-3580.5	-920.0	-2984.3	-238.6	-568.3	-920.0	-2984.7	-240.6	-573.4
c2mim-cl-p1	-43.0	-37.4	-1077.5	-3447.9	-919.2	-2983.0	-138.0	-442.1	-919.3	-2983.4	-139.2	-446.1
c2mim-cl-p2	-32.9	-27.9	-1074.9	-3444.1	-920.5	-2985.5	-138.0	-442.1	-920.5	-2985.8	-139.0	-445.8
c2mim-cl-p3	-33.5	-28.5	-1074.3	-3443.5	-919.7	-2984.5	-138.0	-442.1	-919.7	-2984.7	-139.0	-445.8
c2mim-cl-p4	-42.1	-36.7	-1077.6	-3448.3	-919.7	-2983.9	-138.0	-442.1	-919.8	-2984.3	-139.2	-445.9
c2mim-dca-p1	-65.0	-60.8	-1594.9	-4854.5	-917.8	-2976.7	-646.7	-1843.2	-917.9	-2977.4	-647.6	-1845.8
c2mim-dca-p2	-61.1	-57.0	-1593.6	-4852.1	-918.0	-2976.8	-646.8	-1843.1	-918.1	-2977.4	-647.6	-1845.5
c2mim-dca-p3	-65.3	-61.1	-1596.1	-4855.1	-918.5	-2977.5	-646.9	-1843.0	-918.6	-2978.1	-647.7	-1845.6
c2mim-dca-p4	-62.1	-58.1	-1593.8	-4852.7	-917.8	-2976.8	-646.8	-1843.0	-918.0	-2977.4	-647.6	-1845.4
c2mim-dca-p5	-63.5	-59.4	-1594.6	-4853.5	-917.8	-2976.9	-646.9	-1842.9	-918.0	-2977.6	-647.7	-1845.4
c2mim-dca-p6	-63.9	-59.7	-1594.3	-4853.6	-917.7	-2976.5	-646.9	-1843.0	-917.9	-2977.2	-647.7	-1845.5
c2mim-mes-p1	-53.0	-45.4	-1730.6	-5317.7	-918.6	-2977.6	-786.3	-2312.7	-918.8	-2978.2	-788.3	-2317.6
c2mim-mes-p2	-47.8	-40.7	-1727.3	-5314.1	-917.8	-2976.4	-786.4	-2312.9	-917.9	-2977.1	-788.2	-2317.4
c2mim-ntf2-p1	-79.5	-71.7	-3461.8	-10065.9	-917.9	-2976.5	-2507.0	-7046.7	-918.1	-2977.5	-2508.8	-7051.6
c2mim-ntf2-p2	-51.2	-45.0	-3449.2	-10050.6	-918.2	-2978.0	-2506.5	-7045.9	-918.3	-2978.5	-2507.9	-7050.1
c2mim-ntf2-p3	-47.6	-41.5	-3448.3	-10046.6	-917.7	-2976.9	-2507.0	-7045.7	-917.8	-2977.6	-2508.3	-7049.6
c2mim-ntf2-p4	-70.0	-62.9	-3457.7	-10060.8	-917.9	-2976.5	-2507.3	-7047.0	-918.0	-2977.4	-2508.9	-7051.4
c2mim-pf6-p1	-41.6	-34.9	-2202.4	-6622.2	-917.8	-2976.3	-1265.4	-3623.5	-917.9	-2976.9	-1267.2	-3627.8
c2mim-pf6-p2	-37.8	-31.8	-2200.1	-6619.8	-917.4	-2975.7	-1265.5	-3623.6	-917.5	-2976.3	-1267.0	-3627.3
c2mim-tos-p1	-51.8	-44.7	-2399.6	-7269.2	-918.5	-2977.4	-1455.8	-4265.3	-918.6	-2978.1	-1457.6	-4269.8
c2mim-tos-p2	-45.6	-39.0	-2396.0	-7265.2	-917.8	-2976.5	-1455.9	-4265.4	-917.9	-2977.2	-1457.5	-4269.5
c2mpyr-bf4-p1	-35.5	-29.7	-1720.4	-5504.0	-875.9	-3092.0	-827.9	-2393.3	-875.9	-3092.3	-829.3	-2397.1
c2mpyr-bf4-p2	-33.2	-27.9	-1719.9	-5503.3	-876.4	-3092.4	-827.9	-2393.3	-876.4	-3092.7	-829.2	-2396.9
c2mpyr-bf4-p3	-33.0	-27.7	-1719.2	-5503.0	-876.0	-3092.1	-827.9	-2393.3	-876.0	-3092.5	-829.2	-2396.9
c2mpyr-br-p1	-52.3	-45.0	-1139.4	-3689.3	-876.6	-3092.9	-238.6	-568.3	-876.6	-3093.1	-240.6	-573.5
c2mpyr-br-p2	-50.5	-43.4	-1138.6	-3688.8	-876.5	-3093.4	-238.6	-568.3	-876.5	-3093.6	-240.5	-573.4
c2mpyr-br-p3	-49.9	-42.9	-1138.1	-3688.2	-876.5	-3093.0	-238.6	-568.3	-876.5	-3093.2	-240.5	-573.2
c2mpyr-cl-p1	-44.3	-39.2	-1035.3	-3558.7	-876.6	-3093.0	-138.0	-442.1	-876.6	-3093.1	-139.1	-445.9
c2mpyr-cl-p2	-43.1	-38.2	-1034.5	-3558.2	-876.3	-3093.1	-138.0	-442.1	-876.4	-3093.3	-139.1	-445.8
c2mpyr-cl-p3	-42.9	-38.0	-1034.6	-3558.1	-876.6	-3093.1	-138.0	-442.1	-876.6	-3093.3	-139.0	-445.7
c2mpyr-dca-p1	-44.0	-40.8	-1538.9	-4943.7	-876.4	-3092.6	-641.0	-1828.7	-876.4	-3092.9	-641.7	-1830.8
c2mpyr-dca-p2	-47.5	-44.1	-1540.0	-4945.8	-876.0	-3092.3	-641.0	-1829.1	-876.1	-3092.6	-641.8	-1831.3
c2mpyr-dca-p3	-48.1	-44.8	-1540.1	-4946.3	-876.1	-3092.3	-640.9	-1829.0	-876.2	-3092.6	-641.7	-1831.1
c2mpyr-mes-p1	-44.6	-37.6	-1684.2	-5428.8	-875.9	-3092.3	-786.4	-2313.9	-876.0	-3092.7	-788.2	-2318.5

c2mpyr-mes-p2	-41.1	-34.5	-1683.1	-5427.7	-876.6	-3092.8	-786.4	-2314.0	-876.6	-3093.1	-788.1	-2318.3
c2mpyr-mes-p3	-39.9	-33.6	-1682.0	-5426.7	-876.1	-3092.6	-786.3	-2313.9	-876.1	-3092.9	-788.0	-2318.1
c2mpyr-ntf2-p1	-51.3	-45.6	-3405.6	-10165.2	-876.2	-3091.9	-2505.5	-7045.8	-876.3	-3092.4	-2506.9	-7049.6
c2mpyr-ntf2-p2	-40.8	-35.9	-3400.9	-10157.7	-875.9	-3091.7	-2505.3	-7044.9	-875.9	-3092.1	-2506.5	-7048.2
c2mpyr-ntf2-p3	-50.2	-44.6	-3404.9	-10164.4	-876.0	-3092.0	-2505.4	-7045.7	-876.1	-3092.4	-2506.8	-7049.4
c2mpyr-ntf2-p4	-49.1	-43.7	-3404.3	-10164.0	-876.0	-3092.0	-2505.4	-7045.7	-876.1	-3092.4	-2506.8	-7049.4
c2mpyr-ntf2-p5	-42.4	-37.4	-3401.4	-10158.4	-875.7	-3091.7	-2505.2	-7044.7	-875.8	-3092.1	-2506.4	-7048.0
c2mpyr-ntf2-p6	-40.0	-35.3	-3400.8	-10157.5	-876.1	-3092.0	-2505.4	-7044.9	-876.2	-3092.4	-2506.5	-7048.0
c2mpyr-pf6-p1	-35.5	-29.7	-2158.3	-6734.8	-876.1	-3092.1	-1265.6	-3623.9	-876.2	-3092.4	-1267.1	-3627.7
c2mpyr-pf6-p2	-33.5	-28.1	-2157.4	-6733.9	-876.1	-3092.1	-1265.6	-3624.0	-876.2	-3092.4	-1267.1	-3627.6
c2mpyr-pf6-p3	-33.1	-27.7	-2157.0	-6733.7	-876.0	-3092.0	-1265.6	-3624.0	-876.0	-3092.3	-1267.1	-3627.6
c2mpyr-tos-p1	-41.8	-35.4	-2352.1	-7379.1	-875.9	-3092.2	-1455.3	-4265.9	-876.0	-3092.6	-1456.9	-4270.2
c2mpyr-tos-p2	-38.4	-32.4	-2351.0	-7377.9	-876.5	-3092.7	-1455.3	-4266.0	-876.6	-3093.1	-1456.8	-4269.9
c3mim-bf4-p1	-38.0	-31.6	-1870.8	-5770.4	-1025.0	-3355.3	-828.2	-2394.7	-1025.2	-3355.9	-829.8	-2398.7
c3mim-bf4-p2	-36.9	-30.9	-1870.3	-5769.9	-1025.0	-3355.3	-828.2	-2394.7	-1025.2	-3355.9	-829.7	-2398.5
c3mim-br-p1	-53.4	-45.4	-1289.9	-3959.4	-1026.4	-3362.5	-238.6	-568.3	-1026.5	-3362.9	-240.8	-573.8
c3mim-br-p2	-38.7	-31.5	-1284.5	-3952.4	-1027.1	-3364.1	-238.6	-568.3	-1027.2	-3364.3	-240.5	-573.4
c3mim-br-p3	-43.1	-35.6	-1286.1	-3954.1	-1026.7	-3363.5	-238.6	-568.3	-1026.8	-3363.7	-240.6	-573.6
c3mim-br-p4	-54.1	-46.0	-1290.6	-3960.4	-1026.7	-3363.2	-238.6	-568.3	-1026.8	-3363.7	-240.8	-573.8
c3mim-cl-p1	-43.5	-37.7	-1184.8	-3827.4	-1026.3	-3362.3	-138.0	-442.1	-1026.4	-3362.7	-139.3	-446.2
c3mim-cl-p2	-33.1	-28.0	-1181.8	-3823.3	-1027.4	-3364.6	-138.0	-442.1	-1027.4	-3364.9	-139.0	-445.9
c3mim-cl-p3	-36.7	-31.3	-1183.1	-3824.5	-1026.9	-3363.9	-138.0	-442.1	-1027.0	-3364.1	-139.1	-446.1
c3mim-cl-p4	-43.1	-37.4	-1184.9	-3827.8	-1026.5	-3362.9	-138.0	-442.1	-1026.6	-3363.3	-139.2	-446.1
c3mim-dca-p1	-66.0	-61.6	-1702.5	-5233.9	-1024.9	-3355.5	-646.7	-1843.3	-1025.1	-3356.2	-647.6	-1845.9
c3mim-dca-p2	-67.2	-62.9	-1703.4	-5235.0	-1025.3	-3356.1	-646.8	-1843.1	-1025.4	-3356.8	-647.6	-1845.7
c3mim-dca-p3	-57.3	-53.2	-1699.1	-5230.1	-1025.4	-3356.8	-646.6	-1843.1	-1025.5	-3357.3	-647.4	-1845.8
c3mim-dca-p4	-68.5	-64.0	-1704.2	-5234.9	-1025.0	-3355.7	-646.8	-1843.0	-1025.2	-3356.4	-647.7	-1845.7
c3mim-dca-p5	-65.0	-60.8	-1701.3	-5232.7	-1024.5	-3354.9	-646.7	-1843.0	-1024.6	-3355.7	-647.5	-1845.5
c3mim-dca-p6	-64.0	-59.8	-1701.1	-5232.3	-1024.5	-3355.0	-646.9	-1843.0	-1024.7	-3355.7	-647.7	-1845.5
c3mim-mes-p1	-55.6	-47.6	-1839.2	-5698.1	-1025.9	-3356.7	-786.4	-2312.8	-1026.0	-3357.4	-788.4	-2317.9
c3mim-mes-p2	-48.3	-41.0	-1834.4	-5693.0	-1024.7	-3355.0	-786.4	-2312.9	-1024.9	-3355.7	-788.2	-2317.5
c3mim-ntf2-p1	-83.1	-74.8	-3570.6	-10446.7	-1025.1	-3355.4	-2507.0	-7046.8	-1025.3	-3356.4	-2508.9	-7052.0
c3mim-ntf2-p2	-55.5	-48.8	-3558.4	-10431.5	-1025.3	-3356.7	-2506.5	-7045.9	-1025.4	-3357.3	-2508.1	-7050.4
c3mim-ntf2-p3	-49.4	-43.1	-3556.3	-10426.4	-1024.8	-3355.7	-2507.0	-7045.7	-1024.9	-3356.4	-2508.4	-7049.8
c3mim-ntf2-p4	-71.3	-64.2	-3564.8	-10440.0	-1024.6	-3354.7	-2507.2	-7047.0	-1024.8	-3355.5	-2508.8	-7051.5
c3mim-pf6-p1	-42.3	-35.8	-2309.5	-7001.2	-1024.7	-3354.9	-1265.4	-3623.4	-1024.9	-3355.5	-1267.1	-3627.4
c3mim-pf6-p2	-37.9	-31.8	-2307.1	-6998.5	-1024.3	-3354.3	-1265.5	-3623.6	-1024.4	-3354.9	-1267.0	-3627.4
c3mim-tos-p1	-54.9	-47.4	-2508.3	-7649.9	-1025.7	-3356.5	-1455.9	-4265.3	-1025.8	-3357.2	-1457.7	-4270.1
c3mim-tos-p2	-51.7	-44.6	-2506.5	-7647.9	-1025.4	-3355.9	-1455.9	-4265.4	-1025.5	-3356.7	-1457.6	-4269.9

c3mpyr-bf4-p1	-35.9	-30.0	-1827.6	-5883.7	-982.9	-3471.3	-827.9	-2393.3	-983.0	-3471.7	-829.4	-2397.2
c3mpyr-bf4-p2	-33.4	-28.0	-1826.8	-5882.6	-983.3	-3471.6	-827.9	-2393.3	-983.3	-3471.9	-829.3	-2397.0
c3mpyr-bf4-p3	-33.3	-27.9	-1826.4	-5882.5	-983.0	-3471.5	-827.9	-2393.3	-983.0	-3471.8	-829.2	-2396.9
c3mpyr-br-p1	-53.3	-45.7	-1246.9	-4069.2	-983.6	-3472.3	-238.6	-568.3	-983.6	-3472.5	-240.6	-573.6
c3mpyr-br-p2	-50.2	-43.0	-1245.3	-4067.6	-983.4	-3472.3	-238.6	-568.3	-983.5	-3472.5	-240.5	-573.4
c3mpyr-br-p3	-50.7	-43.6	-1245.5	-4068.0	-983.5	-3472.4	-238.6	-568.3	-983.5	-3472.6	-240.5	-573.3
c3mpyr-cl-p1	-44.8	-39.5	-1142.5	-3938.3	-983.6	-3472.3	-138.0	-442.1	-983.7	-3472.5	-139.1	-446.0
c3mpyr-cl-p2	-43.3	-38.3	-1141.6	-3937.6	-983.3	-3472.4	-138.0	-442.1	-983.4	-3472.6	-139.1	-445.8
c3mpyr-cl-p3	-43.2	-38.3	-1141.7	-3937.7	-983.6	-3472.5	-138.0	-442.1	-983.6	-3472.6	-139.1	-445.8
c3mpyr-dca-p1	-45.2	-41.8	-1646.3	-5323.7	-983.2	-3471.7	-641.0	-1828.9	-983.2	-3472.0	-641.8	-1831.1
c3mpyr-dca-p2	-47.5	-44.0	-1647.0	-5325.2	-983.0	-3471.6	-641.0	-1829.1	-983.1	-3472.0	-641.8	-1831.3
c3mpyr-dca-p3	-43.2	-40.0	-1643.7	-5325.1	-983.1	-3471.6	-641.0	-1829.8	-983.2	-3472.0	-641.7	-1831.9
c3mpyr-dca-p4	-46.1	-42.8	-1646.3	-5324.7	-983.3	-3471.8	-640.9	-1828.9	-983.4	-3472.1	-641.6	-1831.1
c3mpyr-dca-p5	-48.1	-44.7	-1647.1	-5325.6	-983.1	-3471.6	-640.9	-1829.0	-983.2	-3472.0	-641.7	-1831.2
c3mpyr-mes-p1	-45.4	-38.3	-1791.5	-5808.7	-982.9	-3471.6	-786.3	-2313.9	-983.0	-3472.0	-788.2	-2318.7
c3mpyr-mes-p2	-41.3	-34.7	-1790.2	-5807.1	-983.6	-3472.0	-786.4	-2314.0	-983.6	-3472.4	-788.1	-2318.4
c3mpyr-mes-p3	-40.8	-34.3	-1789.5	-5806.6	-983.1	-3471.9	-786.3	-2313.9	-983.1	-3472.3	-788.0	-2318.2
c3mpyr-ntf2-p1	-53.4	-47.4	-3513.6	-10545.8	-983.3	-3471.5	-2505.5	-7045.8	-983.4	-3472.0	-2506.9	-7049.7
c3mpyr-ntf2-p2	-40.7	-35.8	-3508.1	-10536.9	-982.9	-3471.2	-2505.3	-7044.8	-983.0	-3471.6	-2506.5	-7048.1
c3mpyr-ntf2-p3	-50.4	-44.8	-3512.0	-10543.9	-982.9	-3471.2	-2505.5	-7045.7	-983.0	-3471.7	-2506.9	-7049.5
c3mpyr-ntf2-p4	-51.3	-45.6	-3512.3	-10544.4	-983.0	-3471.4	-2505.4	-7045.6	-983.1	-3471.8	-2506.8	-7049.4
c3mpyr-ntf2-p5	-42.3	-37.3	-3508.3	-10537.6	-982.7	-3471.0	-2505.2	-7044.7	-982.8	-3471.5	-2506.4	-7048.0
c3mpyr-ntf2-p6	-41.7	-36.7	-3508.6	-10537.7	-983.1	-3471.4	-2505.3	-7044.8	-983.2	-3471.8	-2506.5	-7048.1
c3mpyr-pf6-p1	-36.7	-30.6	-2265.5	-7114.7	-982.8	-3471.2	-1265.6	-3623.9	-982.9	-3471.5	-1267.2	-3627.9
c3mpyr-pf6-p2	-33.5	-27.9	-2264.3	-7113.1	-983.1	-3471.3	-1265.6	-3624.0	-983.2	-3471.7	-1267.1	-3627.6
c3mpyr-pf6-p3	-33.7	-28.1	-2264.1	-7113.3	-982.9	-3471.3	-1265.6	-3624.0	-983.0	-3471.6	-1267.1	-3627.7
c3mpyr-tos-p1	-42.8	-36.2	-2459.4	-7759.0	-982.9	-3471.6	-1455.3	-4265.9	-983.0	-3472.0	-1456.9	-4270.3
c3mpyr-tos-p2	-38.7	-32.6	-2458.0	-7757.4	-983.5	-3472.0	-1455.3	-4265.9	-983.6	-3472.4	-1456.8	-4270.0
c4mim-bf4-p1	-38.5	-32.1	-1978.1	-6149.5	-1132.0	-3734.2	-828.2	-2394.7	-1132.2	-3734.8	-829.8	-2398.8
c4mim-bf4-p2	-37.1	-31.0	-1977.3	-6148.7	-1132.0	-3734.0	-828.2	-2394.7	-1132.1	-3734.6	-829.7	-2398.6
c4mim-br-p1	-54.4	-46.2	-1397.3	-4339.3	-1133.4	-3741.9	-238.6	-568.3	-1133.5	-3742.2	-240.8	-573.9
c4mim-br-p2	-39.8	-32.3	-1391.9	-4332.4	-1134.1	-3743.4	-238.6	-568.3	-1134.2	-3743.7	-240.6	-573.5
c4mim-br-p3	-45.1	-37.3	-1394.1	-4334.5	-1133.7	-3742.8	-238.6	-568.3	-1133.8	-3743.1	-240.7	-573.8
c4mim-br-p4	-54.7	-46.5	-1397.8	-4339.8	-1133.6	-3742.4	-238.6	-568.3	-1133.7	-3742.8	-240.8	-573.9
c4mim-cl-p1	-44.1	-38.2	-1292.0	-4207.1	-1133.2	-3741.6	-138.0	-442.1	-1133.3	-3742.0	-139.3	-446.3
c4mim-cl-p2	-33.6	-28.5	-1289.1	-4203.0	-1134.3	-3743.9	-138.0	-442.1	-1134.4	-3744.2	-139.0	-446.0
c4mim-cl-p3	-38.0	-32.5	-1290.7	-4204.6	-1133.9	-3743.2	-138.0	-442.1	-1133.9	-3743.4	-139.2	-446.2
c4mim-cl-p4	-43.6	-37.8	-1291.9	-4207.2	-1133.4	-3742.0	-138.0	-442.1	-1133.5	-3742.4	-139.3	-446.2
c4mim-dca-p1	-66.7	-62.3	-1809.8	-5613.1	-1131.9	-3734.3	-646.7	-1843.3	-1132.1	-3735.0	-647.6	-1846.0

c4mim-dca-p2	-70.1	-65.5	-1811.9	-5614.6	-1132.1	-3734.6	-646.8	-1843.0	-1132.2	-3735.3	-647.7	-1845.9
c4mim-dca-p3	-65.2	-61.0	-1808.3	-5611.6	-1131.4	-3733.6	-646.7	-1843.0	-1131.6	-3734.4	-647.5	-1845.5
c4mim-mes-p1	-56.8	-48.6	-1946.8	-6077.6	-1132.9	-3735.5	-786.4	-2312.8	-1133.0	-3736.2	-788.4	-2318.1
c4mim-mes-p2	-48.4	-41.1	-1941.2	-6071.7	-1131.6	-3733.6	-786.4	-2312.9	-1131.7	-3734.3	-788.3	-2317.6
c4mim-pf6-p1	-44.5	-37.3	-2418.0	-7381.6	-1131.9	-3734.2	-1265.5	-3623.5	-1132.1	-3734.8	-1267.3	-3628.2
c4mim-pf6-p2	-37.9	-31.8	-2413.9	-7377.2	-1131.2	-3733.0	-1265.5	-3623.6	-1131.3	-3733.5	-1267.0	-3627.4
c4mim-tos-p1	-57.1	-49.4	-2616.4	-8030.0	-1132.7	-3735.4	-1455.9	-4265.3	-1132.9	-3736.1	-1457.8	-4270.3
c4mim-tos-p2	-52.9	-45.8	-2614.4	-8027.6	-1132.7	-3735.2	-1455.9	-4265.3	-1132.8	-3735.9	-1457.6	-4269.9
c4mpyr-bf4-p1	-36.0	-30.0	-1934.4	-6262.7	-1089.7	-3850.3	-827.9	-2393.3	-1089.8	-3850.7	-829.4	-2397.2
c4mpyr-bf4-p2	-33.5	-28.0	-1933.6	-6261.7	-1090.1	-3850.6	-827.9	-2393.3	-1090.1	-3850.9	-829.3	-2397.0
c4mpyr-bf4-p3	-33.5	-28.1	-1933.3	-6261.7	-1089.8	-3850.5	-827.9	-2393.3	-1089.9	-3850.8	-829.3	-2397.0
c4mpyr-br-p1	-53.5	-45.9	-1353.8	-4448.3	-1090.4	-3851.3	-238.6	-568.3	-1090.5	-3851.5	-240.7	-573.7
c4mpyr-br-p2	-50.6	-43.3	-1352.2	-4446.9	-1090.3	-3851.3	-238.6	-568.3	-1090.3	-3851.5	-240.6	-573.4
c4mpyr-br-p3	-51.0	-43.8	-1352.5	-4447.2	-1090.3	-3851.3	-238.6	-568.3	-1090.4	-3851.6	-240.5	-573.4
c4mpyr-cl-p1	-44.8	-39.5	-1249.3	-4317.3	-1090.4	-3851.3	-138.0	-442.1	-1090.5	-3851.5	-139.2	-446.0
c4mpyr-cl-p2	-43.9	-38.7	-1248.7	-4317.0	-1090.2	-3851.5	-138.0	-442.1	-1090.2	-3851.7	-139.1	-445.9
c4mpyr-cl-p3	-43.2	-38.2	-1248.5	-4316.6	-1090.4	-3851.4	-138.0	-442.1	-1090.4	-3851.6	-139.1	-445.8
c4mpyr-dca-p1	-45.2	-42.0	-1752.2	-5703.4	-1089.9	-3850.4	-640.9	-1829.1	-1090.0	-3850.8	-641.7	-1831.2
c4mpyr-dca-p2	-47.5	-44.0	-1753.8	-5704.2	-1089.9	-3850.6	-641.0	-1829.1	-1090.0	-3851.0	-641.8	-1831.3
c4mpyr-dca-p3	-46.0	-42.5	-1753.4	-5703.1	-1089.9	-3850.6	-641.0	-1828.9	-1090.0	-3850.9	-641.8	-1831.2
c4mpyr-dca-p4	-46.9	-43.5	-1753.2	-5704.2	-1089.9	-3850.6	-641.0	-1829.0	-1090.0	-3851.0	-641.7	-1831.2
c4mpyr-dca-p5	-48.2	-44.8	-1753.9	-5704.7	-1089.9	-3850.6	-641.0	-1829.0	-1090.0	-3850.9	-641.7	-1831.2
c4mpyr-mes-p1	-45.4	-38.2	-1898.3	-6187.7	-1089.8	-3850.6	-786.3	-2313.9	-1089.8	-3851.0	-788.2	-2318.7
c4mpyr-mes-p2	-41.8	-35.1	-1897.2	-6186.4	-1090.4	-3851.1	-786.4	-2314.0	-1090.5	-3851.4	-788.2	-2318.5
c4mpyr-mes-p3	-41.0	-34.5	-1896.4	-6185.7	-1089.9	-3850.9	-786.4	-2313.9	-1090.0	-3851.3	-788.0	-2318.3
c4mpyr-ntf2-p1	-53.5	-47.5	-3620.4	-10924.8	-1090.1	-3850.4	-2505.5	-7045.7	-1090.2	-3850.9	-2506.9	-7049.7
c4mpyr-ntf2-p2	-45.6	-40.1	-3616.9	-10918.2	-1089.8	-3850.1	-2505.2	-7044.5	-1089.8	-3850.6	-2506.5	-7048.1
c4mpyr-ntf2-p3	-51.6	-45.9	-3619.4	-10923.6	-1089.8	-3850.4	-2505.5	-7045.7	-1089.9	-3850.8	-2506.9	-7049.6
c4mpyr-ntf2-p4	-52.3	-46.5	-3619.7	-10924.0	-1089.9	-3850.4	-2505.4	-7045.7	-1090.0	-3850.8	-2506.9	-7049.6
c4mpyr-ntf2-p5	-43.0	-37.9	-3615.4	-10917.0	-1089.5	-3850.1	-2505.2	-7044.7	-1089.6	-3850.5	-2506.4	-7048.0
c4mpyr-ntf2-p6	-43.2	-38.1	-3616.1	-10917.5	-1090.0	-3850.4	-2505.3	-7044.7	-1090.0	-3850.8	-2506.5	-7048.2
c4mpyr-pf6-p1	-36.8	-30.7	-2372.4	-7493.7	-1089.7	-3850.2	-1265.6	-3623.9	-1089.7	-3850.5	-1267.2	-3628.0
c4mpyr-pf6-p2	-33.9	-28.3	-2371.4	-7492.5	-1090.0	-3850.4	-1265.6	-3624.0	-1090.0	-3850.7	-1267.1	-3627.7
c4mpyr-pf6-p3	-33.9	-28.3	-2371.1	-7492.5	-1089.8	-3850.3	-1265.6	-3624.0	-1089.8	-3850.6	-1267.1	-3627.7
c4mpyr-tos-p1	-43.0	-36.4	-2566.5	-8138.2	-1089.8	-3850.6	-1455.3	-4265.9	-1089.9	-3851.1	-1457.0	-4270.4
c4mpyr-tos-p2	-39.3	-33.2	-2565.2	-8136.9	-1090.4	-3851.0	-1455.4	-4266.0	-1090.5	-3851.4	-1456.9	-4270.1

2.2.13 ACCQ basis set

Table S 14: Raw ACCQ energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-34.6	-31.3	-1662.2	-5064.5	-812.0	-2615.8	-834.5	-2429.9	-812.1	-2616.7	-834.6	-2432.0
clmim-br-p1	-57.4	-45.1	-1082.7	-3235.5	-813.9	-2623.3	-242.7	-580.9	-814.0	-2623.8	-246.1	-589.2
clmim-br-p2	-40.5	-28.0	-1074.8	-3226.2	-813.7	-2623.3	-242.7	-580.9	-813.7	-2623.6	-246.0	-589.6
clmim-cl-p1	-39.9	-36.8	-973.4	-3096.7	-813.8	-2623.0	-140.6	-452.7	-813.8	-2623.5	-140.8	-455.2
clmim-cl-p2	-28.8	-25.1	-968.9	-3091.1	-813.9	-2623.9	-140.6	-452.7	-813.9	-2624.2	-140.8	-456.0
clmim-dca-p1	-64.9	-61.5	-1492.6	-4514.7	-812.4	-2617.0	-650.2	-1862.9	-812.5	-2618.0	-650.3	-1865.1
clmim-dca-p2	-47.8	-44.5	-1484.8	-4506.3	-812.5	-2618.1	-649.8	-1862.9	-812.6	-2618.7	-650.0	-1865.2
clmim-mes-p1	-46.4	-42.2	-1628.1	-4986.8	-812.5	-2616.7	-793.3	-2346.0	-812.6	-2617.7	-793.6	-2348.8
clmim-ntf2-p1	-75.0	-68.4	-3370.1	-9799.7	-812.0	-2615.9	-2524.3	-7142.5	-812.2	-2617.5	-2524.8	-7146.9
clmim-ntf2-p2	-41.0	-35.5	-3354.9	-9780.2	-812.3	-2617.6	-2523.5	-7140.8	-812.4	-2618.6	-2523.9	-7144.7
clmim-ntf2-p3	-45.6	-40.2	-3358.1	-9782.2	-812.0	-2616.7	-2524.3	-7141.6	-812.2	-2617.9	-2524.7	-7145.4
clmim-pf6-p1	-37.7	-33.6	-2105.3	-6316.1	-812.0	-2615.9	-1276.4	-3679.6	-812.1	-2616.8	-1276.6	-3682.3
clmim-tos-p1	-44.5	-40.2	-2297.9	-6952.7	-812.2	-2616.4	-1464.5	-4313.2	-812.3	-2617.5	-1464.7	-4315.9
clmpyr-bf4-p1	-34.2	-30.4	-1618.3	-5175.9	-768.4	-2729.1	-834.1	-2428.4	-768.5	-2729.7	-834.3	-2431.1
clmpyr-bf4-p2	-31.5	-28.0	-1617.1	-5174.7	-768.6	-2729.3	-834.1	-2428.4	-768.6	-2729.8	-834.3	-2431.0
clmpyr-br-p1	-58.9	-45.0	-1037.9	-3343.8	-769.1	-2730.1	-242.7	-580.9	-769.2	-2730.4	-246.5	-590.6
clmpyr-br-p2	-55.9	-42.8	-1036.5	-3342.4	-769.1	-2730.3	-242.7	-580.9	-769.2	-2730.6	-246.3	-590.0
clmpyr-cl-p1	-42.5	-38.8	-929.5	-3205.8	-769.2	-2730.2	-140.6	-452.7	-769.2	-2730.5	-140.8	-456.0
clmpyr-cl-p2	-41.3	-37.7	-928.9	-3205.3	-769.2	-2730.4	-140.6	-452.7	-769.2	-2730.6	-140.8	-455.9
clmpyr-dca-p1	-44.6	-41.7	-1434.6	-4601.7	-769.0	-2729.8	-644.3	-1848.6	-769.1	-2730.4	-644.4	-1850.7
clmpyr-dca-p2	-48.7	-45.7	-1435.8	-4604.4	-768.8	-2729.5	-644.2	-1848.9	-768.9	-2730.1	-644.4	-1851.1
clmpyr-dca-p3	-45.2	-42.0	-1432.7	-4603.9	-768.5	-2729.3	-644.1	-1849.4	-768.6	-2729.9	-644.3	-1851.7
clmpyr-dca-p4	-47.1	-44.1	-1434.8	-4603.3	-768.5	-2729.3	-644.2	-1848.9	-768.6	-2729.9	-644.4	-1851.1
clmpyr-mes-p1	-41.9	-37.4	-1582.1	-5098.1	-768.4	-2729.4	-793.3	-2347.1	-768.5	-2730.1	-793.7	-2350.5
clmpyr-mes-p2	-36.9	-32.8	-1579.9	-5095.8	-768.7	-2729.7	-793.3	-2347.1	-768.7	-2730.4	-793.6	-2350.2
clmpyr-ntf2-p1	-51.0	-45.2	-3314.1	-9899.0	-768.8	-2729.2	-2522.7	-7141.5	-768.9	-2730.1	-2523.2	-7145.8
clmpyr-ntf2-p2	-39.9	-34.7	-3309.5	-9891.0	-768.5	-2728.9	-2522.6	-7140.5	-768.6	-2729.8	-2523.0	-7144.4
clmpyr-ntf2-p3	-49.5	-43.8	-3313.4	-9898.0	-768.8	-2729.3	-2522.6	-7141.2	-768.8	-2730.2	-2523.1	-7145.5
clmpyr-ntf2-p5	-41.2	-36.0	-3310.2	-9891.7	-768.7	-2729.2	-2522.5	-7140.3	-768.8	-2730.0	-2522.9	-7144.1
clmpyr-pf6-p1	-34.9	-30.5	-2060.7	-6428.1	-768.4	-2729.0	-1276.5	-3679.9	-768.5	-2729.7	-1276.8	-3683.3
clmpyr-pf6-p2	-32.2	-28.2	-2059.5	-6427.0	-768.6	-2729.2	-1276.5	-3680.0	-768.6	-2729.7	-1276.8	-3683.2
clmpyr-tos-p1	-39.9	-35.3	-2252.0	-7063.7	-768.5	-2729.4	-1464.0	-4313.9	-768.5	-2730.2	-1464.4	-4317.3
clmpyr-tos-p2	-34.8	-30.6	-2249.3	-7061.4	-768.6	-2729.5	-1464.0	-4313.9	-768.6	-2730.2	-1464.3	-4317.0

c2mim-bf4-p1	-36.8	-33.1	-1772.2	-5448.5	-920.9	-2998.7	-834.5	-2429.8	-921.0	-2999.6	-834.7	-2432.4
c2mim-bf4-p2	-34.2	-30.7	-1770.5	-5446.6	-920.5	-2998.0	-834.5	-2429.9	-920.6	-2998.9	-834.7	-2432.2
c2mim-br-p1	-60.2	-46.5	-1192.1	-3619.6	-922.4	-3005.6	-242.7	-580.9	-922.4	-3006.0	-246.5	-590.2
c2mim-br-p2	-45.6	-31.7	-1186.7	-3613.4	-923.3	-3007.6	-242.7	-580.9	-923.4	-3007.9	-246.5	-590.7
c2mim-br-p3	-45.8	-32.3	-1186.1	-3612.4	-922.5	-3006.6	-242.7	-580.9	-922.6	-3006.8	-246.4	-590.4
c2mim-br-p4	-59.4	-46.4	-1192.6	-3620.2	-923.1	-3006.8	-242.7	-580.9	-923.1	-3007.2	-246.3	-589.7
c2mim-cl-p1	-42.0	-38.5	-1082.7	-3480.4	-922.3	-3005.5	-140.6	-452.7	-922.3	-3005.9	-140.8	-455.5
c2mim-cl-p2	-31.5	-27.5	-1079.8	-3476.8	-923.6	-3008.1	-140.6	-452.7	-923.6	-3008.4	-140.9	-456.2
c2mim-cl-p3	-32.2	-28.3	-1079.3	-3476.1	-922.8	-3007.1	-140.6	-452.7	-922.8	-3007.4	-140.8	-456.0
c2mim-cl-p4	-41.0	-37.7	-1082.9	-3480.7	-922.8	-3006.4	-140.6	-452.7	-922.8	-3006.8	-140.8	-455.3
c2mim-dca-p1	-66.5	-62.7	-1601.5	-4898.2	-920.9	-2999.0	-650.0	-1863.2	-921.0	-3000.0	-650.3	-1865.7
c2mim-dca-p2	-62.5	-58.9	-1600.1	-4895.7	-921.0	-2999.1	-650.1	-1863.1	-921.1	-3000.0	-650.3	-1865.4
c2mim-dca-p3	-66.8	-63.0	-1602.7	-4898.8	-921.6	-2999.8	-650.2	-1863.0	-921.7	-3000.8	-650.4	-1865.5
c2mim-dca-p4	-63.6	-60.0	-1600.4	-4896.3	-920.9	-2999.0	-650.1	-1863.0	-921.0	-3000.0	-650.3	-1865.3
c2mim-dca-p5	-65.1	-61.5	-1601.1	-4897.1	-920.9	-2999.1	-650.2	-1862.9	-921.0	-3000.1	-650.4	-1865.2
c2mim-dca-p6	-65.3	-61.8	-1600.9	-4897.2	-920.8	-2998.8	-650.2	-1863.0	-920.9	-2999.7	-650.4	-1865.3
c2mim-mes-p1	-52.1	-47.4	-1739.9	-5373.0	-921.7	-2999.9	-793.3	-2345.9	-921.8	-3001.0	-793.6	-2349.1
c2mim-mes-p2	-47.0	-42.6	-1736.6	-5369.3	-920.8	-2998.7	-793.3	-2346.1	-921.0	-2999.7	-793.6	-2349.0
c2mim-ntf2-p1	-81.8	-74.3	-3482.1	-10186.4	-921.0	-2998.8	-2524.3	-7142.5	-921.2	-3000.5	-2524.9	-7147.7
c2mim-ntf2-p2	-52.1	-45.6	-3469.0	-10170.2	-921.2	-3000.3	-2523.8	-7141.7	-921.3	-3001.5	-2524.3	-7146.4
c2mim-ntf2-p3	-49.2	-43.1	-3468.5	-10166.6	-920.8	-2999.2	-2524.3	-7141.6	-920.9	-3000.5	-2524.8	-7145.9
c2mim-ntf2-p4	-71.7	-65.0	-3478.0	-10180.9	-920.9	-2998.7	-2524.7	-7142.9	-921.1	-3000.3	-2525.1	-7147.4
c2mim-pf6-p1	-41.8	-37.2	-2216.0	-6701.1	-920.8	-2998.6	-1276.4	-3679.5	-920.9	-2999.6	-1276.7	-3682.8
c2mim-pf6-p2	-37.9	-33.7	-2213.7	-6698.5	-920.4	-2997.9	-1276.4	-3679.6	-920.5	-2998.9	-1276.7	-3682.4
c2mim-tos-p1	-52.0	-47.1	-2410.8	-7339.8	-921.5	-2999.7	-1464.4	-4313.0	-921.7	-3000.8	-1464.7	-4316.3
c2mim-tos-p2	-45.8	-41.2	-2407.2	-7335.7	-920.8	-2998.7	-1464.4	-4313.1	-921.0	-2999.9	-1464.7	-4316.1
c2mpyr-bf4-p1	-34.7	-30.9	-1729.1	-5561.7	-879.1	-3114.6	-834.1	-2428.3	-879.1	-3115.3	-834.3	-2431.2
c2mpyr-bf4-p2	-32.6	-29.0	-1728.6	-5561.1	-879.6	-3115.1	-834.1	-2428.4	-879.6	-3115.7	-834.3	-2431.1
c2mpyr-bf4-p3	-32.2	-28.6	-1728.0	-5560.7	-879.2	-3114.8	-834.1	-2428.4	-879.2	-3115.4	-834.3	-2431.1
c2mpyr-br-p1	-60.5	-45.8	-1149.1	-3730.3	-879.7	-3115.6	-242.7	-580.9	-879.8	-3115.9	-246.8	-591.2
c2mpyr-br-p2	-58.6	-44.2	-1148.2	-3729.7	-879.7	-3116.1	-242.7	-580.9	-879.7	-3116.3	-246.7	-591.0
c2mpyr-br-p3	-57.4	-43.6	-1147.6	-3728.7	-879.6	-3115.7	-242.7	-580.9	-879.7	-3115.9	-246.5	-590.6
c2mpyr-cl-p1	-43.1	-39.2	-1040.3	-3591.6	-879.8	-3115.6	-140.6	-452.7	-879.8	-3115.9	-140.9	-456.1
c2mpyr-cl-p2	-42.0	-38.2	-1039.6	-3591.2	-879.5	-3115.8	-140.6	-452.7	-879.5	-3116.1	-140.9	-456.0
c2mpyr-cl-p3	-41.6	-37.9	-1039.6	-3591.0	-879.8	-3115.8	-140.6	-452.7	-879.8	-3116.1	-140.8	-456.0
c2mpyr-dca-p1	-44.8	-41.8	-1545.2	-4987.3	-879.6	-3115.2	-644.3	-1848.6	-879.6	-3115.8	-644.4	-1850.8
c2mpyr-dca-p2	-48.4	-45.3	-1546.4	-4989.5	-879.2	-3115.0	-644.3	-1849.0	-879.3	-3115.6	-644.5	-1851.3
c2mpyr-dca-p3	-49.1	-46.0	-1546.4	-4990.0	-879.3	-3114.9	-644.2	-1848.9	-879.3	-3115.5	-644.4	-1851.2
c2mpyr-mes-p1	-43.2	-38.5	-1693.2	-5484.5	-879.1	-3114.9	-793.3	-2347.1	-879.1	-3115.7	-793.7	-2350.6

c2mpyr-mes-p2	-39.8	-35.4	-1692.2	-5483.4	-879.8	-3115.5	-793.3	-2347.2	-879.8	-3116.1	-793.7	-2350.6
c2mpyr-mes-p3	-38.5	-34.1	-1691.1	-5482.3	-879.3	-3115.3	-793.3	-2347.1	-879.3	-3115.9	-793.6	-2350.4
c2mpyr-ntf2-p1	-52.4	-46.4	-3425.6	-10285.3	-879.4	-3114.6	-2522.9	-7141.6	-879.5	-3115.5	-2523.3	-7146.1
c2mpyr-ntf2-p2	-42.3	-36.7	-3421.1	-10278.0	-879.0	-3114.4	-2522.6	-7140.7	-879.1	-3115.3	-2523.1	-7144.9
c2mpyr-ntf2-p3	-51.3	-45.3	-3424.9	-10284.5	-879.2	-3114.7	-2522.8	-7141.5	-879.3	-3115.5	-2523.2	-7146.0
c2mpyr-ntf2-p4	-50.2	-44.3	-3424.2	-10284.1	-879.2	-3114.6	-2522.8	-7141.5	-879.3	-3115.5	-2523.3	-7146.0
c2mpyr-ntf2-p5	-43.9	-38.4	-3421.6	-10278.6	-878.9	-3114.4	-2522.5	-7140.5	-879.0	-3115.2	-2523.0	-7144.6
c2mpyr-ntf2-p6	-41.5	-36.2	-3421.0	-10277.7	-879.3	-3114.7	-2522.7	-7140.6	-879.4	-3115.5	-2523.1	-7144.6
c2mpyr-pf6-p1	-35.2	-30.7	-2171.7	-6814.0	-879.3	-3114.7	-1276.5	-3679.9	-879.3	-3115.4	-1276.8	-3683.3
c2mpyr-pf6-p2	-33.3	-29.1	-2170.9	-6813.1	-879.3	-3114.8	-1276.5	-3680.0	-879.4	-3115.3	-1276.8	-3683.3
c2mpyr-pf6-p3	-32.9	-28.6	-2170.3	-6812.9	-879.1	-3114.7	-1276.5	-3680.0	-879.2	-3115.2	-1276.8	-3683.3
c2mpyr-tos-p1	-41.4	-36.6	-2363.1	-7450.2	-879.1	-3114.9	-1464.0	-4313.9	-879.1	-3115.7	-1464.4	-4317.5
c2mpyr-tos-p2	-38.1	-33.6	-2362.1	-7449.1	-879.7	-3115.4	-1464.0	-4314.0	-879.8	-3116.1	-1464.3	-4317.3
c3mim-bf4-p1	-37.7	-33.7	-1880.2	-5830.7	-1028.5	-3380.4	-834.5	-2429.9	-1028.6	-3381.4	-834.7	-2432.5
c3mim-bf4-p2	-36.7	-32.9	-1879.6	-5830.2	-1028.5	-3380.4	-834.5	-2429.9	-1028.6	-3381.4	-834.7	-2432.4
c3mim-br-p1	-61.4	-47.1	-1300.1	-4002.6	-1029.9	-3387.9	-242.7	-580.9	-1030.0	-3388.3	-246.7	-590.7
c3mim-br-p2	-46.5	-32.0	-1294.3	-3995.9	-1030.6	-3389.5	-242.7	-580.9	-1030.7	-3389.8	-246.6	-591.1
c3mim-br-p3	-51.3	-36.5	-1296.2	-3997.8	-1030.2	-3388.9	-242.7	-580.9	-1030.3	-3389.2	-246.8	-591.2
c3mim-br-p4	-62.0	-47.7	-1300.8	-4003.5	-1030.2	-3388.6	-242.7	-580.9	-1030.2	-3389.0	-246.7	-590.6
c3mim-cl-p1	-42.5	-38.9	-1190.4	-3862.8	-1029.8	-3387.6	-140.6	-452.7	-1029.8	-3388.0	-140.8	-455.6
c3mim-cl-p2	-31.7	-27.6	-1187.2	-3858.9	-1030.9	-3390.1	-140.6	-452.7	-1030.9	-3390.4	-140.9	-456.3
c3mim-cl-p3	-35.5	-31.4	-1188.5	-3860.1	-1030.4	-3389.3	-140.6	-452.7	-1030.5	-3389.6	-140.9	-456.2
c3mim-cl-p4	-42.0	-38.5	-1190.5	-3863.1	-1030.0	-3388.2	-140.6	-452.7	-1030.0	-3388.7	-140.8	-455.6
c3mim-dca-p1	-67.5	-63.6	-1709.4	-5280.4	-1028.3	-3380.6	-650.1	-1863.3	-1028.5	-3381.6	-650.3	-1865.9
c3mim-dca-p2	-69.0	-65.0	-1710.4	-5281.7	-1028.7	-3381.2	-650.1	-1863.1	-1028.9	-3382.3	-650.3	-1865.7
c3mim-dca-p3	-58.5	-54.6	-1705.8	-5276.5	-1028.8	-3382.0	-649.9	-1863.1	-1028.9	-3382.8	-650.1	-1865.9
c3mim-dca-p4	-70.3	-66.2	-1711.1	-5281.5	-1028.5	-3380.8	-650.1	-1863.0	-1028.6	-3381.9	-650.4	-1865.6
c3mim-dca-p5	-66.7	-62.9	-1708.3	-5279.3	-1027.9	-3380.0	-650.0	-1863.0	-1028.0	-3381.1	-650.2	-1865.4
c3mim-dca-p6	-65.5	-61.9	-1708.1	-5278.7	-1028.0	-3380.0	-650.2	-1863.1	-1028.1	-3381.0	-650.4	-1865.4
c3mim-mes-p1	-54.7	-49.6	-1848.8	-5756.4	-1029.3	-3381.9	-793.3	-2346.0	-1029.4	-3383.0	-793.7	-2349.4
c3mim-mes-p2	-47.5	-43.0	-1844.0	-5751.1	-1028.2	-3380.0	-793.3	-2346.1	-1028.3	-3381.1	-793.7	-2349.1
c3mim-ntf2-p1	-85.5	-77.4	-3591.2	-10570.3	-1028.5	-3380.5	-2524.3	-7142.6	-1028.7	-3382.3	-2524.9	-7148.2
c3mim-ntf2-p2	-56.7	-49.7	-3578.6	-10554.2	-1028.7	-3381.9	-2523.8	-7141.7	-1028.8	-3383.1	-2524.4	-7146.8
c3mim-ntf2-p3	-51.2	-44.7	-3576.8	-10549.3	-1028.2	-3380.9	-2524.3	-7141.6	-1028.4	-3382.2	-2524.8	-7146.1
c3mim-ntf2-p4	-73.2	-66.4	-3585.5	-10563.0	-1028.1	-3379.7	-2524.6	-7142.9	-1028.2	-3381.3	-2525.1	-7147.5
c3mim-pf6-p1	-42.7	-38.1	-2323.5	-7083.0	-1028.2	-3380.0	-1276.3	-3679.3	-1028.3	-3381.0	-1276.6	-3682.5
c3mim-pf6-p2	-38.1	-33.8	-2321.0	-7080.0	-1027.7	-3379.3	-1276.4	-3679.6	-1027.8	-3380.3	-1276.7	-3682.5
c3mim-tos-p1	-55.2	-49.9	-2519.9	-7723.5	-1029.1	-3381.6	-1464.4	-4313.1	-1029.3	-3382.8	-1464.8	-4316.6
c3mim-tos-p2	-52.2	-47.1	-2518.1	-7721.5	-1028.8	-3381.1	-1464.4	-4313.1	-1029.0	-3382.3	-1464.8	-4316.5

c3mpyr-bf4-p1	-35.2	-31.2	-1836.7	-5944.3	-986.5	-3496.9	-834.1	-2428.3	-986.5	-3497.6	-834.3	-2431.3
c3mpyr-bf4-p2	-32.8	-29.0	-1835.9	-5943.3	-986.8	-3497.1	-834.1	-2428.4	-986.9	-3497.8	-834.3	-2431.2
c3mpyr-bf4-p3	-32.6	-28.9	-1835.5	-5943.1	-986.5	-3497.0	-834.1	-2428.4	-986.6	-3497.6	-834.3	-2431.2
c3mpyr-br-p1	-61.9	-46.6	-1257.1	-4113.4	-987.2	-3497.8	-242.7	-580.9	-987.2	-3498.1	-246.9	-591.6
c3mpyr-br-p2	-58.6	-43.9	-1255.4	-4111.6	-987.0	-3497.8	-242.7	-580.9	-987.0	-3498.1	-246.7	-591.2
c3mpyr-br-p3	-58.7	-44.3	-1255.5	-4111.7	-987.1	-3497.9	-242.7	-580.9	-987.1	-3498.2	-246.7	-590.9
c3mpyr-cl-p1	-43.6	-39.7	-1147.9	-3974.1	-987.2	-3497.9	-140.6	-452.7	-987.2	-3498.2	-140.9	-456.1
c3mpyr-cl-p2	-42.3	-38.4	-1147.1	-3973.4	-986.9	-3497.9	-140.6	-452.7	-986.9	-3498.2	-140.9	-456.1
c3mpyr-cl-p3	-42.0	-38.2	-1147.1	-3973.4	-987.1	-3498.0	-140.6	-452.7	-987.2	-3498.3	-140.9	-456.0
c3mpyr-dca-p1	-46.1	-43.0	-1653.0	-5370.2	-986.7	-3497.2	-644.3	-1848.8	-986.8	-3497.8	-644.5	-1851.1
c3mpyr-dca-p2	-48.4	-45.2	-1653.7	-5371.7	-986.6	-3497.1	-644.3	-1849.0	-986.6	-3497.8	-644.5	-1851.3
c3mpyr-dca-p3	-44.1	-40.8	-1650.4	-5371.5	-986.7	-3497.2	-644.3	-1849.7	-986.8	-3497.8	-644.5	-1852.0
c3mpyr-dca-p4	-47.1	-43.9	-1653.0	-5371.3	-986.9	-3497.3	-644.2	-1848.8	-986.9	-3498.0	-644.4	-1851.1
c3mpyr-dca-p5	-49.1	-45.9	-1653.8	-5372.2	-986.7	-3497.1	-644.2	-1848.9	-986.7	-3497.8	-644.4	-1851.2
c3mpyr-mes-p1	-44.1	-39.2	-1800.9	-5867.2	-986.5	-3497.1	-793.3	-2347.1	-986.6	-3497.9	-793.7	-2350.7
c3mpyr-mes-p2	-40.1	-35.5	-1799.6	-5865.7	-987.1	-3497.6	-793.3	-2347.2	-987.2	-3498.3	-793.7	-2350.6
c3mpyr-mes-p3	-39.4	-34.9	-1798.9	-5865.1	-986.6	-3497.5	-793.3	-2347.1	-986.7	-3498.2	-793.7	-2350.5
c3mpyr-ntf2-p1	-54.7	-48.4	-3534.0	-10669.0	-986.9	-3497.1	-2522.8	-7141.6	-986.9	-3498.0	-2523.3	-7146.4
c3mpyr-ntf2-p2	-42.2	-36.6	-3528.6	-10660.0	-986.5	-3496.7	-2522.6	-7140.6	-986.6	-3497.6	-2523.1	-7144.8
c3mpyr-ntf2-p3	-51.6	-45.5	-3532.3	-10667.0	-986.5	-3496.8	-2522.8	-7141.6	-986.6	-3497.7	-2523.3	-7146.2
c3mpyr-ntf2-p4	-52.5	-46.3	-3532.7	-10667.5	-986.6	-3496.9	-2522.7	-7141.4	-986.7	-3497.9	-2523.2	-7146.1
c3mpyr-ntf2-p5	-43.9	-38.3	-3528.9	-10660.8	-986.3	-3496.6	-2522.5	-7140.4	-986.4	-3497.5	-2522.9	-7144.6
c3mpyr-ntf2-p6	-43.3	-37.7	-3529.1	-10660.9	-986.7	-3496.9	-2522.6	-7140.5	-986.7	-3497.8	-2523.1	-7144.8
c3mpyr-pf6-p1	-36.5	-31.8	-2279.3	-7196.8	-986.4	-3496.7	-1276.5	-3679.9	-986.4	-3497.4	-1276.9	-3683.6
c3mpyr-pf6-p2	-33.3	-28.9	-2278.1	-7195.2	-986.7	-3496.9	-1276.5	-3680.0	-986.7	-3497.5	-1276.8	-3683.3
c3mpyr-pf6-p3	-33.5	-29.1	-2277.9	-7195.4	-986.5	-3496.8	-1276.5	-3680.0	-986.5	-3497.5	-1276.9	-3683.4
c3mpyr-tos-p1	-42.5	-37.5	-2470.9	-7833.0	-986.5	-3497.1	-1464.0	-4313.9	-986.5	-3498.0	-1464.3	-4317.6
c3mpyr-tos-p2	-38.5	-33.8	-2469.6	-7831.4	-987.1	-3497.5	-1464.0	-4313.9	-987.2	-3498.3	-1464.3	-4317.4
c4mim-bf4-p1	-38.3	-34.2	-1987.8	-6212.7	-1135.8	-3762.0	-834.5	-2429.9	-1135.9	-3763.0	-834.7	-2432.6
c4mim-bf4-p2	-36.9	-33.0	-1987.0	-6211.8	-1135.8	-3761.8	-834.5	-2429.9	-1135.9	-3762.8	-834.7	-2432.4
c4mim-br-p1	-62.8	-48.0	-1408.0	-4385.6	-1137.3	-3770.0	-242.7	-580.9	-1137.3	-3770.4	-246.9	-591.0
c4mim-br-p2	-48.0	-33.0	-1402.3	-4378.9	-1138.0	-3771.7	-242.7	-580.9	-1138.1	-3772.0	-246.8	-591.4
c4mim-br-p3	-53.9	-38.3	-1404.7	-4381.4	-1137.6	-3771.0	-242.7	-580.9	-1137.6	-3771.3	-247.0	-591.8
c4mim-br-p4	-63.0	-48.2	-1408.4	-4386.1	-1137.5	-3770.5	-242.7	-580.9	-1137.5	-3771.0	-246.8	-591.0
c4mim-cl-p1	-43.1	-39.4	-1298.0	-4245.3	-1137.1	-3769.7	-140.6	-452.7	-1137.2	-3770.2	-140.8	-455.7
c4mim-cl-p2	-32.3	-28.1	-1294.8	-4241.3	-1138.2	-3772.2	-140.6	-452.7	-1138.3	-3772.5	-140.9	-456.3
c4mim-cl-p3	-36.9	-32.7	-1296.4	-4243.0	-1137.8	-3771.4	-140.6	-452.7	-1137.8	-3771.7	-140.9	-456.3
c4mim-cl-p4	-42.5	-38.9	-1297.9	-4245.3	-1137.3	-3770.2	-140.6	-452.7	-1137.3	-3770.6	-140.8	-455.6
c4mim-dca-p1	-68.3	-64.2	-1817.1	-5662.5	-1135.7	-3762.2	-650.1	-1863.3	-1135.8	-3763.2	-650.3	-1866.0

c4mim-dca-p2	-71.9	-67.7	-1819.3	-5664.2	-1135.9	-3762.4	-650.1	-1863.0	-1136.0	-3763.5	-650.4	-1865.8
c4mim-dca-p3	-67.0	-63.2	-1815.7	-5661.0	-1135.2	-3761.5	-650.0	-1863.0	-1135.3	-3762.6	-650.2	-1865.4
c4mim-mes-p1	-56.0	-50.7	-1956.7	-6138.7	-1136.7	-3763.5	-793.3	-2346.0	-1136.8	-3764.6	-793.7	-2349.6
c4mim-mes-p2	-47.6	-43.0	-1951.3	-6132.6	-1135.4	-3761.4	-793.3	-2346.1	-1135.5	-3762.5	-793.7	-2349.1
c4mim-pf6-p1	-44.9	-39.6	-2432.3	-7466.3	-1135.8	-3762.0	-1276.4	-3679.5	-1135.9	-3763.1	-1276.7	-3683.3
c4mim-pf6-p2	-38.1	-33.8	-2428.3	-7461.6	-1135.0	-3760.8	-1276.4	-3679.6	-1135.1	-3761.8	-1276.7	-3682.5
c4mim-tos-p1	-57.5	-51.9	-2628.3	-8106.5	-1136.5	-3763.3	-1464.4	-4313.1	-1136.7	-3764.6	-1464.8	-4316.8
c4mim-tos-p2	-53.3	-48.1	-2626.4	-8104.0	-1136.5	-3763.1	-1464.4	-4313.1	-1136.6	-3764.3	-1464.8	-4316.5
c4mpyr-bf4-p1	-35.3	-31.3	-1943.9	-6326.1	-1093.7	-3878.6	-834.1	-2428.4	-1093.8	-3879.3	-834.3	-2431.4
c4mpyr-bf4-p2	-33.0	-29.1	-1943.2	-6325.2	-1094.0	-3878.9	-834.1	-2428.4	-1094.1	-3879.6	-834.3	-2431.2
c4mpyr-bf4-p3	-32.9	-29.0	-1942.8	-6325.1	-1093.8	-3878.8	-834.1	-2428.4	-1093.8	-3879.5	-834.3	-2431.3
c4mpyr-br-p1	-62.5	-46.8	-1364.5	-4495.5	-1094.4	-3879.6	-242.7	-580.9	-1094.4	-3879.9	-247.0	-591.8
c4mpyr-br-p2	-59.4	-44.2	-1362.8	-4494.0	-1094.2	-3879.7	-242.7	-580.9	-1094.2	-3879.9	-246.9	-591.5
c4mpyr-br-p3	-59.3	-44.6	-1363.0	-4493.9	-1094.3	-3879.7	-242.7	-580.9	-1094.3	-3880.0	-246.8	-591.2
c4mpyr-cl-p1	-43.6	-39.7	-1255.1	-4355.9	-1094.4	-3879.6	-140.6	-452.7	-1094.4	-3879.9	-140.9	-456.1
c4mpyr-cl-p2	-42.8	-38.9	-1254.5	-4355.7	-1094.2	-3879.9	-140.6	-452.7	-1094.2	-3880.2	-140.9	-456.2
c4mpyr-cl-p3	-42.0	-38.2	-1254.3	-4355.2	-1094.4	-3879.8	-140.6	-452.7	-1094.4	-3880.1	-140.9	-456.0
c4mpyr-dca-p1	-46.3	-43.0	-1759.3	-5752.8	-1093.9	-3878.7	-644.2	-1849.0	-1093.9	-3879.4	-644.4	-1851.4
c4mpyr-dca-p2	-48.4	-45.2	-1760.9	-5753.6	-1093.9	-3879.0	-644.3	-1849.0	-1093.9	-3879.6	-644.5	-1851.3
c4mpyr-dca-p3	-46.9	-43.7	-1760.5	-5752.4	-1093.9	-3878.9	-644.3	-1848.8	-1094.0	-3879.6	-644.5	-1851.1
c4mpyr-dca-p4	-47.8	-44.6	-1760.2	-5753.6	-1093.8	-3878.9	-644.3	-1849.0	-1093.9	-3879.6	-644.5	-1851.3
c4mpyr-dca-p5	-49.2	-46.0	-1761.1	-5754.1	-1093.9	-3878.9	-644.2	-1848.9	-1093.9	-3879.6	-644.4	-1851.3
c4mpyr-mes-p1	-44.1	-39.2	-1908.1	-6249.1	-1093.7	-3878.9	-793.3	-2347.1	-1093.8	-3879.7	-793.7	-2350.8
c4mpyr-mes-p2	-40.6	-35.9	-1907.0	-6247.9	-1094.4	-3879.4	-793.3	-2347.2	-1094.4	-3880.2	-793.7	-2350.7
c4mpyr-mes-p3	-39.7	-35.1	-1906.2	-6247.1	-1093.9	-3879.3	-793.3	-2347.1	-1094.0	-3880.0	-793.7	-2350.6
c4mpyr-ntf2-p1	-54.9	-48.4	-3641.1	-11050.8	-1094.0	-3878.8	-2522.8	-7141.5	-1094.1	-3879.8	-2523.3	-7146.4
c4mpyr-ntf2-p2	-47.2	-41.1	-3637.8	-11044.3	-1093.7	-3878.5	-2522.5	-7140.2	-1093.8	-3879.4	-2523.0	-7144.8
c4mpyr-ntf2-p3	-52.9	-46.7	-3640.2	-11049.6	-1093.7	-3878.7	-2522.8	-7141.5	-1093.8	-3879.6	-2523.3	-7146.3
c4mpyr-ntf2-p4	-53.6	-47.2	-3640.4	-11050.0	-1093.8	-3878.7	-2522.8	-7141.5	-1093.9	-3879.7	-2523.3	-7146.3
c4mpyr-ntf2-p5	-44.6	-38.9	-3636.4	-11043.1	-1093.5	-3878.4	-2522.5	-7140.4	-1093.6	-3879.3	-2522.9	-7144.7
c4mpyr-ntf2-p6	-45.0	-39.1	-3637.0	-11043.6	-1093.9	-3878.7	-2522.6	-7140.5	-1094.0	-3879.7	-2523.0	-7144.9
c4mpyr-pf6-p1	-36.6	-31.8	-2386.5	-7578.7	-1093.6	-3878.5	-1276.5	-3680.0	-1093.7	-3879.2	-1276.9	-3683.6
c4mpyr-pf6-p2	-33.8	-29.3	-2385.5	-7577.4	-1093.9	-3878.7	-1276.5	-3680.0	-1094.0	-3879.4	-1276.8	-3683.4
c4mpyr-pf6-p3	-33.8	-29.3	-2385.3	-7577.5	-1093.7	-3878.7	-1276.5	-3680.0	-1093.8	-3879.3	-1276.9	-3683.5
c4mpyr-tos-p1	-42.7	-37.7	-2578.3	-8215.1	-1093.8	-3879.0	-1464.0	-4313.9	-1093.8	-3879.8	-1464.4	-4317.6
c4mpyr-tos-p2	-39.2	-34.3	-2577.1	-8213.7	-1094.3	-3879.4	-1464.0	-4313.9	-1094.4	-3880.2	-1464.4	-4317.5

2.2.14 ACC5 basis set

Table S 15: Raw ACC5 energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
c1mim-bf4-p1	-33.5	-31.7	-1677.3	-5212.7	-817.6	-2677.5	-844.0	-2517.4	-817.7	-2677.9	-844.1	-2518.6
c1mim-cl-p1	-39.8	-37.6	-981.0	-3177.9	-819.4	-2684.6	-142.5	-472.5	-819.4	-2684.8	-142.6	-474.5
c1mim-cl-p2	-28.5	-25.9	-976.4	-3172.0	-819.5	-2685.3	-142.5	-472.5	-819.6	-2685.5	-142.6	-474.9
c1mim-dca-p1	-63.7	-62.1	-1503.0	-4623.7	-818.1	-2678.7	-654.9	-1911.3	-818.1	-2679.1	-655.0	-1912.4
c1mim-dca-p2	-46.8	-45.1	-1495.1	-4615.4	-818.2	-2679.7	-654.6	-1911.3	-818.2	-2680.0	-654.6	-1912.5
c1mim-mes-p1	-44.9	-42.8	-1642.8	-5122.5	-818.1	-2678.4	-802.5	-2421.4	-818.2	-2678.8	-802.6	-2422.9
c1mim-ntf2-p1	-72.1	-68.9	-3404.9	-10104.5	-817.7	-2677.6	-2553.8	-7388.2	-817.7	-2678.3	-2553.9	-7390.5
c1mim-ntf2-p2	-38.7	-35.9	-3389.7	-10085.5	-817.9	-2679.2	-2552.9	-7386.5	-818.0	-2679.7	-2553.1	-7388.6
c1mim-ntf2-p3	-43.4	-40.6	-3392.9	-10087.6	-817.7	-2678.3	-2553.8	-7387.3	-817.7	-2678.9	-2553.9	-7389.4
c1mim-pf6-p1	-36.3	-34.1	-2126.7	-6512.6	-817.6	-2677.6	-1292.2	-3815.6	-817.7	-2678.0	-1292.4	-3817.2
c1mim-tos-p1	-42.9	-40.7	-2316.8	-7133.4	-817.8	-2678.1	-1477.8	-4433.6	-817.9	-2678.6	-1478.0	-4435.1
c1mpyr-bf4-p1	-32.8	-30.8	-1632.7	-5321.9	-773.4	-2788.9	-843.6	-2515.9	-773.4	-2789.2	-843.7	-2517.5
c1mpyr-bf4-p2	-30.2	-28.4	-1631.5	-5320.9	-773.5	-2789.0	-843.6	-2515.9	-773.6	-2789.3	-843.7	-2517.4
c1mpyr-cl-p1	-42.1	-39.4	-936.4	-3284.9	-774.2	-2790.0	-142.5	-472.5	-774.2	-2790.1	-142.6	-474.9
c1mpyr-cl-p2	-40.9	-38.3	-935.7	-3284.5	-774.1	-2790.1	-142.5	-472.5	-774.2	-2790.2	-142.6	-474.9
c1mpyr-dca-p1	-43.5	-42.2	-1444.3	-4709.1	-774.0	-2789.6	-649.0	-1897.3	-774.0	-2789.9	-649.1	-1898.3
c1mpyr-dca-p2	-47.6	-46.1	-1445.5	-4711.7	-773.8	-2789.3	-649.0	-1897.6	-773.8	-2789.6	-649.1	-1898.7
c1mpyr-dca-p3	-43.8	-42.4	-1442.3	-4711.0	-773.5	-2789.1	-648.9	-1898.0	-773.5	-2789.4	-648.9	-1899.1
c1mpyr-dca-p4	-45.9	-44.5	-1444.4	-4710.7	-773.5	-2789.1	-649.0	-1897.6	-773.5	-2789.4	-649.1	-1898.7

2.2.15 CC(D+d) basis set

Table S 16: Raw CC(D+d) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-34.2	-14.5	-1294.2	-3566.1	-669.7	-1957.2	-611.2	-1588.1	-670.4	-1959.2	-616.7	-1599.5
clmim-br-p1	-36.4	-22.0	-789.0	-2224.7	-672.0	-1967.2	-101.1	-237.0	-672.5	-1968.5	-104.4	-246.3
clmim-br-p2	-23.8	-13.3	-784.6	-2216.9	-671.8	-1967.9	-101.1	-237.0	-672.0	-1968.4	-103.5	-244.3
clmim-cl-p1	-33.1	-15.9	-783.6	-2248.1	-671.8	-1966.8	-98.1	-261.8	-672.3	-1968.1	-102.3	-273.1
clmim-cl-p2	-25.3	-12.1	-782.1	-2243.7	-672.0	-1968.5	-98.1	-261.8	-672.2	-1969.0	-101.2	-271.2
clmim-dca-p1	-55.0	-40.7	-1228.7	-3362.6	-670.1	-1958.6	-533.7	-1373.9	-671.2	-1961.2	-537.1	-1381.2
clmim-dca-p2	-41.8	-30.9	-1223.5	-3356.2	-670.3	-1960.1	-533.4	-1374.0	-670.8	-1961.4	-536.1	-1380.5
clmim-mes-p1	-43.6	-18.9	-1295.0	-3602.4	-670.1	-1958.0	-605.6	-1620.3	-670.9	-1960.1	-612.8	-1634.7
clmim-ntf2-p1	-68.7	-44.4	-2610.7	-6845.7	-669.7	-1957.4	-1911.4	-4849.2	-670.6	-1959.9	-1918.4	-4863.0
clmim-ntf2-p2	-42.3	-25.7	-2600.4	-6829.8	-670.1	-1959.7	-1910.7	-4847.4	-670.5	-1960.8	-1915.5	-4857.6
clmim-ntf2-p3	-40.7	-20.8	-2599.9	-6828.5	-669.8	-1958.4	-1911.3	-4848.3	-670.4	-1960.1	-1917.2	-4860.0
clmim-pf6-p1	-37.0	-16.0	-1604.1	-4366.9	-669.7	-1957.3	-919.8	-2387.2	-670.2	-1959.0	-926.1	-2399.7
clmim-tos-p1	-39.6	-16.8	-1859.1	-5084.1	-669.8	-1957.8	-1171.4	-3104.6	-670.6	-1959.9	-1178.0	-3117.8
clmpyr-bf4-p1	-36.4	-16.7	-1257.3	-3662.4	-631.2	-2054.5	-610.9	-1586.7	-631.5	-2055.5	-616.7	-1599.2
clmpyr-bf4-p2	-33.4	-15.9	-1256.2	-3660.8	-631.3	-2054.7	-610.9	-1586.7	-631.7	-2055.6	-616.1	-1597.9
clmpyr-br-p1	-39.3	-26.6	-750.6	-2314.4	-631.8	-2055.8	-101.1	-237.0	-632.0	-2056.3	-104.3	-245.9
clmpyr-br-p2	-37.5	-25.5	-749.8	-2313.7	-631.8	-2056.1	-101.1	-237.0	-632.0	-2056.5	-104.0	-245.4
clmpyr-cl-p1	-37.3	-22.4	-746.1	-2338.8	-631.8	-2055.9	-98.1	-261.8	-632.0	-2056.3	-101.9	-272.3
clmpyr-cl-p2	-36.3	-22.1	-745.7	-2338.5	-631.8	-2056.1	-98.1	-261.8	-632.0	-2056.5	-101.6	-271.9
clmpyr-dca-p1	-39.5	-28.4	-1177.7	-3433.1	-631.7	-2055.4	-527.0	-1357.2	-632.1	-2056.4	-530.1	-1363.7
clmpyr-dca-p2	-43.6	-31.9	-1178.9	-3435.8	-631.5	-2055.0	-527.0	-1357.6	-632.0	-2056.2	-530.2	-1364.3
clmpyr-dca-p3	-40.3	-29.3	-1175.9	-3435.9	-631.3	-2054.8	-527.1	-1358.4	-631.7	-2055.9	-529.9	-1365.2
clmpyr-dca-p4	-41.9	-30.8	-1177.9	-3434.6	-631.3	-2054.8	-527.0	-1357.6	-631.7	-2056.0	-530.1	-1363.9
clmpyr-mes-p1	-43.3	-19.5	-1256.9	-3700.1	-631.2	-2055.0	-605.7	-1621.9	-631.6	-2056.1	-613.1	-1636.8
clmpyr-mes-p2	-38.9	-18.0	-1255.3	-3698.1	-631.4	-2055.5	-605.7	-1621.9	-631.8	-2056.5	-612.0	-1635.1
clmpyr-ntf2-p1	-52.6	-33.4	-2564.6	-6933.6	-631.5	-2054.5	-1910.4	-4849.2	-631.9	-2055.5	-1916.3	-4861.0
clmpyr-ntf2-p2	-40.7	-22.4	-2559.7	-6925.3	-631.2	-2054.3	-1910.4	-4848.4	-631.6	-2055.2	-1916.1	-4859.7
clmpyr-ntf2-p3	-51.2	-32.6	-2564.1	-6932.5	-631.4	-2054.8	-1910.3	-4849.0	-631.8	-2055.7	-1916.1	-4860.4
clmpyr-ntf2-p5	-42.3	-23.1	-2560.5	-6926.2	-631.4	-2054.5	-1910.4	-4848.2	-631.8	-2055.5	-1916.3	-4860.1
clmpyr-pf6-p1	-37.7	-17.2	-1566.7	-4464.0	-631.2	-2054.4	-919.9	-2387.5	-631.5	-2055.2	-926.3	-2400.6
clmpyr-pf6-p2	-35.1	-16.2	-1565.7	-4462.7	-631.3	-2054.6	-919.9	-2387.7	-631.5	-2055.2	-925.8	-2399.7
clmpyr-tos-p1	-39.2	-16.6	-1820.7	-5181.2	-631.2	-2055.0	-1170.8	-3105.6	-631.6	-2056.1	-1177.9	-3119.7
clmpyr-tos-p2	-34.3	-14.4	-1818.4	-5178.7	-631.3	-2055.1	-1170.8	-3105.6	-631.7	-2056.0	-1177.0	-3117.9

c2mim-bf4-p1	-36.3	-14.9	-1385.3	-3855.9	-759.7	-2246.0	-611.2	-1588.1	-760.4	-2248.0	-617.3	-1600.7
c2mim-bf4-p2	-33.9	-14.4	-1383.8	-3854.0	-759.2	-2245.3	-611.2	-1588.1	-759.9	-2247.2	-616.7	-1599.5
c2mim-br-p1	-37.3	-22.4	-879.0	-2513.8	-761.6	-2255.8	-101.1	-237.0	-762.1	-2257.0	-104.6	-246.7
c2mim-br-p2	-27.6	-15.5	-876.9	-2509.3	-762.4	-2258.1	-101.1	-237.0	-762.7	-2258.8	-103.9	-245.3
c2mim-br-p3	-27.3	-15.4	-876.1	-2508.4	-761.8	-2257.3	-101.1	-237.0	-762.0	-2257.9	-104.0	-245.2
c2mim-br-p4	-37.7	-23.1	-879.6	-2514.8	-762.0	-2256.6	-101.1	-237.0	-762.5	-2257.9	-104.5	-246.4
c2mim-cl-p1	-34.3	-16.3	-873.8	-2537.6	-761.5	-2255.6	-98.1	-261.8	-762.0	-2256.8	-102.5	-273.8
c2mim-cl-p2	-28.2	-13.4	-873.9	-2535.6	-762.6	-2258.8	-98.1	-261.8	-762.9	-2259.4	-101.7	-272.2
c2mim-cl-p3	-28.0	-13.2	-873.2	-2534.7	-762.0	-2257.9	-98.1	-261.8	-762.2	-2258.5	-101.8	-272.2
c2mim-cl-p4	-34.1	-16.6	-873.9	-2538.0	-761.8	-2256.1	-98.1	-261.8	-762.3	-2257.4	-102.4	-273.2
c2mim-dca-p1	-57.0	-42.9	-1319.0	-3652.2	-759.6	-2246.6	-533.6	-1374.3	-760.6	-2249.1	-537.0	-1381.5
c2mim-dca-p2	-53.7	-39.8	-1317.9	-3650.0	-759.8	-2246.6	-533.6	-1374.1	-760.7	-2249.1	-537.1	-1381.2
c2mim-dca-p3	-57.5	-42.9	-1319.9	-3652.4	-760.0	-2246.8	-533.8	-1374.1	-761.0	-2249.3	-537.4	-1381.8
c2mim-dca-p4	-54.2	-40.8	-1318.0	-3650.2	-759.7	-2246.6	-533.7	-1374.1	-760.6	-2249.0	-536.9	-1380.9
c2mim-dca-p5	-55.4	-41.0	-1318.5	-3651.0	-759.7	-2246.7	-533.8	-1373.9	-760.7	-2249.3	-537.1	-1381.3
c2mim-dca-p6	-55.5	-41.3	-1318.1	-3651.0	-759.6	-2246.2	-533.8	-1374.1	-760.6	-2248.8	-537.1	-1381.2
c2mim-mes-p1	-49.0	-22.5	-1387.7	-3894.3	-760.3	-2247.1	-605.5	-1620.1	-761.1	-2249.2	-613.4	-1635.8
c2mim-mes-p2	-44.7	-19.6	-1384.9	-3891.2	-759.6	-2246.0	-605.6	-1620.3	-760.4	-2248.0	-613.0	-1635.1
c2mim-ntf2-p1	-74.9	-48.0	-2703.5	-7137.9	-759.7	-2246.2	-1911.4	-4849.1	-760.7	-2248.7	-1919.3	-4864.6
c2mim-ntf2-p2	-53.4	-32.0	-2695.2	-7125.8	-760.1	-2248.2	-1911.1	-4848.4	-760.6	-2249.6	-1917.4	-4861.4
c2mim-ntf2-p3	-44.6	-22.7	-2691.6	-7119.0	-759.6	-2246.9	-1911.3	-4848.2	-760.2	-2248.5	-1917.8	-4861.3
c2mim-ntf2-p4	-65.4	-41.4	-2699.7	-7132.6	-759.6	-2246.1	-1911.7	-4849.5	-760.5	-2248.4	-1918.6	-4863.4
c2mim-pf6-p1	-41.4	-17.3	-1695.9	-4657.9	-759.6	-2245.9	-919.8	-2387.2	-760.2	-2247.7	-927.1	-2401.6
c2mim-pf6-p2	-37.4	-16.3	-1693.7	-4655.2	-759.2	-2245.3	-919.8	-2387.2	-759.8	-2246.9	-926.1	-2399.8
c2mim-tos-p1	-46.8	-20.8	-1952.6	-5376.9	-760.2	-2246.9	-1171.3	-3104.4	-761.0	-2249.2	-1179.0	-3119.5
c2mim-tos-p2	-41.5	-17.5	-1949.7	-5373.3	-759.6	-2246.0	-1171.3	-3104.5	-760.4	-2248.2	-1178.4	-3118.4
c2mpyr-bf4-p1	-37.2	-17.0	-1348.9	-3953.8	-722.5	-2345.4	-610.9	-1586.7	-722.9	-2346.5	-616.9	-1599.5
c2mpyr-bf4-p2	-35.3	-16.2	-1348.7	-3953.2	-723.0	-2345.9	-610.9	-1586.7	-723.4	-2347.0	-616.5	-1598.8
c2mpyr-bf4-p3	-34.3	-16.3	-1347.9	-3952.4	-722.6	-2345.7	-610.9	-1586.7	-723.0	-2346.6	-616.2	-1598.2
c2mpyr-br-p1	-40.2	-27.1	-842.3	-2605.8	-723.1	-2346.6	-101.1	-237.0	-723.4	-2347.2	-104.4	-246.1
c2mpyr-br-p2	-39.2	-26.4	-841.8	-2605.7	-723.0	-2347.2	-101.1	-237.0	-723.3	-2347.8	-104.3	-245.9
c2mpyr-br-p3	-38.3	-26.0	-841.4	-2604.9	-723.1	-2346.8	-101.1	-237.0	-723.3	-2347.3	-104.1	-245.6
c2mpyr-cl-p1	-37.9	-22.7	-837.7	-2630.1	-723.2	-2346.7	-98.1	-261.8	-723.4	-2347.2	-102.0	-272.5
c2mpyr-cl-p2	-37.1	-22.4	-837.1	-2629.9	-722.9	-2347.0	-98.1	-261.8	-723.1	-2347.5	-101.8	-272.2
c2mpyr-cl-p3	-36.6	-22.2	-837.1	-2629.6	-723.2	-2346.9	-98.1	-261.8	-723.4	-2347.4	-101.7	-272.0
c2mpyr-dca-p1	-39.8	-28.6	-1269.1	-3724.1	-723.0	-2346.2	-527.0	-1357.3	-723.5	-2347.3	-530.1	-1363.7
c2mpyr-dca-p2	-43.1	-31.3	-1270.2	-3726.2	-722.7	-2345.9	-527.1	-1357.7	-723.2	-2347.2	-530.3	-1364.3
c2mpyr-dca-p3	-44.1	-32.3	-1270.3	-3727.0	-722.7	-2345.8	-527.0	-1357.6	-723.3	-2347.1	-530.3	-1364.4
c2mpyr-mes-p1	-45.1	-20.3	-1348.9	-3992.1	-722.5	-2345.8	-605.7	-1621.9	-723.0	-2347.0	-613.4	-1637.3

c2mpyr-mes-p2	-41.7	-18.6	-1348.0	-3991.1	-723.2	-2346.4	-605.7	-1622.1	-723.6	-2347.5	-612.9	-1636.4
c2mpyr-mes-p3	-40.5	-18.7	-1347.2	-3990.0	-722.8	-2346.4	-605.7	-1621.9	-723.2	-2347.4	-612.4	-1635.6
c2mpyr-ntf2-p1	-53.4	-33.7	-2656.4	-7225.0	-722.8	-2345.3	-1910.5	-4849.4	-723.3	-2346.4	-1916.6	-4861.4
c2mpyr-ntf2-p2	-42.9	-23.7	-2652.1	-7217.5	-722.5	-2345.2	-1910.4	-4848.5	-722.9	-2346.2	-1916.4	-4860.5
c2mpyr-ntf2-p3	-53.5	-33.0	-2656.3	-7224.9	-722.6	-2345.4	-1910.4	-4849.2	-723.1	-2346.6	-1916.8	-4861.8
c2mpyr-ntf2-p4	-51.6	-32.8	-2655.5	-7224.0	-722.7	-2345.5	-1910.4	-4849.3	-723.1	-2346.5	-1916.3	-4860.9
c2mpyr-ntf2-p5	-44.1	-24.3	-2652.4	-7218.1	-722.4	-2345.2	-1910.4	-4848.4	-722.8	-2346.3	-1916.5	-4860.6
c2mpyr-ntf2-p6	-42.2	-23.1	-2651.9	-7217.3	-722.7	-2345.4	-1910.5	-4848.5	-723.1	-2346.4	-1916.4	-4860.3
c2mpyr-pf6-p1	-38.0	-17.4	-1658.4	-4755.2	-722.7	-2345.5	-919.9	-2387.6	-723.0	-2346.4	-926.3	-2400.6
c2mpyr-pf6-p2	-36.3	-16.5	-1657.8	-4754.4	-722.8	-2345.6	-919.9	-2387.7	-723.1	-2346.5	-926.0	-2400.1
c2mpyr-pf6-p3	-35.7	-16.5	-1657.3	-4754.0	-722.6	-2345.5	-919.9	-2387.6	-722.9	-2346.2	-925.9	-2399.9
c2mpyr-tos-p1	-41.2	-17.6	-1912.7	-5473.3	-722.5	-2345.8	-1170.9	-3105.7	-723.0	-2347.0	-1178.2	-3120.2
c2mpyr-tos-p2	-38.0	-15.9	-1911.8	-5472.3	-723.1	-2346.3	-1170.9	-3105.8	-723.6	-2347.5	-1177.7	-3119.3
c3mim-bf4-p1	-37.3	-15.1	-1474.4	-4144.3	-848.3	-2533.8	-611.2	-1588.1	-849.1	-2535.8	-617.5	-1601.2
c3mim-bf4-p2	-36.6	-15.4	-1473.9	-4143.7	-848.2	-2533.5	-611.2	-1588.1	-849.0	-2535.6	-617.2	-1600.5
c3mim-br-p1	-37.9	-22.6	-967.9	-2802.8	-850.3	-2544.5	-101.1	-237.0	-850.8	-2545.8	-104.6	-246.9
c3mim-br-p2	-28.1	-15.8	-965.5	-2798.0	-850.9	-2546.5	-101.1	-237.0	-851.2	-2547.2	-104.0	-245.4
c3mim-br-p3	-30.7	-17.5	-966.4	-2799.0	-850.6	-2546.0	-101.1	-237.0	-850.8	-2546.7	-104.3	-246.1
c3mim-br-p4	-39.3	-23.5	-968.5	-2803.9	-850.3	-2544.7	-101.1	-237.0	-850.9	-2546.0	-104.8	-247.2
c3mim-cl-p1	-34.7	-16.4	-962.6	-2826.4	-850.2	-2544.3	-98.1	-261.8	-850.7	-2545.5	-102.5	-273.9
c3mim-cl-p2	-28.5	-13.6	-962.5	-2824.2	-851.1	-2547.2	-98.1	-261.8	-851.4	-2547.8	-101.7	-272.3
c3mim-cl-p3	-30.5	-14.3	-963.0	-2824.8	-850.8	-2546.6	-98.1	-261.8	-851.0	-2547.2	-102.2	-273.1
c3mim-cl-p4	-35.6	-16.8	-962.8	-2827.1	-850.1	-2544.3	-98.1	-261.8	-850.7	-2545.6	-102.8	-274.1
c3mim-dca-p1	-58.0	-43.6	-1408.0	-3940.5	-848.2	-2534.3	-533.6	-1374.4	-849.2	-2536.8	-537.1	-1381.7
c3mim-dca-p2	-58.8	-44.1	-1408.7	-3941.3	-848.6	-2534.8	-533.7	-1374.2	-849.7	-2537.5	-537.2	-1381.5
c3mim-dca-p3	-51.5	-37.9	-1405.9	-3937.7	-848.7	-2535.7	-533.5	-1374.3	-849.4	-2537.5	-536.8	-1382.0
c3mim-dca-p4	-60.4	-44.9	-1409.6	-3941.3	-848.4	-2534.4	-533.7	-1374.0	-849.4	-2537.0	-537.5	-1382.0
c3mim-dca-p5	-56.6	-42.4	-1406.7	-3939.0	-847.8	-2533.7	-533.6	-1374.1	-848.9	-2536.3	-537.0	-1381.2
c3mim-dca-p6	-55.6	-41.4	-1406.4	-3938.6	-847.9	-2533.6	-533.8	-1374.1	-848.9	-2536.3	-537.1	-1381.3
c3mim-mes-p1	-51.8	-23.7	-1477.7	-4183.8	-849.0	-2535.1	-605.5	-1620.2	-849.8	-2537.2	-613.9	-1636.9
c3mim-mes-p2	-45.3	-20.0	-1473.5	-4179.2	-848.0	-2533.5	-605.6	-1620.3	-848.8	-2535.6	-613.1	-1635.3
c3mim-ntf2-p1	-78.4	-50.0	-2793.7	-7427.7	-848.3	-2534.0	-1911.4	-4849.2	-849.4	-2536.6	-1919.8	-4865.6
c3mim-ntf2-p2	-57.6	-34.4	-2785.7	-7415.8	-848.6	-2535.8	-1911.1	-4848.3	-849.2	-2537.3	-1918.1	-4862.6
c3mim-ntf2-p3	-46.6	-23.7	-2781.1	-7407.9	-848.2	-2534.6	-1911.3	-4848.2	-848.8	-2536.4	-1918.1	-4861.9
c3mim-ntf2-p4	-66.4	-42.8	-2788.1	-7420.8	-847.9	-2533.3	-1911.7	-4849.6	-848.8	-2535.6	-1918.5	-4863.2
c3mim-pf6-p1	-41.8	-18.6	-1784.3	-4945.7	-848.0	-2533.5	-919.7	-2387.0	-848.7	-2535.2	-926.7	-2400.9
c3mim-pf6-p2	-37.4	-16.4	-1782.2	-4942.8	-847.7	-2532.8	-919.8	-2387.2	-848.2	-2534.5	-926.1	-2399.8
c3mim-tos-p1	-50.0	-22.4	-2042.8	-5666.6	-848.8	-2534.9	-1171.3	-3104.4	-849.7	-2537.2	-1179.5	-3120.5
c3mim-tos-p2	-47.2	-21.2	-2040.9	-5664.3	-848.3	-2533.8	-1171.3	-3104.6	-849.1	-2536.1	-1179.0	-3119.7

c3mpyr-bf4-p1	-37.7	-17.1	-1437.8	-4242.9	-811.2	-2634.2	-610.9	-1586.7	-811.7	-2635.3	-617.0	-1599.7
c3mpyr-bf4-p2	-35.7	-16.3	-1437.4	-4242.1	-811.6	-2634.5	-610.9	-1586.7	-812.0	-2635.6	-616.6	-1599.0
c3mpyr-bf4-p3	-34.7	-16.4	-1436.7	-4241.3	-811.3	-2634.4	-610.9	-1586.7	-811.7	-2635.4	-616.3	-1598.3
c3mpyr-br-p1	-41.0	-27.6	-931.4	-2895.0	-811.9	-2635.4	-101.1	-237.0	-812.1	-2635.9	-104.4	-246.3
c3mpyr-br-p2	-38.8	-26.2	-930.2	-2893.9	-811.7	-2635.5	-101.1	-237.0	-812.0	-2636.1	-104.2	-245.7
c3mpyr-br-p3	-39.0	-26.4	-930.3	-2894.1	-811.8	-2635.6	-101.1	-237.0	-812.0	-2636.1	-104.2	-245.7
c3mpyr-cl-p1	-38.4	-22.8	-926.5	-2919.2	-811.9	-2635.5	-98.1	-261.8	-812.1	-2636.0	-102.1	-272.7
c3mpyr-cl-p2	-37.4	-22.5	-926.0	-2918.8	-811.7	-2635.7	-98.1	-261.8	-811.9	-2636.2	-101.9	-272.3
c3mpyr-cl-p3	-37.0	-22.3	-925.9	-2918.6	-811.9	-2635.7	-98.1	-261.8	-812.1	-2636.2	-101.8	-272.1
c3mpyr-dca-p1	-41.2	-29.4	-1358.3	-4013.7	-811.5	-2634.6	-527.1	-1357.5	-811.9	-2635.8	-530.4	-1364.5
c3mpyr-dca-p2	-43.1	-31.3	-1358.8	-4014.9	-811.3	-2634.6	-527.1	-1357.7	-811.9	-2635.9	-530.3	-1364.3
c3mpyr-dca-p3	-39.6	-28.7	-1356.0	-4015.7	-811.5	-2634.6	-527.3	-1358.7	-811.9	-2635.8	-530.0	-1365.2
c3mpyr-dca-p4	-41.7	-30.6	-1358.1	-4014.5	-811.6	-2634.7	-527.0	-1357.6	-812.1	-2635.9	-530.0	-1363.9
c3mpyr-dca-p5	-44.1	-32.1	-1359.0	-4015.7	-811.4	-2634.6	-527.0	-1357.6	-812.0	-2635.9	-530.3	-1364.4
c3mpyr-mes-p1	-46.0	-20.7	-1437.9	-4281.5	-811.2	-2634.5	-605.7	-1621.9	-811.7	-2635.7	-613.6	-1637.6
c3mpyr-mes-p2	-42.2	-18.8	-1436.8	-4280.0	-811.8	-2635.1	-605.7	-1622.1	-812.3	-2636.2	-613.0	-1636.6
c3mpyr-mes-p3	-41.4	-19.0	-1436.3	-4279.4	-811.4	-2635.1	-605.7	-1621.9	-811.9	-2636.2	-612.5	-1635.9
c3mpyr-ntf2-p1	-55.9	-34.9	-2746.2	-7515.4	-811.6	-2634.3	-1910.4	-4849.4	-812.1	-2635.5	-1916.9	-4862.3
c3mpyr-ntf2-p2	-41.5	-23.4	-2740.5	-7505.1	-811.3	-2634.1	-1910.4	-4848.4	-811.7	-2635.0	-1915.9	-4859.6
c3mpyr-ntf2-p3	-53.5	-33.2	-2745.0	-7513.6	-811.2	-2634.1	-1910.5	-4849.3	-811.7	-2635.2	-1916.8	-4861.8
c3mpyr-ntf2-p4	-53.8	-33.9	-2745.2	-7513.8	-811.4	-2634.3	-1910.4	-4849.2	-811.8	-2635.3	-1916.6	-4861.5
c3mpyr-ntf2-p5	-44.3	-24.4	-2741.1	-7506.9	-811.1	-2633.9	-1910.4	-4848.3	-811.5	-2635.0	-1916.5	-4860.6
c3mpyr-ntf2-p6	-44.2	-24.0	-2741.4	-7507.3	-811.4	-2634.2	-1910.5	-4848.4	-811.8	-2635.2	-1916.7	-4861.0
c3mpyr-pf6-p1	-39.2	-17.8	-1747.3	-5044.5	-811.1	-2634.0	-919.9	-2387.6	-811.5	-2634.9	-926.5	-2401.1
c3mpyr-pf6-p2	-36.3	-16.5	-1746.4	-5043.1	-811.4	-2634.3	-919.9	-2387.6	-811.8	-2635.1	-926.0	-2400.1
c3mpyr-pf6-p3	-36.2	-16.7	-1746.1	-5043.1	-811.3	-2634.2	-919.9	-2387.6	-811.6	-2635.0	-925.9	-2400.0
c3mpyr-tos-p1	-42.3	-18.1	-2001.8	-5762.7	-811.2	-2634.5	-1170.8	-3105.6	-811.7	-2635.8	-1178.4	-3120.5
c3mpyr-tos-p2	-38.5	-16.2	-2000.6	-5761.2	-811.8	-2635.0	-1170.8	-3105.7	-812.3	-2636.2	-1177.7	-3119.4
c4mim-bf4-p1	-37.9	-15.3	-1563.0	-4432.4	-936.7	-2821.5	-611.2	-1588.1	-937.5	-2823.6	-617.6	-1601.4
c4mim-bf4-p2	-36.8	-15.5	-1562.3	-4431.4	-936.5	-2821.0	-611.2	-1588.1	-937.3	-2823.1	-617.2	-1600.6
c4mim-br-p1	-38.6	-23.1	-1056.7	-3091.9	-938.7	-2833.1	-101.1	-237.0	-939.3	-2834.4	-104.7	-247.1
c4mim-br-p2	-29.0	-16.3	-1054.4	-3087.1	-939.4	-2835.1	-101.1	-237.0	-939.7	-2835.8	-104.1	-245.7
c4mim-br-p3	-32.1	-18.4	-1055.5	-3088.4	-939.1	-2834.6	-101.1	-237.0	-939.3	-2835.3	-104.5	-246.4
c4mim-br-p4	-39.8	-23.8	-1057.0	-3092.6	-938.7	-2833.0	-101.1	-237.0	-939.2	-2834.3	-104.9	-247.3
c4mim-cl-p1	-35.3	-16.8	-1051.3	-3115.3	-938.6	-2832.9	-98.1	-261.8	-939.1	-2834.1	-102.6	-274.0
c4mim-cl-p2	-29.1	-13.8	-1051.2	-3113.2	-939.6	-2835.7	-98.1	-261.8	-939.9	-2836.4	-101.8	-272.5
c4mim-cl-p3	-31.5	-14.8	-1051.8	-3113.9	-939.2	-2835.1	-98.1	-261.8	-939.5	-2835.7	-102.3	-273.4
c4mim-cl-p4	-36.0	-17.0	-1051.3	-3115.7	-938.5	-2832.6	-98.1	-261.8	-939.0	-2833.9	-102.8	-274.3
c4mim-dca-p1	-58.7	-44.1	-1496.8	-4228.6	-936.6	-2822.0	-533.6	-1374.4	-937.7	-2824.6	-537.1	-1381.8

c4mim-dca-p2	-61.8	-46.0	-1498.7	-4229.9	-936.8	-2822.2	-533.7	-1374.1	-937.9	-2824.8	-537.6	-1382.3
c4mim-dca-p3	-56.9	-42.6	-1495.2	-4226.9	-936.2	-2821.2	-533.6	-1374.1	-937.2	-2823.9	-537.0	-1381.3
c4mim-mes-p1	-53.0	-24.4	-1566.7	-4472.2	-937.4	-2822.8	-605.5	-1620.2	-938.3	-2824.9	-614.0	-1637.2
c4mim-mes-p2	-45.4	-20.0	-1561.9	-4466.8	-936.3	-2821.0	-605.6	-1620.4	-937.1	-2823.1	-613.1	-1635.4
c4mim-pf6-p1	-44.2	-18.4	-1874.3	-5235.2	-936.7	-2821.6	-919.8	-2387.2	-937.3	-2823.4	-927.6	-2402.7
c4mim-pf6-p2	-37.5	-16.4	-1870.5	-5230.4	-936.0	-2820.4	-919.8	-2387.2	-936.6	-2822.0	-926.1	-2399.8
c4mim-tos-p1	-52.1	-23.8	-2132.2	-5955.6	-937.3	-2822.7	-1171.3	-3104.4	-938.3	-2825.1	-1179.7	-3121.0
c4mim-tos-p2	-48.2	-22.4	-2130.3	-5952.9	-937.1	-2822.1	-1171.3	-3104.4	-938.1	-2824.5	-1178.9	-3119.3
c4mpyr-bf4-p1	-37.8	-17.1	-1526.2	-4531.1	-899.6	-2922.3	-610.9	-1586.7	-900.0	-2923.4	-617.0	-1599.8
c4mpyr-bf4-p2	-35.8	-16.4	-1525.7	-4530.4	-899.9	-2922.7	-610.9	-1586.7	-900.4	-2923.8	-616.6	-1599.0
c4mpyr-bf4-p3	-34.9	-16.5	-1525.2	-4529.7	-899.7	-2922.6	-610.9	-1586.7	-900.1	-2923.6	-616.3	-1598.4
c4mpyr-br-p1	-41.2	-27.7	-1019.8	-3183.3	-900.2	-2923.5	-101.1	-237.0	-900.5	-2924.1	-104.5	-246.3
c4mpyr-br-p2	-39.0	-26.3	-1018.6	-3182.3	-900.1	-2923.7	-101.1	-237.0	-900.3	-2924.2	-104.3	-245.7
c4mpyr-br-p3	-39.2	-26.5	-1018.8	-3182.4	-900.2	-2923.7	-101.1	-237.0	-900.4	-2924.2	-104.2	-245.8
c4mpyr-cl-p1	-38.4	-22.8	-1014.9	-3207.3	-900.2	-2923.6	-98.1	-261.8	-900.5	-2924.1	-102.1	-272.7
c4mpyr-cl-p2	-38.0	-22.8	-1014.5	-3207.4	-900.0	-2924.0	-98.1	-261.8	-900.3	-2924.5	-101.9	-272.5
c4mpyr-cl-p3	-36.9	-22.2	-1014.2	-3206.7	-900.2	-2923.8	-98.1	-261.8	-900.4	-2924.3	-101.8	-272.1
c4mpyr-dca-p1	-41.3	-30.6	-1445.7	-4302.6	-899.8	-2922.4	-527.0	-1357.8	-900.3	-2923.7	-529.9	-1363.8
c4mpyr-dca-p2	-43.2	-31.4	-1447.2	-4303.2	-899.7	-2922.8	-527.1	-1357.7	-900.3	-2924.1	-530.3	-1364.4
c4mpyr-dca-p3	-41.9	-29.8	-1446.7	-4302.2	-899.8	-2922.7	-527.1	-1357.5	-900.2	-2923.8	-530.5	-1364.6
c4mpyr-dca-p4	-42.8	-31.4	-1446.7	-4303.3	-899.7	-2922.7	-527.0	-1357.7	-900.3	-2924.0	-530.1	-1364.0
c4mpyr-dca-p5	-44.2	-32.3	-1447.4	-4304.0	-899.8	-2922.7	-527.0	-1357.7	-900.3	-2924.0	-530.3	-1364.5
c4mpyr-mes-p1	-46.1	-20.8	-1526.2	-4569.7	-899.6	-2922.7	-605.7	-1621.9	-900.1	-2923.8	-613.6	-1637.6
c4mpyr-mes-p2	-42.6	-19.1	-1525.3	-4568.5	-900.2	-2923.3	-605.7	-1622.1	-900.7	-2924.4	-613.0	-1636.6
c4mpyr-mes-p3	-41.7	-19.2	-1524.7	-4567.7	-899.8	-2923.3	-605.7	-1621.9	-900.3	-2924.4	-612.6	-1636.0
c4mpyr-ntf2-p1	-56.0	-35.1	-2834.6	-7803.4	-899.9	-2922.4	-1910.4	-4849.3	-900.4	-2923.6	-1916.9	-4862.0
c4mpyr-ntf2-p2	-47.0	-26.4	-2830.8	-7796.3	-899.6	-2922.1	-1910.3	-4848.1	-900.0	-2923.2	-1916.7	-4860.7
c4mpyr-ntf2-p3	-54.7	-33.9	-2833.9	-7802.5	-899.6	-2922.4	-1910.5	-4849.3	-900.1	-2923.5	-1916.9	-4862.1
c4mpyr-ntf2-p4	-54.8	-34.6	-2834.0	-7802.6	-899.7	-2922.4	-1910.4	-4849.3	-900.2	-2923.5	-1916.7	-4861.7
c4mpyr-ntf2-p5	-44.7	-24.8	-2829.6	-7795.3	-899.4	-2922.1	-1910.4	-4848.3	-899.8	-2923.2	-1916.5	-4860.6
c4mpyr-ntf2-p6	-45.4	-24.9	-2830.3	-7796.1	-899.8	-2922.4	-1910.5	-4848.4	-900.2	-2923.4	-1916.8	-4861.1
c4mpyr-pf6-p1	-39.3	-17.8	-1835.7	-5332.8	-899.5	-2922.2	-919.9	-2387.6	-899.9	-2923.1	-926.6	-2401.2
c4mpyr-pf6-p2	-36.6	-16.7	-1834.9	-5331.5	-899.8	-2922.5	-919.9	-2387.6	-900.2	-2923.3	-926.0	-2400.2
c4mpyr-pf6-p3	-36.4	-16.7	-1834.6	-5331.4	-899.7	-2922.4	-919.9	-2387.6	-900.0	-2923.2	-926.0	-2400.1
c4mpyr-tos-p1	-42.6	-18.3	-2090.3	-6051.1	-899.6	-2922.7	-1170.8	-3105.7	-900.1	-2924.0	-1178.4	-3120.6
c4mpyr-tos-p2	-39.1	-16.7	-2089.4	-6049.9	-900.2	-2923.2	-1170.9	-3105.8	-900.7	-2924.4	-1177.9	-3119.6

2.2.16 ACC(D+d) basis set

Table S 17: Raw ACC(D+d) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-38.5	-26.5	-1384.3	-3793.0	-695.3	-2030.6	-673.1	-1739.7	-696.3	-2034.6	-674.5	-1745.4
clmim-br-p1	-54.2	-35.8	-835.8	-2344.6	-697.8	-2040.6	-114.2	-273.7	-698.2	-2042.4	-118.4	-285.6
clmim-br-p2	-33.6	-18.5	-827.9	-2332.9	-697.7	-2041.6	-114.2	-273.7	-698.0	-2042.6	-117.7	-284.0
clmim-cl-p1	-40.7	-29.1	-832.4	-2373.8	-697.6	-2040.3	-116.6	-311.0	-698.1	-2042.2	-118.2	-318.6
clmim-cl-p2	-24.9	-15.8	-827.7	-2365.1	-698.0	-2042.3	-116.6	-311.0	-698.3	-2043.3	-117.9	-317.5
clmim-dca-p1	-69.1	-54.0	-1284.4	-3514.3	-695.9	-2032.2	-558.5	-1443.1	-697.0	-2036.8	-560.3	-1450.5
clmim-dca-p2	-49.2	-36.5	-1276.5	-3504.1	-696.1	-2033.8	-558.2	-1443.2	-696.9	-2037.0	-559.9	-1450.3
clmim-mes-p1	-51.3	-35.3	-1382.8	-3819.3	-695.7	-2031.5	-664.3	-1759.2	-696.9	-2036.0	-666.5	-1767.4
clmim-ntf2-p1	-87.3	-62.5	-2810.5	-7321.3	-695.3	-2030.8	-2079.1	-5239.2	-697.1	-2038.0	-2082.5	-5251.6
clmim-ntf2-p2	-48.6	-30.5	-2795.3	-7298.2	-695.9	-2033.4	-2078.3	-5237.4	-696.8	-2037.3	-2081.1	-5247.7
clmim-ntf2-p3	-53.7	-34.3	-2797.9	-7300.8	-695.5	-2031.9	-2079.1	-5238.4	-696.8	-2037.3	-2081.8	-5248.5
clmim-pf6-p1	-42.1	-28.8	-1740.7	-4689.6	-695.3	-2030.8	-1028.1	-2634.1	-696.3	-2034.8	-1029.7	-2640.6
clmim-tos-p1	-51.5	-34.1	-1966.7	-5357.1	-695.4	-2031.2	-1248.8	-3296.8	-696.8	-2036.3	-1251.1	-3305.5
clmpyr-bf4-p1	-37.1	-25.4	-1346.3	-3890.0	-657.7	-2131.0	-672.6	-1737.8	-658.5	-2134.4	-674.0	-1743.9
clmpyr-bf4-p2	-33.5	-22.9	-1344.8	-3888.2	-657.8	-2131.3	-672.6	-1737.8	-658.5	-2134.1	-673.9	-1743.6
clmpyr-br-p1	-53.9	-35.7	-796.3	-2436.2	-658.4	-2132.3	-114.2	-273.7	-658.7	-2133.6	-118.5	-286.0
clmpyr-br-p2	-50.3	-33.4	-794.9	-2434.4	-658.4	-2132.7	-114.2	-273.7	-658.7	-2133.7	-118.2	-285.2
clmpyr-cl-p1	-41.7	-30.9	-793.9	-2466.3	-658.4	-2132.4	-116.6	-311.0	-658.7	-2133.7	-118.1	-318.7
clmpyr-cl-p2	-39.5	-29.5	-793.1	-2465.2	-658.4	-2132.7	-116.6	-311.0	-658.7	-2133.8	-118.1	-318.2
clmpyr-dca-p1	-47.8	-36.0	-1231.6	-3584.5	-658.2	-2131.9	-551.7	-1426.4	-659.1	-2135.2	-553.2	-1432.7
clmpyr-dca-p2	-52.8	-39.5	-1232.9	-3588.1	-658.0	-2131.6	-551.7	-1426.8	-658.9	-2135.0	-553.5	-1434.1
clmpyr-dca-p3	-50.0	-37.1	-1230.5	-3588.3	-657.8	-2131.4	-551.9	-1427.8	-658.7	-2134.8	-553.6	-1434.7
clmpyr-dca-p4	-51.1	-37.8	-1231.9	-3586.9	-657.8	-2131.4	-551.7	-1426.8	-658.7	-2134.8	-553.5	-1434.0
clmpyr-mes-p1	-46.0	-30.2	-1343.2	-3917.5	-657.7	-2131.5	-664.5	-1760.9	-658.7	-2135.2	-666.8	-1769.8
clmpyr-mes-p2	-39.7	-25.4	-1340.8	-3914.4	-658.0	-2132.1	-664.5	-1760.9	-658.7	-2135.1	-666.6	-1769.2
clmpyr-ntf2-p1	-61.5	-41.6	-2760.9	-7406.3	-658.0	-2131.0	-2077.7	-5239.0	-659.2	-2135.8	-2080.8	-5249.8
clmpyr-ntf2-p2	-48.9	-30.9	-2755.9	-7397.4	-657.7	-2130.8	-2077.7	-5238.1	-658.9	-2135.2	-2080.4	-5247.9
clmpyr-ntf2-p3	-59.0	-39.8	-2759.9	-7404.7	-658.0	-2131.3	-2077.6	-5238.7	-659.1	-2135.7	-2080.6	-5249.4
clmpyr-ntf2-p5	-49.5	-31.9	-2756.4	-7397.5	-657.9	-2131.1	-2077.6	-5237.8	-659.0	-2135.2	-2080.3	-5247.5
clmpyr-pf6-p1	-38.7	-26.0	-1702.3	-4787.8	-657.7	-2131.0	-1028.2	-2634.5	-658.5	-2134.2	-1030.0	-2641.4
clmpyr-pf6-p2	-35.1	-23.5	-1700.9	-4786.1	-657.8	-2131.1	-1028.2	-2634.7	-658.5	-2133.9	-1029.9	-2641.1
clmpyr-tos-p1	-45.7	-28.5	-1926.9	-5454.9	-657.7	-2131.5	-1248.6	-3298.3	-658.8	-2135.7	-1251.1	-3307.7
clmpyr-tos-p2	-39.4	-24.1	-1924.0	-5451.7	-657.9	-2131.7	-1248.5	-3298.3	-658.7	-2135.2	-1250.8	-3306.9

c2mim-bf4-p1	-41.1	-27.9	-1479.3	-4094.3	-789.1	-2330.7	-673.1	-1739.7	-790.2	-2334.9	-674.6	-1746.0
c2mim-bf4-p2	-38.4	-26.0	-1477.6	-4092.4	-788.7	-2330.1	-673.1	-1739.7	-789.8	-2334.2	-674.5	-1745.6
c2mim-br-p1	-56.2	-36.8	-930.0	-2645.9	-791.2	-2340.6	-114.2	-273.7	-791.7	-2342.3	-118.7	-286.4
c2mim-br-p2	-39.2	-22.0	-924.7	-2637.9	-792.3	-2343.3	-114.2	-273.7	-792.6	-2344.4	-118.2	-285.4
c2mim-br-p3	-39.0	-22.5	-924.0	-2636.7	-791.6	-2342.4	-114.2	-273.7	-791.9	-2343.5	-118.1	-284.8
c2mim-br-p4	-56.3	-37.2	-930.6	-2646.7	-791.7	-2341.4	-114.2	-273.7	-792.2	-2343.2	-118.6	-286.0
c2mim-cl-p1	-42.6	-30.5	-926.7	-2675.1	-791.2	-2340.5	-116.6	-311.0	-791.7	-2342.3	-118.3	-319.1
c2mim-cl-p2	-28.6	-18.4	-923.7	-2669.0	-792.5	-2344.0	-116.6	-311.0	-792.8	-2345.1	-118.1	-318.3
c2mim-cl-p3	-28.9	-19.2	-923.1	-2668.3	-791.8	-2343.0	-116.6	-311.0	-792.1	-2344.1	-118.0	-318.0
c2mim-cl-p4	-42.2	-30.2	-926.8	-2675.5	-791.5	-2341.0	-116.6	-311.0	-792.0	-2342.9	-118.2	-318.8
c2mim-dca-p1	-71.7	-55.1	-1378.4	-3815.7	-789.1	-2331.4	-558.4	-1443.5	-790.4	-2336.4	-560.4	-1451.8
c2mim-dca-p2	-67.0	-51.6	-1376.9	-3812.5	-789.3	-2331.4	-558.5	-1443.3	-790.4	-2335.9	-560.3	-1451.1
c2mim-dca-p3	-71.7	-55.5	-1379.3	-3815.7	-789.7	-2331.8	-558.6	-1443.2	-790.9	-2336.6	-560.5	-1451.4
c2mim-dca-p4	-68.3	-52.7	-1377.2	-3813.3	-789.2	-2331.3	-558.5	-1443.2	-790.4	-2336.1	-560.3	-1451.0
c2mim-dca-p5	-70.1	-54.2	-1378.0	-3814.4	-789.2	-2331.5	-558.6	-1443.1	-790.5	-2336.4	-560.4	-1451.0
c2mim-dca-p6	-70.3	-54.6	-1377.7	-3814.4	-789.0	-2330.9	-558.6	-1443.2	-790.3	-2335.9	-560.4	-1450.9
c2mim-mes-p1	-57.8	-40.0	-1479.7	-4123.2	-789.9	-2331.9	-664.3	-1759.0	-791.1	-2336.7	-666.7	-1768.4
c2mim-mes-p2	-52.8	-35.9	-1476.5	-4119.6	-789.1	-2330.7	-664.4	-1759.2	-790.3	-2335.5	-666.6	-1767.9
c2mim-ntf2-p1	-96.3	-67.9	-2907.9	-7626.6	-789.2	-2330.9	-2079.1	-5239.2	-791.2	-2338.7	-2083.1	-5253.6
c2mim-ntf2-p2	-61.5	-39.9	-2894.6	-7606.7	-789.7	-2333.1	-2078.6	-5238.4	-790.8	-2338.0	-2082.0	-5250.6
c2mim-ntf2-p3	-58.1	-36.9	-2893.4	-7602.9	-789.1	-2331.7	-2079.1	-5238.3	-790.5	-2337.3	-2082.1	-5249.6
c2mim-ntf2-p4	-84.2	-59.2	-2903.5	-7619.7	-789.2	-2331.0	-2079.3	-5239.4	-791.0	-2338.0	-2082.8	-5252.1
c2mim-pf6-p1	-46.8	-31.8	-1836.5	-4992.1	-789.0	-2330.7	-1028.0	-2634.1	-790.2	-2335.1	-1030.0	-2641.6
c2mim-pf6-p2	-43.1	-29.1	-1834.3	-4989.6	-788.7	-2330.0	-1028.1	-2634.1	-789.8	-2334.3	-1029.8	-2640.9
c2mim-tos-p1	-59.7	-40.0	-2064.5	-5662.0	-789.7	-2331.7	-1248.8	-3296.6	-791.1	-2337.2	-1251.4	-3306.7
c2mim-tos-p2	-53.4	-34.8	-2061.0	-5657.8	-789.1	-2330.8	-1248.8	-3296.8	-790.4	-2336.2	-1251.3	-3306.1
c2mpyr-bf4-p1	-38.6	-26.0	-1442.5	-4194.6	-753.5	-2434.6	-672.6	-1737.8	-754.4	-2438.3	-674.1	-1744.3
c2mpyr-bf4-p2	-35.6	-24.2	-1441.8	-4193.3	-753.9	-2435.1	-672.6	-1737.9	-754.7	-2438.3	-674.0	-1743.9
c2mpyr-bf4-p3	-35.0	-23.6	-1441.1	-4192.8	-753.6	-2434.9	-672.6	-1737.8	-754.3	-2438.0	-674.0	-1743.9
c2mpyr-br-p1	-56.1	-36.8	-892.8	-2741.0	-754.1	-2435.8	-114.2	-273.7	-754.5	-2437.2	-118.7	-286.7
c2mpyr-br-p2	-53.9	-35.2	-891.9	-2740.4	-754.1	-2436.5	-114.2	-273.7	-754.4	-2437.7	-118.6	-286.5
c2mpyr-br-p3	-52.5	-34.4	-891.2	-2739.1	-754.0	-2436.0	-114.2	-273.7	-754.3	-2437.1	-118.4	-286.0
c2mpyr-cl-p1	-43.3	-31.7	-890.1	-2770.8	-754.2	-2435.8	-116.6	-311.0	-754.5	-2437.3	-118.3	-319.1
c2mpyr-cl-p2	-41.5	-30.6	-889.3	-2770.1	-753.9	-2436.3	-116.6	-311.0	-754.3	-2437.5	-118.2	-318.8
c2mpyr-cl-p3	-40.7	-30.0	-889.1	-2769.4	-754.2	-2436.1	-116.6	-311.0	-754.5	-2437.3	-118.1	-318.6
c2mpyr-dca-p1	-48.8	-36.2	-1327.5	-3888.7	-753.9	-2435.3	-551.7	-1426.4	-754.9	-2438.8	-553.3	-1433.1
c2mpyr-dca-p2	-53.1	-39.4	-1328.8	-3891.7	-753.6	-2435.1	-551.8	-1426.8	-754.5	-2438.7	-553.5	-1434.3
c2mpyr-dca-p3	-54.1	-40.0	-1328.9	-3892.4	-753.7	-2435.0	-551.7	-1426.8	-754.6	-2438.7	-553.6	-1434.4
c2mpyr-mes-p1	-48.7	-31.5	-1439.8	-4222.9	-753.5	-2435.1	-664.5	-1760.9	-754.6	-2439.2	-667.0	-1770.4

c2mpyr-mes-p2	-44.5	-28.7	-1438.5	-4221.2	-754.1	-2435.5	-664.6	-1761.0	-755.0	-2439.2	-666.8	-1769.9
c2mpyr-mes-p3	-42.5	-26.9	-1437.4	-4219.8	-753.7	-2435.6	-664.5	-1760.9	-754.6	-2439.1	-666.8	-1769.8
c2mpyr-ntf2-p1	-64.6	-43.0	-2857.8	-7711.8	-753.7	-2434.3	-2077.9	-5239.1	-755.1	-2439.7	-2081.1	-5250.7
c2mpyr-ntf2-p2	-52.4	-32.8	-2852.9	-7703.3	-753.4	-2434.3	-2077.8	-5238.3	-754.7	-2439.3	-2080.6	-5248.7
c2mpyr-ntf2-p3	-62.3	-41.6	-2856.9	-7710.4	-753.6	-2434.6	-2077.8	-5239.0	-754.8	-2439.5	-2081.0	-5250.4
c2mpyr-ntf2-p4	-60.8	-40.5	-2856.2	-7709.6	-753.6	-2434.6	-2077.8	-5239.0	-754.8	-2439.3	-2080.9	-5250.2
c2mpyr-ntf2-p5	-53.6	-34.4	-2853.3	-7703.6	-753.3	-2434.3	-2077.7	-5238.1	-754.5	-2439.0	-2080.5	-5248.6
c2mpyr-ntf2-p6	-50.3	-32.2	-2852.4	-7702.0	-753.6	-2434.6	-2077.8	-5238.2	-754.7	-2438.9	-2080.5	-5248.1
c2mpyr-pf6-p1	-39.9	-26.4	-1798.6	-5092.3	-753.6	-2434.7	-1028.2	-2634.5	-754.6	-2438.2	-1030.0	-2641.7
c2mpyr-pf6-p2	-37.3	-24.8	-1797.6	-5091.0	-753.7	-2434.7	-1028.2	-2634.6	-754.5	-2437.9	-1030.0	-2641.4
c2mpyr-pf6-p3	-36.7	-24.1	-1797.1	-5090.6	-753.5	-2434.6	-1028.2	-2634.6	-754.3	-2437.8	-1030.0	-2641.5
c2mpyr-tos-p1	-48.6	-30.0	-2023.6	-5760.4	-753.5	-2435.0	-1248.6	-3298.3	-754.7	-2439.7	-1251.3	-3308.4
c2mpyr-tos-p2	-44.5	-27.4	-2022.3	-5758.7	-754.1	-2435.4	-1248.6	-3298.4	-755.1	-2439.6	-1251.1	-3307.8
c3mim-bf4-p1	-42.4	-28.6	-1572.3	-4394.2	-881.6	-2629.7	-673.1	-1739.7	-882.7	-2634.1	-674.7	-1746.3
c3mim-bf4-p2	-41.4	-28.1	-1571.8	-4393.5	-881.5	-2629.5	-673.1	-1739.7	-882.6	-2633.8	-674.6	-1746.1
c3mim-br-p1	-57.6	-37.4	-1023.1	-2946.6	-883.8	-2640.5	-114.2	-273.7	-884.3	-2642.3	-118.9	-286.8
c3mim-br-p2	-40.3	-22.5	-1017.4	-2938.3	-884.6	-2643.0	-114.2	-273.7	-884.9	-2644.2	-118.3	-285.8
c3mim-br-p3	-44.5	-26.5	-1019.0	-2939.8	-884.3	-2642.3	-114.2	-273.7	-884.6	-2643.5	-118.5	-285.9
c3mim-br-p4	-59.2	-38.6	-1023.8	-2947.9	-883.9	-2640.8	-114.2	-273.7	-884.5	-2642.8	-118.9	-287.0
c3mim-cl-p1	-43.4	-30.9	-1019.5	-2975.4	-883.7	-2640.3	-116.6	-311.0	-884.2	-2642.2	-118.3	-319.3
c3mim-cl-p2	-29.2	-18.7	-1016.2	-2969.2	-884.9	-2643.7	-116.6	-311.0	-885.2	-2644.9	-118.1	-318.6
c3mim-cl-p3	-32.8	-22.3	-1017.4	-2970.4	-884.5	-2642.8	-116.6	-311.0	-884.8	-2644.0	-118.1	-318.5
c3mim-cl-p4	-44.1	-31.2	-1019.7	-2976.1	-883.7	-2640.4	-116.6	-311.0	-884.3	-2642.5	-118.3	-319.4
c3mim-dca-p1	-73.5	-56.1	-1471.5	-4115.7	-881.5	-2630.1	-558.4	-1443.5	-882.9	-2635.4	-560.5	-1452.3
c3mim-dca-p2	-74.7	-57.4	-1472.4	-4117.0	-882.0	-2630.8	-558.5	-1443.3	-883.3	-2636.1	-560.5	-1452.0
c3mim-dca-p3	-62.5	-46.7	-1467.8	-4110.4	-882.1	-2631.8	-558.3	-1443.5	-883.1	-2635.9	-560.4	-1452.1
c3mim-dca-p4	-75.9	-58.5	-1473.0	-4116.4	-881.7	-2630.2	-558.5	-1443.1	-883.0	-2635.4	-560.5	-1451.9
c3mim-dca-p5	-72.3	-55.6	-1470.3	-4114.2	-881.1	-2629.5	-558.4	-1443.2	-882.5	-2634.7	-560.3	-1451.3
c3mim-dca-p6	-70.9	-54.9	-1469.9	-4113.4	-881.2	-2629.4	-558.6	-1443.3	-882.5	-2634.4	-560.4	-1451.1
c3mim-mes-p1	-61.2	-42.0	-1573.8	-4424.5	-882.4	-2631.2	-664.3	-1759.1	-883.8	-2636.3	-666.9	-1769.2
c3mim-mes-p2	-53.9	-36.4	-1569.0	-4418.9	-881.3	-2629.2	-664.4	-1759.2	-882.5	-2634.1	-666.7	-1768.2
c3mim-ntf2-p1	-101.4	-71.0	-3002.4	-7928.8	-881.6	-2629.8	-2079.1	-5239.3	-883.8	-2638.3	-2083.4	-5254.8
c3mim-ntf2-p2	-67.3	-43.7	-2989.3	-7908.8	-882.0	-2631.8	-2078.6	-5238.4	-883.3	-2637.1	-2082.3	-5251.6
c3mim-ntf2-p3	-61.0	-38.4	-2986.9	-7903.5	-881.5	-2630.6	-2079.1	-5238.3	-883.0	-2636.5	-2082.3	-5250.3
c3mim-ntf2-p4	-86.4	-60.8	-2996.0	-7919.5	-881.2	-2629.1	-2079.3	-5239.5	-883.1	-2636.4	-2082.8	-5252.2
c3mim-pf6-p1	-48.6	-33.3	-1929.1	-5292.0	-881.4	-2629.4	-1028.0	-2633.8	-882.6	-2634.1	-1029.9	-2641.3
c3mim-pf6-p2	-43.5	-29.2	-1926.6	-5288.6	-880.9	-2628.6	-1028.1	-2634.1	-882.0	-2633.0	-1029.8	-2641.0
c3mim-tos-p1	-64.1	-42.7	-2158.8	-5963.8	-882.2	-2630.9	-1248.8	-3296.7	-883.8	-2636.9	-1251.7	-3307.6
c3mim-tos-p2	-60.9	-40.7	-2157.0	-5961.4	-881.8	-2630.1	-1248.8	-3296.8	-883.4	-2635.9	-1251.5	-3307.0

c3mpyr-bf4-p1	-39.6	-26.5	-1535.4	-4495.5	-846.1	-2734.8	-672.6	-1737.8	-847.1	-2738.7	-674.1	-1744.5
c3mpyr-bf4-p2	-36.2	-24.4	-1534.4	-4493.8	-846.4	-2735.2	-672.6	-1737.9	-847.2	-2738.5	-674.1	-1744.1
c3mpyr-bf4-p3	-36.0	-24.0	-1534.0	-4493.6	-846.1	-2735.1	-672.6	-1737.8	-847.0	-2738.4	-674.1	-1744.1
c3mpyr-br-p1	-57.9	-37.7	-986.1	-3042.4	-846.7	-2736.0	-114.2	-273.7	-847.1	-2737.5	-118.9	-287.3
c3mpyr-br-p2	-54.1	-35.2	-984.3	-3040.5	-846.6	-2736.3	-114.2	-273.7	-847.0	-2737.5	-118.6	-286.5
c3mpyr-br-p3	-54.1	-35.3	-984.4	-3040.4	-846.7	-2736.2	-114.2	-273.7	-847.0	-2737.5	-118.6	-286.5
c3mpyr-cl-p1	-44.4	-32.3	-983.1	-3071.8	-846.8	-2736.1	-116.6	-311.0	-847.2	-2737.6	-118.3	-319.4
c3mpyr-cl-p2	-42.3	-30.9	-982.1	-3070.8	-846.6	-2736.5	-116.6	-311.0	-846.9	-2737.8	-118.2	-319.0
c3mpyr-cl-p3	-41.6	-30.6	-982.0	-3070.3	-846.7	-2736.4	-116.6	-311.0	-847.1	-2737.6	-118.2	-318.9
c3mpyr-dca-p1	-51.3	-37.6	-1420.8	-4190.6	-846.3	-2735.3	-551.8	-1426.7	-847.3	-2739.0	-553.5	-1433.9
c3mpyr-dca-p2	-53.5	-39.4	-1421.4	-4192.2	-846.2	-2735.3	-551.8	-1426.8	-847.2	-2739.0	-553.6	-1434.4
c3mpyr-dca-p3	-49.5	-36.3	-1418.8	-4192.5	-846.3	-2735.3	-552.1	-1428.1	-847.2	-2738.8	-553.9	-1435.1
c3mpyr-dca-p4	-52.3	-38.4	-1420.8	-4191.8	-846.4	-2735.4	-551.7	-1426.7	-847.4	-2739.0	-553.5	-1434.2
c3mpyr-dca-p5	-54.5	-40.0	-1421.6	-4193.0	-846.3	-2735.3	-551.7	-1426.8	-847.3	-2739.1	-553.6	-1434.6
c3mpyr-mes-p1	-50.5	-32.5	-1532.9	-4524.3	-846.1	-2735.2	-664.5	-1760.9	-847.3	-2739.6	-667.0	-1770.8
c3mpyr-mes-p2	-45.4	-29.0	-1531.3	-4522.0	-846.7	-2735.7	-664.6	-1761.0	-847.7	-2739.6	-666.9	-1770.2
c3mpyr-mes-p3	-44.2	-27.9	-1530.6	-4521.2	-846.3	-2735.8	-664.5	-1760.9	-847.2	-2739.5	-666.9	-1770.2
c3mpyr-ntf2-p1	-67.5	-44.9	-2951.6	-8014.1	-846.4	-2734.9	-2077.8	-5239.1	-847.9	-2740.5	-2081.2	-5251.2
c3mpyr-ntf2-p2	-52.4	-32.9	-2945.7	-8003.3	-846.1	-2734.7	-2077.7	-5238.1	-847.4	-2739.7	-2080.5	-5248.6
c3mpyr-ntf2-p3	-63.2	-41.9	-2949.7	-8011.2	-846.1	-2734.7	-2077.8	-5239.1	-847.4	-2739.8	-2081.1	-5250.8
c3mpyr-ntf2-p4	-64.0	-42.5	-2950.0	-8011.6	-846.2	-2734.9	-2077.8	-5238.9	-847.5	-2740.0	-2081.0	-5250.7
c3mpyr-ntf2-p5	-54.2	-34.4	-2946.0	-8004.3	-845.9	-2734.6	-2077.6	-5238.0	-847.1	-2739.4	-2080.5	-5248.8
c3mpyr-ntf2-p6	-53.0	-33.8	-2946.0	-8003.9	-846.2	-2734.9	-2077.7	-5238.1	-847.4	-2739.5	-2080.6	-5248.6
c3mpyr-pf6-p1	-41.9	-27.5	-1891.6	-5393.7	-846.0	-2734.6	-1028.2	-2634.5	-847.0	-2738.4	-1030.2	-2642.2
c3mpyr-pf6-p2	-37.8	-24.8	-1890.2	-5391.5	-846.2	-2734.9	-1028.2	-2634.6	-847.1	-2738.2	-1030.0	-2641.6
c3mpyr-pf6-p3	-37.8	-24.7	-1890.0	-5391.6	-846.1	-2734.8	-1028.2	-2634.6	-846.9	-2738.2	-1030.1	-2641.8
c3mpyr-tos-p1	-50.6	-31.1	-2116.8	-6062.0	-846.1	-2735.2	-1248.5	-3298.3	-847.4	-2740.2	-1251.3	-3308.8
c3mpyr-tos-p2	-45.6	-27.7	-2115.1	-6059.6	-846.6	-2735.6	-1248.6	-3298.4	-847.8	-2740.0	-1251.1	-3308.1
c4mim-bf4-p1	-43.3	-29.1	-1664.9	-4693.7	-973.9	-2928.6	-673.1	-1739.7	-975.1	-2933.1	-674.7	-1746.6
c4mim-bf4-p2	-41.9	-28.3	-1664.1	-4692.6	-973.8	-2928.2	-673.1	-1739.7	-974.9	-2932.6	-674.7	-1746.2
c4mim-br-p1	-59.2	-38.3	-1116.1	-3247.4	-976.2	-2940.4	-114.2	-273.7	-976.6	-2942.2	-119.1	-287.3
c4mim-br-p2	-41.8	-23.5	-1110.5	-3239.1	-977.1	-2942.9	-114.2	-273.7	-977.4	-2944.1	-118.4	-286.2
c4mim-br-p3	-47.1	-28.2	-1112.5	-3241.2	-976.7	-2942.1	-114.2	-273.7	-977.0	-2943.3	-118.7	-286.5
c4mim-br-p4	-60.1	-39.1	-1116.5	-3248.1	-976.2	-2940.4	-114.2	-273.7	-976.8	-2942.4	-119.0	-287.3
c4mim-cl-p1	-44.4	-31.6	-1112.2	-3275.9	-976.0	-2940.1	-116.6	-311.0	-976.6	-2942.0	-118.4	-319.6
c4mim-cl-p2	-30.2	-19.3	-1109.0	-3269.7	-977.3	-2943.6	-116.6	-311.0	-977.6	-2944.8	-118.2	-318.8
c4mim-cl-p3	-34.7	-23.6	-1110.4	-3271.3	-976.8	-2942.5	-116.6	-311.0	-977.2	-2943.8	-118.2	-318.9
c4mim-cl-p4	-44.7	-31.7	-1112.2	-3276.2	-976.0	-2940.1	-116.6	-311.0	-976.6	-2942.2	-118.4	-319.5
c4mim-dca-p1	-74.7	-56.8	-1564.2	-4415.4	-973.8	-2929.0	-558.4	-1443.5	-975.2	-2934.4	-560.6	-1452.6

c4mim-dca-p2	-78.2	-60.1	-1566.2	-4416.8	-974.0	-2929.2	-558.5	-1443.2	-975.4	-2934.5	-560.6	-1452.4
c4mim-dca-p3	-72.9	-55.9	-1562.6	-4413.4	-973.3	-2928.2	-558.4	-1443.2	-974.7	-2933.5	-560.3	-1451.5
c4mim-mes-p1	-63.1	-43.2	-1666.8	-4724.5	-974.7	-2930.1	-664.3	-1759.1	-976.1	-2935.4	-667.0	-1769.6
c4mim-mes-p2	-54.2	-36.5	-1661.2	-4717.8	-973.4	-2927.9	-664.4	-1759.2	-974.7	-2932.8	-666.7	-1768.4
c4mim-pf6-p1	-50.9	-34.2	-2022.9	-5592.6	-973.8	-2928.6	-1028.0	-2634.1	-975.1	-2933.5	-1030.2	-2642.5
c4mim-pf6-p2	-43.7	-29.3	-2018.8	-5587.5	-973.1	-2927.3	-1028.1	-2634.1	-974.3	-2931.7	-1029.9	-2641.1
c4mim-tos-p1	-67.2	-44.7	-2252.5	-6264.7	-974.6	-2929.9	-1248.8	-3296.7	-976.2	-2936.1	-1251.9	-3308.2
c4mim-tos-p2	-61.9	-41.4	-2250.2	-6261.2	-974.5	-2929.5	-1248.8	-3296.7	-976.0	-2935.3	-1251.6	-3307.1
c4mpyr-bf4-p1	-39.9	-26.6	-1627.8	-4795.4	-938.4	-3034.5	-672.6	-1737.8	-939.4	-3038.3	-674.2	-1744.7
c4mpyr-bf4-p2	-36.7	-24.6	-1626.8	-4793.8	-938.7	-3034.8	-672.6	-1737.9	-939.6	-3038.2	-674.1	-1744.2
c4mpyr-bf4-p3	-36.3	-24.2	-1626.5	-4793.6	-938.5	-3034.8	-672.6	-1737.9	-939.4	-3038.2	-674.1	-1744.3
c4mpyr-br-p1	-58.4	-38.0	-1078.6	-3342.4	-939.1	-3035.7	-114.2	-273.7	-939.5	-3037.1	-118.9	-287.4
c4mpyr-br-p2	-54.7	-35.6	-1076.9	-3340.7	-939.0	-3036.0	-114.2	-273.7	-939.3	-3037.3	-118.7	-286.7
c4mpyr-br-p3	-54.6	-35.5	-1077.0	-3340.3	-939.0	-3035.9	-114.2	-273.7	-939.3	-3037.1	-118.7	-286.7
c4mpyr-cl-p1	-44.5	-32.4	-1075.4	-3371.6	-939.1	-3035.7	-116.6	-311.0	-939.5	-3037.2	-118.3	-319.5
c4mpyr-cl-p2	-43.2	-31.5	-1074.8	-3371.2	-938.9	-3036.2	-116.6	-311.0	-939.3	-3037.6	-118.3	-319.3
c4mpyr-cl-p3	-41.7	-30.6	-1074.3	-3370.1	-939.1	-3036.0	-116.6	-311.0	-939.4	-3037.3	-118.2	-319.0
c4mpyr-dca-p1	-53.2	-38.0	-1512.6	-4492.3	-938.5	-3034.5	-551.8	-1427.0	-939.7	-3038.6	-553.7	-1434.9
c4mpyr-dca-p2	-53.7	-39.5	-1513.8	-4492.0	-938.6	-3035.0	-551.8	-1426.8	-939.5	-3038.7	-553.6	-1434.5
c4mpyr-dca-p3	-52.5	-38.5	-1513.5	-4490.9	-938.6	-3034.8	-551.8	-1426.7	-939.6	-3038.7	-553.5	-1434.1
c4mpyr-dca-p4	-54.0	-38.8	-1513.4	-4492.7	-938.6	-3034.9	-551.8	-1426.9	-939.7	-3039.1	-553.7	-1434.9
c4mpyr-dca-p5	-54.8	-40.2	-1514.0	-4492.9	-938.6	-3034.9	-551.7	-1426.8	-939.6	-3038.8	-553.6	-1434.7
c4mpyr-mes-p1	-50.7	-32.6	-1625.3	-4824.2	-938.5	-3034.9	-664.5	-1760.9	-939.6	-3039.3	-667.1	-1771.0
c4mpyr-mes-p2	-46.3	-29.5	-1623.9	-4822.3	-939.0	-3035.4	-664.6	-1761.0	-940.0	-3039.3	-667.0	-1770.5
c4mpyr-mes-p3	-44.7	-28.1	-1623.1	-4821.2	-938.6	-3035.5	-664.5	-1760.9	-939.6	-3039.3	-666.9	-1770.4
c4mpyr-ntf2-p1	-68.1	-44.9	-3044.0	-8314.1	-938.7	-3034.5	-2077.8	-5239.0	-940.2	-3040.2	-2081.3	-5251.4
c4mpyr-ntf2-p2	-59.4	-37.4	-3040.4	-8306.9	-938.4	-3034.2	-2077.6	-5237.7	-939.8	-3039.7	-2080.8	-5249.5
c4mpyr-ntf2-p3	-65.1	-43.0	-3042.8	-8312.1	-938.4	-3034.5	-2077.8	-5239.0	-939.8	-3039.8	-2081.2	-5251.2
c4mpyr-ntf2-p4	-65.7	-43.5	-3043.0	-8312.5	-938.5	-3034.5	-2077.8	-5239.0	-939.9	-3039.8	-2081.2	-5251.1
c4mpyr-ntf2-p5	-55.4	-35.0	-3038.7	-8304.8	-938.2	-3034.3	-2077.6	-5238.0	-939.5	-3039.2	-2080.6	-5249.1
c4mpyr-ntf2-p6	-55.3	-35.2	-3039.2	-8304.9	-938.6	-3034.5	-2077.7	-5238.0	-939.8	-3039.4	-2080.7	-5249.0
c4mpyr-pf6-p1	-42.2	-27.6	-1984.0	-5693.6	-938.3	-3034.3	-1028.2	-2634.6	-939.3	-3038.2	-1030.2	-2642.4
c4mpyr-pf6-p2	-38.5	-25.3	-1982.8	-5691.7	-938.6	-3034.6	-1028.2	-2634.6	-939.5	-3038.0	-1030.1	-2641.8
c4mpyr-pf6-p3	-38.3	-24.9	-1982.5	-5691.6	-938.4	-3034.5	-1028.2	-2634.6	-939.3	-3037.9	-1030.1	-2641.9
c4mpyr-tos-p1	-51.1	-31.3	-2209.4	-6362.1	-938.5	-3035.0	-1248.6	-3298.3	-939.8	-3039.9	-1251.4	-3309.0
c4mpyr-tos-p2	-46.6	-28.3	-2207.9	-6360.1	-939.0	-3035.4	-1248.6	-3298.4	-940.2	-3039.8	-1251.2	-3308.4

2.2.17 CC(T+d) basis set

Table S 18: Raw CC(T+d) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-36.2	-25.1	-1584.7	-4600.0	-783.0	-2420.1	-785.9	-2159.4	-783.4	-2421.4	-788.8	-2165.9
clmim-br-p1	-48.3	-37.4	-984.7	-2878.7	-785.0	-2427.9	-177.4	-425.0	-785.2	-2428.6	-180.2	-432.0
clmim-br-p2	-33.3	-24.2	-978.2	-2870.1	-784.7	-2427.9	-177.4	-425.0	-784.8	-2428.3	-179.8	-431.3
clmim-cl-p1	-39.9	-30.5	-933.5	-2838.3	-784.8	-2427.6	-130.4	-389.2	-785.0	-2428.3	-132.6	-395.5
clmim-cl-p2	-30.7	-22.9	-930.4	-2833.3	-785.0	-2428.5	-130.4	-389.2	-785.0	-2428.8	-132.0	-394.9
clmim-dca-p1	-62.3	-54.3	-1436.5	-4162.9	-783.5	-2421.4	-624.1	-1708.2	-783.9	-2422.7	-625.9	-1712.6
clmim-dca-p2	-47.0	-40.6	-1429.7	-4155.4	-783.6	-2422.5	-623.7	-1708.2	-783.8	-2423.2	-625.2	-1712.3
clmim-mes-p1	-48.4	-34.4	-1556.7	-4560.9	-783.5	-2420.9	-750.3	-2114.4	-783.8	-2422.2	-754.4	-2122.8
clmim-ntf2-p1	-74.4	-60.4	-3205.6	-8867.1	-783.1	-2420.2	-2389.0	-6406.0	-783.5	-2422.0	-2392.7	-6414.1
clmim-ntf2-p2	-43.3	-33.4	-3192.1	-8849.0	-783.4	-2422.0	-2388.2	-6404.3	-783.5	-2422.8	-2390.8	-6410.6
clmim-ntf2-p3	-45.0	-34.1	-3193.8	-8849.3	-783.1	-2421.0	-2389.0	-6405.1	-783.4	-2422.2	-2391.9	-6411.5
clmim-pf6-p1	-39.5	-27.2	-1997.6	-5705.6	-783.0	-2420.2	-1197.2	-3263.3	-783.3	-2421.3	-1200.8	-3270.5
clmim-tos-p1	-45.1	-32.2	-2204.6	-6380.5	-783.2	-2420.7	-1399.9	-3936.2	-783.5	-2421.9	-1403.6	-3943.8
clmpyr-bf4-p1	-37.4	-26.4	-1543.5	-4712.1	-741.1	-2533.7	-785.5	-2158.0	-741.2	-2534.4	-788.7	-2164.9
clmpyr-bf4-p2	-34.5	-24.7	-1542.3	-4710.8	-741.2	-2533.9	-785.5	-2158.0	-741.3	-2534.4	-788.4	-2164.3
clmpyr-br-p1	-50.3	-40.0	-942.3	-2986.8	-741.7	-2534.7	-177.4	-425.0	-741.8	-2535.0	-180.2	-432.1
clmpyr-br-p2	-47.9	-38.2	-941.2	-2985.7	-741.7	-2534.9	-177.4	-425.0	-741.8	-2535.2	-180.0	-431.7
clmpyr-cl-p1	-44.0	-35.4	-892.4	-2947.8	-741.8	-2534.8	-130.4	-389.2	-741.8	-2535.1	-132.5	-395.4
clmpyr-cl-p2	-42.8	-34.6	-891.8	-2947.3	-741.8	-2535.0	-130.4	-389.2	-741.8	-2535.2	-132.4	-395.1
clmpyr-dca-p1	-44.0	-37.7	-1381.1	-4250.3	-741.6	-2534.4	-618.1	-1693.3	-741.7	-2535.0	-619.8	-1697.2
clmpyr-dca-p2	-47.5	-41.3	-1382.1	-4252.6	-741.4	-2534.1	-618.1	-1693.6	-741.6	-2534.8	-619.7	-1697.4
clmpyr-dca-p3	-44.9	-38.7	-1379.3	-4252.9	-741.1	-2533.9	-618.1	-1694.3	-741.3	-2534.6	-619.5	-1698.2
clmpyr-dca-p4	-46.1	-39.9	-1381.2	-4251.6	-741.1	-2533.9	-618.1	-1693.6	-741.3	-2534.6	-619.7	-1697.3
clmpyr-mes-p1	-45.8	-32.6	-1513.5	-4673.2	-741.1	-2534.0	-750.3	-2115.5	-741.2	-2534.7	-754.3	-2124.0
clmpyr-mes-p2	-40.9	-29.2	-1511.4	-4671.0	-741.3	-2534.3	-750.3	-2115.5	-741.4	-2534.9	-753.7	-2123.1
clmpyr-ntf2-p1	-52.6	-42.1	-3152.6	-8967.7	-741.4	-2533.8	-2387.4	-6405.2	-741.6	-2534.5	-2390.4	-6411.7
clmpyr-ntf2-p2	-40.3	-31.1	-3147.6	-8959.1	-741.1	-2533.5	-2387.4	-6404.3	-741.3	-2534.2	-2390.1	-6409.9
clmpyr-ntf2-p3	-51.3	-41.1	-3152.1	-8966.7	-741.4	-2533.9	-2387.3	-6404.9	-741.5	-2534.5	-2390.3	-6411.3
clmpyr-ntf2-p5	-41.6	-32.2	-3148.3	-8959.6	-741.3	-2533.7	-2387.3	-6404.0	-741.5	-2534.4	-2390.0	-6409.8
clmpyr-pf6-p1	-37.8	-26.5	-1955.4	-5818.0	-741.1	-2533.6	-1197.3	-3263.6	-741.2	-2534.2	-1200.7	-3270.7
clmpyr-pf6-p2	-34.9	-24.7	-1954.2	-5816.7	-741.2	-2533.7	-1197.3	-3263.7	-741.3	-2534.2	-1200.5	-3270.3
clmpyr-tos-p1	-42.4	-29.9	-2161.2	-6492.2	-741.1	-2534.0	-1399.3	-3936.6	-741.2	-2534.7	-1403.0	-3944.5
clmpyr-tos-p2	-37.3	-26.1	-2158.6	-6489.8	-741.2	-2534.1	-1399.2	-3936.6	-741.3	-2534.7	-1402.6	-3943.7

c2mim-bf4-p1	-38.6	-26.5	-1691.1	-4956.7	-888.2	-2775.7	-785.9	-2159.4	-888.6	-2777.0	-789.1	-2166.5
c2mim-bf4-p2	-35.9	-24.8	-1689.3	-4954.7	-887.8	-2775.1	-785.9	-2159.4	-888.1	-2776.3	-788.8	-2165.9
c2mim-br-p1	-50.0	-38.6	-1090.0	-3234.8	-889.6	-2782.9	-177.4	-425.0	-889.8	-2783.6	-180.4	-432.4
c2mim-br-p2	-37.3	-27.3	-1085.9	-3229.1	-890.6	-2784.8	-177.4	-425.0	-890.7	-2785.2	-180.0	-431.9
c2mim-br-p3	-37.6	-27.6	-1085.3	-3228.4	-889.8	-2783.9	-177.4	-425.0	-889.9	-2784.3	-180.0	-431.8
c2mim-br-p4	-49.8	-38.8	-1090.7	-3235.7	-890.3	-2784.0	-177.4	-425.0	-890.5	-2784.7	-180.3	-432.1
c2mim-cl-p1	-41.8	-31.9	-1039.1	-3194.6	-889.5	-2782.8	-130.4	-389.2	-889.7	-2783.4	-132.7	-395.9
c2mim-cl-p2	-33.4	-24.9	-1037.5	-3191.7	-890.8	-2785.4	-130.4	-389.2	-890.9	-2785.8	-132.2	-395.3
c2mim-cl-p3	-33.9	-25.2	-1036.9	-3191.0	-890.1	-2784.4	-130.4	-389.2	-890.1	-2784.8	-132.3	-395.4
c2mim-cl-p4	-41.0	-31.4	-1039.2	-3195.0	-890.0	-2783.6	-130.4	-389.2	-890.2	-2784.3	-132.6	-395.6
c2mim-dca-p1	-64.2	-56.0	-1541.8	-4519.0	-888.1	-2776.1	-623.9	-1708.5	-888.5	-2777.4	-625.8	-1713.1
c2mim-dca-p2	-60.3	-52.4	-1540.4	-4516.6	-888.3	-2776.1	-624.0	-1708.3	-888.6	-2777.4	-625.9	-1712.7
c2mim-dca-p3	-64.5	-56.3	-1543.0	-4519.6	-888.8	-2776.7	-624.1	-1708.3	-889.1	-2778.1	-626.1	-1713.0
c2mim-dca-p4	-61.0	-53.3	-1540.6	-4517.0	-888.2	-2776.1	-624.0	-1708.3	-888.5	-2777.4	-625.8	-1712.5
c2mim-dca-p5	-62.6	-54.5	-1541.3	-4518.0	-888.2	-2776.2	-624.1	-1708.2	-888.6	-2777.6	-625.9	-1712.7
c2mim-dca-p6	-62.7	-54.7	-1541.0	-4518.0	-888.1	-2775.8	-624.1	-1708.3	-888.4	-2777.2	-625.9	-1712.7
c2mim-mes-p1	-54.3	-39.2	-1664.8	-4919.8	-889.0	-2776.9	-750.3	-2114.3	-889.3	-2778.1	-754.6	-2123.3
c2mim-mes-p2	-49.2	-34.9	-1661.5	-4916.3	-888.1	-2775.7	-750.3	-2114.4	-888.5	-2777.0	-754.5	-2123.0
c2mim-ntf2-p1	-81.2	-65.6	-3314.0	-9226.3	-888.3	-2775.8	-2389.0	-6406.0	-888.8	-2777.6	-2393.2	-6415.1
c2mim-ntf2-p2	-54.0	-42.1	-3302.3	-9211.4	-888.5	-2777.5	-2388.5	-6405.2	-888.8	-2778.4	-2391.8	-6412.6
c2mim-ntf2-p3	-48.5	-36.7	-3300.6	-9206.3	-888.1	-2776.3	-2389.0	-6405.1	-888.4	-2777.5	-2392.2	-6412.0
c2mim-ntf2-p4	-71.5	-57.3	-3309.9	-9221.1	-888.2	-2775.8	-2389.2	-6406.2	-888.6	-2777.5	-2393.1	-6414.6
c2mim-pf6-p1	-43.8	-30.0	-2104.7	-6063.3	-888.1	-2775.6	-1197.2	-3263.2	-888.4	-2776.8	-1201.2	-3271.4
c2mim-pf6-p2	-39.8	-27.4	-2102.3	-6060.7	-887.7	-2775.0	-1197.2	-3263.3	-888.0	-2776.1	-1200.8	-3270.6
c2mim-tos-p1	-52.9	-38.2	-2313.8	-6740.4	-888.8	-2776.7	-1399.9	-3936.0	-889.2	-2778.0	-1404.1	-3944.7
c2mim-tos-p2	-46.8	-33.1	-2310.3	-6736.4	-888.1	-2775.8	-1399.9	-3936.1	-888.5	-2777.1	-1403.8	-3944.2
c2mpyr-bf4-p1	-38.1	-26.8	-1650.6	-5070.7	-847.9	-2891.8	-785.5	-2157.9	-848.0	-2892.6	-788.8	-2165.1
c2mpyr-bf4-p2	-35.9	-25.2	-1650.1	-5070.0	-848.4	-2892.3	-785.5	-2158.0	-848.5	-2893.0	-788.6	-2164.8
c2mpyr-bf4-p3	-35.5	-25.2	-1649.5	-5069.5	-848.0	-2892.1	-785.5	-2158.0	-848.1	-2892.7	-788.5	-2164.5
c2mpyr-br-p1	-51.4	-40.7	-1049.6	-3345.5	-848.5	-2892.8	-177.4	-425.0	-848.6	-2893.1	-180.3	-432.3
c2mpyr-br-p2	-49.8	-39.4	-1048.8	-3345.1	-848.5	-2893.3	-177.4	-425.0	-848.5	-2893.6	-180.2	-432.1
c2mpyr-br-p3	-48.9	-38.9	-1048.3	-3344.3	-848.4	-2892.9	-177.4	-425.0	-848.5	-2893.2	-180.1	-431.9
c2mpyr-cl-p1	-44.6	-35.7	-999.4	-3306.2	-848.6	-2892.9	-130.4	-389.2	-848.7	-2893.2	-132.5	-395.5
c2mpyr-cl-p2	-43.6	-34.9	-998.7	-3305.9	-848.3	-2893.1	-130.4	-389.2	-848.4	-2893.4	-132.5	-395.4
c2mpyr-cl-p3	-43.1	-34.7	-998.7	-3305.6	-848.6	-2893.1	-130.4	-389.2	-848.6	-2893.3	-132.4	-395.2
c2mpyr-dca-p1	-44.1	-37.8	-1487.9	-4608.5	-848.4	-2892.5	-618.1	-1693.3	-848.5	-2893.1	-619.8	-1697.2
c2mpyr-dca-p2	-47.5	-40.9	-1489.0	-4610.5	-848.0	-2892.2	-618.2	-1693.7	-848.2	-2892.9	-619.9	-1697.6
c2mpyr-dca-p3	-47.9	-41.6	-1489.0	-4610.9	-848.1	-2892.2	-618.1	-1693.6	-848.3	-2892.9	-619.7	-1697.4
c2mpyr-mes-p1	-47.5	-33.5	-1620.9	-5032.4	-847.9	-2892.1	-750.3	-2115.5	-848.1	-2892.9	-754.5	-2124.3

c2mpyr-mes-p2	-43.9	-30.8	-1619.8	-5031.3	-848.6	-2892.7	-750.3	-2115.6	-848.7	-2893.3	-754.3	-2124.0
c2mpyr-mes-p3	-42.7	-30.3	-1618.8	-5030.2	-848.1	-2892.5	-750.3	-2115.5	-848.2	-2893.2	-754.0	-2123.4
c2mpyr-ntf2-p1	-53.7	-42.8	-3260.2	-9326.4	-848.2	-2891.8	-2387.5	-6405.3	-848.4	-2892.6	-2390.7	-6412.0
c2mpyr-ntf2-p2	-42.7	-32.9	-3255.4	-9318.6	-847.9	-2891.6	-2387.4	-6404.4	-848.0	-2892.4	-2390.3	-6410.4
c2mpyr-ntf2-p3	-52.8	-41.9	-3259.6	-9325.7	-848.0	-2891.9	-2387.4	-6405.1	-848.2	-2892.6	-2390.6	-6411.9
c2mpyr-ntf2-p4	-51.8	-41.4	-3259.0	-9325.4	-848.0	-2891.9	-2387.5	-6405.2	-848.2	-2892.5	-2390.5	-6411.8
c2mpyr-ntf2-p5	-44.2	-34.2	-3255.9	-9319.2	-847.7	-2891.6	-2387.3	-6404.2	-847.9	-2892.3	-2390.3	-6410.5
c2mpyr-ntf2-p6	-41.6	-32.3	-3255.3	-9318.2	-848.1	-2891.9	-2387.5	-6404.4	-848.2	-2892.5	-2390.2	-6410.2
c2mpyr-pf6-p1	-38.3	-26.8	-2062.6	-6176.6	-848.1	-2892.0	-1197.3	-3263.6	-848.2	-2892.6	-1200.8	-3270.8
c2mpyr-pf6-p2	-36.3	-25.3	-2061.8	-6175.7	-848.1	-2892.0	-1197.3	-3263.7	-848.3	-2892.5	-1200.7	-3270.7
c2mpyr-pf6-p3	-35.7	-25.1	-2061.3	-6175.3	-848.0	-2891.9	-1197.3	-3263.7	-848.1	-2892.4	-1200.6	-3270.4
c2mpyr-tos-p1	-44.2	-31.1	-2268.7	-6851.4	-847.9	-2892.1	-1399.3	-3936.7	-848.1	-2892.9	-1403.2	-3944.9
c2mpyr-tos-p2	-40.8	-28.5	-2267.7	-6850.3	-848.5	-2892.6	-1399.3	-3936.7	-848.7	-2893.3	-1403.0	-3944.5
c3mim-bf4-p1	-39.5	-27.0	-1795.3	-5311.6	-992.0	-3130.2	-785.9	-2159.4	-992.3	-3131.5	-789.2	-2166.8
c3mim-bf4-p2	-38.5	-26.6	-1794.8	-5311.2	-992.0	-3130.1	-785.9	-2159.4	-992.3	-3131.5	-789.1	-2166.5
c3mim-br-p1	-50.8	-39.1	-1194.2	-3590.2	-993.4	-3137.9	-177.4	-425.0	-993.6	-3138.6	-180.5	-432.6
c3mim-br-p2	-37.8	-27.6	-1189.7	-3584.1	-994.1	-3139.5	-177.4	-425.0	-994.2	-3140.0	-180.0	-431.9
c3mim-br-p3	-42.1	-31.1	-1191.3	-3585.9	-993.7	-3139.0	-177.4	-425.0	-993.8	-3139.4	-180.3	-432.5
c3mim-br-p4	-51.8	-39.8	-1194.9	-3591.5	-993.7	-3138.5	-177.4	-425.0	-993.9	-3139.3	-180.6	-432.8
c3mim-cl-p1	-42.3	-32.2	-1143.0	-3549.8	-993.3	-3137.6	-130.4	-389.2	-993.5	-3138.3	-132.8	-396.0
c3mim-cl-p2	-33.6	-25.0	-1141.1	-3546.5	-994.3	-3140.1	-130.4	-389.2	-994.5	-3140.5	-132.2	-395.4
c3mim-cl-p3	-37.0	-27.6	-1142.2	-3547.7	-993.9	-3139.4	-130.4	-389.2	-994.0	-3139.8	-132.6	-395.9
c3mim-cl-p4	-42.3	-32.1	-1143.1	-3550.4	-993.5	-3138.2	-130.4	-389.2	-993.7	-3138.9	-132.8	-396.1
c3mim-dca-p1	-65.2	-56.8	-1646.0	-4874.0	-991.9	-3130.3	-624.0	-1708.6	-992.2	-3131.8	-625.9	-1713.2
c3mim-dca-p2	-66.2	-57.8	-1646.8	-4875.1	-992.3	-3131.0	-624.0	-1708.4	-992.7	-3132.4	-626.0	-1713.0
c3mim-dca-p3	-57.3	-49.5	-1643.0	-4870.7	-992.3	-3131.8	-623.8	-1708.5	-992.6	-3132.8	-625.6	-1713.2
c3mim-dca-p4	-67.7	-58.9	-1647.6	-4874.9	-992.0	-3130.6	-624.0	-1708.3	-992.4	-3132.0	-626.1	-1713.1
c3mim-dca-p5	-63.8	-55.7	-1644.6	-4872.6	-991.4	-3129.8	-623.9	-1708.3	-991.8	-3131.3	-625.7	-1712.7
c3mim-dca-p6	-62.9	-54.8	-1644.4	-4872.3	-991.5	-3129.8	-624.1	-1708.4	-991.9	-3131.2	-625.9	-1712.8
c3mim-mes-p1	-57.1	-41.2	-1770.1	-5276.0	-992.8	-3131.6	-750.3	-2114.3	-993.2	-3132.9	-754.9	-2123.9
c3mim-mes-p2	-49.8	-35.3	-1765.3	-5270.8	-991.7	-3129.8	-750.3	-2114.5	-992.0	-3131.1	-754.6	-2123.2
c3mim-ntf2-p1	-85.0	-68.4	-3419.5	-9582.8	-992.0	-3130.3	-2389.0	-6406.1	-992.5	-3132.2	-2393.5	-6415.7
c3mim-ntf2-p2	-58.3	-45.6	-3408.1	-9567.9	-992.2	-3131.7	-2388.5	-6405.2	-992.5	-3132.7	-2392.1	-6413.1
c3mim-ntf2-p3	-50.4	-38.1	-3405.2	-9561.7	-991.8	-3130.7	-2389.0	-6405.1	-992.1	-3132.0	-2392.3	-6412.4
c3mim-ntf2-p4	-72.7	-58.6	-3413.6	-9575.8	-991.6	-3129.5	-2389.2	-6406.3	-992.0	-3131.2	-2393.0	-6414.5
c3mim-pf6-p1	-44.0	-30.9	-2208.1	-6417.6	-991.7	-3129.8	-1197.1	-3263.1	-992.0	-3130.9	-1201.0	-3270.9
c3mim-pf6-p2	-39.9	-27.5	-2205.9	-6414.9	-991.3	-3129.1	-1197.2	-3263.3	-991.5	-3130.2	-1200.8	-3270.7
c3mim-tos-p1	-56.3	-40.7	-2419.3	-7096.8	-992.6	-3131.3	-1399.9	-3936.0	-993.0	-3132.7	-1404.3	-3945.3
c3mim-tos-p2	-53.0	-38.3	-2417.3	-7094.7	-992.3	-3130.7	-1399.9	-3936.1	-992.6	-3132.1	-1404.1	-3944.9

c3mpyr-bf4-p1	-38.5	-27.0	-1754.4	-5426.0	-951.5	-3246.8	-785.5	-2157.9	-951.7	-3247.6	-788.8	-2165.2
c3mpyr-bf4-p2	-36.1	-25.3	-1753.7	-5425.0	-951.9	-3247.1	-785.5	-2158.0	-952.1	-3247.8	-788.6	-2164.9
c3mpyr-bf4-p3	-35.9	-25.4	-1753.3	-5424.7	-951.6	-3247.0	-785.5	-2158.0	-951.8	-3247.6	-788.5	-2164.6
c3mpyr-br-p1	-52.3	-41.4	-1153.7	-3701.0	-952.2	-3247.8	-177.4	-425.0	-952.3	-3248.1	-180.4	-432.4
c3mpyr-br-p2	-49.7	-39.1	-1152.2	-3699.8	-952.1	-3247.9	-177.4	-425.0	-952.1	-3248.2	-180.3	-432.3
c3mpyr-br-p3	-49.7	-39.5	-1152.3	-3699.8	-952.1	-3247.9	-177.4	-425.0	-952.2	-3248.2	-180.2	-432.0
c3mpyr-cl-p1	-45.1	-36.0	-1103.3	-3661.5	-952.2	-3247.9	-130.4	-389.2	-952.3	-3248.2	-132.6	-395.6
c3mpyr-cl-p2	-43.9	-35.1	-1102.5	-3661.0	-952.0	-3248.0	-130.4	-389.2	-952.1	-3248.3	-132.5	-395.5
c3mpyr-cl-p3	-43.5	-34.9	-1102.5	-3660.8	-952.2	-3248.0	-130.4	-389.2	-952.3	-3248.3	-132.4	-395.3
c3mpyr-dca-p1	-45.3	-38.7	-1591.9	-4964.1	-951.8	-3247.2	-618.2	-1693.5	-952.0	-3247.9	-619.9	-1697.5
c3mpyr-dca-p2	-47.5	-40.8	-1592.6	-4965.5	-951.7	-3247.1	-618.1	-1693.7	-951.8	-3247.8	-619.9	-1697.7
c3mpyr-dca-p3	-43.7	-37.5	-1589.5	-4965.9	-951.8	-3247.2	-618.2	-1694.6	-951.9	-3247.8	-619.7	-1698.4
c3mpyr-dca-p4	-45.9	-39.7	-1591.8	-4965.0	-951.9	-3247.3	-618.1	-1693.5	-952.1	-3248.0	-619.7	-1697.3
c3mpyr-dca-p5	-47.8	-41.4	-1592.6	-4965.8	-951.7	-3247.2	-618.1	-1693.6	-951.9	-3247.9	-619.8	-1697.5
c3mpyr-mes-p1	-48.4	-34.1	-1724.9	-5387.9	-951.5	-3247.1	-750.3	-2115.5	-951.7	-3247.9	-754.6	-2124.5
c3mpyr-mes-p2	-44.2	-30.9	-1723.6	-5386.4	-952.2	-3247.6	-750.3	-2115.7	-952.3	-3248.3	-754.4	-2124.0
c3mpyr-mes-p3	-43.6	-30.9	-1722.9	-5385.8	-951.7	-3247.5	-750.3	-2115.5	-951.9	-3248.2	-754.1	-2123.7
c3mpyr-ntf2-p1	-55.7	-44.5	-3364.8	-9682.6	-951.9	-3247.0	-2387.5	-6405.3	-952.1	-3247.9	-2390.8	-6412.2
c3mpyr-ntf2-p2	-42.2	-32.8	-3359.2	-9673.0	-951.6	-3246.7	-2387.4	-6404.3	-951.8	-3247.4	-2390.1	-6410.1
c3mpyr-ntf2-p3	-53.0	-42.1	-3363.3	-9680.8	-951.6	-3246.8	-2387.5	-6405.2	-951.8	-3247.5	-2390.7	-6412.0
c3mpyr-ntf2-p4	-54.0	-43.0	-3363.7	-9681.3	-951.7	-3246.9	-2387.4	-6405.1	-951.8	-3247.6	-2390.6	-6411.9
c3mpyr-ntf2-p5	-44.2	-34.1	-3359.5	-9674.2	-951.4	-3246.6	-2387.3	-6404.2	-951.6	-3247.3	-2390.3	-6410.4
c3mpyr-ntf2-p6	-43.5	-33.5	-3359.7	-9674.2	-951.7	-3246.9	-2387.4	-6404.3	-951.9	-3247.6	-2390.4	-6410.4
c3mpyr-pf6-p1	-39.5	-27.5	-2166.5	-6532.0	-951.5	-3246.7	-1197.3	-3263.6	-951.6	-3247.3	-1200.9	-3271.1
c3mpyr-pf6-p2	-36.3	-25.2	-2165.4	-6530.5	-951.7	-3246.9	-1197.3	-3263.7	-951.9	-3247.4	-1200.7	-3270.7
c3mpyr-pf6-p3	-36.3	-25.4	-2165.1	-6530.6	-951.6	-3246.9	-1197.3	-3263.7	-951.7	-3247.4	-1200.6	-3270.5
c3mpyr-tos-p1	-45.4	-31.8	-2372.8	-7207.0	-951.5	-3247.1	-1399.2	-3936.6	-951.7	-3247.9	-1403.3	-3945.1
c3mpyr-tos-p2	-41.2	-28.7	-2371.4	-7205.4	-952.1	-3247.5	-1399.2	-3936.7	-952.3	-3248.3	-1403.0	-3944.5
c4mim-bf4-p1	-40.1	-27.4	-1899.2	-5666.4	-1095.6	-3484.5	-785.9	-2159.4	-1095.9	-3485.9	-789.3	-2167.0
c4mim-bf4-p2	-38.7	-26.7	-1898.4	-5665.5	-1095.5	-3484.3	-785.9	-2159.4	-1095.9	-3485.7	-789.1	-2166.5
c4mim-br-p1	-51.8	-39.8	-1298.2	-3945.7	-1097.0	-3492.8	-177.4	-425.0	-1097.2	-3493.5	-180.6	-432.8
c4mim-br-p2	-38.8	-28.4	-1293.7	-3939.6	-1097.7	-3494.5	-177.4	-425.0	-1097.8	-3494.9	-180.1	-432.1
c4mim-br-p3	-44.0	-32.5	-1295.7	-3941.8	-1097.3	-3493.9	-177.4	-425.0	-1097.5	-3494.3	-180.5	-432.8
c4mim-br-p4	-52.5	-40.3	-1298.7	-3946.5	-1097.2	-3493.2	-177.4	-425.0	-1097.4	-3494.0	-180.6	-432.9
c4mim-cl-p1	-42.9	-32.7	-1246.9	-3905.0	-1096.8	-3492.5	-130.4	-389.2	-1097.0	-3493.2	-132.8	-396.1
c4mim-cl-p2	-34.1	-25.3	-1244.9	-3901.7	-1097.9	-3495.0	-130.4	-389.2	-1098.0	-3495.4	-132.3	-395.5
c4mim-cl-p3	-38.4	-28.5	-1246.4	-3903.3	-1097.5	-3494.2	-130.4	-389.2	-1097.6	-3494.7	-132.7	-396.2
c4mim-cl-p4	-42.8	-32.4	-1246.8	-3905.4	-1097.0	-3492.9	-130.4	-389.2	-1097.2	-3493.6	-132.8	-396.1
c4mim-dca-p1	-66.0	-57.4	-1749.9	-5228.8	-1095.5	-3484.7	-624.0	-1708.6	-1095.9	-3486.1	-625.9	-1713.3

c4mim-dca-p2	-69.4	-60.3	-1752.0	-5230.3	-1095.6	-3485.0	-624.0	-1708.3	-1096.0	-3486.4	-626.2	-1713.3
c4mim-dca-p3	-64.1	-56.0	-1748.2	-5227.1	-1095.0	-3484.0	-623.9	-1708.3	-1095.4	-3485.5	-625.7	-1712.8
c4mim-mes-p1	-58.4	-42.2	-1874.3	-5631.0	-1096.4	-3485.9	-750.3	-2114.3	-1096.8	-3487.3	-755.0	-2124.1
c4mim-mes-p2	-49.9	-35.3	-1868.8	-5625.1	-1095.2	-3484.0	-750.3	-2114.5	-1095.5	-3485.2	-754.6	-2123.3
c4mim-pf6-p1	-46.9	-32.0	-2313.5	-6773.9	-1095.5	-3484.6	-1197.2	-3263.2	-1095.8	-3485.8	-1201.6	-3272.2
c4mim-pf6-p2	-40.0	-27.5	-2309.4	-6769.2	-1094.8	-3483.3	-1197.2	-3263.3	-1095.1	-3484.5	-1200.9	-3270.7
c4mim-tos-p1	-58.5	-42.5	-2524.0	-7452.5	-1096.3	-3485.7	-1399.9	-3936.0	-1096.7	-3487.2	-1404.5	-3945.6
c4mim-tos-p2	-54.1	-39.5	-2521.9	-7449.9	-1096.2	-3485.5	-1399.9	-3936.0	-1096.6	-3487.0	-1404.0	-3944.7
c4mpyr-bf4-p1	-38.6	-27.0	-1857.9	-5780.6	-1055.0	-3601.4	-785.5	-2158.0	-1055.2	-3602.2	-788.8	-2165.3
c4mpyr-bf4-p2	-36.2	-25.4	-1857.1	-5779.7	-1055.3	-3601.7	-785.5	-2158.0	-1055.5	-3602.4	-788.6	-2164.9
c4mpyr-bf4-p3	-36.1	-25.5	-1856.8	-5779.5	-1055.1	-3601.7	-785.5	-2158.0	-1055.3	-3602.3	-788.5	-2164.7
c4mpyr-br-p1	-52.5	-41.5	-1257.2	-4055.7	-1055.7	-3602.4	-177.4	-425.0	-1055.8	-3602.7	-180.4	-432.5
c4mpyr-br-p2	-50.1	-39.3	-1255.8	-4054.6	-1055.5	-3602.5	-177.4	-425.0	-1055.6	-3602.8	-180.3	-432.4
c4mpyr-br-p3	-50.0	-39.7	-1255.9	-4054.5	-1055.6	-3602.5	-177.4	-425.0	-1055.7	-3602.8	-180.2	-432.0
c4mpyr-cl-p1	-45.0	-36.0	-1206.7	-4016.0	-1055.7	-3602.4	-130.4	-389.2	-1055.8	-3602.7	-132.6	-395.6
c4mpyr-cl-p2	-44.4	-35.5	-1206.2	-4016.0	-1055.5	-3602.7	-130.4	-389.2	-1055.6	-3603.0	-132.5	-395.6
c4mpyr-cl-p3	-43.4	-34.9	-1205.9	-4015.3	-1055.6	-3602.6	-130.4	-389.2	-1055.7	-3602.9	-132.4	-395.3
c4mpyr-dca-p1	-45.3	-39.1	-1694.4	-5319.4	-1055.2	-3601.5	-618.1	-1693.7	-1055.4	-3602.3	-619.7	-1697.4
c4mpyr-dca-p2	-47.5	-40.8	-1696.1	-5320.1	-1055.2	-3601.8	-618.1	-1693.6	-1055.3	-3602.5	-619.9	-1697.7
c4mpyr-dca-p3	-46.0	-39.3	-1695.6	-5319.0	-1055.2	-3601.7	-618.2	-1693.5	-1055.4	-3602.4	-620.0	-1697.6
c4mpyr-dca-p4	-46.9	-40.4	-1695.4	-5320.1	-1055.1	-3601.7	-618.1	-1693.6	-1055.3	-3602.5	-619.8	-1697.4
c4mpyr-dca-p5	-48.0	-41.5	-1696.1	-5320.5	-1055.2	-3601.7	-618.1	-1693.6	-1055.4	-3602.4	-619.8	-1697.5
c4mpyr-mes-p1	-48.4	-34.1	-1828.3	-5742.5	-1055.0	-3601.6	-750.3	-2115.5	-1055.2	-3602.4	-754.6	-2124.5
c4mpyr-mes-p2	-44.7	-31.3	-1827.2	-5741.3	-1055.6	-3602.2	-750.3	-2115.6	-1055.8	-3602.9	-754.4	-2124.1
c4mpyr-mes-p3	-43.9	-31.0	-1826.5	-5740.5	-1055.2	-3602.1	-750.3	-2115.5	-1055.4	-3602.8	-754.1	-2123.7
c4mpyr-ntf2-p1	-55.9	-44.6	-3468.2	-10037.2	-1055.3	-3601.5	-2387.5	-6405.2	-1055.5	-3602.4	-2390.8	-6412.1
c4mpyr-ntf2-p2	-47.6	-36.7	-3464.7	-10030.4	-1055.0	-3601.2	-2387.3	-6403.9	-1055.2	-3602.2	-2390.4	-6410.5
c4mpyr-ntf2-p3	-54.3	-43.2	-3467.4	-10036.1	-1055.1	-3601.5	-2387.5	-6405.2	-1055.2	-3602.3	-2390.7	-6412.1
c4mpyr-ntf2-p4	-55.1	-43.9	-3467.7	-10036.6	-1055.1	-3601.5	-2387.5	-6405.2	-1055.3	-3602.2	-2390.7	-6412.1
c4mpyr-ntf2-p5	-44.9	-34.6	-3463.2	-10029.2	-1054.8	-3601.2	-2387.3	-6404.2	-1055.0	-3602.0	-2390.3	-6410.5
c4mpyr-ntf2-p6	-45.1	-34.8	-3463.9	-10029.5	-1055.2	-3601.5	-2387.4	-6404.2	-1055.4	-3602.2	-2390.4	-6410.6
c4mpyr-pf6-p1	-39.6	-27.5	-2270.0	-6886.7	-1054.9	-3601.3	-1197.3	-3263.7	-1055.1	-3601.9	-1201.0	-3271.2
c4mpyr-pf6-p2	-36.7	-25.5	-2269.0	-6885.4	-1055.2	-3601.5	-1197.3	-3263.7	-1055.3	-3602.1	-1200.7	-3270.7
c4mpyr-pf6-p3	-36.5	-25.6	-2268.7	-6885.3	-1055.1	-3601.5	-1197.3	-3263.7	-1055.2	-3602.0	-1200.7	-3270.6
c4mpyr-tos-p1	-45.6	-32.0	-2476.4	-7561.9	-1055.1	-3601.7	-1399.3	-3936.7	-1055.3	-3602.6	-1403.3	-3945.1
c4mpyr-tos-p2	-41.9	-29.2	-2475.2	-7560.5	-1055.6	-3602.2	-1399.3	-3936.7	-1055.8	-3602.9	-1403.2	-3944.7

2.2.18 ACC(T+d) basis set

Table S 19: Raw ACC(T+d) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-37.1	-30.1	-1610.5	-4707.0	-790.9	-2459.3	-803.8	-2226.4	-791.3	-2461.5	-804.3	-2230.5
clmim-br-p1	-58.4	-42.6	-1004.9	-2947.0	-793.0	-2467.5	-186.0	-447.0	-793.1	-2468.4	-189.9	-457.9
clmim-br-p2	-41.2	-25.7	-997.1	-2937.6	-792.8	-2467.7	-186.0	-447.0	-792.9	-2468.3	-189.7	-458.1
clmim-cl-p1	-41.1	-34.9	-948.5	-2898.7	-792.8	-2467.2	-136.8	-409.3	-793.0	-2468.1	-137.2	-414.0
clmim-cl-p2	-29.7	-23.0	-944.2	-2892.9	-793.0	-2468.3	-136.8	-409.3	-793.1	-2468.9	-137.3	-414.7
clmim-dca-p1	-67.0	-59.8	-1454.9	-4243.8	-791.4	-2460.7	-633.3	-1746.2	-791.8	-2463.0	-633.8	-1750.2
clmim-dca-p2	-49.7	-43.0	-1447.1	-4235.3	-791.5	-2461.9	-633.0	-1746.3	-791.8	-2463.6	-633.5	-1750.5
clmim-mes-p1	-49.0	-40.4	-1584.0	-4665.5	-791.4	-2460.3	-770.2	-2178.6	-791.8	-2462.6	-770.8	-2183.8
clmim-ntf2-p1	-80.7	-66.9	-3266.7	-9095.7	-791.0	-2459.5	-2441.5	-6589.8	-791.5	-2463.2	-2442.6	-6598.3
clmim-ntf2-p2	-45.4	-34.2	-3251.7	-9074.9	-791.3	-2461.4	-2440.6	-6587.9	-791.6	-2463.8	-2441.7	-6595.2
clmim-ntf2-p3	-49.9	-38.6	-3254.7	-9076.9	-791.0	-2460.4	-2441.4	-6588.9	-791.4	-2463.2	-2442.4	-6595.9
clmim-pf6-p1	-40.5	-32.5	-2037.7	-5855.2	-790.9	-2459.5	-1229.7	-3372.3	-791.3	-2461.6	-1230.3	-3377.3
clmim-tos-p1	-47.7	-38.5	-2238.2	-6516.0	-791.1	-2459.9	-1425.5	-4029.9	-791.5	-2462.6	-1426.2	-4035.4
clmpyr-bf4-p1	-36.9	-29.4	-1569.1	-4821.6	-749.8	-2575.9	-803.3	-2224.7	-750.0	-2577.5	-804.0	-2229.9
clmpyr-bf4-p2	-33.9	-26.9	-1567.8	-4820.1	-749.9	-2576.1	-803.3	-2224.7	-750.1	-2577.4	-803.9	-2229.6
clmpyr-br-p1	-61.0	-42.8	-962.7	-3058.8	-750.5	-2577.0	-186.0	-447.0	-750.6	-2577.6	-190.5	-460.1
clmpyr-br-p2	-57.9	-40.6	-961.3	-3057.3	-750.5	-2577.2	-186.0	-447.0	-750.6	-2577.7	-190.3	-459.5
clmpyr-cl-p1	-44.0	-37.2	-907.1	-3010.6	-750.6	-2577.1	-136.8	-409.3	-750.6	-2577.7	-137.3	-414.9
clmpyr-cl-p2	-42.5	-36.0	-906.4	-3010.0	-750.5	-2577.3	-136.8	-409.3	-750.6	-2577.8	-137.3	-414.8
clmpyr-dca-p1	-46.6	-40.6	-1399.2	-4333.0	-750.4	-2576.7	-627.3	-1731.2	-750.6	-2578.2	-627.7	-1735.1
clmpyr-dca-p2	-50.7	-44.5	-1400.4	-4335.7	-750.2	-2576.4	-627.2	-1731.6	-750.4	-2577.9	-627.7	-1735.6
clmpyr-dca-p3	-47.8	-41.0	-1397.4	-4335.8	-749.9	-2576.1	-627.2	-1732.2	-750.1	-2577.6	-627.8	-1736.7
clmpyr-dca-p4	-49.1	-42.8	-1399.3	-4334.6	-749.9	-2576.1	-627.3	-1731.6	-750.1	-2577.6	-627.8	-1735.6
clmpyr-mes-p1	-44.8	-35.8	-1540.5	-4780.3	-749.8	-2576.2	-770.2	-2179.8	-750.1	-2578.0	-771.0	-2186.0
clmpyr-mes-p2	-39.2	-31.1	-1538.3	-4777.6	-750.0	-2576.6	-770.2	-2179.8	-750.2	-2578.2	-770.9	-2185.5
clmpyr-ntf2-p1	-56.3	-44.4	-3213.3	-9197.6	-750.1	-2576.0	-2439.8	-6588.7	-750.4	-2578.1	-2441.0	-6597.0
clmpyr-ntf2-p2	-44.1	-33.8	-3208.5	-9188.8	-749.9	-2575.7	-2439.8	-6587.8	-750.1	-2577.7	-2440.8	-6594.9
clmpyr-ntf2-p3	-54.5	-42.8	-3212.5	-9196.4	-750.1	-2576.1	-2439.7	-6588.4	-750.4	-2578.2	-2440.9	-6596.6
clmpyr-ntf2-p5	-45.2	-35.0	-3209.2	-9189.2	-750.1	-2576.0	-2439.7	-6587.5	-750.3	-2577.9	-2440.6	-6594.5
clmpyr-pf6-p1	-38.1	-29.6	-1995.6	-5970.5	-749.8	-2575.8	-1229.8	-3372.7	-750.0	-2577.4	-1230.5	-3378.7
clmpyr-pf6-p2	-35.1	-27.2	-1994.4	-5969.1	-749.9	-2576.0	-1229.8	-3372.8	-750.1	-2577.3	-1230.5	-3378.5
clmpyr-tos-p1	-43.2	-33.7	-2194.8	-6630.5	-749.8	-2576.2	-1425.1	-4030.8	-750.1	-2578.2	-1425.9	-4037.3
clmpyr-tos-p2	-37.7	-29.0	-2192.1	-6627.8	-750.0	-2576.4	-1425.0	-4030.8	-750.2	-2578.0	-1425.8	-4036.8

c2mim-bf4-p1	-39.7	-31.8	-1718.2	-5070.3	-897.4	-2821.3	-803.8	-2226.3	-897.7	-2823.5	-804.3	-2231.1
c2mim-bf4-p2	-36.8	-29.5	-1716.4	-5068.2	-896.9	-2820.6	-803.8	-2226.4	-897.3	-2822.7	-804.3	-2230.7
c2mim-br-p1	-61.2	-43.9	-1111.8	-3310.3	-898.9	-2828.9	-186.0	-447.0	-899.1	-2829.8	-190.3	-459.1
c2mim-br-p2	-46.2	-29.4	-1106.4	-3303.9	-899.9	-2831.1	-186.0	-447.0	-900.0	-2831.8	-190.0	-459.1
c2mim-br-p3	-46.4	-29.9	-1105.8	-3302.8	-899.2	-2830.0	-186.0	-447.0	-899.3	-2830.7	-190.0	-458.7
c2mim-br-p4	-60.4	-43.9	-1112.3	-3310.9	-899.6	-2830.0	-186.0	-447.0	-899.8	-2830.9	-190.1	-458.4
c2mim-cl-p1	-43.2	-36.5	-1055.3	-3261.6	-898.9	-2828.8	-136.8	-409.3	-899.0	-2829.7	-137.3	-414.5
c2mim-cl-p2	-32.7	-25.5	-1052.6	-3258.1	-900.2	-2831.7	-136.8	-409.3	-900.3	-2832.4	-137.3	-415.2
c2mim-cl-p3	-33.0	-26.2	-1052.0	-3257.1	-899.4	-2830.5	-136.8	-409.3	-899.5	-2831.2	-137.3	-414.8
c2mim-cl-p4	-42.3	-35.8	-1055.5	-3261.9	-899.4	-2829.6	-136.8	-409.3	-899.5	-2830.6	-137.3	-414.2
c2mim-dca-p1	-69.2	-61.1	-1561.3	-4606.7	-897.3	-2821.7	-633.2	-1746.6	-897.7	-2824.2	-633.8	-1751.3
c2mim-dca-p2	-64.9	-57.3	-1559.9	-4604.0	-897.5	-2821.8	-633.3	-1746.4	-897.8	-2824.1	-633.8	-1750.8
c2mim-dca-p3	-69.3	-61.4	-1562.5	-4607.2	-898.1	-2822.5	-633.4	-1746.4	-898.4	-2824.9	-634.0	-1750.9
c2mim-dca-p4	-66.0	-58.4	-1560.1	-4604.5	-897.4	-2821.7	-633.3	-1746.3	-897.7	-2824.1	-633.8	-1750.6
c2mim-dca-p5	-67.4	-59.9	-1560.9	-4605.3	-897.4	-2821.8	-633.4	-1746.2	-897.7	-2824.2	-633.9	-1750.5
c2mim-dca-p6	-67.7	-60.2	-1560.7	-4605.4	-897.3	-2821.4	-633.4	-1746.3	-897.6	-2823.8	-633.9	-1750.5
c2mim-mes-p1	-55.2	-45.5	-1693.4	-5031.2	-898.2	-2822.6	-770.2	-2178.5	-898.6	-2825.1	-770.9	-2184.6
c2mim-mes-p2	-49.9	-40.8	-1690.1	-5027.3	-897.3	-2821.3	-770.2	-2178.6	-897.7	-2823.8	-770.9	-2184.2
c2mim-ntf2-p1	-88.5	-72.7	-3376.4	-9462.3	-897.5	-2821.5	-2441.5	-6589.8	-898.1	-2825.4	-2442.8	-6599.8
c2mim-ntf2-p2	-57.6	-44.2	-3363.4	-9445.0	-897.7	-2823.2	-2441.0	-6588.9	-898.2	-2826.0	-2442.2	-6597.8
c2mim-ntf2-p3	-54.0	-41.5	-3362.7	-9440.8	-897.3	-2822.0	-2441.5	-6588.8	-897.7	-2825.0	-2442.5	-6596.7
c2mim-ntf2-p4	-77.5	-63.5	-3372.2	-9456.0	-897.4	-2821.4	-2441.8	-6590.1	-897.9	-2825.1	-2443.0	-6598.8
c2mim-pf6-p1	-45.2	-35.9	-2146.0	-6219.6	-897.3	-2821.2	-1229.7	-3372.3	-897.6	-2823.5	-1230.4	-3378.2
c2mim-pf6-p2	-41.0	-32.6	-2143.7	-6216.7	-896.9	-2820.6	-1229.7	-3372.3	-897.2	-2822.8	-1230.3	-3377.5
c2mim-tos-p1	-55.8	-45.2	-2348.6	-6882.8	-898.0	-2822.3	-1425.5	-4029.8	-898.4	-2825.2	-1426.3	-4036.2
c2mim-tos-p2	-49.2	-39.4	-2345.0	-6878.3	-897.3	-2821.3	-1425.5	-4029.9	-897.7	-2824.1	-1426.3	-4035.7
c2mpyr-bf4-p1	-37.8	-29.8	-1677.5	-5187.0	-858.0	-2940.7	-803.3	-2224.7	-858.2	-2942.4	-804.0	-2230.1
c2mpyr-bf4-p2	-35.2	-27.9	-1677.0	-5186.0	-858.5	-2941.2	-803.3	-2224.8	-858.7	-2942.8	-803.9	-2229.7
c2mpyr-bf4-p3	-34.9	-27.5	-1676.4	-5185.7	-858.1	-2941.0	-803.3	-2224.7	-858.3	-2942.4	-804.0	-2229.9
c2mpyr-br-p1	-62.7	-43.7	-1071.5	-3424.7	-858.7	-2941.8	-186.0	-447.0	-858.7	-2942.4	-190.7	-460.6
c2mpyr-br-p2	-60.5	-42.1	-1070.5	-3424.0	-858.6	-2942.3	-186.0	-447.0	-858.7	-2942.9	-190.6	-460.3
c2mpyr-br-p3	-59.5	-41.5	-1070.0	-3423.0	-858.6	-2941.9	-186.0	-447.0	-858.6	-2942.4	-190.4	-460.0
c2mpyr-cl-p1	-44.8	-37.7	-1015.5	-3376.0	-858.7	-2941.8	-136.8	-409.3	-858.8	-2942.5	-137.3	-415.2
c2mpyr-cl-p2	-43.5	-36.6	-1014.7	-3375.5	-858.5	-2942.1	-136.8	-409.3	-858.5	-2942.7	-137.3	-415.0
c2mpyr-cl-p3	-43.1	-36.3	-1014.7	-3375.2	-858.7	-2942.0	-136.8	-409.3	-858.8	-2942.6	-137.3	-415.0
c2mpyr-dca-p1	-46.9	-40.7	-1507.4	-4698.0	-858.5	-2941.4	-627.3	-1731.3	-858.7	-2943.0	-627.8	-1735.3
c2mpyr-dca-p2	-50.8	-44.1	-1508.5	-4700.5	-858.1	-2941.1	-627.3	-1731.6	-858.4	-2942.7	-627.9	-1735.9
c2mpyr-dca-p3	-51.3	-44.8	-1508.6	-4700.9	-858.2	-2941.1	-627.3	-1731.6	-858.4	-2942.7	-627.8	-1735.8
c2mpyr-mes-p1	-46.5	-36.9	-1649.3	-5146.4	-858.0	-2941.1	-770.2	-2179.8	-858.3	-2943.0	-771.0	-2186.4

c2mpyr-mes-p2	-42.7	-33.8	-1648.2	-5144.9	-858.7	-2941.6	-770.2	-2179.9	-858.9	-2943.4	-771.0	-2186.0
c2mpyr-mes-p3	-41.2	-32.5	-1647.1	-5143.8	-858.2	-2941.5	-770.2	-2179.8	-858.4	-2943.2	-771.0	-2185.9
c2mpyr-ntf2-p1	-58.2	-45.6	-3322.4	-9563.7	-858.3	-2940.7	-2440.0	-6588.9	-858.7	-2943.1	-2441.2	-6597.5
c2mpyr-ntf2-p2	-46.9	-35.8	-3317.7	-9555.4	-858.0	-2940.5	-2439.8	-6587.9	-858.3	-2942.7	-2440.8	-6595.5
c2mpyr-ntf2-p3	-56.7	-44.4	-3321.6	-9562.6	-858.1	-2940.8	-2439.9	-6588.7	-858.5	-2943.0	-2441.1	-6597.2
c2mpyr-ntf2-p4	-55.5	-43.4	-3321.0	-9562.1	-858.1	-2940.8	-2439.9	-6588.8	-858.4	-2943.0	-2441.1	-6597.2
c2mpyr-ntf2-p5	-48.4	-37.4	-3318.2	-9555.9	-857.8	-2940.5	-2439.7	-6587.7	-858.1	-2942.7	-2440.7	-6595.2
c2mpyr-ntf2-p6	-45.7	-35.2	-3317.6	-9554.8	-858.2	-2940.8	-2439.8	-6587.9	-858.5	-2942.8	-2440.8	-6595.1
c2mpyr-pf6-p1	-38.6	-29.8	-2104.2	-6335.9	-858.2	-2940.9	-1229.8	-3372.7	-858.4	-2942.6	-1230.5	-3378.8
c2mpyr-pf6-p2	-36.5	-28.2	-2103.4	-6334.8	-858.2	-2940.9	-1229.8	-3372.8	-858.4	-2942.4	-1230.5	-3378.6
c2mpyr-pf6-p3	-36.0	-27.7	-2102.9	-6334.6	-858.1	-2940.8	-1229.8	-3372.8	-858.3	-2942.2	-1230.6	-3378.7
c2mpyr-tos-p1	-45.2	-35.0	-2303.6	-6996.6	-858.0	-2941.1	-1425.1	-4030.8	-858.3	-2943.2	-1426.0	-4037.7
c2mpyr-tos-p2	-41.5	-32.1	-2302.5	-6995.2	-858.6	-2941.6	-1425.1	-4030.9	-858.9	-2943.5	-1425.9	-4037.2
c3mim-bf4-p1	-40.8	-32.5	-1823.6	-5431.7	-1002.4	-3182.0	-803.8	-2226.4	-1002.8	-3184.3	-804.4	-2231.4
c3mim-bf4-p2	-39.6	-31.7	-1823.1	-5431.1	-1002.4	-3182.0	-803.8	-2226.4	-1002.8	-3184.2	-804.3	-2231.2
c3mim-br-p1	-62.5	-44.5	-1217.3	-3672.5	-1004.0	-3190.2	-186.0	-447.0	-1004.2	-3191.1	-190.5	-459.5
c3mim-br-p2	-47.1	-29.7	-1211.5	-3665.6	-1004.8	-3192.2	-186.0	-447.0	-1004.9	-3192.9	-190.1	-459.5
c3mim-br-p3	-52.1	-34.1	-1213.5	-3667.4	-1004.4	-3191.4	-186.0	-447.0	-1004.5	-3192.1	-190.4	-459.8
c3mim-br-p4	-63.0	-45.2	-1218.0	-3673.3	-1004.3	-3190.9	-186.0	-447.0	-1004.5	-3191.9	-190.4	-459.3
c3mim-cl-p1	-43.9	-36.9	-1160.6	-3623.2	-1003.9	-3189.9	-136.8	-409.3	-1004.1	-3190.9	-137.3	-414.7
c3mim-cl-p2	-33.0	-25.6	-1157.5	-3619.4	-1005.0	-3192.8	-136.8	-409.3	-1005.1	-3193.5	-137.3	-415.3
c3mim-cl-p3	-36.6	-29.4	-1158.7	-3620.3	-1004.6	-3191.8	-136.8	-409.3	-1004.7	-3192.6	-137.3	-415.1
c3mim-cl-p4	-43.5	-36.7	-1160.7	-3623.6	-1004.1	-3190.5	-136.8	-409.3	-1004.3	-3191.5	-137.3	-414.5
c3mim-dca-p1	-70.5	-62.0	-1666.8	-4968.1	-1002.3	-3182.2	-633.3	-1746.6	-1002.7	-3184.8	-633.9	-1751.5
c3mim-dca-p2	-71.8	-63.4	-1667.7	-4969.4	-1002.7	-3182.9	-633.3	-1746.5	-1003.1	-3185.5	-633.9	-1751.3
c3mim-dca-p3	-61.2	-53.0	-1663.2	-4964.1	-1002.8	-3183.8	-633.1	-1746.5	-1003.1	-3185.9	-633.7	-1751.6
c3mim-dca-p4	-73.1	-64.5	-1668.5	-4969.2	-1002.5	-3182.4	-633.3	-1746.3	-1002.9	-3185.0	-633.9	-1751.3
c3mim-dca-p5	-69.3	-61.3	-1665.7	-4966.7	-1001.9	-3181.7	-633.2	-1746.3	-1002.3	-3184.2	-633.7	-1750.8
c3mim-dca-p6	-67.9	-60.4	-1665.4	-4966.0	-1002.0	-3181.7	-633.4	-1746.4	-1002.3	-3184.1	-633.9	-1750.6
c3mim-mes-p1	-58.2	-47.7	-1799.9	-5393.9	-1003.3	-3183.6	-770.2	-2178.5	-1003.7	-3186.2	-771.0	-2185.1
c3mim-mes-p2	-50.6	-41.2	-1795.1	-5388.1	-1002.1	-3181.6	-770.2	-2178.7	-1002.5	-3184.2	-770.9	-2184.4
c3mim-ntf2-p1	-92.9	-75.8	-3483.2	-9825.7	-1002.5	-3182.1	-2441.5	-6589.9	-1003.1	-3186.3	-2443.0	-6600.7
c3mim-ntf2-p2	-62.7	-48.2	-3470.5	-9808.5	-1002.7	-3183.7	-2441.0	-6588.9	-1003.2	-3186.7	-2442.3	-6598.5
c3mim-ntf2-p3	-56.3	-43.1	-3468.6	-9802.9	-1002.2	-3182.6	-2441.5	-6588.8	-1002.7	-3185.8	-2442.6	-6597.3
c3mim-ntf2-p4	-79.2	-65.0	-3477.3	-9817.3	-1002.0	-3181.3	-2441.7	-6590.2	-1002.6	-3185.0	-2442.9	-6599.0
c3mim-pf6-p1	-46.2	-36.9	-2251.0	-6580.6	-1002.2	-3181.6	-1229.6	-3372.1	-1002.5	-3184.0	-1230.3	-3377.9
c3mim-pf6-p2	-41.3	-32.7	-2248.5	-6577.3	-1001.7	-3180.9	-1229.7	-3372.3	-1002.1	-3183.2	-1230.3	-3377.7
c3mim-tos-p1	-59.5	-48.0	-2455.3	-7245.8	-1003.1	-3183.2	-1425.5	-4029.8	-1003.6	-3186.3	-1426.4	-4036.9
c3mim-tos-p2	-56.3	-45.3	-2453.5	-7243.7	-1002.8	-3182.7	-1425.5	-4029.9	-1003.3	-3185.7	-1426.4	-4036.5

c3mpyr-bf4-p1	-38.4	-30.2	-1782.7	-5548.8	-962.9	-3302.1	-803.3	-2224.7	-963.2	-3303.9	-804.0	-2230.3
c3mpyr-bf4-p2	-35.6	-28.0	-1781.9	-5547.5	-963.3	-3302.4	-803.3	-2224.8	-963.5	-3304.0	-804.0	-2229.9
c3mpyr-bf4-p3	-35.5	-27.8	-1781.4	-5547.4	-963.0	-3302.3	-803.3	-2224.7	-963.2	-3303.9	-804.0	-2230.0
c3mpyr-br-p1	-64.1	-44.5	-1177.0	-3787.0	-963.6	-3303.2	-186.0	-447.0	-963.7	-3303.8	-190.8	-461.1
c3mpyr-br-p2	-60.5	-41.9	-1175.3	-3785.0	-963.5	-3303.2	-186.0	-447.0	-963.6	-3303.9	-190.6	-460.4
c3mpyr-br-p3	-60.8	-42.2	-1175.5	-3785.3	-963.5	-3303.3	-186.0	-447.0	-963.6	-3303.9	-190.6	-460.4
c3mpyr-cl-p1	-45.4	-38.1	-1120.6	-3737.8	-963.7	-3303.2	-136.8	-409.3	-963.7	-3303.9	-137.3	-415.3
c3mpyr-cl-p2	-43.9	-36.8	-1119.8	-3737.0	-963.4	-3303.4	-136.8	-409.3	-963.5	-3304.0	-137.3	-415.1
c3mpyr-cl-p3	-43.6	-36.6	-1119.8	-3736.9	-963.6	-3303.4	-136.8	-409.3	-963.7	-3304.0	-137.3	-415.1
c3mpyr-dca-p1	-48.4	-41.9	-1612.7	-5060.2	-963.2	-3302.5	-627.4	-1731.5	-963.4	-3304.2	-627.8	-1735.6
c3mpyr-dca-p2	-50.9	-44.1	-1613.4	-5061.9	-963.1	-3302.5	-627.3	-1731.6	-963.3	-3304.1	-627.9	-1736.0
c3mpyr-dca-p3	-46.8	-39.9	-1610.3	-5062.0	-963.2	-3302.5	-627.4	-1732.5	-963.4	-3304.1	-628.0	-1737.0
c3mpyr-dca-p4	-49.4	-42.9	-1612.7	-5061.3	-963.3	-3302.6	-627.2	-1731.5	-963.5	-3304.2	-627.7	-1735.7
c3mpyr-dca-p5	-51.4	-44.8	-1613.5	-5062.3	-963.1	-3302.5	-627.3	-1731.6	-963.3	-3304.1	-627.8	-1735.8
c3mpyr-mes-p1	-47.6	-37.7	-1754.6	-5508.5	-962.9	-3302.4	-770.2	-2179.8	-963.2	-3304.4	-771.0	-2186.6
c3mpyr-mes-p2	-43.2	-34.0	-1753.2	-5506.6	-963.6	-3302.9	-770.2	-2179.9	-963.8	-3304.7	-771.0	-2186.2
c3mpyr-mes-p3	-42.4	-33.3	-1752.5	-5505.9	-963.1	-3302.8	-770.2	-2179.8	-963.4	-3304.7	-771.0	-2186.1
c3mpyr-ntf2-p1	-60.8	-47.5	-3428.4	-9926.8	-963.3	-3302.3	-2440.0	-6588.8	-963.7	-3304.8	-2441.2	-6598.0
c3mpyr-ntf2-p2	-46.9	-35.7	-3422.9	-9916.6	-963.0	-3302.0	-2439.8	-6587.8	-963.3	-3304.2	-2440.8	-6595.5
c3mpyr-ntf2-p3	-57.3	-44.6	-3426.7	-9924.4	-963.0	-3302.1	-2439.9	-6588.8	-963.3	-3304.4	-2441.2	-6597.5
c3mpyr-ntf2-p4	-58.2	-45.4	-3427.0	-9924.9	-963.1	-3302.2	-2439.9	-6588.6	-963.4	-3304.6	-2441.1	-6597.5
c3mpyr-ntf2-p5	-48.6	-37.3	-3423.1	-9917.4	-962.7	-3301.8	-2439.7	-6587.7	-963.1	-3304.1	-2440.7	-6595.3
c3mpyr-ntf2-p6	-47.8	-36.7	-3423.3	-9917.4	-963.1	-3302.2	-2439.8	-6587.8	-963.4	-3304.3	-2440.8	-6595.4
c3mpyr-pf6-p1	-40.2	-30.9	-2209.4	-6698.1	-962.8	-3302.0	-1229.8	-3372.7	-963.1	-3303.7	-1230.6	-3379.2
c3mpyr-pf6-p2	-36.6	-28.1	-2208.2	-6696.2	-963.1	-3302.2	-1229.8	-3372.7	-963.3	-3303.8	-1230.5	-3378.7
c3mpyr-pf6-p3	-36.8	-28.2	-2208.0	-6696.5	-962.9	-3302.1	-1229.8	-3372.8	-963.2	-3303.6	-1230.6	-3378.9
c3mpyr-tos-p1	-46.5	-35.9	-2408.9	-7358.9	-962.9	-3302.4	-1425.1	-4030.8	-963.2	-3304.6	-1426.0	-4038.0
c3mpyr-tos-p2	-42.0	-32.3	-2407.5	-7356.9	-963.5	-3302.9	-1425.1	-4030.9	-963.8	-3304.9	-1425.9	-4037.4
c4mim-bf4-p1	-41.5	-32.9	-1928.8	-5792.8	-1107.3	-3542.7	-803.8	-2226.3	-1107.7	-3544.9	-804.4	-2231.6
c4mim-bf4-p2	-39.9	-31.8	-1928.0	-5791.8	-1107.3	-3542.5	-803.8	-2226.4	-1107.6	-3544.7	-804.4	-2231.3
c4mim-br-p1	-64.1	-45.4	-1322.8	-4034.6	-1108.9	-3551.4	-186.0	-447.0	-1109.0	-3552.4	-190.6	-460.0
c4mim-br-p2	-48.6	-30.7	-1317.0	-4027.7	-1109.7	-3553.4	-186.0	-447.0	-1109.8	-3554.1	-190.3	-459.9
c4mim-br-p3	-54.7	-35.8	-1319.5	-4030.2	-1109.3	-3552.6	-186.0	-447.0	-1109.4	-3553.4	-190.7	-460.4
c4mim-br-p4	-64.1	-45.7	-1323.2	-4035.0	-1109.1	-3551.9	-186.0	-447.0	-1109.3	-3552.9	-190.6	-459.7
c4mim-cl-p1	-44.7	-37.5	-1265.7	-3984.9	-1108.7	-3551.1	-136.8	-409.3	-1108.9	-3552.1	-137.3	-414.8
c4mim-cl-p2	-33.7	-26.2	-1262.7	-3981.0	-1109.9	-3554.0	-136.8	-409.3	-1110.0	-3554.7	-137.4	-415.4
c4mim-cl-p3	-38.1	-30.6	-1264.2	-3982.4	-1109.4	-3553.0	-136.8	-409.3	-1109.5	-3553.8	-137.3	-415.3
c4mim-cl-p4	-44.0	-37.1	-1265.6	-3985.0	-1108.9	-3551.6	-136.8	-409.3	-1109.1	-3552.6	-137.3	-414.6
c4mim-dca-p1	-71.4	-62.6	-1772.0	-5329.3	-1107.2	-3542.8	-633.3	-1746.7	-1107.6	-3545.4	-633.9	-1751.7

c4mim-dca-p2	-75.0	-66.0	-1774.2	-5331.0	-1107.4	-3543.1	-633.3	-1746.3	-1107.8	-3545.8	-634.0	-1751.6
c4mim-dca-p3	-69.6	-61.6	-1770.6	-5327.5	-1106.7	-3542.2	-633.2	-1746.4	-1107.1	-3544.7	-633.7	-1750.9
c4mim-mes-p1	-59.7	-48.8	-1905.4	-5755.4	-1108.2	-3544.1	-770.2	-2178.6	-1108.6	-3546.9	-771.1	-2185.4
c4mim-mes-p2	-50.8	-41.3	-1899.8	-5748.7	-1106.9	-3542.0	-770.2	-2178.7	-1107.3	-3544.6	-770.9	-2184.5
c4mim-pf6-p1	-48.7	-38.4	-2357.4	-6943.2	-1107.3	-3542.7	-1229.7	-3372.3	-1107.6	-3545.1	-1230.5	-3379.0
c4mim-pf6-p2	-41.4	-32.7	-2353.3	-6937.9	-1106.5	-3541.4	-1229.7	-3372.3	-1106.9	-3543.6	-1230.3	-3377.7
c4mim-tos-p1	-62.2	-50.0	-2561.3	-7608.1	-1108.0	-3543.9	-1425.5	-4029.8	-1108.5	-3547.1	-1426.5	-4037.3
c4mim-tos-p2	-57.3	-46.3	-2559.3	-7605.1	-1108.0	-3543.7	-1425.5	-4029.9	-1108.4	-3546.7	-1426.4	-4036.6
c4mpyr-bf4-p1	-38.6	-30.3	-1887.5	-5909.9	-1067.7	-3663.0	-803.3	-2224.7	-1067.9	-3664.8	-804.0	-2230.4
c4mpyr-bf4-p2	-35.8	-28.2	-1886.7	-5908.6	-1068.0	-3663.3	-803.3	-2224.8	-1068.2	-3664.9	-804.0	-2230.0
c4mpyr-bf4-p3	-35.8	-28.0	-1886.3	-5908.6	-1067.8	-3663.2	-803.3	-2224.8	-1068.0	-3664.8	-804.0	-2230.1
c4mpyr-br-p1	-64.6	-44.7	-1281.9	-4148.2	-1068.4	-3664.0	-186.0	-447.0	-1068.5	-3664.7	-190.9	-461.3
c4mpyr-br-p2	-61.2	-42.1	-1280.2	-4146.4	-1068.2	-3664.1	-186.0	-447.0	-1068.3	-3664.8	-190.7	-460.7
c4mpyr-br-p3	-61.4	-42.5	-1280.4	-4146.5	-1068.3	-3664.2	-186.0	-447.0	-1068.4	-3664.8	-190.7	-460.6
c4mpyr-cl-p1	-45.5	-38.1	-1225.3	-4098.7	-1068.4	-3664.1	-136.8	-409.3	-1068.5	-3664.7	-137.4	-415.3
c4mpyr-cl-p2	-44.6	-37.3	-1224.8	-4098.5	-1068.2	-3664.4	-136.8	-409.3	-1068.3	-3665.1	-137.3	-415.3
c4mpyr-cl-p3	-43.6	-36.6	-1224.5	-4097.9	-1068.4	-3664.2	-136.8	-409.3	-1068.4	-3664.8	-137.3	-415.1
c4mpyr-dca-p1	-48.9	-42.0	-1716.6	-5422.2	-1067.9	-3663.1	-627.3	-1731.7	-1068.1	-3664.8	-627.8	-1736.1
c4mpyr-dca-p2	-50.9	-44.0	-1718.2	-5423.0	-1067.9	-3663.4	-627.3	-1731.6	-1068.1	-3665.1	-627.9	-1736.1
c4mpyr-dca-p3	-49.4	-42.7	-1717.7	-5421.7	-1067.9	-3663.3	-627.3	-1731.5	-1068.1	-3665.0	-627.8	-1735.7
c4mpyr-dca-p4	-50.5	-43.4	-1717.5	-5423.0	-1067.8	-3663.4	-627.3	-1731.6	-1068.1	-3665.1	-627.8	-1736.1
c4mpyr-dca-p5	-51.6	-44.9	-1718.3	-5423.4	-1067.9	-3663.3	-627.3	-1731.6	-1068.1	-3665.0	-627.8	-1735.9
c4mpyr-mes-p1	-47.8	-37.7	-1859.3	-5869.5	-1067.7	-3663.3	-770.2	-2179.8	-1068.0	-3665.3	-771.1	-2186.7
c4mpyr-mes-p2	-43.8	-34.5	-1858.2	-5867.9	-1068.3	-3663.9	-770.2	-2179.9	-1068.6	-3665.7	-771.0	-2186.3
c4mpyr-mes-p3	-42.8	-33.5	-1857.4	-5867.1	-1067.9	-3663.8	-770.2	-2179.8	-1068.2	-3665.6	-771.0	-2186.2
c4mpyr-ntf2-p1	-61.1	-47.5	-3533.1	-10287.9	-1068.0	-3663.1	-2439.9	-6588.8	-1068.4	-3665.7	-2441.3	-6598.1
c4mpyr-ntf2-p2	-52.7	-40.2	-3529.7	-10280.7	-1067.7	-3662.8	-2439.7	-6587.4	-1068.0	-3665.3	-2440.8	-6596.0
c4mpyr-ntf2-p3	-58.8	-45.8	-3532.1	-10286.3	-1067.7	-3663.1	-2439.9	-6588.8	-1068.1	-3665.5	-2441.2	-6597.8
c4mpyr-ntf2-p4	-59.6	-46.3	-3532.3	-10286.8	-1067.8	-3663.1	-2439.9	-6588.7	-1068.2	-3665.5	-2441.2	-6597.9
c4mpyr-ntf2-p5	-49.4	-37.9	-3528.1	-10278.9	-1067.5	-3662.8	-2439.7	-6587.6	-1067.8	-3665.1	-2440.7	-6595.5
c4mpyr-ntf2-p6	-49.7	-38.1	-3528.8	-10279.4	-1067.9	-3663.1	-2439.8	-6587.7	-1068.2	-3665.3	-2440.8	-6595.7
c4mpyr-pf6-p1	-40.5	-30.9	-2314.2	-7059.3	-1067.6	-3662.9	-1229.8	-3372.7	-1067.9	-3664.6	-1230.6	-3379.4
c4mpyr-pf6-p2	-37.2	-28.5	-2313.2	-7057.6	-1067.9	-3663.1	-1229.8	-3372.7	-1068.1	-3664.7	-1230.6	-3378.9
c4mpyr-pf6-p3	-37.2	-28.4	-2312.9	-7057.7	-1067.7	-3663.1	-1229.8	-3372.8	-1067.9	-3664.6	-1230.6	-3379.1
c4mpyr-tos-p1	-46.9	-36.1	-2513.8	-7720.1	-1067.8	-3663.4	-1425.1	-4030.8	-1068.1	-3665.6	-1426.0	-4038.1
c4mpyr-tos-p2	-42.8	-32.9	-2512.6	-7718.4	-1068.3	-3663.8	-1425.1	-4030.8	-1068.6	-3665.9	-1426.0	-4037.6

2.3 CBS extrapolated MP2

2.3.1 D→T

Table S 20: Raw CBS (D→T) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-37.1	-29.6	-1707.0	-5035.3	-830.8	-2615.0	-859.4	-2400.0	-831.0	-2616.0	-861.3	-2404.4
clmim-br-p1	-53.3	-43.9	-1067.1	-3154.2	-832.5	-2621.9	-209.5	-504.1	-832.6	-2622.4	-212.2	-510.2
clmim-br-p2	-37.4	-28.8	-1059.7	-3145.1	-832.3	-2621.6	-209.5	-504.1	-832.3	-2621.9	-211.8	-510.0
clmim-cl-p1	-43.1	-36.6	-996.4	-3086.8	-832.4	-2621.6	-143.7	-442.5	-832.4	-2622.0	-145.2	-447.0
clmim-cl-p2	-33.4	-27.5	-992.7	-3081.6	-832.5	-2622.1	-143.7	-442.5	-832.5	-2622.4	-144.9	-446.9
clmim-dca-p1	-65.3	-60.1	-1524.0	-4499.8	-831.3	-2616.2	-662.1	-1848.9	-831.3	-2617.1	-663.3	-1852.1
clmim-dca-p2	-49.2	-44.7	-1516.6	-4491.9	-831.3	-2617.2	-661.8	-1848.9	-831.4	-2617.7	-662.7	-1851.9
clmim-mes-p1	-50.5	-41.0	-1665.0	-4962.3	-831.3	-2615.9	-809.4	-2320.2	-831.4	-2616.7	-812.1	-2326.0
clmim-ntf2-p1	-76.8	-67.2	-3452.5	-9713.9	-830.8	-2615.1	-2586.4	-7057.3	-831.0	-2616.5	-2588.7	-7062.9
clmim-ntf2-p2	-43.8	-36.8	-3437.7	-9695.0	-831.1	-2616.7	-2585.6	-7055.6	-831.1	-2617.3	-2587.3	-7060.2
clmim-ntf2-p3	-46.8	-39.8	-3440.3	-9695.9	-830.8	-2615.8	-2586.4	-7056.3	-831.0	-2616.8	-2588.1	-7060.5
clmim-pf6-p1	-40.5	-32.0	-2162.1	-6267.8	-830.8	-2615.1	-1312.9	-3630.7	-830.9	-2616.0	-1315.4	-3635.7
clmim-tos-p1	-47.5	-38.9	-2348.1	-6924.0	-830.9	-2615.6	-1494.2	-4283.9	-831.1	-2616.4	-1496.6	-4289.2
clmpyr-bf4-p1	-37.8	-30.5	-1664.0	-5154.1	-787.3	-2735.4	-859.0	-2398.5	-787.4	-2736.0	-861.0	-2403.1
clmpyr-bf4-p2	-35.0	-28.3	-1662.7	-5152.8	-787.5	-2735.6	-859.0	-2398.5	-787.5	-2736.0	-860.9	-2402.8
clmpyr-br-p1	-55.0	-45.6	-1023.1	-3269.9	-788.0	-2736.4	-209.5	-504.1	-788.0	-2736.6	-212.2	-510.5
clmpyr-br-p2	-52.3	-43.5	-1021.7	-3268.7	-788.0	-2736.6	-209.5	-504.1	-788.0	-2736.7	-212.0	-510.1
clmpyr-cl-p1	-47.3	-40.8	-953.9	-3204.1	-788.1	-2736.4	-143.7	-442.5	-788.1	-2736.6	-145.3	-447.2
clmpyr-cl-p2	-46.0	-39.8	-953.2	-3203.6	-788.0	-2736.6	-143.7	-442.5	-788.0	-2736.7	-145.2	-447.0
clmpyr-dca-p1	-45.9	-41.6	-1466.8	-4594.4	-787.9	-2736.1	-656.5	-1834.8	-787.9	-2736.5	-657.6	-1837.6
clmpyr-dca-p2	-49.1	-45.2	-1467.7	-4596.5	-787.7	-2735.9	-656.4	-1835.1	-787.7	-2736.3	-657.4	-1837.6
clmpyr-dca-p3	-46.8	-42.6	-1464.9	-4596.9	-787.4	-2735.6	-656.4	-1835.7	-787.4	-2736.1	-657.2	-1838.4
clmpyr-dca-p4	-47.8	-43.7	-1466.8	-4595.6	-787.4	-2735.6	-656.4	-1835.1	-787.4	-2736.1	-657.5	-1837.7
clmpyr-mes-p1	-47.0	-38.2	-1619.6	-5080.8	-787.3	-2735.7	-809.3	-2321.1	-787.4	-2736.2	-811.8	-2326.8
clmpyr-mes-p2	-41.8	-34.1	-1617.3	-5078.4	-787.5	-2736.0	-809.3	-2321.1	-787.5	-2736.3	-811.5	-2326.3
clmpyr-ntf2-p1	-52.6	-45.9	-3396.7	-9820.0	-787.7	-2735.5	-2584.7	-7056.2	-787.7	-2736.2	-2586.5	-7060.4
clmpyr-ntf2-p2	-40.3	-34.9	-3391.5	-9811.2	-787.4	-2735.3	-2584.6	-7055.1	-787.5	-2735.8	-2586.0	-7058.4
clmpyr-ntf2-p3	-51.4	-44.8	-3396.1	-9819.1	-787.6	-2735.6	-2584.6	-7055.9	-787.7	-2736.1	-2586.3	-7060.2
clmpyr-ntf2-p5	-41.3	-36.1	-3392.1	-9811.6	-787.6	-2735.5	-2584.5	-7054.8	-787.7	-2736.0	-2585.8	-7058.0
clmpyr-pf6-p1	-37.8	-30.5	-2118.0	-6386.6	-787.3	-2735.4	-1313.0	-3631.0	-787.4	-2735.9	-1315.2	-3635.6
clmpyr-pf6-p2	-34.8	-28.3	-2116.7	-6385.3	-787.4	-2735.5	-1313.0	-3631.2	-787.5	-2735.8	-1315.1	-3635.3
clmpyr-tos-p1	-43.9	-35.7	-2302.7	-7041.9	-787.3	-2735.7	-1493.5	-4284.2	-787.4	-2736.3	-1495.8	-4289.4

c1mpyr-tos-p2	-38.7	-31.2	-2299.9	-7039.6	-787.5	-2735.8	-1493.4	-4284.2	-787.5	-2736.2	-1495.6	-4289.0
c2mim-bf4-p1	-39.5	-31.5	-1819.8	-5420.1	-942.3	-2998.8	-859.4	-2400.0	-942.5	-2999.8	-861.5	-2404.8
c2mim-bf4-p2	-36.7	-29.2	-1818.0	-5418.2	-941.9	-2998.1	-859.4	-2400.0	-942.1	-2999.1	-861.3	-2404.4
c2mim-br-p1	-55.3	-45.4	-1178.9	-3538.4	-943.5	-3004.8	-209.5	-504.1	-943.6	-3005.3	-212.4	-510.6
c2mim-br-p2	-41.4	-32.3	-1174.0	-3532.2	-944.6	-3006.6	-209.5	-504.1	-944.6	-3006.9	-212.0	-510.4
c2mim-br-p3	-41.9	-32.7	-1173.4	-3531.6	-943.7	-3005.6	-209.5	-504.1	-943.8	-3005.9	-212.1	-510.4
c2mim-br-p4	-54.9	-45.4	-1179.6	-3539.3	-944.3	-3006.1	-209.5	-504.1	-944.3	-3006.6	-212.2	-510.4
c2mim-cl-p1	-45.4	-38.3	-1108.5	-3471.2	-943.5	-3004.7	-143.7	-442.5	-943.5	-3005.2	-145.4	-447.3
c2mim-cl-p2	-36.0	-29.7	-1106.2	-3467.9	-944.8	-3007.1	-143.7	-442.5	-944.8	-3007.4	-145.0	-447.1
c2mim-cl-p3	-36.8	-30.2	-1105.6	-3467.3	-944.0	-3006.1	-143.7	-442.5	-944.0	-3006.4	-145.1	-447.2
c2mim-cl-p4	-44.3	-37.6	-1108.6	-3471.6	-944.0	-3005.7	-143.7	-442.5	-944.1	-3006.1	-145.3	-447.1
c2mim-dca-p1	-67.2	-61.5	-1635.6	-4884.0	-942.2	-2999.0	-662.0	-1849.2	-942.3	-2999.9	-663.2	-1852.7
c2mim-dca-p2	-63.1	-57.7	-1634.2	-4881.5	-942.4	-2999.1	-662.0	-1849.1	-942.5	-2999.9	-663.2	-1852.3
c2mim-dca-p3	-67.5	-61.9	-1636.9	-4884.7	-943.0	-2999.8	-662.2	-1849.1	-943.1	-3000.7	-663.4	-1852.4
c2mim-dca-p4	-63.9	-58.6	-1634.3	-4882.0	-942.3	-2999.1	-662.0	-1849.0	-942.4	-2999.9	-663.2	-1852.2
c2mim-dca-p5	-65.6	-60.2	-1635.2	-4883.0	-942.3	-2999.2	-662.1	-1848.9	-942.4	-3000.1	-663.3	-1852.2
c2mim-dca-p6	-65.8	-60.4	-1634.9	-4883.1	-942.2	-2998.8	-662.1	-1849.0	-942.3	-2999.7	-663.3	-1852.3
c2mim-mes-p1	-56.6	-46.4	-1779.6	-5349.4	-943.1	-2999.9	-809.3	-2320.1	-943.3	-3000.9	-812.1	-2326.3
c2mim-mes-p2	-51.2	-41.4	-1776.1	-5345.7	-942.3	-2998.8	-809.4	-2320.2	-942.4	-2999.7	-812.2	-2326.2
c2mim-ntf2-p1	-83.8	-73.0	-3567.4	-10101.4	-942.4	-2998.9	-2586.4	-7057.3	-942.7	-3000.3	-2589.0	-7063.6
c2mim-ntf2-p2	-54.3	-46.4	-3554.3	-10085.3	-942.6	-3000.3	-2585.9	-7056.5	-942.7	-3001.1	-2587.8	-7061.5
c2mim-ntf2-p3	-50.2	-42.8	-3553.4	-10080.9	-942.1	-2999.2	-2586.4	-7056.3	-942.4	-3000.3	-2588.2	-7060.6
c2mim-ntf2-p4	-74.1	-64.1	-3563.3	-10096.2	-942.3	-2998.9	-2586.7	-7057.5	-942.6	-3000.2	-2589.2	-7063.4
c2mim-pf6-p1	-44.7	-35.4	-2275.7	-6653.5	-942.2	-2998.7	-1312.9	-3630.7	-942.4	-2999.6	-1315.6	-3636.2
c2mim-pf6-p2	-40.8	-32.1	-2273.2	-6651.0	-941.8	-2998.0	-1312.9	-3630.7	-942.0	-2998.9	-1315.4	-3635.8
c2mim-tos-p1	-55.6	-45.8	-2464.0	-7312.2	-943.0	-2999.7	-1494.1	-4283.8	-943.1	-3000.7	-1496.8	-4289.7
c2mim-tos-p2	-49.1	-39.8	-2460.2	-7308.0	-942.3	-2998.8	-1494.2	-4283.9	-942.4	-2999.8	-1496.8	-4289.5
c2mpyr-bf4-p1	-38.5	-30.9	-1777.6	-5541.0	-900.7	-3121.9	-859.0	-2398.5	-900.7	-3122.5	-861.1	-2403.2
c2mpyr-bf4-p2	-36.1	-29.0	-1777.0	-5540.2	-901.2	-3122.4	-859.0	-2398.6	-901.2	-3122.8	-861.0	-2403.1
c2mpyr-bf4-p3	-35.9	-29.0	-1776.5	-5539.9	-900.8	-3122.1	-859.0	-2398.5	-900.8	-3122.6	-861.0	-2403.0
c2mpyr-br-p1	-56.0	-46.4	-1136.8	-3656.9	-901.3	-3122.8	-209.5	-504.1	-901.3	-3123.0	-212.3	-510.7
c2mpyr-br-p2	-54.2	-44.8	-1136.0	-3656.4	-901.3	-3123.3	-209.5	-504.1	-901.3	-3123.5	-212.2	-510.6
c2mpyr-br-p3	-53.3	-44.3	-1135.4	-3655.6	-901.2	-3122.9	-209.5	-504.1	-901.2	-3123.1	-212.1	-510.3
c2mpyr-cl-p1	-47.8	-41.2	-1067.4	-3590.9	-901.4	-3122.8	-143.7	-442.5	-901.4	-3123.0	-145.3	-447.3
c2mpyr-cl-p2	-46.7	-40.1	-1066.5	-3590.4	-901.1	-3123.0	-143.7	-442.5	-901.1	-3123.2	-145.3	-447.3
c2mpyr-cl-p3	-46.3	-40.0	-1066.6	-3590.2	-901.3	-3123.0	-143.7	-442.5	-901.4	-3123.1	-145.2	-447.1
c2mpyr-dca-p1	-46.0	-41.6	-1580.1	-4980.8	-901.1	-3122.5	-656.5	-1834.8	-901.2	-3122.9	-657.6	-1837.6
c2mpyr-dca-p2	-49.3	-44.9	-1581.2	-4982.8	-900.8	-3122.2	-656.5	-1835.1	-900.8	-3122.6	-657.7	-1838.0
c2mpyr-dca-p3	-49.5	-45.5	-1581.0	-4983.1	-900.9	-3122.3	-656.4	-1835.1	-900.9	-3122.7	-657.4	-1837.6

c2mpyr-mes-p1	-48.5	-39.2	-1733.5	-5468.2	-900.7	-3122.2	-809.3	-2321.1	-900.7	-3122.8	-812.0	-2327.1
c2mpyr-mes-p2	-44.8	-36.0	-1732.4	-5467.0	-901.3	-3122.7	-809.3	-2321.2	-901.4	-3123.2	-811.9	-2326.9
c2mpyr-mes-p3	-43.6	-35.3	-1731.3	-5466.0	-900.8	-3122.5	-809.3	-2321.1	-900.9	-3122.9	-811.7	-2326.6
c2mpyr-ntf2-p1	-53.8	-46.8	-3510.9	-10207.1	-901.0	-3121.9	-2584.8	-7056.3	-901.1	-3122.6	-2586.7	-7060.7
c2mpyr-ntf2-p2	-42.6	-36.9	-3505.9	-10199.1	-900.6	-3121.7	-2584.6	-7055.3	-900.7	-3122.4	-2586.1	-7058.8
c2mpyr-ntf2-p3	-52.5	-45.8	-3510.1	-10206.1	-900.8	-3122.0	-2584.7	-7056.1	-900.9	-3122.5	-2586.6	-7060.3
c2mpyr-ntf2-p4	-51.9	-45.1	-3509.6	-10206.0	-900.8	-3121.9	-2584.8	-7056.2	-900.9	-3122.5	-2586.6	-7060.6
c2mpyr-ntf2-p5	-44.4	-38.4	-3506.4	-10199.8	-900.5	-3121.7	-2584.5	-7055.1	-900.6	-3122.3	-2586.1	-7058.8
c2mpyr-ntf2-p6	-41.5	-36.3	-3505.7	-10198.6	-900.9	-3122.0	-2584.7	-7055.2	-900.9	-3122.5	-2586.1	-7058.5
c2mpyr-pf6-p1	-38.3	-30.7	-2231.7	-6773.6	-900.9	-3122.0	-1313.0	-3631.1	-900.9	-3122.6	-1315.3	-3635.8
c2mpyr-pf6-p2	-36.3	-29.0	-2230.9	-6772.6	-900.9	-3122.1	-1313.0	-3631.2	-900.9	-3122.5	-1315.3	-3635.7
c2mpyr-pf6-p3	-35.6	-28.7	-2230.3	-6772.2	-900.7	-3122.0	-1313.0	-3631.1	-900.8	-3122.4	-1315.1	-3635.5
c2mpyr-tos-p1	-45.6	-37.0	-2416.7	-7429.4	-900.6	-3122.1	-1493.5	-4284.2	-900.7	-3122.8	-1495.9	-4289.7
c2mpyr-tos-p2	-42.1	-33.9	-2415.6	-7428.2	-901.3	-3122.7	-1493.5	-4284.3	-901.3	-3123.1	-1495.9	-4289.5
c3mim-bf4-p1	-40.5	-32.1	-1930.4	-5803.2	-1052.5	-3381.3	-859.4	-2400.0	-1052.7	-3382.3	-861.6	-2405.0
c3mim-bf4-p2	-39.3	-31.3	-1929.9	-5802.7	-1052.5	-3381.3	-859.4	-2400.0	-1052.7	-3382.4	-861.5	-2404.8
c3mim-br-p1	-56.2	-46.0	-1289.5	-3921.8	-1053.7	-3387.7	-209.5	-504.1	-1053.7	-3388.2	-212.5	-510.8
c3mim-br-p2	-41.9	-32.6	-1284.0	-3915.1	-1054.4	-3389.3	-209.5	-504.1	-1054.5	-3389.6	-212.1	-510.5
c3mim-br-p3	-46.9	-36.8	-1286.0	-3917.1	-1054.0	-3388.6	-209.5	-504.1	-1054.1	-3389.0	-212.3	-511.0
c3mim-br-p4	-57.1	-46.7	-1290.3	-3923.0	-1054.0	-3388.6	-209.5	-504.1	-1054.1	-3389.1	-212.5	-510.9
c3mim-cl-p1	-45.9	-38.7	-1218.8	-3854.3	-1053.6	-3387.5	-143.7	-442.5	-1053.6	-3387.9	-145.4	-447.4
c3mim-cl-p2	-36.1	-29.8	-1216.1	-3850.6	-1054.7	-3389.7	-143.7	-442.5	-1054.7	-3390.1	-145.0	-447.2
c3mim-cl-p3	-40.3	-33.1	-1217.5	-3852.1	-1054.2	-3389.0	-143.7	-442.5	-1054.3	-3389.3	-145.3	-447.6
c3mim-cl-p4	-45.6	-38.4	-1218.9	-3854.9	-1053.8	-3388.2	-143.7	-442.5	-1053.9	-3388.7	-145.4	-447.4
c3mim-dca-p1	-68.2	-62.4	-1746.1	-5267.0	-1052.3	-3381.3	-662.0	-1849.3	-1052.5	-3382.2	-663.3	-1852.8
c3mim-dca-p2	-69.4	-63.5	-1747.0	-5268.2	-1052.7	-3382.0	-662.0	-1849.1	-1052.9	-3382.9	-663.3	-1852.6
c3mim-dca-p3	-59.7	-54.4	-1742.8	-5263.5	-1052.8	-3382.8	-661.8	-1849.2	-1052.9	-3383.4	-663.0	-1852.6
c3mim-dca-p4	-70.8	-64.8	-1747.8	-5268.0	-1052.5	-3381.6	-662.1	-1849.0	-1052.6	-3382.5	-663.4	-1852.5
c3mim-dca-p5	-66.9	-61.3	-1744.8	-5265.7	-1051.9	-3380.8	-661.9	-1849.0	-1052.0	-3381.8	-663.1	-1852.3
c3mim-dca-p6	-66.0	-60.5	-1744.7	-5265.4	-1052.0	-3380.9	-662.1	-1849.1	-1052.1	-3381.7	-663.3	-1852.4
c3mim-mes-p1	-59.4	-48.7	-1891.3	-5733.6	-1053.4	-3382.7	-809.3	-2320.1	-1053.5	-3383.7	-812.3	-2326.7
c3mim-mes-p2	-51.8	-41.8	-1886.3	-5728.3	-1052.2	-3380.9	-809.4	-2320.3	-1052.3	-3381.8	-812.2	-2326.4
c3mim-ntf2-p1	-87.7	-76.2	-3679.3	-10486.0	-1052.5	-3381.3	-2586.4	-7057.3	-1052.8	-3382.9	-2589.3	-7064.1
c3mim-ntf2-p2	-58.6	-50.4	-3666.6	-10469.8	-1052.7	-3382.6	-2585.9	-7056.5	-1052.8	-3383.5	-2587.9	-7061.7
c3mim-ntf2-p3	-52.0	-44.3	-3664.3	-10464.3	-1052.2	-3381.7	-2586.4	-7056.3	-1052.5	-3382.8	-2588.3	-7060.8
c3mim-ntf2-p4	-75.3	-65.4	-3673.3	-10478.9	-1052.1	-3380.6	-2586.6	-7057.6	-1052.3	-3381.9	-2589.1	-7063.4
c3mim-pf6-p1	-44.9	-36.1	-2385.5	-7035.9	-1052.2	-3380.9	-1312.9	-3630.5	-1052.4	-3381.8	-1315.4	-3635.8
c3mim-pf6-p2	-41.0	-32.2	-2383.2	-7033.3	-1051.7	-3380.2	-1312.9	-3630.7	-1051.9	-3381.1	-1315.4	-3635.9
c3mim-tos-p1	-59.0	-48.5	-2575.9	-7696.7	-1053.2	-3382.4	-1494.2	-4283.8	-1053.3	-3383.5	-1497.0	-4290.2

c3mim-tos-p2	-55.6	-45.7	-2573.9	-7694.6	-1052.9	-3382.0	-1494.2	-4283.9	-1053.1	-3383.0	-1496.9	-4289.9
c3mpyr-bf4-p1	-38.9	-31.1	-1887.7	-5924.1	-1010.6	-3504.8	-859.0	-2398.5	-1010.7	-3505.5	-861.2	-2403.3
c3mpyr-bf4-p2	-36.2	-29.1	-1886.9	-5923.0	-1011.0	-3505.1	-859.0	-2398.5	-1011.0	-3505.6	-861.1	-2403.1
c3mpyr-bf4-p3	-36.3	-29.2	-1886.5	-5923.0	-1010.7	-3505.0	-859.0	-2398.5	-1010.7	-3505.4	-861.0	-2403.1
c3mpyr-br-p1	-57.0	-47.2	-1247.2	-4040.3	-1011.3	-3505.7	-209.5	-504.1	-1011.3	-3505.9	-212.4	-510.8
c3mpyr-br-p2	-54.3	-44.5	-1245.7	-4039.1	-1011.2	-3505.7	-209.5	-504.1	-1011.2	-3506.0	-212.3	-510.8
c3mpyr-br-p3	-54.2	-45.0	-1245.8	-4039.0	-1011.2	-3505.8	-209.5	-504.1	-1011.2	-3506.0	-212.2	-510.4
c3mpyr-cl-p1	-48.3	-41.5	-1177.5	-3974.0	-1011.3	-3505.7	-143.7	-442.5	-1011.3	-3505.9	-145.3	-447.4
c3mpyr-cl-p2	-47.0	-40.3	-1176.6	-3973.4	-1011.1	-3505.8	-143.7	-442.5	-1011.1	-3506.0	-145.3	-447.4
c3mpyr-cl-p3	-46.6	-40.2	-1176.6	-3973.3	-1011.3	-3505.9	-143.7	-442.5	-1011.3	-3506.0	-145.2	-447.2
c3mpyr-dca-p1	-47.0	-42.7	-1690.3	-5364.2	-1010.9	-3505.1	-656.5	-1835.0	-1010.9	-3505.6	-657.6	-1837.8
c3mpyr-dca-p2	-49.3	-44.8	-1691.1	-5365.7	-1010.8	-3505.1	-656.5	-1835.1	-1010.8	-3505.5	-657.7	-1838.0
c3mpyr-dca-p3	-45.4	-41.3	-1687.8	-5366.0	-1010.8	-3505.1	-656.5	-1836.0	-1010.9	-3505.5	-657.4	-1838.7
c3mpyr-dca-p4	-47.7	-43.5	-1690.2	-5365.2	-1011.0	-3505.3	-656.4	-1835.0	-1011.0	-3505.7	-657.4	-1837.7
c3mpyr-dca-p5	-49.4	-45.4	-1691.0	-5365.9	-1010.8	-3505.1	-656.4	-1835.0	-1010.8	-3505.5	-657.4	-1837.7
c3mpyr-mes-p1	-49.4	-39.8	-1843.8	-5851.6	-1010.6	-3505.0	-809.3	-2321.1	-1010.7	-3505.6	-812.1	-2327.2
c3mpyr-mes-p2	-45.1	-36.2	-1842.4	-5850.0	-1011.3	-3505.5	-809.3	-2321.2	-1011.3	-3506.0	-812.0	-2327.0
c3mpyr-mes-p3	-44.6	-36.0	-1841.7	-5849.4	-1010.8	-3505.4	-809.3	-2321.1	-1010.8	-3505.8	-811.8	-2326.8
c3mpyr-ntf2-p1	-55.6	-48.6	-3621.7	-10591.0	-1011.0	-3505.0	-2584.8	-7056.3	-1011.1	-3505.8	-2586.6	-7060.6
c3mpyr-ntf2-p2	-42.5	-36.8	-3616.0	-10581.7	-1010.7	-3504.7	-2584.6	-7055.2	-1010.7	-3505.3	-2586.2	-7058.7
c3mpyr-ntf2-p3	-52.9	-46.0	-3620.1	-10589.2	-1010.7	-3504.7	-2584.8	-7056.2	-1010.7	-3505.4	-2586.6	-7060.5
c3mpyr-ntf2-p4	-54.0	-47.0	-3620.6	-10589.9	-1010.7	-3504.9	-2584.7	-7056.1	-1010.8	-3505.5	-2586.6	-7060.6
c3mpyr-ntf2-p5	-44.3	-38.3	-3616.3	-10582.5	-1010.4	-3504.5	-2584.5	-7055.0	-1010.5	-3505.2	-2586.1	-7058.7
c3mpyr-ntf2-p6	-43.3	-37.7	-3616.4	-10582.3	-1010.8	-3504.9	-2584.6	-7055.1	-1010.9	-3505.5	-2586.1	-7058.6
c3mpyr-pf6-p1	-39.5	-31.6	-2341.9	-7156.9	-1010.5	-3504.6	-1313.0	-3631.1	-1010.6	-3505.2	-1315.4	-3636.0
c3mpyr-pf6-p2	-36.2	-28.9	-2340.7	-7155.3	-1010.8	-3504.8	-1313.0	-3631.1	-1010.9	-3505.3	-1315.3	-3635.7
c3mpyr-pf6-p3	-36.2	-29.1	-2340.4	-7155.4	-1010.6	-3504.8	-1313.0	-3631.1	-1010.7	-3505.2	-1315.2	-3635.6
c3mpyr-tos-p1	-46.8	-37.8	-2527.0	-7812.9	-1010.6	-3505.0	-1493.4	-4284.2	-1010.7	-3505.7	-1496.0	-4289.9
c3mpyr-tos-p2	-42.4	-34.1	-2525.5	-7811.2	-1011.2	-3505.4	-1493.4	-4284.2	-1011.3	-3506.0	-1495.8	-4289.5
c4mim-bf4-p1	-41.1	-32.5	-2040.7	-6185.9	-1162.5	-3763.7	-859.4	-2400.0	-1162.7	-3764.8	-861.6	-2405.1
c4mim-bf4-p2	-39.5	-31.4	-2039.9	-6185.1	-1162.4	-3763.6	-859.4	-2400.0	-1162.6	-3764.7	-861.5	-2404.8
c4mim-br-p1	-57.3	-46.8	-1399.9	-4305.2	-1163.6	-3770.6	-209.5	-504.1	-1163.7	-3771.1	-212.5	-511.0
c4mim-br-p2	-42.9	-33.4	-1394.5	-4298.5	-1164.4	-3772.1	-209.5	-504.1	-1164.4	-3772.4	-212.1	-510.6
c4mim-br-p3	-49.0	-38.5	-1396.9	-4301.1	-1164.0	-3771.4	-209.5	-504.1	-1164.0	-3771.8	-212.5	-511.2
c4mim-br-p4	-57.8	-47.2	-1400.4	-4306.1	-1163.9	-3771.2	-209.5	-504.1	-1164.0	-3771.8	-212.5	-511.1
c4mim-cl-p1	-46.6	-39.3	-1329.0	-4237.5	-1163.4	-3770.3	-143.7	-442.5	-1163.5	-3770.7	-145.5	-447.5
c4mim-cl-p2	-36.7	-30.2	-1326.3	-4233.7	-1164.6	-3772.6	-143.7	-442.5	-1164.6	-3772.9	-145.0	-447.3
c4mim-cl-p3	-41.7	-34.3	-1328.1	-4235.7	-1164.2	-3771.8	-143.7	-442.5	-1164.2	-3772.2	-145.3	-447.8
c4mim-cl-p4	-46.1	-38.8	-1329.0	-4237.8	-1163.7	-3770.9	-143.7	-442.5	-1163.7	-3771.4	-145.4	-447.5

c4mim-dca-p1	-69.0	-63.0	-1856.5	-5649.9	-1162.3	-3763.8	-662.0	-1849.3	-1162.5	-3764.7	-663.3	-1852.9
c4mim-dca-p2	-72.5	-66.3	-1858.6	-5651.5	-1162.5	-3764.0	-662.1	-1849.0	-1162.6	-3765.0	-663.4	-1852.7
c4mim-dca-p3	-67.1	-61.6	-1854.8	-5648.2	-1161.8	-3763.1	-661.9	-1849.0	-1161.9	-3764.1	-663.1	-1852.3
c4mim-mes-p1	-60.7	-49.8	-2001.9	-6116.7	-1163.3	-3765.1	-809.4	-2320.1	-1163.5	-3766.1	-812.4	-2326.9
c4mim-mes-p2	-51.9	-41.9	-1996.1	-6110.6	-1162.0	-3763.1	-809.4	-2320.3	-1162.2	-3764.0	-812.2	-2326.4
c4mim-pf6-p1	-47.9	-37.7	-2497.3	-7420.3	-1162.4	-3763.7	-1312.9	-3630.7	-1162.6	-3764.7	-1315.9	-3636.8
c4mim-pf6-p2	-41.0	-32.2	-2493.1	-7415.7	-1161.6	-3762.5	-1312.9	-3630.7	-1161.8	-3763.4	-1315.5	-3636.0
c4mim-tos-p1	-61.4	-50.6	-2687.0	-8080.4	-1163.2	-3764.9	-1494.2	-4283.8	-1163.4	-3766.0	-1497.1	-4290.4
c4mim-tos-p2	-56.7	-46.9	-2684.8	-8077.9	-1163.2	-3764.8	-1494.2	-4283.9	-1163.4	-3765.9	-1496.8	-4289.8
c4mpyr-bf4-p1	-39.0	-31.2	-1997.5	-6306.7	-1120.4	-3887.3	-859.0	-2398.5	-1120.5	-3888.0	-861.2	-2403.4
c4mpyr-bf4-p2	-36.4	-29.2	-1996.7	-6305.7	-1120.8	-3887.6	-859.0	-2398.5	-1120.8	-3888.1	-861.1	-2403.2
c4mpyr-bf4-p3	-36.6	-29.4	-1996.5	-6305.8	-1120.5	-3887.6	-859.0	-2398.5	-1120.6	-3888.1	-861.1	-2403.2
c4mpyr-br-p1	-57.3	-47.4	-1357.2	-4423.0	-1121.1	-3888.2	-209.5	-504.1	-1121.1	-3888.4	-212.4	-510.9
c4mpyr-br-p2	-54.7	-44.7	-1355.6	-4421.9	-1121.0	-3888.3	-209.5	-504.1	-1121.0	-3888.5	-212.4	-510.9
c4mpyr-br-p3	-54.5	-45.2	-1355.8	-4421.7	-1121.0	-3888.3	-209.5	-504.1	-1121.1	-3888.5	-212.2	-510.5
c4mpyr-cl-p1	-48.3	-41.4	-1287.3	-4356.5	-1121.1	-3888.2	-143.7	-442.5	-1121.1	-3888.4	-145.3	-447.4
c4mpyr-cl-p2	-47.5	-40.7	-1286.7	-4356.4	-1120.9	-3888.5	-143.7	-442.5	-1120.9	-3888.7	-145.3	-447.4
c4mpyr-cl-p3	-46.6	-40.1	-1286.4	-4355.8	-1121.1	-3888.4	-143.7	-442.5	-1121.1	-3888.5	-145.3	-447.2
c4mpyr-dca-p1	-47.0	-42.7	-1799.2	-5747.5	-1120.6	-3887.4	-656.4	-1835.2	-1120.7	-3888.0	-657.5	-1837.9
c4mpyr-dca-p2	-49.3	-44.8	-1800.9	-5748.3	-1120.6	-3887.7	-656.5	-1835.1	-1120.6	-3888.1	-657.7	-1838.0
c4mpyr-dca-p3	-47.8	-43.3	-1800.4	-5747.2	-1120.7	-3887.6	-656.5	-1835.0	-1120.7	-3888.1	-657.6	-1837.8
c4mpyr-dca-p4	-48.7	-44.2	-1800.2	-5748.3	-1120.6	-3887.6	-656.5	-1835.1	-1120.6	-3888.2	-657.5	-1837.8
c4mpyr-dca-p5	-49.5	-45.5	-1800.8	-5748.5	-1120.6	-3887.6	-656.4	-1835.1	-1120.6	-3888.1	-657.5	-1837.7
c4mpyr-mes-p1	-49.4	-39.8	-1953.6	-6234.1	-1120.4	-3887.5	-809.3	-2321.1	-1120.5	-3888.2	-812.1	-2327.3
c4mpyr-mes-p2	-45.6	-36.5	-1952.4	-6232.9	-1121.1	-3888.1	-809.3	-2321.2	-1121.1	-3888.6	-812.0	-2327.1
c4mpyr-mes-p3	-44.9	-36.2	-1951.7	-6232.2	-1120.6	-3887.9	-809.3	-2321.1	-1120.7	-3888.4	-811.8	-2326.8
c4mpyr-ntf2-p1	-55.8	-48.6	-3731.5	-10973.6	-1120.8	-3887.5	-2584.8	-7056.2	-1120.9	-3888.3	-2586.7	-7060.6
c4mpyr-ntf2-p2	-47.9	-41.1	-3728.0	-10966.8	-1120.5	-3887.2	-2584.5	-7054.8	-1120.6	-3888.1	-2586.2	-7058.8
c4mpyr-ntf2-p3	-54.1	-47.2	-3730.6	-10972.5	-1120.5	-3887.4	-2584.8	-7056.2	-1120.6	-3888.1	-2586.6	-7060.6
c4mpyr-ntf2-p4	-55.2	-47.9	-3731.0	-10973.1	-1120.6	-3887.4	-2584.8	-7056.2	-1120.6	-3888.0	-2586.7	-7060.8
c4mpyr-ntf2-p5	-45.0	-38.8	-3726.4	-10965.5	-1120.2	-3887.2	-2584.5	-7055.0	-1120.3	-3887.8	-2586.1	-7058.8
c4mpyr-ntf2-p6	-45.1	-39.0	-3727.0	-10965.8	-1120.7	-3887.5	-2584.5	-7055.0	-1120.7	-3888.1	-2586.2	-7058.7
c4mpyr-pf6-p1	-39.6	-31.6	-2451.8	-7539.5	-1120.4	-3887.2	-1313.0	-3631.1	-1120.4	-3887.8	-1315.4	-3636.1
c4mpyr-pf6-p2	-36.6	-29.2	-2450.7	-7538.2	-1120.7	-3887.4	-1313.0	-3631.1	-1120.7	-3887.9	-1315.3	-3635.8
c4mpyr-pf6-p3	-36.4	-29.3	-2450.4	-7538.1	-1120.5	-3887.4	-1313.0	-3631.1	-1120.5	-3887.8	-1315.2	-3635.7
c4mpyr-tos-p1	-47.0	-37.9	-2637.1	-8195.7	-1120.5	-3887.6	-1493.5	-4284.2	-1120.6	-3888.3	-1496.0	-4289.9
c4mpyr-tos-p2	-43.1	-34.6	-2635.8	-8194.3	-1121.1	-3888.1	-1493.5	-4284.3	-1121.1	-3888.6	-1496.0	-4289.7

2.3.2 augmented D→T

Table S 21: Raw CBS (augmented D→T) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-36.6	-31.6	-1705.8	-5091.8	-831.2	-2639.9	-858.8	-2431.3	-831.2	-2641.2	-858.9	-2434.8
clmim-br-p1	-60.1	-45.5	-1076.1	-3200.7	-833.1	-2647.2	-216.3	-520.1	-833.1	-2647.8	-220.0	-530.4
clmim-br-p2	-44.5	-28.8	-1068.3	-3192.3	-832.8	-2647.1	-216.3	-520.1	-832.8	-2647.6	-220.0	-531.4
clmim-cl-p1	-41.3	-37.3	-997.8	-3120.7	-832.9	-2646.9	-145.7	-451.7	-832.9	-2647.4	-145.7	-455.2
clmim-cl-p2	-31.8	-26.1	-993.6	-3116.2	-833.0	-2647.6	-145.7	-451.7	-833.0	-2648.2	-145.9	-456.7
clmim-dca-p1	-66.2	-62.3	-1526.7	-4550.9	-831.6	-2641.1	-664.8	-1873.8	-831.6	-2642.4	-664.8	-1876.4
clmim-dca-p2	-49.9	-45.7	-1518.9	-4543.1	-831.7	-2642.1	-664.5	-1873.9	-831.7	-2643.3	-664.5	-1876.9
clmim-mes-p1	-48.1	-42.6	-1666.8	-5019.6	-831.7	-2640.8	-812.8	-2353.0	-831.7	-2642.3	-812.8	-2357.0
clmim-ntf2-p1	-78.0	-68.9	-3455.2	-9838.9	-831.2	-2640.0	-2590.4	-7154.5	-831.2	-2642.2	-2590.6	-7161.2
clmim-ntf2-p2	-44.2	-35.9	-3440.3	-9819.0	-831.5	-2641.6	-2589.5	-7152.5	-831.6	-2643.4	-2589.9	-7158.6
clmim-ntf2-p3	-48.4	-40.6	-3443.3	-9820.8	-831.2	-2640.7	-2590.3	-7153.4	-831.3	-2642.6	-2590.5	-7159.1
clmim-pf6-p1	-39.9	-34.0	-2161.8	-6344.6	-831.2	-2640.0	-1313.6	-3681.8	-831.2	-2641.3	-1313.7	-3686.1
clmim-tos-p1	-46.2	-40.5	-2350.6	-7001.8	-831.4	-2640.4	-1498.0	-4336.4	-831.4	-2642.0	-1498.0	-4340.4
clmpyr-bf4-p1	-36.9	-31.0	-1662.9	-5213.8	-788.6	-2763.2	-858.4	-2429.7	-788.5	-2764.0	-858.7	-2434.5
clmpyr-bf4-p2	-34.0	-28.6	-1661.7	-5212.5	-788.7	-2763.4	-858.4	-2429.7	-788.7	-2764.1	-858.7	-2434.2
clmpyr-br-p1	-64.0	-45.8	-1032.8	-3321.0	-789.3	-2764.2	-216.3	-520.1	-789.3	-2764.5	-220.8	-533.4
clmpyr-br-p2	-61.0	-43.7	-1031.4	-3319.6	-789.3	-2764.4	-216.3	-520.1	-789.3	-2764.7	-220.6	-532.8
clmpyr-cl-p1	-45.0	-39.8	-955.2	-3240.9	-789.3	-2764.3	-145.7	-451.7	-789.3	-2764.6	-145.8	-456.5
clmpyr-cl-p2	-43.9	-38.7	-954.6	-3240.5	-789.3	-2764.4	-145.7	-451.7	-789.3	-2764.7	-145.8	-456.5
clmpyr-dca-p1	-46.1	-42.5	-1469.7	-4648.1	-789.2	-2763.9	-659.1	-1859.6	-789.1	-2764.7	-659.2	-1862.4
clmpyr-dca-p2	-49.8	-46.6	-1470.9	-4650.5	-789.0	-2763.7	-659.0	-1859.9	-788.9	-2764.4	-659.0	-1862.6
clmpyr-dca-p3	-46.9	-42.6	-1467.7	-4650.5	-788.7	-2763.4	-658.9	-1860.3	-788.6	-2764.1	-659.0	-1863.9
clmpyr-dca-p4	-48.2	-44.9	-1469.8	-4649.5	-788.7	-2763.4	-659.1	-1859.9	-788.6	-2764.1	-659.1	-1862.6
clmpyr-mes-p1	-44.4	-38.2	-1621.7	-5141.5	-788.6	-2763.5	-812.8	-2354.0	-788.5	-2764.5	-812.9	-2359.1
clmpyr-mes-p2	-39.2	-33.6	-1619.6	-5138.9	-788.8	-2763.8	-812.8	-2354.0	-788.8	-2764.8	-812.9	-2358.6
clmpyr-ntf2-p1	-54.2	-45.6	-3400.2	-9948.0	-788.9	-2763.3	-2588.7	-7153.1	-788.9	-2764.4	-2589.1	-7160.3
clmpyr-ntf2-p2	-42.3	-35.2	-3395.5	-9939.1	-788.6	-2763.0	-2588.6	-7152.0	-788.5	-2764.0	-2588.9	-7158.0
clmpyr-ntf2-p3	-52.8	-44.2	-3399.6	-9946.9	-788.9	-2763.4	-2588.6	-7152.8	-788.8	-2764.5	-2589.0	-7159.9
clmpyr-ntf2-p5	-43.6	-36.5	-3396.2	-9939.7	-788.9	-2763.3	-2588.4	-7151.7	-788.8	-2764.3	-2588.7	-7157.7
clmpyr-pf6-p1	-37.8	-31.1	-2118.2	-6467.2	-788.6	-2763.1	-1313.7	-3682.2	-788.5	-2764.0	-1314.0	-3687.8
clmpyr-pf6-p2	-35.0	-28.8	-2117.0	-6466.0	-788.7	-2763.3	-1313.7	-3682.3	-788.7	-2764.0	-1314.0	-3687.6
clmpyr-tos-p1	-42.4	-36.0	-2305.6	-7123.3	-788.6	-2763.5	-1497.5	-4337.0	-788.5	-2764.5	-1497.6	-4342.3
clmpyr-tos-p2	-37.2	-31.3	-2303.0	-7120.9	-788.7	-2763.6	-1497.4	-4337.0	-788.7	-2764.5	-1497.5	-4341.9

c2mim-bf4-p1	-39.1	-33.5	-1818.7	-5481.2	-943.0	-3027.9	-858.8	-2431.2	-943.0	-3029.2	-858.9	-2435.4
c2mim-bf4-p2	-36.2	-31.0	-1816.9	-5479.0	-942.5	-3027.2	-858.8	-2431.3	-942.5	-3028.4	-858.9	-2435.0
c2mim-br-p1	-63.3	-46.9	-1188.3	-3590.1	-944.3	-3034.5	-216.3	-520.1	-944.3	-3035.0	-220.5	-531.8
c2mim-br-p2	-49.2	-32.4	-1182.9	-3584.4	-945.3	-3036.5	-216.3	-520.1	-945.3	-3037.0	-220.2	-532.3
c2mim-br-p3	-49.5	-33.0	-1182.3	-3583.2	-944.4	-3035.3	-216.3	-520.1	-944.5	-3035.8	-220.3	-532.0
c2mim-br-p4	-62.2	-46.8	-1188.8	-3590.5	-945.0	-3035.8	-216.3	-520.1	-945.0	-3036.3	-220.2	-531.0
c2mim-cl-p1	-43.6	-39.1	-1109.9	-3509.6	-944.2	-3034.3	-145.7	-451.7	-944.2	-3034.8	-145.7	-455.7
c2mim-cl-p2	-34.5	-28.5	-1107.4	-3507.1	-945.5	-3037.0	-145.7	-451.7	-945.6	-3037.6	-145.9	-457.0
c2mim-cl-p3	-34.8	-29.2	-1106.7	-3506.0	-944.7	-3035.8	-145.7	-451.7	-944.7	-3036.4	-145.9	-456.6
c2mim-cl-p4	-42.4	-38.2	-1110.1	-3509.9	-944.8	-3035.4	-145.7	-451.7	-944.8	-3035.9	-145.7	-455.4
c2mim-dca-p1	-68.1	-63.6	-1638.3	-4939.8	-942.9	-3028.1	-664.7	-1874.2	-942.9	-3029.6	-664.7	-1877.3
c2mim-dca-p2	-64.0	-59.7	-1637.0	-4937.2	-943.1	-3028.3	-664.8	-1874.1	-943.1	-3029.7	-664.8	-1876.9
c2mim-dca-p3	-68.3	-63.9	-1639.6	-4940.4	-943.7	-3029.1	-664.9	-1874.0	-943.7	-3030.5	-664.9	-1877.0
c2mim-dca-p4	-65.0	-60.8	-1637.2	-4937.7	-942.9	-3028.2	-664.8	-1874.0	-942.9	-3029.6	-664.7	-1876.8
c2mim-dca-p5	-66.3	-62.3	-1637.9	-4938.3	-942.9	-3028.3	-664.9	-1873.9	-942.9	-3029.7	-664.8	-1876.6
c2mim-dca-p6	-66.6	-62.6	-1637.7	-4938.5	-942.8	-3028.0	-664.9	-1874.0	-942.8	-3029.3	-664.8	-1876.6
c2mim-mes-p1	-54.3	-48.0	-1781.5	-5411.4	-943.8	-3029.1	-812.8	-2352.9	-943.8	-3030.7	-812.8	-2357.6
c2mim-mes-p2	-48.8	-43.0	-1778.0	-5407.3	-942.9	-3027.8	-812.8	-2353.1	-942.9	-3029.4	-812.8	-2357.2
c2mim-ntf2-p1	-85.4	-74.7	-3570.0	-10231.3	-943.1	-3028.0	-2590.4	-7154.4	-943.1	-3030.3	-2590.6	-7162.6
c2mim-ntf2-p2	-56.0	-46.2	-3557.2	-10215.0	-943.3	-3029.5	-2589.9	-7153.5	-943.3	-3031.5	-2590.2	-7161.0
c2mim-ntf2-p3	-52.4	-43.7	-3556.6	-10210.7	-942.8	-3028.4	-2590.3	-7153.4	-942.8	-3030.3	-2590.6	-7159.9
c2mim-ntf2-p4	-74.8	-65.4	-3566.0	-10225.3	-942.9	-3027.9	-2590.7	-7154.8	-942.9	-3030.1	-2591.0	-7161.9
c2mim-pf6-p1	-44.5	-37.6	-2275.4	-6735.1	-942.9	-3027.8	-1313.6	-3681.8	-942.9	-3029.2	-1313.8	-3687.0
c2mim-pf6-p2	-40.2	-34.1	-2273.0	-6732.1	-942.5	-3027.1	-1313.6	-3681.8	-942.5	-3028.5	-1313.7	-3686.3
c2mim-tos-p1	-54.4	-47.6	-2466.3	-7394.6	-943.6	-3028.9	-1497.9	-4336.2	-943.6	-3030.6	-1498.0	-4341.2
c2mim-tos-p2	-47.5	-41.5	-2462.6	-7389.9	-942.9	-3027.9	-1497.9	-4336.4	-942.9	-3029.5	-1498.0	-4340.7
c2mpyr-bf4-p1	-37.5	-31.5	-1776.5	-5604.9	-902.0	-3153.9	-858.4	-2429.7	-901.9	-3154.7	-858.7	-2434.7
c2mpyr-bf4-p2	-35.1	-29.5	-1776.1	-5604.0	-902.5	-3154.4	-858.4	-2429.8	-902.5	-3155.2	-858.6	-2434.3
c2mpyr-bf4-p3	-34.9	-29.2	-1775.4	-5603.7	-902.1	-3154.1	-858.4	-2429.7	-902.0	-3154.8	-858.7	-2434.5
c2mpyr-br-p1	-65.4	-46.6	-1146.7	-3712.5	-902.7	-3154.8	-216.3	-520.1	-902.7	-3155.1	-221.0	-533.9
c2mpyr-br-p2	-63.3	-45.0	-1145.8	-3711.8	-902.6	-3155.3	-216.3	-520.1	-902.6	-3155.7	-220.9	-533.5
c2mpyr-br-p3	-62.4	-44.4	-1145.2	-3711.0	-902.6	-3154.9	-216.3	-520.1	-902.6	-3155.2	-220.8	-533.3
c2mpyr-cl-p1	-45.5	-40.2	-1068.7	-3631.9	-902.7	-3154.9	-145.7	-451.7	-902.7	-3155.2	-145.8	-456.7
c2mpyr-cl-p2	-44.4	-39.2	-1067.9	-3631.4	-902.5	-3155.0	-145.7	-451.7	-902.4	-3155.4	-145.8	-456.6
c2mpyr-cl-p3	-44.2	-38.9	-1068.0	-3631.3	-902.7	-3155.0	-145.7	-451.7	-902.7	-3155.3	-145.8	-456.6
c2mpyr-dca-p1	-46.2	-42.6	-1583.1	-5038.8	-902.5	-3154.5	-659.1	-1859.6	-902.4	-3155.3	-659.2	-1862.5
c2mpyr-dca-p2	-49.8	-46.1	-1584.2	-5041.0	-902.1	-3154.2	-659.1	-1860.0	-902.1	-3155.0	-659.1	-1863.0
c2mpyr-dca-p3	-50.2	-46.8	-1584.2	-5041.3	-902.2	-3154.2	-659.1	-1859.9	-902.1	-3154.9	-659.0	-1862.7
c2mpyr-mes-p1	-45.7	-39.3	-1735.6	-5533.1	-902.0	-3154.1	-812.8	-2354.0	-901.9	-3155.2	-812.9	-2359.4

c2mpyr-mes-p2	-42.0	-36.1	-1734.6	-5531.7	-902.7	-3154.7	-812.8	-2354.1	-902.7	-3155.7	-812.9	-2359.0
c2mpyr-mes-p3	-40.8	-34.9	-1733.5	-5530.7	-902.2	-3154.5	-812.8	-2354.0	-902.1	-3155.5	-812.9	-2358.9
c2mpyr-ntf2-p1	-55.6	-46.8	-3514.5	-10339.5	-902.4	-3153.9	-2588.9	-7153.3	-902.3	-3155.0	-2589.3	-7160.7
c2mpyr-ntf2-p2	-44.8	-37.1	-3509.8	-10331.3	-902.0	-3153.6	-2588.6	-7152.2	-901.9	-3154.7	-2588.9	-7158.6
c2mpyr-ntf2-p3	-54.5	-45.7	-3513.8	-10338.7	-902.2	-3153.9	-2588.8	-7153.1	-902.1	-3155.0	-2589.1	-7160.4
c2mpyr-ntf2-p4	-53.4	-44.7	-3513.1	-10338.2	-902.1	-3153.9	-2588.8	-7153.2	-902.1	-3155.0	-2589.2	-7160.4
c2mpyr-ntf2-p5	-46.3	-38.8	-3510.4	-10331.9	-901.8	-3153.6	-2588.5	-7152.0	-901.7	-3154.7	-2588.7	-7158.2
c2mpyr-ntf2-p6	-43.9	-36.6	-3509.8	-10331.0	-902.2	-3153.9	-2588.6	-7152.1	-902.1	-3154.9	-2588.9	-7158.3
c2mpyr-pf6-p1	-38.1	-31.3	-2231.9	-6858.3	-902.2	-3154.0	-1313.7	-3682.2	-902.2	-3154.9	-1314.0	-3687.9
c2mpyr-pf6-p2	-36.1	-29.6	-2231.1	-6857.2	-902.3	-3154.0	-1313.7	-3682.3	-902.2	-3154.9	-1314.0	-3687.7
c2mpyr-pf6-p3	-35.8	-29.2	-2230.6	-6857.1	-902.1	-3153.9	-1313.7	-3682.3	-902.0	-3154.6	-1314.0	-3687.9
c2mpyr-tos-p1	-43.9	-37.3	-2419.5	-7514.9	-902.0	-3154.1	-1497.5	-4337.0	-901.9	-3155.2	-1497.6	-4342.5
c2mpyr-tos-p2	-40.3	-34.2	-2418.5	-7513.7	-902.7	-3154.7	-1497.4	-4337.1	-902.6	-3155.7	-1497.6	-4342.1
c3mim-bf4-p1	-40.1	-34.1	-1929.5	-5868.6	-1053.3	-3414.6	-858.8	-2431.3	-1053.3	-3415.9	-859.0	-2435.7
c3mim-bf4-p2	-38.9	-33.2	-1929.0	-5868.0	-1053.4	-3414.7	-858.8	-2431.3	-1053.4	-3416.0	-859.0	-2435.4
c3mim-br-p1	-64.6	-47.5	-1299.1	-3978.1	-1054.7	-3421.6	-216.3	-520.1	-1054.6	-3422.2	-220.6	-532.3
c3mim-br-p2	-50.0	-32.8	-1293.3	-3971.8	-1055.4	-3423.4	-216.3	-520.1	-1055.4	-3423.9	-220.4	-532.6
c3mim-br-p3	-55.3	-37.3	-1295.3	-3973.8	-1054.9	-3422.6	-216.3	-520.1	-1054.9	-3423.1	-220.8	-533.0
c3mim-br-p4	-64.7	-48.0	-1299.8	-3978.8	-1055.0	-3422.5	-216.3	-520.1	-1055.0	-3423.1	-220.5	-531.9
c3mim-cl-p1	-44.1	-39.4	-1220.4	-3897.1	-1054.5	-3421.4	-145.7	-451.7	-1054.5	-3421.9	-145.7	-455.9
c3mim-cl-p2	-34.7	-28.6	-1217.5	-3894.2	-1055.6	-3423.9	-145.7	-451.7	-1055.6	-3424.5	-145.9	-457.1
c3mim-cl-p3	-38.2	-32.3	-1218.7	-3895.0	-1055.1	-3423.0	-145.7	-451.7	-1055.1	-3423.6	-145.9	-456.8
c3mim-cl-p4	-43.3	-38.9	-1220.5	-3897.2	-1054.8	-3422.2	-145.7	-451.7	-1054.8	-3422.7	-145.7	-455.6
c3mim-dca-p1	-69.2	-64.4	-1749.0	-5327.0	-1053.2	-3414.6	-664.8	-1874.3	-1053.2	-3416.1	-664.7	-1877.6
c3mim-dca-p2	-70.5	-65.9	-1750.0	-5328.3	-1053.6	-3415.3	-664.8	-1874.1	-1053.6	-3416.8	-664.8	-1877.3
c3mim-dca-p3	-60.6	-55.6	-1745.5	-5323.6	-1053.7	-3416.2	-664.6	-1874.1	-1053.7	-3417.5	-664.6	-1877.8
c3mim-dca-p4	-71.9	-67.1	-1750.8	-5328.2	-1053.3	-3414.9	-664.8	-1874.0	-1053.3	-3416.4	-664.8	-1877.4
c3mim-dca-p5	-68.0	-63.7	-1747.9	-5325.6	-1052.8	-3414.2	-664.7	-1874.0	-1052.7	-3415.6	-664.6	-1876.9
c3mim-dca-p6	-66.7	-62.7	-1747.7	-5325.0	-1052.8	-3414.2	-664.9	-1874.0	-1052.8	-3415.6	-664.8	-1876.8
c3mim-mes-p1	-57.1	-50.2	-1893.2	-5800.0	-1054.2	-3416.1	-812.8	-2353.0	-1054.2	-3417.8	-812.9	-2358.1
c3mim-mes-p2	-49.3	-43.3	-1888.3	-5794.1	-1053.0	-3414.2	-812.8	-2353.1	-1053.0	-3415.8	-812.9	-2357.4
c3mim-ntf2-p1	-89.4	-77.9	-3682.0	-10620.4	-1053.4	-3414.7	-2590.4	-7154.5	-1053.3	-3417.1	-2590.7	-7163.3
c3mim-ntf2-p2	-60.9	-50.3	-3669.5	-10604.3	-1053.5	-3416.0	-2589.9	-7153.5	-1053.6	-3418.1	-2590.3	-7161.6
c3mim-ntf2-p3	-54.5	-45.2	-3667.7	-10598.6	-1053.1	-3415.0	-2590.3	-7153.4	-1053.1	-3417.0	-2590.6	-7160.3
c3mim-ntf2-p4	-76.3	-66.8	-3676.3	-10612.4	-1052.9	-3413.9	-2590.7	-7154.9	-1052.9	-3416.0	-2590.9	-7162.0
c3mim-pf6-p1	-45.2	-38.4	-2385.6	-7121.8	-1053.0	-3414.1	-1313.5	-3681.6	-1053.0	-3415.5	-1313.7	-3686.7
c3mim-pf6-p2	-40.3	-34.1	-2383.1	-7118.6	-1052.6	-3413.5	-1313.6	-3681.8	-1052.6	-3414.8	-1313.8	-3686.5
c3mim-tos-p1	-57.8	-50.4	-2578.2	-7783.5	-1054.0	-3415.8	-1497.9	-4336.2	-1054.0	-3417.6	-1498.0	-4341.7
c3mim-tos-p2	-54.4	-47.4	-2576.4	-7781.4	-1053.8	-3415.4	-1497.9	-4336.3	-1053.8	-3417.2	-1498.0	-4341.4

c3mpyr-bf4-p1	-37.9	-31.8	-1886.8	-5992.3	-1012.1	-3541.0	-858.4	-2429.7	-1012.1	-3541.9	-858.7	-2434.8
c3mpyr-bf4-p2	-35.3	-29.6	-1886.1	-5991.2	-1012.5	-3541.3	-858.4	-2429.8	-1012.5	-3542.1	-858.6	-2434.5
c3mpyr-bf4-p3	-35.3	-29.4	-1885.6	-5991.1	-1012.2	-3541.1	-858.4	-2429.7	-1012.1	-3541.9	-858.7	-2434.6
c3mpyr-br-p1	-66.7	-47.4	-1257.4	-4100.5	-1012.8	-3541.9	-216.3	-520.1	-1012.8	-3542.3	-221.1	-534.2
c3mpyr-br-p2	-63.2	-44.6	-1255.6	-4098.5	-1012.7	-3541.9	-216.3	-520.1	-1012.7	-3542.3	-220.9	-533.6
c3mpyr-br-p3	-63.7	-45.1	-1255.9	-4098.9	-1012.7	-3542.0	-216.3	-520.1	-1012.7	-3542.4	-220.9	-533.7
c3mpyr-cl-p1	-45.9	-40.6	-1179.0	-4019.3	-1012.9	-3542.0	-145.7	-451.7	-1012.8	-3542.3	-145.8	-456.7
c3mpyr-cl-p2	-44.7	-39.3	-1178.1	-4018.6	-1012.6	-3542.0	-145.7	-451.7	-1012.6	-3542.4	-145.8	-456.7
c3mpyr-cl-p3	-44.5	-39.2	-1178.2	-4018.7	-1012.8	-3542.1	-145.7	-451.7	-1012.8	-3542.4	-145.8	-456.7
c3mpyr-dca-p1	-47.2	-43.8	-1693.6	-5426.4	-1012.4	-3541.4	-659.2	-1859.8	-1012.3	-3542.1	-659.2	-1862.6
c3mpyr-dca-p2	-49.8	-46.0	-1694.3	-5428.1	-1012.3	-3541.3	-659.1	-1859.9	-1012.2	-3542.1	-659.1	-1863.0
c3mpyr-dca-p3	-45.7	-41.4	-1690.9	-5428.1	-1012.4	-3541.3	-659.1	-1860.6	-1012.3	-3542.1	-659.2	-1864.1
c3mpyr-dca-p4	-48.1	-44.7	-1693.6	-5427.5	-1012.5	-3541.5	-659.0	-1859.8	-1012.5	-3542.2	-659.0	-1862.6
c3mpyr-dca-p5	-50.1	-46.7	-1694.3	-5428.3	-1012.3	-3541.3	-659.1	-1859.9	-1012.2	-3542.0	-659.0	-1862.7
c3mpyr-mes-p1	-46.6	-40.0	-1846.0	-5920.7	-1012.1	-3541.2	-812.7	-2354.0	-1012.1	-3542.2	-812.9	-2359.5
c3mpyr-mes-p2	-42.3	-36.2	-1844.8	-5919.0	-1012.8	-3541.7	-812.8	-2354.1	-1012.7	-3542.7	-812.9	-2359.2
c3mpyr-mes-p3	-41.7	-35.7	-1844.0	-5918.4	-1012.3	-3541.6	-812.8	-2354.0	-1012.3	-3542.6	-812.9	-2359.0
c3mpyr-ntf2-p1	-58.1	-48.7	-3625.6	-10728.4	-1012.5	-3541.2	-2588.8	-7153.3	-1012.4	-3542.4	-2589.2	-7161.1
c3mpyr-ntf2-p2	-44.8	-37.0	-3620.2	-10718.4	-1012.2	-3540.9	-2588.6	-7152.1	-1012.1	-3541.9	-2588.9	-7158.6
c3mpyr-ntf2-p3	-54.9	-45.9	-3623.9	-10726.0	-1012.2	-3540.9	-2588.8	-7153.2	-1012.1	-3542.1	-2589.2	-7160.7
c3mpyr-ntf2-p4	-55.8	-46.7	-3624.3	-10726.7	-1012.3	-3541.1	-2588.8	-7153.0	-1012.2	-3542.3	-2589.2	-7160.7
c3mpyr-ntf2-p5	-46.3	-38.7	-3620.4	-10719.0	-1011.9	-3540.7	-2588.5	-7151.9	-1011.9	-3541.8	-2588.7	-7158.2
c3mpyr-ntf2-p6	-45.8	-38.1	-3620.6	-10719.2	-1012.3	-3541.1	-2588.6	-7152.0	-1012.3	-3542.1	-2588.9	-7158.5
c3mpyr-pf6-p1	-39.5	-32.3	-2342.2	-7246.0	-1012.0	-3540.8	-1313.7	-3682.2	-1012.0	-3541.7	-1314.0	-3688.3
c3mpyr-pf6-p2	-36.1	-29.5	-2341.1	-7244.3	-1012.3	-3541.0	-1313.7	-3682.2	-1012.3	-3541.9	-1314.0	-3687.8
c3mpyr-pf6-p3	-36.4	-29.6	-2340.9	-7244.6	-1012.2	-3541.0	-1313.7	-3682.2	-1012.1	-3541.8	-1314.0	-3688.0
c3mpyr-tos-p1	-45.0	-38.1	-2530.0	-7902.8	-1012.1	-3541.2	-1497.4	-4337.0	-1012.0	-3542.3	-1497.6	-4342.7
c3mpyr-tos-p2	-40.7	-34.4	-2528.7	-7900.9	-1012.8	-3541.7	-1497.4	-4337.0	-1012.7	-3542.7	-1497.5	-4342.3
c4mim-bf4-p1	-40.7	-34.6	-2039.9	-6255.6	-1163.5	-3801.2	-858.8	-2431.2	-1163.5	-3802.5	-859.0	-2435.8
c4mim-bf4-p2	-39.1	-33.3	-2039.1	-6254.6	-1163.5	-3801.1	-858.8	-2431.3	-1163.5	-3802.5	-859.0	-2435.5
c4mim-br-p1	-66.1	-48.4	-1409.9	-4366.1	-1164.8	-3808.7	-216.3	-520.1	-1164.8	-3809.3	-220.8	-532.7
c4mim-br-p2	-51.4	-33.7	-1404.0	-4359.7	-1165.5	-3810.5	-216.3	-520.1	-1165.6	-3811.0	-220.5	-533.0
c4mim-br-p3	-57.9	-39.0	-1406.6	-4362.4	-1165.1	-3809.7	-216.3	-520.1	-1165.1	-3810.2	-221.0	-533.6
c4mim-br-p4	-65.7	-48.5	-1410.2	-4366.3	-1165.0	-3809.4	-216.3	-520.1	-1165.0	-3810.0	-220.7	-532.3
c4mim-cl-p1	-44.8	-40.0	-1330.8	-4284.5	-1164.6	-3808.4	-145.7	-451.7	-1164.6	-3809.0	-145.7	-456.0
c4mim-cl-p2	-35.3	-29.1	-1327.9	-4281.6	-1165.8	-3811.0	-145.7	-451.7	-1165.8	-3811.6	-145.9	-457.2
c4mim-cl-p3	-39.7	-33.6	-1329.4	-4282.9	-1165.3	-3810.0	-145.7	-451.7	-1165.3	-3810.6	-145.9	-457.0
c4mim-cl-p4	-43.8	-39.3	-1330.7	-4284.4	-1164.8	-3809.0	-145.7	-451.7	-1164.8	-3809.6	-145.7	-455.7
c4mim-dca-p1	-70.0	-65.1	-1859.5	-5714.1	-1163.4	-3801.3	-664.8	-1874.3	-1163.4	-3802.7	-664.8	-1877.7

c4mim-dca-p2	-73.7	-68.5	-1861.7	-5715.9	-1163.6	-3801.6	-664.8	-1874.0	-1163.6	-3803.1	-664.8	-1877.6
c4mim-dca-p3	-68.3	-64.0	-1858.1	-5712.4	-1162.9	-3800.7	-664.7	-1874.0	-1162.9	-3802.1	-664.6	-1876.9
c4mim-mes-p1	-58.4	-51.3	-2003.9	-6187.3	-1164.4	-3802.7	-812.8	-2353.0	-1164.4	-3804.4	-812.9	-2358.3
c4mim-mes-p2	-49.4	-43.4	-1998.4	-6180.6	-1163.1	-3800.6	-812.8	-2353.1	-1163.1	-3802.2	-812.9	-2357.5
c4mim-pf6-p1	-47.8	-40.1	-2497.3	-7510.5	-1163.4	-3801.2	-1313.6	-3681.8	-1163.4	-3802.7	-1313.8	-3687.8
c4mim-pf6-p2	-40.4	-34.1	-2493.2	-7505.2	-1162.7	-3800.0	-1313.6	-3681.8	-1162.7	-3801.3	-1313.8	-3686.6
c4mim-tos-p1	-60.2	-52.4	-2689.5	-8171.6	-1164.2	-3802.5	-1497.9	-4336.3	-1164.2	-3804.4	-1498.0	-4342.0
c4mim-tos-p2	-55.6	-48.5	-2687.5	-8168.8	-1164.2	-3802.3	-1497.9	-4336.3	-1164.2	-3804.2	-1498.0	-4341.5
c4mpyr-bf4-p1	-38.1	-31.8	-1996.8	-6379.2	-1122.1	-3927.6	-858.4	-2429.7	-1122.0	-3928.5	-858.7	-2434.9
c4mpyr-bf4-p2	-35.5	-29.7	-1996.1	-6378.0	-1122.5	-3928.0	-858.4	-2429.8	-1122.4	-3928.8	-858.6	-2434.5
c4mpyr-bf4-p3	-35.6	-29.6	-1995.8	-6378.1	-1122.2	-3927.9	-858.4	-2429.8	-1122.2	-3928.7	-858.7	-2434.7
c4mpyr-br-p1	-67.3	-47.6	-1367.6	-4487.5	-1122.8	-3928.6	-216.3	-520.1	-1122.8	-3929.0	-221.2	-534.5
c4mpyr-br-p2	-64.0	-44.9	-1365.8	-4485.7	-1122.6	-3928.6	-216.3	-520.1	-1122.6	-3929.0	-221.0	-533.9
c4mpyr-br-p3	-64.3	-45.4	-1366.1	-4486.0	-1122.7	-3928.7	-216.3	-520.1	-1122.7	-3929.1	-221.0	-533.9
c4mpyr-cl-p1	-46.0	-40.6	-1288.9	-4405.9	-1122.8	-3928.6	-145.7	-451.7	-1122.8	-3929.0	-145.8	-456.8
c4mpyr-cl-p2	-45.3	-39.8	-1288.4	-4405.8	-1122.6	-3928.9	-145.7	-451.7	-1122.6	-3929.3	-145.8	-456.8
c4mpyr-cl-p3	-44.5	-39.1	-1288.1	-4405.4	-1122.8	-3928.8	-145.7	-451.7	-1122.8	-3929.1	-145.8	-456.7
c4mpyr-dca-p1	-47.1	-43.7	-1802.5	-5813.8	-1122.3	-3927.8	-659.1	-1860.0	-1122.2	-3928.5	-659.0	-1862.9
c4mpyr-dca-p2	-49.8	-46.0	-1804.3	-5814.9	-1122.3	-3928.1	-659.1	-1859.9	-1122.2	-3928.8	-659.1	-1863.1
c4mpyr-dca-p3	-48.1	-44.4	-1803.8	-5813.6	-1122.3	-3928.0	-659.1	-1859.8	-1122.2	-3928.8	-659.1	-1862.8
c4mpyr-dca-p4	-49.0	-45.4	-1803.5	-5814.7	-1122.3	-3928.0	-659.1	-1859.9	-1122.1	-3928.7	-659.1	-1863.0
c4mpyr-dca-p5	-50.2	-46.8	-1804.3	-5815.1	-1122.3	-3927.9	-659.1	-1859.9	-1122.2	-3928.7	-659.0	-1862.7
c4mpyr-mes-p1	-46.6	-40.0	-1956.0	-6307.5	-1122.1	-3927.9	-812.8	-2354.0	-1122.0	-3928.9	-812.9	-2359.6
c4mpyr-mes-p2	-42.8	-36.6	-1954.9	-6306.1	-1122.8	-3928.5	-812.8	-2354.1	-1122.7	-3929.4	-812.9	-2359.3
c4mpyr-mes-p3	-42.0	-35.8	-1954.1	-6305.3	-1122.3	-3928.3	-812.8	-2354.0	-1122.3	-3929.3	-812.9	-2359.1
c4mpyr-ntf2-p1	-58.3	-48.8	-3735.5	-11115.1	-1122.5	-3927.8	-2588.8	-7153.2	-1122.3	-3929.0	-2589.2	-7161.2
c4mpyr-ntf2-p2	-50.1	-41.5	-3732.0	-11107.8	-1122.1	-3927.5	-2588.5	-7151.7	-1122.0	-3928.7	-2588.8	-7158.9
c4mpyr-ntf2-p3	-56.2	-47.1	-3734.5	-11113.7	-1122.2	-3927.8	-2588.8	-7153.2	-1122.1	-3928.9	-2589.2	-7160.9
c4mpyr-ntf2-p4	-57.1	-47.6	-3734.8	-11114.3	-1122.3	-3927.8	-2588.8	-7153.1	-1122.2	-3929.0	-2589.2	-7161.0
c4mpyr-ntf2-p5	-47.1	-39.3	-3730.6	-11106.1	-1121.9	-3927.4	-2588.4	-7151.9	-1121.8	-3928.5	-2588.7	-7158.4
c4mpyr-ntf2-p6	-47.5	-39.5	-3731.3	-11106.8	-1122.3	-3927.8	-2588.5	-7151.9	-1122.2	-3928.9	-2588.8	-7158.7
c4mpyr-pf6-p1	-39.7	-32.4	-2452.2	-7632.9	-1122.0	-3927.5	-1313.7	-3682.2	-1122.0	-3928.4	-1314.0	-3688.4
c4mpyr-pf6-p2	-36.6	-29.8	-2451.3	-7631.4	-1122.3	-3927.8	-1313.7	-3682.2	-1122.3	-3928.6	-1314.0	-3687.9
c4mpyr-pf6-p3	-36.7	-29.8	-2451.0	-7631.6	-1122.2	-3927.7	-1313.7	-3682.2	-1122.1	-3928.5	-1314.0	-3688.1
c4mpyr-tos-p1	-45.3	-38.3	-2640.1	-8289.7	-1122.2	-3928.0	-1497.4	-4337.0	-1122.1	-3929.1	-1497.6	-4342.8
c4mpyr-tos-p2	-41.4	-35.0	-2638.9	-8288.1	-1122.8	-3928.4	-1497.4	-4337.0	-1122.7	-3929.4	-1497.6	-4342.4

2.3.3 T→Q

Table S 22: Raw CBS (T→Q) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-33.9	-32.4	-1703.8	-5309.3	-828.5	-2725.1	-859.1	-2566.4	-828.5	-2725.2	-859.3	-2567.7
clmim-br-p1	-52.6	-47.9	-1138.7	-3432.9	-830.5	-2732.2	-283.3	-673.0	-830.5	-2732.4	-284.5	-676.4
clmim-br-p2	-34.3	-30.1	-1130.2	-3422.4	-830.1	-2731.9	-283.3	-673.0	-830.1	-2732.0	-284.4	-676.0
clmim-cl-p1	-41.9	-39.7	-994.7	-3235.6	-830.3	-2732.0	-144.1	-482.1	-830.3	-2732.1	-144.4	-483.8
clmim-cl-p2	-29.6	-27.7	-989.7	-3229.0	-830.4	-2732.5	-144.1	-482.1	-830.4	-2732.6	-144.3	-483.7
clmim-dca-p1	-64.2	-63.0	-1522.9	-4701.2	-829.0	-2726.3	-663.4	-1941.2	-829.0	-2726.5	-663.5	-1942.2
clmim-dca-p2	-47.1	-45.9	-1514.9	-4692.7	-829.1	-2727.2	-663.1	-1941.2	-829.0	-2727.3	-663.2	-1942.2
clmim-mes-p1	-46.2	-44.4	-1666.6	-5210.1	-829.1	-2726.0	-814.6	-2460.8	-829.0	-2726.2	-814.7	-2462.3
clmim-ntf2-p1	-72.1	-70.2	-3459.1	-10283.3	-828.6	-2725.2	-2596.6	-7520.0	-828.5	-2725.5	-2596.6	-7521.6
clmim-ntf2-p2	-38.5	-36.6	-3443.8	-10264.4	-828.8	-2726.7	-2595.8	-7518.3	-828.8	-2726.9	-2595.9	-7519.8
clmim-ntf2-p3	-43.5	-41.8	-3447.1	-10266.5	-828.6	-2725.8	-2596.6	-7519.1	-828.5	-2726.1	-2596.6	-7520.5
clmim-pf6-p1	-36.2	-34.9	-2162.0	-6632.4	-828.5	-2725.2	-1316.3	-3888.2	-828.5	-2725.4	-1316.3	-3889.4
clmim-tos-p1	-43.5	-42.2	-2349.1	-7256.4	-828.7	-2725.7	-1498.7	-4508.9	-828.7	-2726.0	-1498.6	-4510.0
clmpyr-bf4-p1	-33.1	-31.4	-1658.5	-5419.8	-783.6	-2837.7	-858.8	-2565.0	-783.6	-2837.8	-858.9	-2566.4
clmpyr-bf4-p2	-30.6	-28.9	-1657.2	-5418.8	-783.8	-2837.9	-858.8	-2565.0	-783.8	-2838.0	-859.0	-2566.4
clmpyr-br-p1	-52.0	-47.3	-1091.9	-3539.4	-784.3	-2838.7	-283.3	-673.0	-784.3	-2838.8	-284.5	-676.4
clmpyr-br-p2	-49.6	-45.0	-1090.7	-3538.4	-784.3	-2838.9	-283.3	-673.0	-784.3	-2839.0	-284.4	-676.3
clmpyr-cl-p1	-43.5	-41.4	-949.2	-3343.6	-784.4	-2838.8	-144.1	-482.1	-784.4	-2838.9	-144.4	-483.8
clmpyr-cl-p2	-42.3	-40.3	-948.6	-3343.2	-784.4	-2838.9	-144.1	-482.1	-784.4	-2839.0	-144.3	-483.7
clmpyr-dca-p1	-43.8	-42.9	-1463.5	-4788.1	-784.2	-2838.4	-657.7	-1927.5	-784.2	-2838.5	-657.7	-1928.3
clmpyr-dca-p2	-47.9	-46.9	-1464.7	-4790.8	-784.0	-2838.1	-657.6	-1927.8	-784.0	-2838.3	-657.6	-1928.7
clmpyr-dca-p3	-44.2	-43.2	-1461.5	-4790.1	-783.7	-2837.9	-657.5	-1928.2	-783.7	-2838.0	-657.5	-1929.1
clmpyr-dca-p4	-46.3	-45.3	-1463.6	-4789.8	-783.7	-2837.9	-657.6	-1927.8	-783.7	-2838.0	-657.7	-1928.7
clmpyr-mes-p1	-41.2	-39.4	-1619.0	-5320.1	-783.6	-2838.0	-814.6	-2461.7	-783.6	-2838.1	-814.7	-2463.3
clmpyr-mes-p2	-36.3	-34.6	-1616.8	-5317.9	-783.8	-2838.3	-814.6	-2461.7	-783.9	-2838.5	-814.7	-2463.1
clmpyr-ntf2-p1	-48.0	-46.3	-3401.5	-10381.8	-784.0	-2837.8	-2594.9	-7518.7	-784.0	-2838.0	-2595.0	-7520.2
clmpyr-ntf2-p2	-37.2	-36.0	-3397.0	-10374.4	-783.7	-2837.6	-2594.9	-7517.9	-783.7	-2837.7	-2594.9	-7519.1
clmpyr-ntf2-p3	-46.4	-44.7	-3400.7	-10380.8	-784.0	-2837.9	-2594.8	-7518.4	-784.0	-2838.1	-2594.9	-7519.8
clmpyr-ntf2-p5	-38.5	-37.3	-3397.7	-10375.0	-783.9	-2837.8	-2594.8	-7517.6	-783.9	-2837.9	-2594.7	-7518.8
clmpyr-pf6-p1	-33.2	-31.6	-2116.1	-6743.5	-783.6	-2837.7	-1316.4	-3888.6	-783.7	-2837.8	-1316.5	-3890.0
clmpyr-pf6-p2	-30.9	-29.2	-2114.9	-6742.6	-783.8	-2837.8	-1316.4	-3888.7	-783.8	-2837.9	-1316.6	-3890.0
clmpyr-tos-p1	-38.4	-37.0	-2301.6	-7366.0	-783.7	-2838.0	-1498.1	-4509.4	-783.7	-2838.1	-1498.1	-4510.7
clmpyr-tos-p2	-33.5	-32.2	-2298.8	-7363.9	-783.8	-2838.1	-1498.1	-4509.3	-783.8	-2838.3	-1498.0	-4510.5

c2mim-bf4-p1	-36.1	-34.3	-1816.0	-5708.0	-939.5	-3122.9	-859.1	-2566.4	-939.5	-3123.0	-859.3	-2567.8
c2mim-bf4-p2	-33.5	-31.8	-1814.1	-5706.2	-939.1	-3122.2	-859.1	-2566.4	-939.0	-3122.4	-859.3	-2567.8
c2mim-br-p1	-54.5	-49.4	-1249.8	-3831.2	-940.9	-3129.3	-283.3	-673.0	-940.9	-3129.4	-284.7	-676.7
c2mim-br-p2	-38.8	-33.9	-1244.0	-3823.9	-941.8	-3131.0	-283.3	-673.0	-941.8	-3131.1	-284.6	-676.5
c2mim-br-p3	-39.1	-34.5	-1243.4	-3823.1	-941.1	-3130.1	-283.3	-673.0	-941.1	-3130.1	-284.5	-676.3
c2mim-br-p4	-54.1	-49.2	-1250.5	-3832.0	-941.6	-3130.5	-283.3	-673.0	-941.6	-3130.6	-284.6	-676.5
c2mim-cl-p1	-43.8	-41.4	-1106.0	-3634.0	-940.8	-3129.2	-144.1	-482.1	-940.8	-3129.3	-144.5	-484.0
c2mim-cl-p2	-32.4	-30.2	-1102.7	-3629.5	-942.1	-3131.6	-144.1	-482.1	-942.1	-3131.7	-144.4	-483.9
c2mim-cl-p3	-33.1	-31.0	-1102.2	-3628.9	-941.3	-3130.5	-144.1	-482.1	-941.3	-3130.6	-144.4	-483.8
c2mim-cl-p4	-42.9	-40.6	-1106.2	-3634.3	-941.4	-3130.1	-144.1	-482.1	-941.3	-3130.2	-144.4	-483.9
c2mim-dca-p1	-65.7	-64.3	-1633.7	-5099.3	-939.4	-3123.1	-663.3	-1941.5	-939.4	-3123.3	-663.4	-1942.7
c2mim-dca-p2	-61.7	-60.4	-1632.3	-5096.9	-939.6	-3123.2	-663.4	-1941.4	-939.6	-3123.4	-663.5	-1942.4
c2mim-dca-p3	-65.9	-64.6	-1635.0	-5099.9	-940.2	-3123.9	-663.5	-1941.3	-940.2	-3124.1	-663.6	-1942.4
c2mim-dca-p4	-62.9	-61.5	-1632.7	-5097.6	-939.5	-3123.2	-663.4	-1941.3	-939.5	-3123.4	-663.5	-1942.4
c2mim-dca-p5	-64.2	-63.0	-1633.4	-5098.3	-939.5	-3123.3	-663.5	-1941.2	-939.5	-3123.5	-663.5	-1942.2
c2mim-dca-p6	-64.7	-63.4	-1633.2	-5098.5	-939.4	-3122.9	-663.5	-1941.3	-939.3	-3123.1	-663.5	-1942.3
c2mim-mes-p1	-51.9	-49.8	-1780.5	-5611.0	-940.3	-3124.1	-814.6	-2460.7	-940.3	-3124.3	-814.7	-2462.4
c2mim-mes-p2	-46.6	-44.8	-1777.1	-5607.4	-939.5	-3122.9	-814.6	-2460.8	-939.4	-3123.1	-814.7	-2462.4
c2mim-ntf2-p1	-78.2	-76.1	-3573.1	-10684.3	-939.6	-3123.0	-2596.6	-7519.9	-939.6	-3123.3	-2596.6	-7521.7
c2mim-ntf2-p2	-49.0	-46.9	-3559.9	-10668.6	-939.8	-3124.3	-2596.2	-7519.2	-939.8	-3124.6	-2596.2	-7520.9
c2mim-ntf2-p3	-46.7	-44.9	-3559.6	-10665.4	-939.3	-3123.3	-2596.6	-7519.0	-939.3	-3123.5	-2596.7	-7520.7
c2mim-ntf2-p4	-68.7	-66.8	-3569.0	-10679.2	-939.5	-3122.9	-2596.9	-7520.2	-939.5	-3123.2	-2596.9	-7521.9
c2mim-pf6-p1	-40.0	-38.5	-2274.8	-7031.9	-939.4	-3122.8	-1316.3	-3888.2	-939.4	-3123.0	-1316.3	-3889.6
c2mim-pf6-p2	-36.3	-34.9	-2272.5	-7029.6	-939.0	-3122.2	-1316.3	-3888.3	-939.0	-3122.4	-1316.3	-3889.4
c2mim-tos-p1	-50.8	-49.3	-2464.1	-7658.1	-940.1	-3123.9	-1498.6	-4508.7	-940.1	-3124.0	-1498.6	-4510.1
c2mim-tos-p2	-44.5	-43.1	-2460.3	-7654.1	-939.5	-3123.0	-1498.7	-4508.8	-939.4	-3123.2	-1498.6	-4510.1
c2mpyr-bf4-p1	-33.5	-31.8	-1771.3	-5820.3	-896.3	-3238.0	-858.8	-2565.0	-896.3	-3238.1	-858.9	-2566.4
c2mpyr-bf4-p2	-31.3	-29.9	-1770.8	-5819.5	-896.8	-3238.4	-858.8	-2565.1	-896.8	-3238.5	-858.9	-2566.3
c2mpyr-bf4-p3	-31.1	-29.5	-1770.1	-5819.3	-896.4	-3238.1	-858.8	-2565.0	-896.4	-3238.2	-858.9	-2566.4
c2mpyr-br-p1	-53.0	-48.0	-1205.0	-3940.2	-897.0	-3238.9	-283.3	-673.0	-897.0	-3239.0	-284.6	-676.6
c2mpyr-br-p2	-51.1	-46.3	-1204.1	-3939.6	-896.9	-3239.3	-283.3	-673.0	-896.9	-3239.4	-284.5	-676.4
c2mpyr-br-p3	-50.6	-45.8	-1203.6	-3939.1	-896.9	-3239.0	-283.3	-673.0	-896.9	-3239.1	-284.5	-676.4
c2mpyr-cl-p1	-44.0	-41.7	-1062.1	-3744.1	-897.1	-3239.0	-144.1	-482.1	-897.1	-3239.1	-144.4	-483.9
c2mpyr-cl-p2	-42.7	-40.6	-1061.2	-3743.5	-896.8	-3239.1	-144.1	-482.1	-896.8	-3239.2	-144.4	-483.7
c2mpyr-cl-p3	-42.6	-40.4	-1061.3	-3743.6	-897.0	-3239.1	-144.1	-482.1	-897.0	-3239.2	-144.4	-483.8
c2mpyr-dca-p1	-43.9	-42.9	-1576.1	-5188.4	-896.8	-3238.6	-657.7	-1927.6	-896.8	-3238.7	-657.7	-1928.4
c2mpyr-dca-p2	-47.5	-46.4	-1577.3	-5190.6	-896.5	-3238.3	-657.7	-1927.9	-896.5	-3238.4	-657.7	-1928.8
c2mpyr-dca-p3	-48.3	-47.2	-1577.4	-5191.1	-896.5	-3238.2	-657.6	-1927.8	-896.5	-3238.4	-657.6	-1928.7
c2mpyr-mes-p1	-42.3	-40.5	-1732.2	-5721.1	-896.3	-3238.3	-814.6	-2461.7	-896.3	-3238.4	-814.7	-2463.3

c2mpyr-mes-p2	-38.8	-37.2	-1731.1	-5719.9	-897.0	-3238.8	-814.6	-2461.8	-897.0	-3238.9	-814.7	-2463.3
c2mpyr-mes-p3	-37.7	-35.9	-1730.0	-5719.0	-896.5	-3238.5	-814.6	-2461.7	-896.5	-3238.7	-814.7	-2463.2
c2mpyr-ntf2-p1	-49.4	-47.5	-3515.1	-10782.8	-896.7	-3238.0	-2595.1	-7518.8	-896.7	-3238.1	-2595.2	-7520.4
c2mpyr-ntf2-p2	-39.2	-37.9	-3510.6	-10775.7	-896.3	-3237.8	-2594.9	-7518.0	-896.3	-3237.9	-2594.9	-7519.3
c2mpyr-ntf2-p3	-48.1	-46.4	-3514.3	-10782.0	-896.5	-3238.0	-2595.0	-7518.7	-896.5	-3238.2	-2595.0	-7520.2
c2mpyr-ntf2-p4	-47.0	-45.3	-3513.7	-10781.6	-896.5	-3238.0	-2595.0	-7518.7	-896.5	-3238.2	-2595.1	-7520.2
c2mpyr-ntf2-p5	-40.8	-39.6	-3511.1	-10776.3	-896.1	-3237.8	-2594.8	-7517.8	-896.2	-3237.9	-2594.7	-7519.0
c2mpyr-ntf2-p6	-38.7	-37.4	-3510.5	-10775.6	-896.5	-3238.0	-2595.0	-7518.0	-896.5	-3238.2	-2594.9	-7519.2
c2mpyr-pf6-p1	-33.4	-31.9	-2229.1	-7144.0	-896.5	-3238.1	-1316.4	-3888.6	-896.5	-3238.2	-1316.5	-3889.9
c2mpyr-pf6-p2	-31.5	-30.1	-2228.2	-7143.1	-896.6	-3238.1	-1316.4	-3888.7	-896.6	-3238.2	-1316.5	-3889.9
c2mpyr-pf6-p3	-31.3	-29.6	-2227.8	-7143.0	-896.4	-3238.0	-1316.4	-3888.7	-896.4	-3238.1	-1316.6	-3890.1
c2mpyr-tos-p1	-39.7	-38.3	-2414.8	-7767.1	-896.3	-3238.2	-1498.2	-4509.4	-896.3	-3238.4	-1498.1	-4510.7
c2mpyr-tos-p2	-36.4	-35.2	-2413.6	-7765.9	-897.0	-3238.7	-1498.1	-4509.4	-897.0	-3238.9	-1498.0	-4510.6
c3mim-bf4-p1	-36.8	-35.0	-1926.0	-6105.2	-1049.1	-3519.6	-859.1	-2566.4	-1049.1	-3519.7	-859.4	-2567.9
c3mim-bf4-p2	-35.7	-34.0	-1925.4	-6104.7	-1049.2	-3519.6	-859.1	-2566.4	-1049.1	-3519.7	-859.3	-2567.8
c3mim-br-p1	-55.3	-49.9	-1359.8	-4228.8	-1050.5	-3526.5	-283.3	-673.0	-1050.5	-3526.6	-284.7	-676.8
c3mim-br-p2	-39.4	-34.3	-1353.6	-4221.2	-1051.2	-3528.0	-283.3	-673.0	-1051.2	-3528.1	-284.6	-676.6
c3mim-br-p3	-43.8	-38.9	-1355.4	-4222.9	-1050.8	-3527.3	-283.3	-673.0	-1050.8	-3527.4	-284.6	-676.5
c3mim-br-p4	-55.7	-50.5	-1360.5	-4229.6	-1050.8	-3527.2	-283.3	-673.0	-1050.8	-3527.4	-284.7	-676.7
c3mim-cl-p1	-44.2	-41.8	-1215.8	-4031.3	-1050.4	-3526.3	-144.1	-482.1	-1050.4	-3526.4	-144.5	-484.0
c3mim-cl-p2	-32.6	-30.3	-1212.1	-4026.6	-1051.5	-3528.5	-144.1	-482.1	-1051.5	-3528.6	-144.4	-483.9
c3mim-cl-p3	-36.3	-34.1	-1213.4	-4027.8	-1051.0	-3527.7	-144.1	-482.1	-1051.0	-3527.8	-144.4	-483.9
c3mim-cl-p4	-43.6	-41.3	-1215.8	-4031.5	-1050.6	-3526.9	-144.1	-482.1	-1050.6	-3527.0	-144.4	-483.9
c3mim-dca-p1	-66.6	-65.1	-1743.8	-5496.5	-1049.0	-3519.7	-663.4	-1941.5	-1049.0	-3519.9	-663.4	-1942.8
c3mim-dca-p2	-68.0	-66.6	-1744.7	-5497.7	-1049.4	-3520.3	-663.4	-1941.4	-1049.4	-3520.5	-663.5	-1942.5
c3mim-dca-p3	-57.3	-56.0	-1740.0	-5492.3	-1049.4	-3521.0	-663.2	-1941.4	-1049.4	-3521.2	-663.2	-1942.5
c3mim-dca-p4	-69.2	-67.8	-1745.5	-5497.5	-1049.2	-3520.0	-663.4	-1941.3	-1049.1	-3520.1	-663.5	-1942.5
c3mim-dca-p5	-65.8	-64.5	-1742.7	-5495.4	-1048.6	-3519.2	-663.3	-1941.3	-1048.6	-3519.4	-663.4	-1942.3
c3mim-dca-p6	-64.8	-63.5	-1742.5	-5495.0	-1048.7	-3519.2	-663.5	-1941.3	-1048.6	-3519.4	-663.6	-1942.4
c3mim-mes-p1	-54.3	-52.1	-1891.5	-6009.2	-1050.0	-3521.1	-814.6	-2460.7	-1050.0	-3521.2	-814.8	-2462.6
c3mim-mes-p2	-47.0	-45.2	-1886.6	-6004.1	-1048.9	-3519.4	-814.6	-2460.8	-1048.8	-3519.6	-814.7	-2462.4
c3mim-ntf2-p1	-81.6	-79.4	-3684.3	-11082.8	-1049.2	-3519.7	-2596.7	-7520.0	-1049.1	-3520.0	-2596.6	-7522.0
c3mim-ntf2-p2	-53.3	-51.1	-3671.5	-11067.4	-1049.4	-3520.9	-2596.2	-7519.2	-1049.4	-3521.2	-2596.3	-7521.1
c3mim-ntf2-p3	-48.5	-46.5	-3670.0	-11063.0	-1048.9	-3520.0	-2596.6	-7519.0	-1048.8	-3520.2	-2596.7	-7520.8
c3mim-ntf2-p4	-70.2	-68.2	-3678.7	-11076.4	-1048.7	-3518.9	-2596.9	-7520.3	-1048.7	-3519.3	-2596.9	-7522.0
c3mim-pf6-p1	-41.0	-39.4	-2384.4	-7428.9	-1048.9	-3519.2	-1316.2	-3888.1	-1048.8	-3519.4	-1316.3	-3889.4
c3mim-pf6-p2	-36.4	-35.0	-2381.9	-7426.1	-1048.4	-3518.6	-1316.3	-3888.3	-1048.4	-3518.8	-1316.3	-3889.5
c3mim-tos-p1	-53.8	-52.2	-2575.2	-8056.6	-1049.8	-3520.8	-1498.7	-4508.8	-1049.8	-3521.0	-1498.6	-4510.3
c3mim-tos-p2	-50.6	-49.1	-2573.4	-8054.6	-1049.6	-3520.3	-1498.7	-4508.8	-1049.5	-3520.5	-1498.6	-4510.2

c3mpyr-bf4-p1	-33.9	-32.2	-1881.0	-6217.7	-1005.8	-3635.2	-858.8	-2565.0	-1005.8	-3635.3	-858.9	-2566.5
c3mpyr-bf4-p2	-31.4	-29.9	-1880.2	-6216.6	-1006.1	-3635.4	-858.8	-2565.0	-1006.1	-3635.5	-858.9	-2566.3
c3mpyr-bf4-p3	-31.5	-29.7	-1879.7	-6216.6	-1005.8	-3635.2	-858.8	-2565.0	-1005.8	-3635.4	-859.0	-2566.4
c3mpyr-br-p1	-54.0	-48.9	-1314.9	-4337.9	-1006.5	-3636.1	-283.3	-673.0	-1006.5	-3636.2	-284.6	-676.7
c3mpyr-br-p2	-50.6	-45.9	-1313.2	-4336.0	-1006.3	-3636.0	-283.3	-673.0	-1006.3	-3636.1	-284.5	-676.3
c3mpyr-br-p3	-51.4	-46.6	-1313.5	-4336.7	-1006.4	-3636.1	-283.3	-673.0	-1006.4	-3636.3	-284.5	-676.5
c3mpyr-cl-p1	-44.5	-42.2	-1171.7	-4141.5	-1006.5	-3636.1	-144.1	-482.1	-1006.5	-3636.2	-144.4	-483.9
c3mpyr-cl-p2	-42.8	-40.7	-1170.7	-4140.6	-1006.2	-3636.1	-144.1	-482.1	-1006.2	-3636.2	-144.4	-483.8
c3mpyr-cl-p3	-43.0	-40.7	-1170.9	-4140.9	-1006.5	-3636.2	-144.1	-482.1	-1006.5	-3636.4	-144.4	-483.8
c3mpyr-dca-p1	-45.2	-44.1	-1686.0	-5586.1	-1006.0	-3635.5	-657.7	-1927.8	-1006.0	-3635.6	-657.8	-1928.6
c3mpyr-dca-p2	-47.5	-46.4	-1686.7	-5587.6	-1005.9	-3635.4	-657.7	-1927.9	-1005.9	-3635.5	-657.7	-1928.8
c3mpyr-dca-p3	-42.9	-41.9	-1683.3	-5587.2	-1006.0	-3635.4	-657.7	-1928.5	-1006.0	-3635.5	-657.7	-1929.4
c3mpyr-dca-p4	-46.2	-45.1	-1686.0	-5587.3	-1006.2	-3635.6	-657.6	-1927.7	-1006.2	-3635.7	-657.6	-1928.7
c3mpyr-dca-p5	-48.2	-47.1	-1686.8	-5588.2	-1006.0	-3635.4	-657.6	-1927.8	-1006.0	-3635.5	-657.7	-1928.7
c3mpyr-mes-p1	-43.1	-41.2	-1841.9	-6118.7	-1005.8	-3635.4	-814.6	-2461.7	-1005.8	-3635.6	-814.7	-2463.4
c3mpyr-mes-p2	-39.1	-37.3	-1840.6	-6117.1	-1006.4	-3635.8	-814.6	-2461.8	-1006.4	-3636.0	-814.7	-2463.3
c3mpyr-mes-p3	-38.6	-36.7	-1839.9	-6116.6	-1006.0	-3635.7	-814.6	-2461.7	-1006.0	-3635.9	-814.7	-2463.3
c3mpyr-ntf2-p1	-51.6	-49.5	-3625.6	-11181.3	-1006.2	-3635.3	-2595.0	-7518.8	-1006.2	-3635.5	-2595.2	-7520.6
c3mpyr-ntf2-p2	-39.5	-37.8	-3620.3	-11172.8	-1005.8	-3635.0	-2594.9	-7517.9	-1005.8	-3635.2	-2595.0	-7519.3
c3mpyr-ntf2-p3	-48.4	-46.6	-3623.8	-11179.2	-1005.8	-3635.0	-2595.0	-7518.8	-1005.8	-3635.2	-2595.1	-7520.3
c3mpyr-ntf2-p4	-49.2	-47.3	-3624.2	-11179.7	-1005.9	-3635.2	-2594.9	-7518.6	-1005.9	-3635.4	-2595.0	-7520.2
c3mpyr-ntf2-p5	-40.7	-39.5	-3620.4	-11173.3	-1005.6	-3634.9	-2594.8	-7517.8	-1005.6	-3635.0	-2594.7	-7518.9
c3mpyr-ntf2-p6	-40.2	-38.8	-3620.7	-11173.5	-1006.0	-3635.2	-2594.9	-7517.9	-1006.0	-3635.4	-2594.8	-7519.1
c3mpyr-pf6-p1	-34.7	-32.9	-2338.7	-7541.6	-1005.7	-3635.0	-1316.4	-3888.6	-1005.7	-3635.1	-1316.5	-3890.1
c3mpyr-pf6-p2	-31.5	-29.9	-2337.5	-7540.1	-1006.0	-3635.1	-1316.4	-3888.7	-1006.0	-3635.3	-1316.5	-3889.9
c3mpyr-pf6-p3	-31.9	-30.1	-2337.4	-7540.4	-1005.8	-3635.1	-1316.4	-3888.7	-1005.8	-3635.2	-1316.6	-3890.1
c3mpyr-tos-p1	-40.7	-39.2	-2524.5	-8164.7	-1005.8	-3635.4	-1498.1	-4509.3	-1005.8	-3635.5	-1498.0	-4510.7
c3mpyr-tos-p2	-36.7	-35.3	-2523.1	-8163.1	-1006.4	-3635.8	-1498.1	-4509.3	-1006.4	-3635.9	-1498.0	-4510.6
c4mim-bf4-p1	-37.3	-35.5	-2035.7	-6502.1	-1158.6	-3916.3	-859.1	-2566.4	-1158.6	-3916.4	-859.4	-2568.0
c4mim-bf4-p2	-35.9	-34.2	-2034.9	-6501.3	-1158.5	-3916.2	-859.1	-2566.4	-1158.5	-3916.3	-859.3	-2567.9
c4mim-br-p1	-56.3	-50.8	-1469.7	-4626.5	-1159.9	-3923.6	-283.3	-673.0	-1159.9	-3923.7	-284.8	-676.9
c4mim-br-p2	-40.5	-35.2	-1463.6	-4619.0	-1160.7	-3925.1	-283.3	-673.0	-1160.7	-3925.2	-284.7	-676.8
c4mim-br-p3	-45.9	-40.7	-1465.8	-4621.1	-1160.3	-3924.5	-283.3	-673.0	-1160.3	-3924.5	-284.7	-676.7
c4mim-br-p4	-56.2	-51.0	-1470.1	-4626.8	-1160.2	-3924.2	-283.3	-673.0	-1160.2	-3924.3	-284.7	-676.8
c4mim-cl-p1	-44.8	-42.4	-1325.4	-4428.7	-1159.8	-3923.4	-144.1	-482.1	-1159.8	-3923.5	-144.5	-484.1
c4mim-cl-p2	-33.2	-30.8	-1321.8	-4424.0	-1160.9	-3925.6	-144.1	-482.1	-1160.9	-3925.7	-144.4	-484.0
c4mim-cl-p3	-37.7	-35.4	-1323.5	-4425.6	-1160.4	-3924.8	-144.1	-482.1	-1160.4	-3924.9	-144.4	-484.0
c4mim-cl-p4	-44.0	-41.7	-1325.4	-4428.6	-1160.0	-3923.8	-144.1	-482.1	-1160.0	-3923.9	-144.4	-483.9
c4mim-dca-p1	-67.3	-65.8	-1853.6	-5893.6	-1158.5	-3916.4	-663.4	-1941.6	-1158.5	-3916.6	-663.5	-1942.8

c4mim-dca-p2	-70.7	-69.3	-1855.7	-5895.1	-1158.7	-3916.7	-663.4	-1941.3	-1158.6	-3916.8	-663.5	-1942.5
c4mim-dca-p3	-66.1	-64.7	-1852.2	-5892.2	-1158.0	-3915.8	-663.3	-1941.3	-1158.0	-3916.0	-663.4	-1942.4
c4mim-mes-p1	-55.4	-53.2	-2001.5	-6406.4	-1159.5	-3917.7	-814.6	-2460.7	-1159.4	-3917.9	-814.8	-2462.6
c4mim-mes-p2	-47.1	-45.2	-1996.0	-6400.6	-1158.2	-3915.8	-814.6	-2460.8	-1158.2	-3916.0	-814.7	-2462.4
c4mim-pf6-p1	-42.8	-41.1	-2495.3	-7826.9	-1158.5	-3916.3	-1316.3	-3888.2	-1158.5	-3916.5	-1316.3	-3889.7
c4mim-pf6-p2	-36.4	-35.0	-2491.2	-7822.7	-1157.8	-3915.1	-1316.3	-3888.3	-1157.8	-3915.3	-1316.3	-3889.5
c4mim-tos-p1	-55.9	-54.3	-2685.8	-8454.4	-1159.3	-3917.5	-1498.7	-4508.8	-1159.3	-3917.7	-1498.6	-4510.4
c4mim-tos-p2	-51.8	-50.2	-2683.8	-8452.1	-1159.3	-3917.4	-1498.7	-4508.8	-1159.3	-3917.6	-1498.6	-4510.3
c4mpyr-bf4-p1	-34.0	-32.2	-1990.3	-6614.5	-1115.1	-4031.9	-858.8	-2565.0	-1115.1	-4032.0	-858.9	-2566.5
c4mpyr-bf4-p2	-31.6	-30.0	-1989.5	-6613.5	-1115.4	-4032.2	-858.8	-2565.0	-1115.4	-4032.3	-858.9	-2566.4
c4mpyr-bf4-p3	-31.7	-29.9	-1989.1	-6613.6	-1115.2	-4032.1	-858.8	-2565.0	-1115.2	-4032.2	-859.0	-2566.5
c4mpyr-br-p1	-54.2	-49.1	-1424.3	-4734.9	-1115.8	-4032.9	-283.3	-673.0	-1115.8	-4033.0	-284.6	-676.7
c4mpyr-br-p2	-50.9	-46.2	-1422.6	-4733.1	-1115.6	-4032.9	-283.3	-673.0	-1115.6	-4033.0	-284.5	-676.4
c4mpyr-br-p3	-51.7	-46.8	-1423.0	-4733.7	-1115.7	-4032.9	-283.3	-673.0	-1115.7	-4033.1	-284.6	-676.5
c4mpyr-cl-p1	-44.5	-42.1	-1281.0	-4538.3	-1115.8	-4032.9	-144.1	-482.1	-1115.8	-4033.0	-144.4	-483.9
c4mpyr-cl-p2	-43.4	-41.2	-1280.3	-4537.9	-1115.6	-4033.1	-144.1	-482.1	-1115.6	-4033.2	-144.4	-483.9
c4mpyr-cl-p3	-42.9	-40.7	-1280.1	-4537.7	-1115.8	-4033.0	-144.1	-482.1	-1115.8	-4033.1	-144.4	-483.8
c4mpyr-dca-p1	-45.2	-44.0	-1794.3	-5983.6	-1115.3	-4032.0	-657.6	-1927.9	-1115.3	-4032.1	-657.7	-1928.9
c4mpyr-dca-p2	-47.4	-46.3	-1796.0	-5984.5	-1115.2	-4032.2	-657.7	-1927.9	-1115.2	-4032.4	-657.7	-1928.8
c4mpyr-dca-p3	-45.9	-44.9	-1795.6	-5983.3	-1115.3	-4032.2	-657.7	-1927.7	-1115.3	-4032.3	-657.7	-1928.6
c4mpyr-dca-p4	-46.9	-45.7	-1795.3	-5984.5	-1115.2	-4032.2	-657.7	-1927.9	-1115.2	-4032.3	-657.7	-1928.8
c4mpyr-dca-p5	-48.3	-47.2	-1796.1	-5985.1	-1115.3	-4032.1	-657.6	-1927.8	-1115.3	-4032.3	-657.7	-1928.8
c4mpyr-mes-p1	-43.1	-41.2	-1951.2	-6515.5	-1115.1	-4032.2	-814.6	-2461.7	-1115.1	-4032.3	-814.7	-2463.4
c4mpyr-mes-p2	-39.6	-37.7	-1950.1	-6514.3	-1115.8	-4032.7	-814.6	-2461.8	-1115.8	-4032.8	-814.7	-2463.4
c4mpyr-mes-p3	-38.8	-36.9	-1949.3	-6513.6	-1115.3	-4032.5	-814.6	-2461.7	-1115.3	-4032.7	-814.7	-2463.3
c4mpyr-ntf2-p1	-51.6	-49.5	-3734.8	-11578.0	-1115.4	-4032.0	-2595.0	-7518.7	-1115.4	-4032.2	-2595.2	-7520.5
c4mpyr-ntf2-p2	-44.0	-42.4	-3731.5	-11571.7	-1115.1	-4031.8	-2594.8	-7517.6	-1115.1	-4031.9	-2594.8	-7519.0
c4mpyr-ntf2-p3	-49.6	-47.7	-3733.7	-11576.7	-1115.1	-4032.0	-2595.0	-7518.7	-1115.1	-4032.1	-2595.1	-7520.3
c4mpyr-ntf2-p4	-50.2	-48.3	-3734.0	-11577.1	-1115.2	-4032.0	-2595.0	-7518.7	-1115.2	-4032.2	-2595.1	-7520.3
c4mpyr-ntf2-p5	-41.4	-40.1	-3730.0	-11570.5	-1114.9	-4031.7	-2594.8	-7517.8	-1114.9	-4031.8	-2594.7	-7519.0
c4mpyr-ntf2-p6	-41.7	-40.3	-3730.6	-11571.0	-1115.3	-4032.0	-2594.9	-7517.8	-1115.3	-4032.2	-2594.8	-7519.1
c4mpyr-pf6-p1	-34.8	-33.0	-2448.1	-7938.5	-1115.0	-4031.8	-1316.4	-3888.6	-1115.0	-4031.9	-1316.6	-3890.2
c4mpyr-pf6-p2	-31.9	-30.3	-2447.0	-7937.2	-1115.3	-4032.0	-1316.4	-3888.7	-1115.3	-4032.1	-1316.5	-3890.0
c4mpyr-pf6-p3	-32.1	-30.3	-2446.8	-7937.4	-1115.1	-4031.9	-1316.4	-3888.7	-1115.1	-4032.1	-1316.6	-3890.1
c4mpyr-tos-p1	-40.9	-39.4	-2634.0	-8561.7	-1115.2	-4032.3	-1498.1	-4509.3	-1115.2	-4032.4	-1498.1	-4510.8
c4mpyr-tos-p2	-37.3	-35.9	-2632.8	-8560.4	-1115.7	-4032.6	-1498.2	-4509.4	-1115.7	-4032.8	-1498.1	-4510.7

2.3.4 augmented T→Q

Table S 23: Raw CBS (augmented T→Q) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-32.7	-32.1	-1699.8	-5325.4	-827.3	-2730.0	-856.9	-2578.4	-827.3	-2729.9	-856.8	-2579.1
clmim-br-p1	-56.8	-47.0	-1139.5	-3446.1	-829.2	-2737.1	-284.0	-678.5	-829.2	-2737.2	-287.1	-685.1
clmim-br-p2	-39.9	-29.7	-1131.5	-3436.8	-828.9	-2737.0	-284.0	-678.5	-828.9	-2736.9	-287.1	-685.6
clmim-cl-p1	-39.1	-38.2	-992.1	-3242.1	-829.1	-2736.8	-143.9	-485.3	-829.0	-2736.9	-143.8	-486.3
clmim-cl-p2	-28.2	-26.6	-987.4	-3236.7	-829.2	-2737.5	-143.9	-485.3	-829.2	-2737.4	-143.9	-487.1
clmim-dca-p1	-63.4	-62.6	-1520.2	-4712.5	-827.8	-2731.1	-662.4	-1948.0	-827.7	-2731.1	-662.4	-1948.9
clmim-dca-p2	-46.4	-45.7	-1512.3	-4704.1	-827.8	-2732.0	-662.1	-1948.0	-827.8	-2731.9	-662.0	-1949.0
clmim-mes-p1	-44.3	-43.4	-1662.0	-5224.1	-827.8	-2730.8	-812.1	-2471.1	-827.8	-2730.8	-812.1	-2472.0
clmim-ntf2-p1	-70.6	-69.4	-3448.8	-10318.7	-827.4	-2730.1	-2588.2	-7551.3	-827.2	-2730.1	-2588.1	-7552.6
clmim-ntf2-p2	-37.6	-36.3	-3433.6	-10300.1	-827.6	-2731.6	-2587.4	-7549.6	-827.5	-2731.5	-2587.3	-7551.1
clmim-ntf2-p3	-42.3	-41.1	-3436.9	-10302.1	-827.4	-2730.7	-2588.2	-7550.4	-827.3	-2730.7	-2588.2	-7551.8
clmim-pf6-p1	-35.6	-34.5	-2155.5	-6654.1	-827.3	-2730.0	-1311.3	-3905.3	-827.3	-2730.0	-1311.4	-3906.5
clmim-tos-p1	-42.0	-41.4	-2343.3	-7274.3	-827.5	-2730.6	-1494.7	-4522.8	-827.4	-2730.5	-1494.7	-4523.6
clmpyr-bf4-p1	-32.1	-31.2	-1654.1	-5434.4	-782.0	-2840.9	-856.5	-2577.0	-782.0	-2840.9	-856.5	-2578.0
clmpyr-bf4-p2	-29.7	-28.8	-1653.0	-5433.5	-782.2	-2841.0	-856.5	-2577.0	-782.2	-2841.0	-856.5	-2578.0
clmpyr-br-p1	-57.4	-46.5	-1092.7	-3551.8	-782.7	-2841.9	-284.0	-678.5	-782.7	-2841.9	-287.4	-685.9
clmpyr-br-p2	-54.4	-44.4	-1091.3	-3550.4	-782.7	-2842.1	-284.0	-678.5	-782.7	-2842.1	-287.1	-685.3
clmpyr-cl-p1	-41.5	-40.0	-946.4	-3349.1	-782.8	-2842.0	-143.9	-485.3	-782.8	-2842.0	-143.8	-486.8
clmpyr-cl-p2	-40.4	-38.9	-945.7	-3348.8	-782.8	-2842.1	-143.9	-485.3	-782.8	-2842.1	-143.8	-486.8
clmpyr-dca-p1	-43.2	-42.6	-1460.5	-4797.8	-782.6	-2841.6	-656.6	-1934.3	-782.6	-2841.5	-656.6	-1935.0
clmpyr-dca-p2	-47.3	-46.6	-1461.7	-4800.4	-782.4	-2841.3	-656.6	-1934.6	-782.4	-2841.2	-656.6	-1935.4
clmpyr-dca-p3	-43.4	-42.8	-1458.4	-4799.6	-782.1	-2841.1	-656.4	-1934.9	-782.1	-2841.1	-656.4	-1935.7
clmpyr-dca-p4	-45.6	-45.0	-1460.6	-4799.4	-782.1	-2841.1	-656.6	-1934.6	-782.1	-2841.0	-656.6	-1935.4
clmpyr-mes-p1	-39.6	-38.5	-1614.1	-5332.8	-782.0	-2841.2	-812.0	-2472.1	-782.0	-2841.1	-812.0	-2473.3
clmpyr-mes-p2	-35.1	-33.9	-1612.0	-5330.8	-782.2	-2841.5	-812.0	-2472.0	-782.2	-2841.4	-812.0	-2473.3
clmpyr-ntf2-p1	-47.0	-45.8	-3391.0	-10416.0	-782.4	-2841.0	-2586.5	-7550.1	-782.3	-2840.9	-2586.4	-7551.5
clmpyr-ntf2-p2	-36.6	-35.3	-3386.5	-10408.7	-782.1	-2840.7	-2586.5	-7549.3	-782.0	-2840.7	-2586.5	-7550.7
clmpyr-ntf2-p3	-45.7	-44.4	-3390.3	-10415.1	-782.4	-2841.1	-2586.4	-7549.9	-782.3	-2841.0	-2586.3	-7551.3
clmpyr-ntf2-p5	-38.1	-36.6	-3387.2	-10409.5	-782.3	-2841.0	-2586.3	-7549.0	-782.3	-2841.0	-2586.3	-7550.5
clmpyr-pf6-p1	-32.5	-31.2	-2109.1	-6763.5	-782.1	-2840.8	-1311.5	-3905.7	-782.0	-2840.8	-1311.5	-3907.0
clmpyr-pf6-p2	-30.2	-28.9	-2107.9	-6762.7	-782.2	-2840.9	-1311.5	-3905.8	-782.1	-2840.9	-1311.5	-3907.1
clmpyr-tos-p1	-37.2	-36.3	-2295.5	-7382.6	-782.1	-2841.2	-1494.3	-4523.4	-782.0	-2841.1	-1494.2	-4524.5
clmpyr-tos-p2	-32.5	-31.6	-2292.9	-7380.6	-782.2	-2841.3	-1494.2	-4523.4	-782.1	-2841.2	-1494.2	-4524.4

c2mim-bf4-p1	-34.8	-34.0	-1811.7	-5724.5	-938.1	-3128.1	-856.8	-2578.3	-938.0	-3128.2	-856.8	-2579.2
c2mim-bf4-p2	-32.3	-31.6	-1809.9	-5722.7	-937.6	-3127.4	-856.9	-2578.4	-937.6	-3127.5	-856.8	-2579.1
c2mim-br-p1	-59.4	-48.4	-1250.6	-3845.3	-939.4	-3134.6	-284.0	-678.5	-939.4	-3134.6	-287.5	-685.9
c2mim-br-p2	-45.2	-33.4	-1245.3	-3839.2	-940.4	-3136.4	-284.0	-678.5	-940.4	-3136.3	-287.7	-686.7
c2mim-br-p3	-45.5	-34.0	-1244.6	-3838.4	-939.6	-3135.4	-284.0	-678.5	-939.6	-3135.4	-287.5	-686.5
c2mim-br-p4	-58.6	-48.2	-1251.2	-3845.9	-940.1	-3135.8	-284.0	-678.5	-940.1	-3135.9	-287.3	-685.5
c2mim-cl-p1	-41.1	-40.0	-1103.1	-3641.0	-939.4	-3134.5	-143.9	-485.3	-939.4	-3134.5	-143.8	-486.5
c2mim-cl-p2	-30.6	-29.0	-1100.1	-3637.3	-940.7	-3136.9	-143.9	-485.3	-940.6	-3136.9	-143.8	-487.1
c2mim-cl-p3	-31.5	-29.8	-1099.6	-3636.8	-939.9	-3135.9	-143.9	-485.3	-939.8	-3135.9	-143.9	-487.1
c2mim-cl-p4	-40.1	-39.1	-1103.3	-3641.3	-939.9	-3135.4	-143.9	-485.3	-939.9	-3135.5	-143.8	-486.3
c2mim-dca-p1	-64.6	-63.9	-1630.8	-5110.9	-938.0	-3128.4	-662.3	-1948.4	-937.9	-3128.3	-662.3	-1949.3
c2mim-dca-p2	-60.8	-60.1	-1629.4	-5108.6	-938.2	-3128.5	-662.4	-1948.2	-938.1	-3128.4	-662.3	-1949.1
c2mim-dca-p3	-65.0	-64.2	-1632.0	-5111.6	-938.7	-3129.2	-662.5	-1948.2	-938.7	-3129.1	-662.4	-1949.1
c2mim-dca-p4	-61.9	-61.2	-1629.7	-5109.2	-938.1	-3128.4	-662.4	-1948.1	-938.0	-3128.4	-662.3	-1949.0
c2mim-dca-p5	-63.4	-62.6	-1630.5	-5110.0	-938.0	-3128.5	-662.5	-1948.0	-938.0	-3128.5	-662.4	-1948.9
c2mim-dca-p6	-63.6	-62.9	-1630.2	-5110.1	-937.9	-3128.2	-662.4	-1948.1	-937.8	-3128.1	-662.4	-1949.0
c2mim-mes-p1	-49.6	-48.7	-1775.6	-5625.2	-938.9	-3129.3	-812.0	-2471.0	-938.8	-3129.3	-812.0	-2472.0
c2mim-mes-p2	-44.8	-43.8	-1772.3	-5621.8	-938.0	-3128.1	-812.1	-2471.1	-937.9	-3128.1	-812.1	-2472.1
c2mim-ntf2-p1	-76.8	-75.3	-3562.5	-10720.1	-938.2	-3128.2	-2588.2	-7551.2	-938.1	-3128.3	-2588.1	-7552.8
c2mim-ntf2-p2	-47.9	-46.5	-3549.4	-10704.6	-938.4	-3129.6	-2587.7	-7550.4	-938.3	-3129.5	-2587.6	-7552.1
c2mim-ntf2-p3	-45.6	-44.1	-3549.1	-10701.5	-937.9	-3128.6	-2588.2	-7550.4	-937.8	-3128.6	-2588.2	-7552.0
c2mim-ntf2-p4	-67.4	-66.0	-3558.5	-10715.1	-938.1	-3128.1	-2588.5	-7551.6	-937.9	-3128.2	-2588.5	-7553.0
c2mim-pf6-p1	-39.4	-38.1	-2268.0	-7054.0	-938.0	-3128.0	-1311.3	-3905.3	-937.9	-3128.0	-1311.4	-3906.7
c2mim-pf6-p2	-35.6	-34.6	-2265.7	-7051.6	-937.6	-3127.4	-1311.3	-3905.3	-937.5	-3127.4	-1311.4	-3906.5
c2mim-tos-p1	-49.0	-48.3	-2457.9	-7676.1	-938.7	-3129.1	-1494.7	-4522.6	-938.6	-3129.0	-1494.6	-4523.5
c2mim-tos-p2	-43.1	-42.4	-2454.3	-7672.3	-938.0	-3128.1	-1494.7	-4522.7	-937.9	-3128.1	-1494.7	-4523.6
c2mpyr-bf4-p1	-32.5	-31.6	-1766.7	-5835.2	-894.4	-3241.5	-856.5	-2576.9	-894.4	-3241.4	-856.5	-2578.0
c2mpyr-bf4-p2	-30.6	-29.7	-1766.3	-5834.7	-895.0	-3241.9	-856.5	-2577.0	-894.9	-3241.8	-856.5	-2578.1
c2mpyr-bf4-p3	-30.3	-29.4	-1765.6	-5834.3	-894.5	-3241.7	-856.5	-2577.0	-894.5	-3241.6	-856.5	-2578.0
c2mpyr-br-p1	-58.9	-47.3	-1205.7	-3953.3	-895.1	-3242.4	-284.0	-678.5	-895.1	-3242.5	-287.7	-686.4
c2mpyr-br-p2	-57.2	-45.7	-1204.8	-3952.8	-895.0	-3242.9	-284.0	-678.5	-895.0	-3242.8	-287.6	-686.4
c2mpyr-br-p3	-55.9	-45.2	-1204.2	-3951.8	-895.0	-3242.5	-284.0	-678.5	-895.0	-3242.6	-287.4	-685.9
c2mpyr-cl-p1	-41.9	-40.4	-1058.9	-3749.9	-895.2	-3242.5	-143.9	-485.3	-895.2	-3242.5	-143.8	-486.9
c2mpyr-cl-p2	-40.9	-39.4	-1058.1	-3749.5	-894.9	-3242.6	-143.9	-485.3	-894.9	-3242.6	-143.8	-486.9
c2mpyr-cl-p3	-40.6	-39.1	-1058.2	-3749.4	-895.2	-3242.6	-143.9	-485.3	-895.1	-3242.7	-143.8	-486.8
c2mpyr-dca-p1	-43.2	-42.6	-1572.8	-5198.3	-894.9	-3242.1	-656.7	-1934.3	-894.9	-3242.0	-656.6	-1935.1
c2mpyr-dca-p2	-46.7	-46.1	-1574.0	-5200.4	-894.6	-3241.8	-656.7	-1934.6	-894.5	-3241.7	-656.6	-1935.5
c2mpyr-dca-p3	-47.5	-46.8	-1574.1	-5201.0	-894.7	-3241.8	-656.6	-1934.5	-894.6	-3241.7	-656.6	-1935.4
c2mpyr-mes-p1	-40.6	-39.6	-1727.0	-5734.0	-894.5	-3241.8	-812.0	-2472.1	-894.4	-3241.7	-812.0	-2473.3

c2mpyr-mes-p2	-37.5	-36.4	-1726.0	-5733.1	-895.1	-3242.3	-812.0	-2472.1	-895.1	-3242.2	-812.1	-2473.5
c2mpyr-mes-p3	-36.3	-35.1	-1724.9	-5732.1	-894.6	-3242.1	-812.0	-2472.0	-894.6	-3242.0	-812.0	-2473.3
c2mpyr-ntf2-p1	-48.1	-46.9	-3504.2	-10817.1	-894.8	-3241.5	-2586.6	-7550.2	-894.7	-3241.4	-2586.6	-7551.7
c2mpyr-ntf2-p2	-38.8	-37.3	-3499.8	-10810.6	-894.4	-3241.3	-2586.5	-7549.4	-894.4	-3241.3	-2586.5	-7551.0
c2mpyr-ntf2-p3	-47.2	-45.8	-3503.5	-10816.5	-894.6	-3241.5	-2586.6	-7550.1	-894.5	-3241.4	-2586.5	-7551.6
c2mpyr-ntf2-p4	-46.1	-44.8	-3502.8	-10816.1	-894.6	-3241.5	-2586.6	-7550.2	-894.5	-3241.4	-2586.5	-7551.6
c2mpyr-ntf2-p5	-40.4	-39.0	-3500.4	-10811.2	-894.3	-3241.3	-2586.4	-7549.2	-894.2	-3241.2	-2586.4	-7550.8
c2mpyr-ntf2-p6	-38.3	-36.7	-3499.8	-10810.5	-894.7	-3241.5	-2586.5	-7549.3	-894.6	-3241.5	-2586.5	-7550.9
c2mpyr-pf6-p1	-32.7	-31.4	-2221.8	-7164.3	-894.7	-3241.6	-1311.5	-3905.7	-894.6	-3241.5	-1311.5	-3907.1
c2mpyr-pf6-p2	-31.0	-29.7	-2221.0	-7163.6	-894.7	-3241.6	-1311.5	-3905.8	-894.6	-3241.5	-1311.5	-3907.2
c2mpyr-pf6-p3	-30.6	-29.3	-2220.5	-7163.4	-894.5	-3241.5	-1311.5	-3905.8	-894.5	-3241.5	-1311.5	-3907.1
c2mpyr-tos-p1	-38.5	-37.6	-2408.4	-7783.9	-894.4	-3241.7	-1494.3	-4523.4	-894.4	-3241.6	-1494.2	-4524.5
c2mpyr-tos-p2	-35.5	-34.5	-2407.4	-7783.1	-895.1	-3242.2	-1494.2	-4523.4	-895.0	-3242.1	-1494.2	-4524.6
c3mim-bf4-p1	-35.5	-34.6	-1921.4	-6121.9	-1047.5	-3525.2	-856.9	-2578.4	-1047.4	-3525.2	-856.8	-2579.2
c3mim-bf4-p2	-34.6	-33.7	-1920.9	-6121.5	-1047.5	-3525.1	-856.9	-2578.4	-1047.4	-3525.2	-856.8	-2579.2
c3mim-br-p1	-60.6	-49.0	-1360.5	-4243.5	-1048.8	-3532.1	-284.0	-678.5	-1048.8	-3532.2	-287.7	-686.4
c3mim-br-p2	-46.1	-33.7	-1354.8	-4236.9	-1049.5	-3533.6	-284.0	-678.5	-1049.5	-3533.6	-287.9	-687.1
c3mim-br-p3	-50.8	-38.3	-1356.5	-4238.8	-1049.1	-3533.0	-284.0	-678.5	-1049.1	-3533.0	-287.9	-687.1
c3mim-br-p4	-61.3	-49.5	-1361.2	-4244.4	-1049.1	-3532.8	-284.0	-678.5	-1049.1	-3532.9	-287.8	-686.5
c3mim-cl-p1	-41.4	-40.4	-1212.6	-4038.6	-1048.7	-3531.9	-143.9	-485.3	-1048.7	-3531.9	-143.8	-486.5
c3mim-cl-p2	-30.8	-29.1	-1209.2	-4034.6	-1049.8	-3534.1	-143.9	-485.3	-1049.7	-3534.1	-143.8	-487.1
c3mim-cl-p3	-34.7	-33.0	-1210.6	-4036.0	-1049.3	-3533.4	-143.9	-485.3	-1049.3	-3533.4	-143.8	-487.1
c3mim-cl-p4	-41.0	-39.9	-1212.7	-4038.8	-1048.9	-3532.4	-143.9	-485.3	-1048.9	-3532.5	-143.8	-486.5
c3mim-dca-p1	-65.4	-64.7	-1740.5	-5508.3	-1047.3	-3525.3	-662.3	-1948.4	-1047.2	-3525.2	-662.3	-1949.3
c3mim-dca-p2	-67.0	-66.3	-1741.5	-5509.7	-1047.7	-3525.9	-662.4	-1948.2	-1047.6	-3525.8	-662.3	-1949.1
c3mim-dca-p3	-56.5	-55.7	-1736.8	-5504.4	-1047.8	-3526.5	-662.1	-1948.2	-1047.7	-3526.4	-662.1	-1949.3
c3mim-dca-p4	-68.2	-67.4	-1742.2	-5509.5	-1047.5	-3525.5	-662.4	-1948.1	-1047.4	-3525.5	-662.3	-1949.1
c3mim-dca-p5	-64.8	-64.1	-1739.5	-5507.4	-1046.9	-3524.8	-662.3	-1948.1	-1046.8	-3524.7	-662.2	-1949.0
c3mim-dca-p6	-63.7	-63.0	-1739.2	-5506.9	-1047.0	-3524.8	-662.5	-1948.2	-1046.9	-3524.7	-662.4	-1949.1
c3mim-mes-p1	-52.0	-50.9	-1886.3	-6023.7	-1048.3	-3526.6	-812.1	-2471.0	-1048.2	-3526.6	-812.0	-2472.2
c3mim-mes-p2	-45.1	-44.2	-1881.5	-6018.7	-1047.1	-3524.8	-812.1	-2471.1	-1047.1	-3524.9	-812.1	-2472.1
c3mim-ntf2-p1	-80.1	-78.5	-3673.4	-11118.9	-1047.5	-3525.3	-2588.2	-7551.3	-1047.3	-3525.3	-2588.2	-7553.1
c3mim-ntf2-p2	-52.2	-50.6	-3660.8	-11103.7	-1047.7	-3526.5	-2587.7	-7550.4	-1047.6	-3526.4	-2587.6	-7552.2
c3mim-ntf2-p3	-47.3	-45.7	-3659.2	-11099.4	-1047.2	-3525.5	-2588.2	-7550.4	-1047.1	-3525.5	-2588.2	-7552.1
c3mim-ntf2-p4	-68.8	-67.4	-3667.8	-11112.5	-1047.0	-3524.5	-2588.5	-7551.6	-1046.9	-3524.5	-2588.4	-7553.1
c3mim-pf6-p1	-40.1	-38.9	-2377.3	-7451.1	-1047.2	-3524.7	-1311.3	-3905.1	-1047.1	-3524.7	-1311.3	-3906.4
c3mim-pf6-p2	-35.7	-34.6	-2374.8	-7448.4	-1046.7	-3524.1	-1311.3	-3905.3	-1046.6	-3524.2	-1311.4	-3906.5
c3mim-tos-p1	-51.8	-51.1	-2568.8	-8074.8	-1048.1	-3526.3	-1494.7	-4522.7	-1048.0	-3526.2	-1494.6	-4523.6
c3mim-tos-p2	-49.0	-48.2	-2567.0	-8073.1	-1047.8	-3525.8	-1494.7	-4522.7	-1047.7	-3525.8	-1494.7	-4523.7

c3mpyr-bf4-p1	-32.8	-31.9	-1876.1	-6232.8	-1003.7	-3639.0	-856.5	-2576.9	-1003.6	-3638.9	-856.5	-2578.0
c3mpyr-bf4-p2	-30.7	-29.8	-1875.4	-6232.1	-1004.0	-3639.2	-856.5	-2577.0	-1003.9	-3639.1	-856.5	-2578.1
c3mpyr-bf4-p3	-30.5	-29.6	-1874.9	-6231.9	-1003.7	-3639.1	-856.5	-2577.0	-1003.6	-3639.0	-856.5	-2578.0
c3mpyr-br-p1	-60.4	-48.1	-1315.5	-4351.6	-1004.3	-3639.9	-284.0	-678.5	-1004.3	-3639.9	-287.9	-686.9
c3mpyr-br-p2	-57.2	-45.4	-1313.8	-4349.9	-1004.2	-3639.8	-284.0	-678.5	-1004.1	-3639.8	-287.7	-686.7
c3mpyr-br-p3	-57.1	-45.9	-1313.9	-4349.9	-1004.2	-3640.0	-284.0	-678.5	-1004.2	-3640.0	-287.6	-686.2
c3mpyr-cl-p1	-42.3	-40.8	-1168.3	-4147.6	-1004.4	-3640.0	-143.9	-485.3	-1004.3	-3640.0	-143.8	-486.9
c3mpyr-cl-p2	-41.1	-39.6	-1167.4	-4146.9	-1004.1	-3639.9	-143.9	-485.3	-1004.1	-3639.9	-143.8	-486.9
c3mpyr-cl-p3	-40.9	-39.4	-1167.5	-4147.0	-1004.3	-3640.1	-143.9	-485.3	-1004.3	-3640.1	-143.8	-486.8
c3mpyr-dca-p1	-44.4	-43.8	-1682.4	-5596.4	-1003.9	-3639.3	-656.7	-1934.5	-1003.8	-3639.2	-656.7	-1935.3
c3mpyr-dca-p2	-46.6	-46.0	-1683.1	-5597.8	-1003.8	-3639.2	-656.7	-1934.6	-1003.7	-3639.1	-656.6	-1935.4
c3mpyr-dca-p3	-42.1	-41.5	-1679.7	-5597.3	-1003.9	-3639.2	-656.6	-1935.2	-1003.8	-3639.1	-656.6	-1936.0
c3mpyr-dca-p4	-45.5	-44.7	-1682.4	-5597.5	-1004.0	-3639.4	-656.6	-1934.5	-1004.0	-3639.4	-656.5	-1935.4
c3mpyr-dca-p5	-47.4	-46.8	-1683.2	-5598.4	-1003.8	-3639.2	-656.6	-1934.5	-1003.8	-3639.1	-656.6	-1935.4
c3mpyr-mes-p1	-41.3	-40.2	-1836.5	-6131.8	-1003.7	-3639.2	-812.0	-2472.1	-1003.6	-3639.1	-812.0	-2473.3
c3mpyr-mes-p2	-37.7	-36.5	-1835.2	-6130.6	-1004.3	-3639.6	-812.0	-2472.1	-1004.2	-3639.6	-812.1	-2473.5
c3mpyr-mes-p3	-37.1	-35.9	-1834.5	-6130.0	-1003.8	-3639.5	-812.0	-2472.1	-1003.7	-3639.4	-812.0	-2473.4
c3mpyr-ntf2-p1	-50.1	-48.9	-3614.3	-11215.7	-1004.0	-3639.2	-2586.6	-7550.2	-1003.9	-3639.0	-2586.6	-7551.7
c3mpyr-ntf2-p2	-38.5	-37.1	-3609.1	-11207.7	-1003.7	-3638.8	-2586.5	-7549.3	-1003.6	-3638.8	-2586.5	-7550.9
c3mpyr-ntf2-p3	-47.4	-46.0	-3612.7	-11214.0	-1003.7	-3638.9	-2586.6	-7550.2	-1003.6	-3638.8	-2586.6	-7551.7
c3mpyr-ntf2-p4	-48.2	-46.8	-3613.0	-11214.5	-1003.8	-3639.0	-2586.5	-7550.0	-1003.7	-3639.0	-2586.5	-7551.6
c3mpyr-ntf2-p5	-40.3	-38.8	-3609.4	-11208.5	-1003.4	-3638.6	-2586.3	-7549.2	-1003.4	-3638.6	-2586.3	-7550.8
c3mpyr-ntf2-p6	-39.8	-38.2	-3609.7	-11208.8	-1003.8	-3639.0	-2586.5	-7549.3	-1003.8	-3639.0	-2586.5	-7551.0
c3mpyr-pf6-p1	-33.8	-32.4	-2331.1	-7562.2	-1003.6	-3638.8	-1311.5	-3905.7	-1003.5	-3638.7	-1311.5	-3907.2
c3mpyr-pf6-p2	-30.9	-29.6	-2330.0	-7560.9	-1003.8	-3639.0	-1311.5	-3905.7	-1003.8	-3638.9	-1311.5	-3907.2
c3mpyr-pf6-p3	-31.1	-29.7	-2329.8	-7561.1	-1003.7	-3638.9	-1311.5	-3905.8	-1003.6	-3638.9	-1311.5	-3907.2
c3mpyr-tos-p1	-39.3	-38.4	-2517.9	-8181.8	-1003.6	-3639.2	-1494.2	-4523.4	-1003.5	-3639.1	-1494.2	-4524.5
c3mpyr-tos-p2	-35.7	-34.7	-2516.6	-8180.5	-1004.3	-3639.6	-1494.2	-4523.4	-1004.2	-3639.5	-1494.2	-4524.6
c4mim-bf4-p1	-36.0	-35.1	-2030.8	-6519.1	-1156.6	-3922.1	-856.8	-2578.4	-1156.6	-3922.2	-856.8	-2579.3
c4mim-bf4-p2	-34.7	-33.9	-2030.1	-6518.3	-1156.6	-3921.9	-856.9	-2578.4	-1156.5	-3922.0	-856.8	-2579.2
c4mim-br-p1	-61.9	-49.8	-1470.2	-4641.7	-1158.0	-3929.5	-284.0	-678.5	-1157.9	-3929.6	-287.9	-686.7
c4mim-br-p2	-47.6	-34.7	-1464.6	-4635.2	-1158.7	-3931.0	-284.0	-678.5	-1158.7	-3931.0	-288.0	-687.4
c4mim-br-p3	-53.4	-40.1	-1466.9	-4637.7	-1158.3	-3930.4	-284.0	-678.5	-1158.3	-3930.4	-288.2	-687.7
c4mim-br-p4	-62.2	-50.0	-1470.7	-4642.2	-1158.2	-3930.0	-284.0	-678.5	-1158.2	-3930.1	-287.9	-686.8
c4mim-cl-p1	-42.0	-40.9	-1322.0	-4436.3	-1157.8	-3929.3	-143.9	-485.3	-1157.8	-3929.3	-143.8	-486.5
c4mim-cl-p2	-31.3	-29.6	-1318.7	-4432.3	-1158.9	-3931.5	-143.9	-485.3	-1158.9	-3931.5	-143.8	-487.1
c4mim-cl-p3	-35.9	-34.3	-1320.3	-4434.0	-1158.5	-3930.8	-143.9	-485.3	-1158.4	-3930.7	-143.8	-487.1
c4mim-cl-p4	-41.4	-40.2	-1321.9	-4436.3	-1158.0	-3929.7	-143.9	-485.3	-1157.9	-3929.7	-143.8	-486.5
c4mim-dca-p1	-66.1	-65.4	-1850.0	-5905.6	-1156.5	-3922.3	-662.3	-1948.4	-1156.4	-3922.2	-662.3	-1949.3

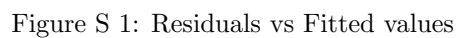
c4mim-dca-p2	-69.7	-68.9	-1852.2	-5907.3	-1156.7	-3922.5	-662.4	-1948.1	-1156.6	-3922.5	-662.3	-1949.1
c4mim-dca-p3	-65.0	-64.3	-1848.7	-5904.4	-1156.0	-3921.6	-662.3	-1948.1	-1155.9	-3921.6	-662.2	-1949.0
c4mim-mes-p1	-53.1	-52.0	-1996.0	-6421.2	-1157.5	-3923.5	-812.1	-2471.0	-1157.4	-3923.5	-812.0	-2472.2
c4mim-mes-p2	-45.2	-44.2	-1990.6	-6415.5	-1156.2	-3921.6	-812.1	-2471.1	-1156.1	-3921.6	-812.1	-2472.1
c4mim-pf6-p1	-42.1	-40.6	-2487.9	-7849.6	-1156.6	-3922.1	-1311.3	-3905.3	-1156.5	-3922.2	-1311.4	-3906.9
c4mim-pf6-p2	-35.7	-34.6	-2483.9	-7845.2	-1155.8	-3920.9	-1311.3	-3905.3	-1155.7	-3921.0	-1311.4	-3906.5
c4mim-tos-p1	-54.0	-53.2	-2679.0	-8473.0	-1157.4	-3923.3	-1494.7	-4522.7	-1157.2	-3923.3	-1494.6	-4523.7
c4mim-tos-p2	-50.1	-49.2	-2677.1	-8470.8	-1157.3	-3923.1	-1494.7	-4522.7	-1157.2	-3923.2	-1494.7	-4523.7
c4mpyr-bf4-p1	-32.9	-32.0	-1985.1	-6629.9	-1112.7	-4036.0	-856.5	-2577.0	-1112.6	-4035.9	-856.5	-2578.0
c4mpyr-bf4-p2	-30.9	-29.9	-1984.4	-6629.2	-1113.0	-4036.2	-856.5	-2577.0	-1112.9	-4036.2	-856.5	-2578.1
c4mpyr-bf4-p3	-30.7	-29.8	-1984.0	-6629.1	-1112.8	-4036.1	-856.5	-2577.0	-1112.7	-4036.1	-856.5	-2578.0
c4mpyr-br-p1	-60.9	-48.3	-1424.8	-4748.9	-1113.4	-4036.9	-284.0	-678.5	-1113.4	-4037.0	-288.0	-687.1
c4mpyr-br-p2	-58.0	-45.6	-1423.1	-4747.5	-1113.2	-4036.9	-284.0	-678.5	-1113.2	-4036.9	-287.9	-687.0
c4mpyr-br-p3	-57.7	-46.1	-1423.2	-4747.3	-1113.3	-4037.0	-284.0	-678.5	-1113.3	-4037.1	-287.7	-686.4
c4mpyr-cl-p1	-42.3	-40.8	-1277.3	-4544.6	-1113.4	-4037.0	-143.9	-485.3	-1113.4	-4037.0	-143.8	-486.9
c4mpyr-cl-p2	-41.6	-40.0	-1276.7	-4544.4	-1113.1	-4037.1	-143.9	-485.3	-1113.1	-4037.1	-143.8	-486.9
c4mpyr-cl-p3	-40.8	-39.4	-1276.4	-4544.0	-1113.3	-4037.1	-143.9	-485.3	-1113.3	-4037.1	-143.8	-486.8
c4mpyr-dca-p1	-44.3	-43.7	-1790.4	-5994.0	-1112.9	-4036.0	-656.6	-1934.7	-1112.8	-4035.9	-656.6	-1935.5
c4mpyr-dca-p2	-46.6	-46.0	-1792.1	-5994.9	-1112.8	-4036.3	-656.7	-1934.6	-1112.8	-4036.2	-656.6	-1935.4
c4mpyr-dca-p3	-45.0	-44.5	-1791.6	-5993.7	-1112.9	-4036.3	-656.7	-1934.5	-1112.8	-4036.1	-656.6	-1935.3
c4mpyr-dca-p4	-45.9	-45.4	-1791.4	-5994.8	-1112.8	-4036.3	-656.6	-1934.6	-1112.7	-4036.1	-656.6	-1935.4
c4mpyr-dca-p5	-47.5	-46.9	-1792.3	-5995.5	-1112.8	-4036.2	-656.6	-1934.6	-1112.8	-4036.1	-656.6	-1935.4
c4mpyr-mes-p1	-41.3	-40.2	-1945.5	-6528.8	-1112.7	-4036.2	-812.0	-2472.1	-1112.6	-4036.1	-812.0	-2473.3
c4mpyr-mes-p2	-38.2	-36.9	-1944.4	-6528.0	-1113.3	-4036.7	-812.0	-2472.1	-1113.3	-4036.7	-812.1	-2473.5
c4mpyr-mes-p3	-37.3	-36.1	-1943.6	-6527.2	-1112.9	-4036.6	-812.0	-2472.1	-1112.8	-4036.5	-812.0	-2473.4
c4mpyr-ntf2-p1	-50.1	-48.9	-3723.3	-11612.7	-1113.0	-4036.1	-2586.6	-7550.1	-1112.9	-4036.0	-2586.5	-7551.7
c4mpyr-ntf2-p2	-43.0	-41.6	-3720.1	-11606.7	-1112.7	-4035.8	-2586.3	-7549.0	-1112.6	-4035.7	-2586.3	-7550.6
c4mpyr-ntf2-p3	-48.5	-47.2	-3722.3	-11611.7	-1112.7	-4036.0	-2586.6	-7550.2	-1112.6	-4035.9	-2586.5	-7551.7
c4mpyr-ntf2-p4	-49.2	-47.8	-3722.6	-11612.1	-1112.8	-4036.1	-2586.6	-7550.1	-1112.7	-4036.0	-2586.5	-7551.7
c4mpyr-ntf2-p5	-41.0	-39.4	-3718.7	-11605.9	-1112.4	-4035.7	-2586.3	-7549.2	-1112.4	-4035.7	-2586.3	-7550.8
c4mpyr-ntf2-p6	-41.3	-39.6	-3719.4	-11606.5	-1112.9	-4036.1	-2586.4	-7549.2	-1112.8	-4036.1	-2586.4	-7551.0
c4mpyr-pf6-p1	-33.9	-32.5	-2440.2	-7959.3	-1112.6	-4035.9	-1311.5	-3905.7	-1112.5	-4035.8	-1311.5	-3907.2
c4mpyr-pf6-p2	-31.4	-30.0	-2439.2	-7958.3	-1112.9	-4036.1	-1311.5	-3905.7	-1112.8	-4036.0	-1311.5	-3907.2
c4mpyr-pf6-p3	-31.3	-29.9	-2439.0	-7958.3	-1112.7	-4036.0	-1311.5	-3905.8	-1112.6	-4036.0	-1311.5	-3907.2
c4mpyr-tos-p1	-39.5	-38.6	-2627.1	-8579.0	-1112.7	-4036.3	-1494.2	-4523.4	-1112.6	-4036.2	-1494.2	-4524.5
c4mpyr-tos-p2	-36.3	-35.3	-2626.0	-8578.0	-1113.3	-4036.7	-1494.3	-4523.4	-1113.2	-4036.7	-1494.2	-4524.6

2.3.5 augmented Q→5

Table S 24: Raw CBS (augmented Q→5) energies. Superscript * indicates monomer calculated in the dimer basis set.

ion pair	E(int)	E(int) CP	E(dimer) SS	E(dimer) OS	E(A) SS	E(A) OS	E(B) SS	E(B) OS	E(A) SS*	E(A) OS*	E(B) SS*	E(B) OS*
clmim-bf4-p1	-32.3	-32.1	-1693.2	-5368.1	-823.6	-2742.3	-854.0	-2609.2	-823.5	-2742.2	-854.0	-2609.5
clmim-cl-p1	-39.7	-38.4	-988.9	-3263.1	-825.3	-2749.2	-144.4	-493.3	-825.3	-2749.1	-144.4	-494.7
clmim-cl-p2	-28.2	-26.7	-984.3	-3256.9	-825.4	-2749.8	-144.4	-493.3	-825.4	-2749.8	-144.4	-494.7
clmim-dca-p1	-62.4	-62.7	-1513.8	-4738.0	-824.0	-2743.4	-659.9	-1962.1	-824.0	-2743.3	-659.8	-1962.0
clmim-dca-p2	-45.7	-45.7	-1505.9	-4729.9	-824.1	-2744.4	-659.5	-1962.1	-824.1	-2744.4	-659.5	-1962.1
clmim-mes-p1	-43.3	-43.4	-1658.2	-5265.0	-824.1	-2743.2	-812.2	-2500.5	-824.0	-2743.0	-812.1	-2500.6
clmim-ntf2-p1	-69.1	-69.4	-3441.4	-10424.2	-823.6	-2742.3	-2584.6	-7645.9	-823.5	-2742.1	-2584.5	-7646.0
clmim-ntf2-p2	-36.3	-36.3	-3426.2	-10405.9	-823.8	-2743.9	-2583.8	-7644.2	-823.8	-2743.9	-2583.7	-7644.4
clmim-ntf2-p3	-41.1	-41.0	-3429.5	-10408.0	-823.6	-2743.0	-2584.7	-7645.1	-823.6	-2742.9	-2584.6	-7645.4
clmim-pf6-p1	-34.8	-34.6	-2149.2	-6718.7	-823.6	-2742.4	-1308.9	-3958.4	-823.5	-2742.3	-1308.9	-3958.7
clmim-tos-p1	-41.1	-41.3	-2336.6	-7323.0	-823.8	-2742.9	-1491.9	-4559.9	-823.7	-2742.7	-1491.8	-4560.1
clmpyr-bf4-p1	-31.3	-31.2	-1647.8	-5475.2	-778.6	-2851.6	-853.6	-2607.7	-778.6	-2851.5	-853.6	-2608.0
clmpyr-bf4-p2	-28.9	-28.8	-1646.6	-5474.3	-778.8	-2851.8	-853.6	-2607.8	-778.7	-2851.7	-853.6	-2608.1
clmpyr-cl-p1	-41.5	-40.1	-943.5	-3367.9	-779.4	-2852.7	-144.4	-493.3	-779.4	-2852.7	-144.4	-494.8
clmpyr-cl-p2	-40.5	-39.0	-942.9	-3367.5	-779.4	-2852.8	-144.4	-493.3	-779.3	-2852.8	-144.4	-494.8
clmpyr-dca-p1	-42.4	-42.6	-1454.4	-4821.8	-779.2	-2852.3	-654.1	-1948.3	-779.2	-2852.2	-654.0	-1948.3
clmpyr-dca-p2	-46.4	-46.6	-1455.6	-4824.4	-779.0	-2852.0	-654.0	-1948.6	-779.0	-2852.0	-653.9	-1948.6
clmpyr-dca-p3	-42.3	-42.7	-1452.4	-4823.4	-778.7	-2851.8	-653.9	-1949.0	-778.7	-2851.7	-653.8	-1948.8
clmpyr-dca-p4	-44.8	-45.0	-1454.6	-4823.4	-778.7	-2851.8	-654.0	-1948.7	-778.7	-2851.7	-654.0	-1948.6

3.1.1 KSV(P) basis set



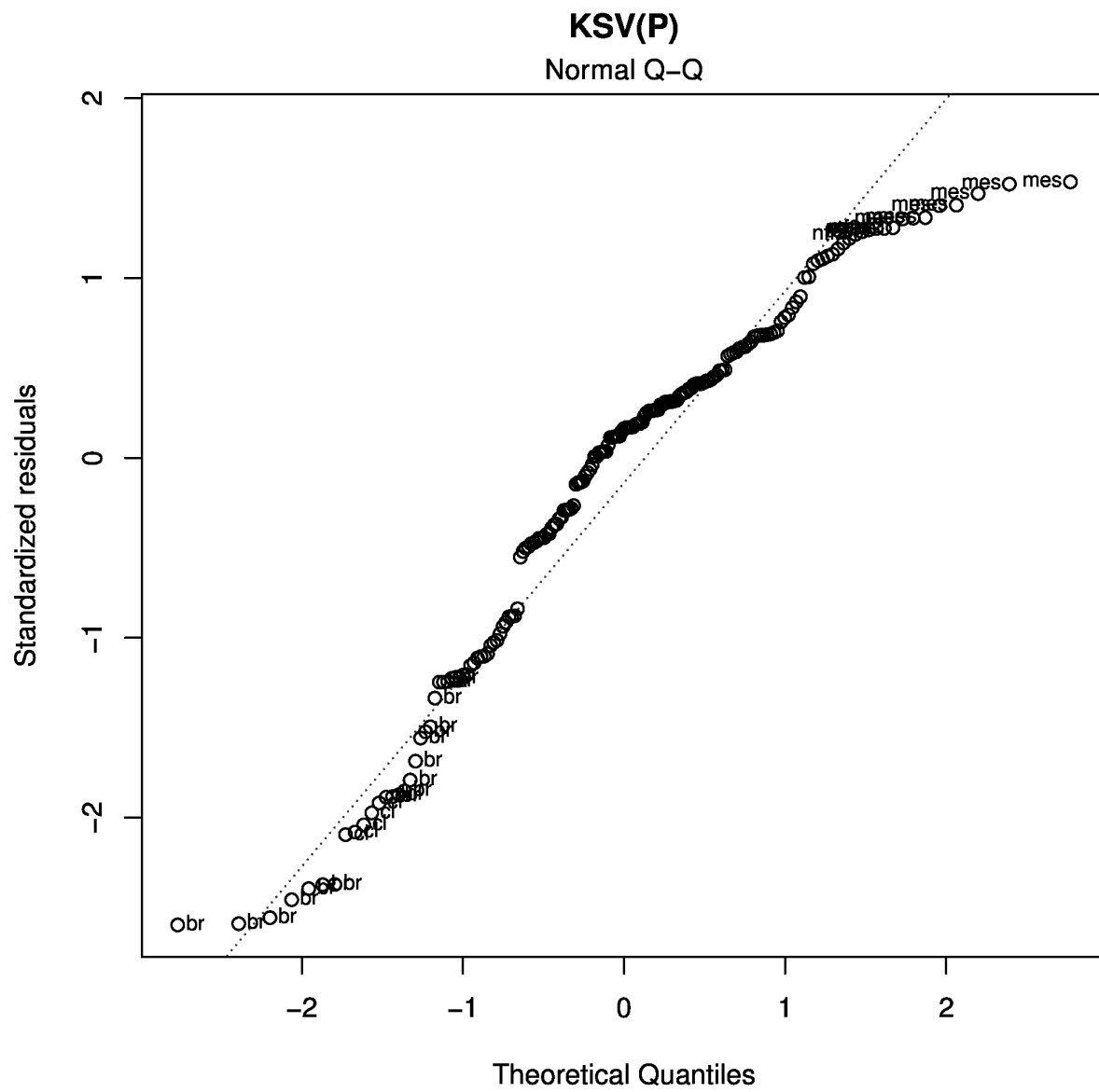


Figure S 2: Q-Q plot

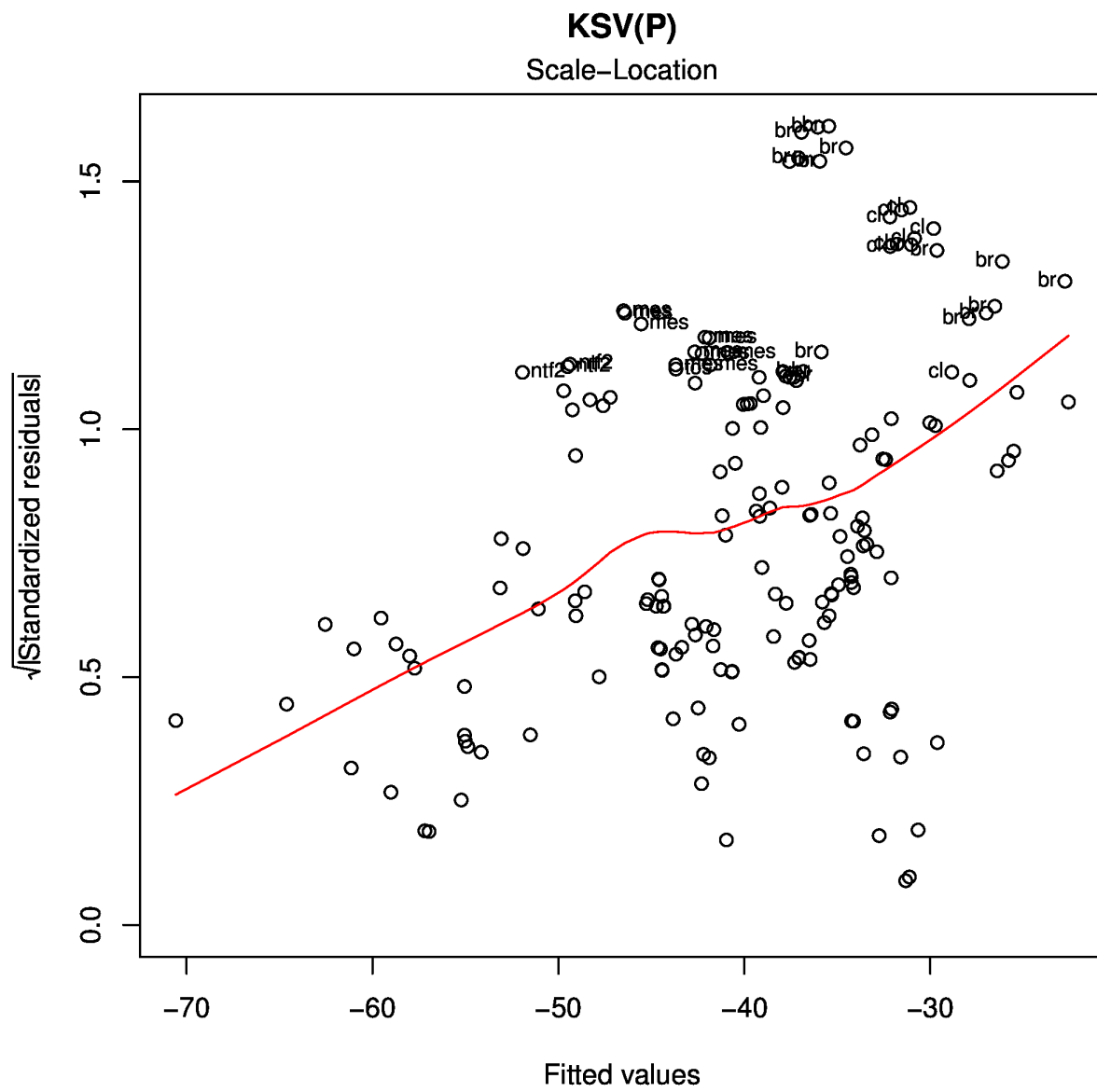


Figure S 3: Scale-Location plot

3.1.2 KSVP basis set

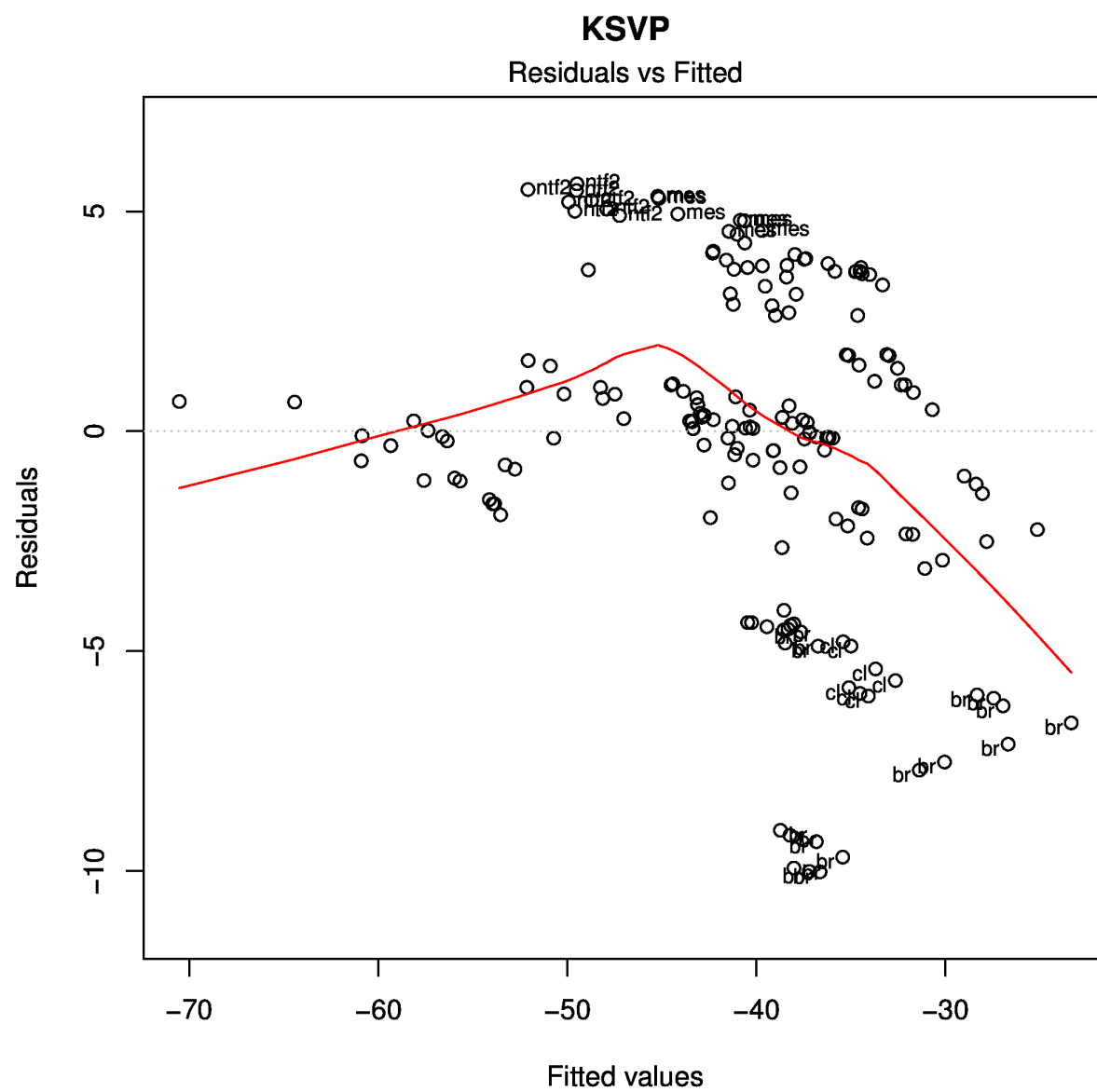


Figure S 5: Residuals vs Fitted values

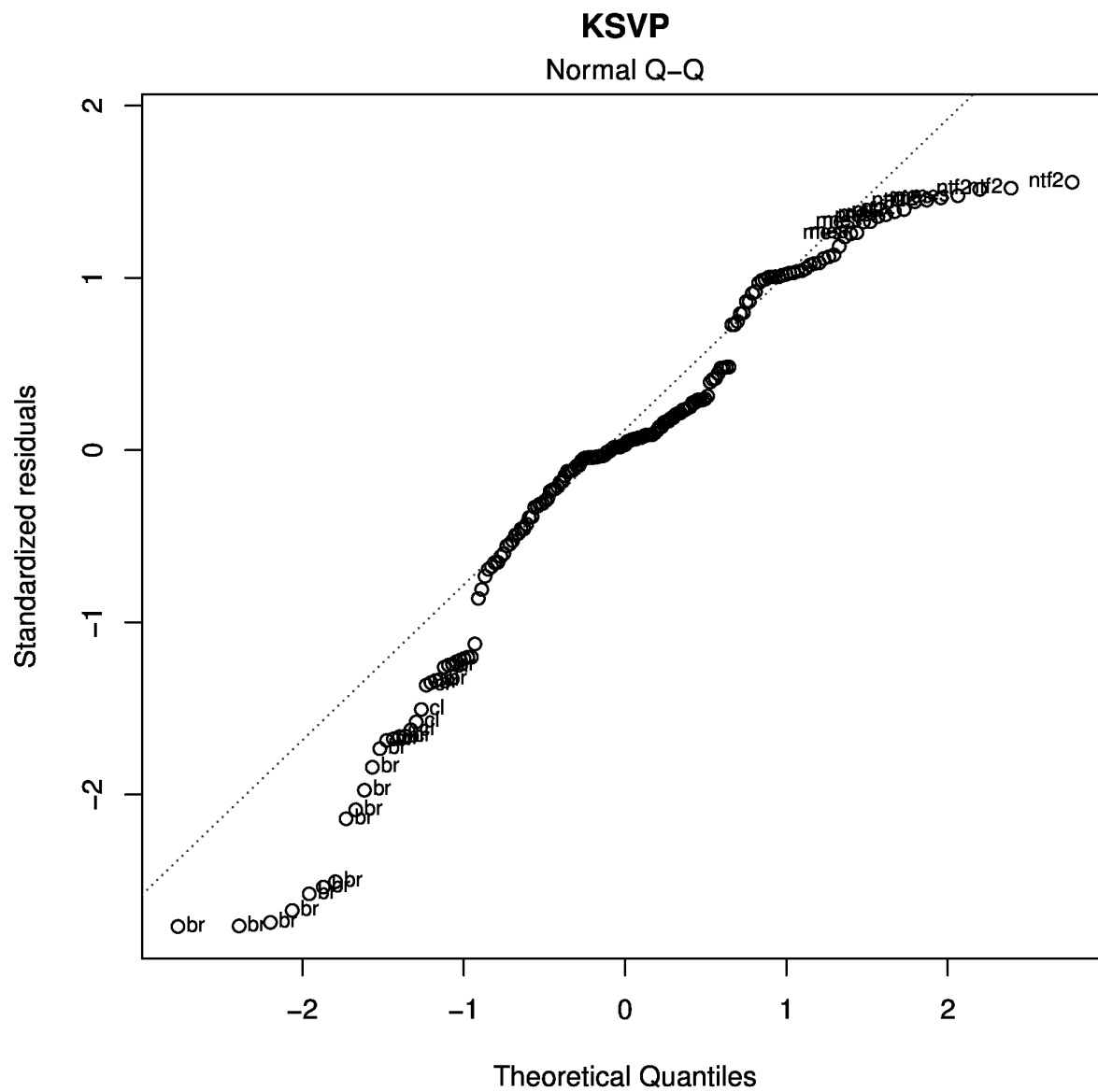


Figure S 6: Q-Q plot

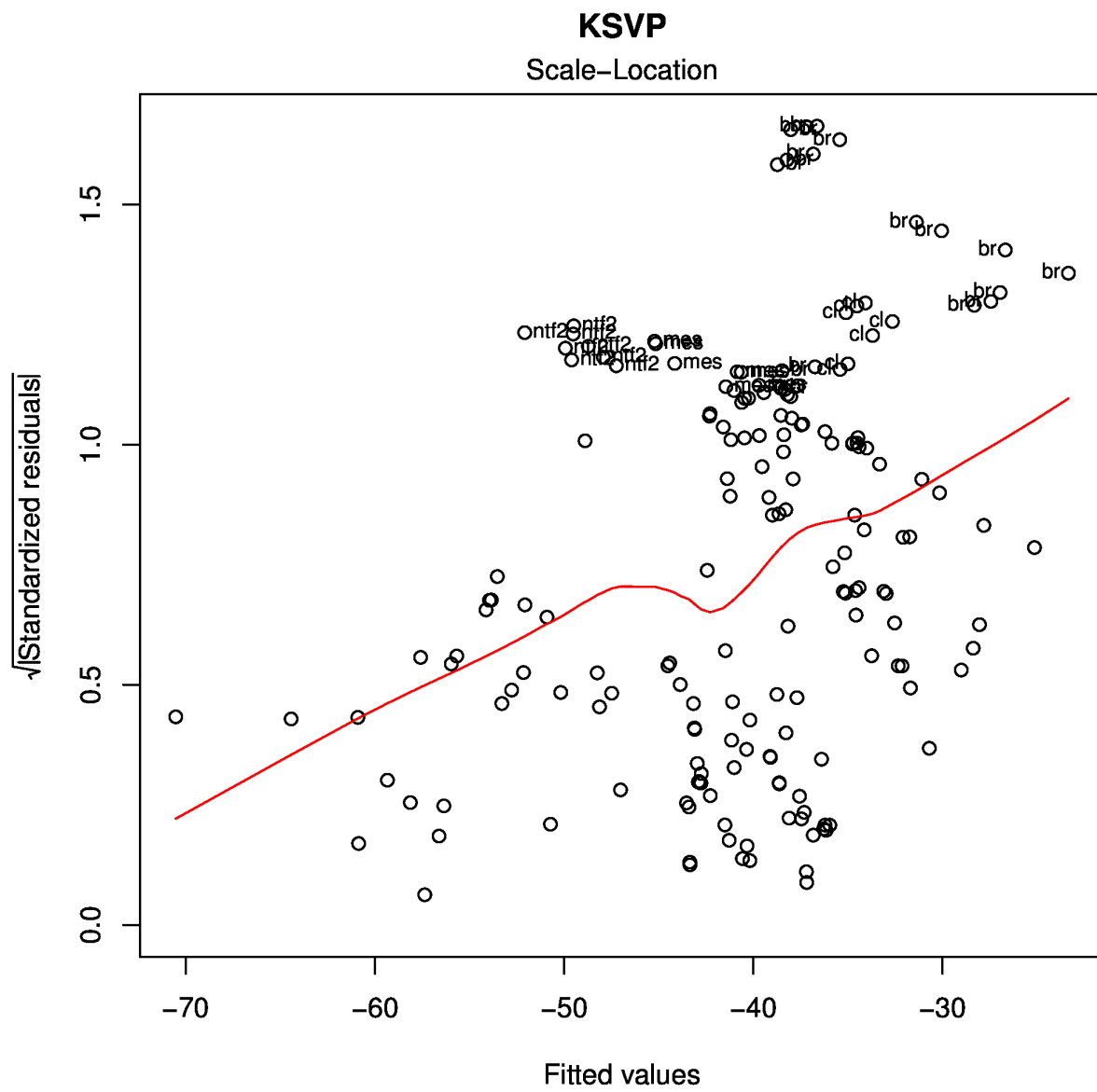


Figure S 7: Scale-Location plot

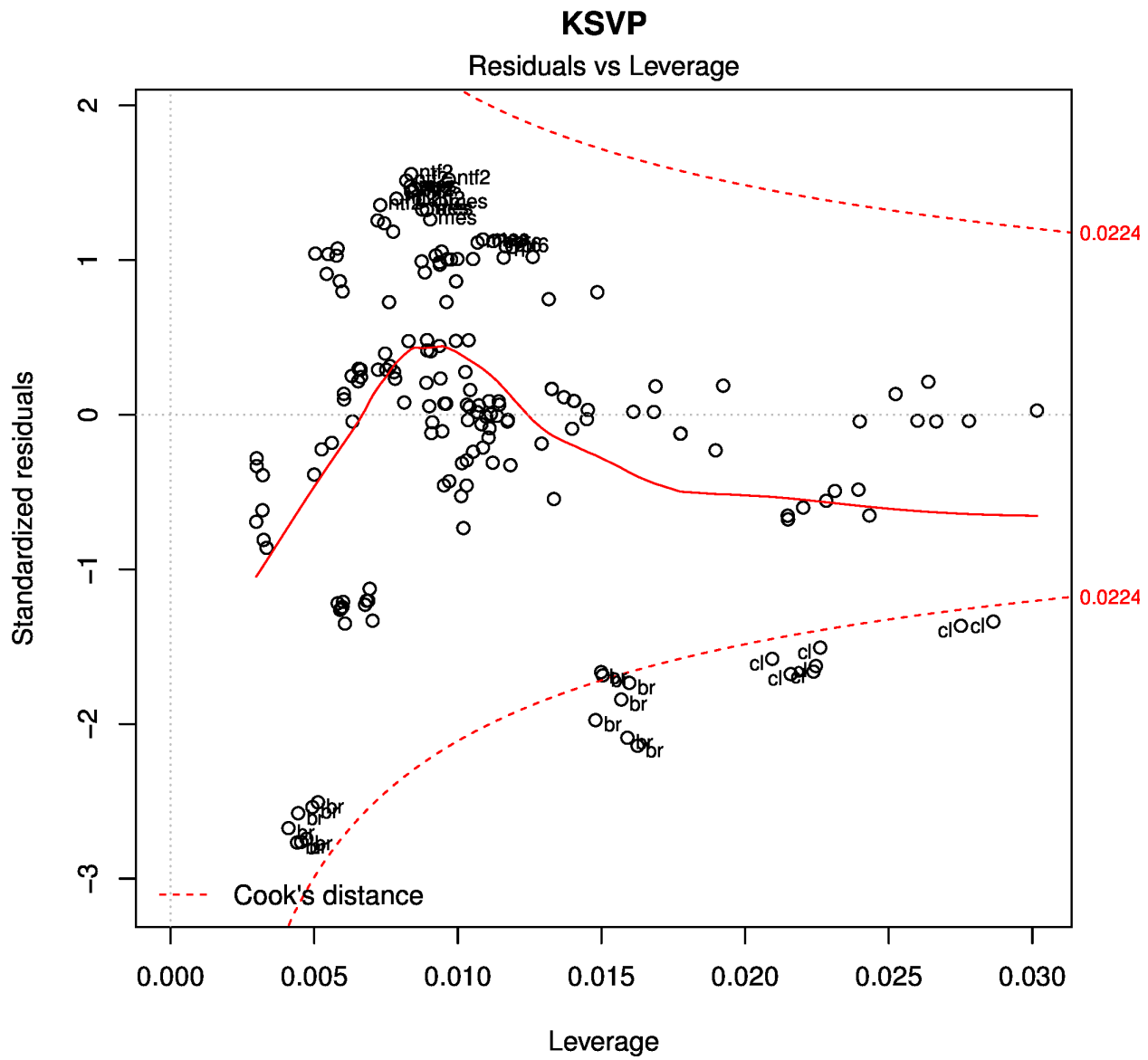


Figure S 8: Residuals vs Leverage plot

3.1.3 KTZVP basis set

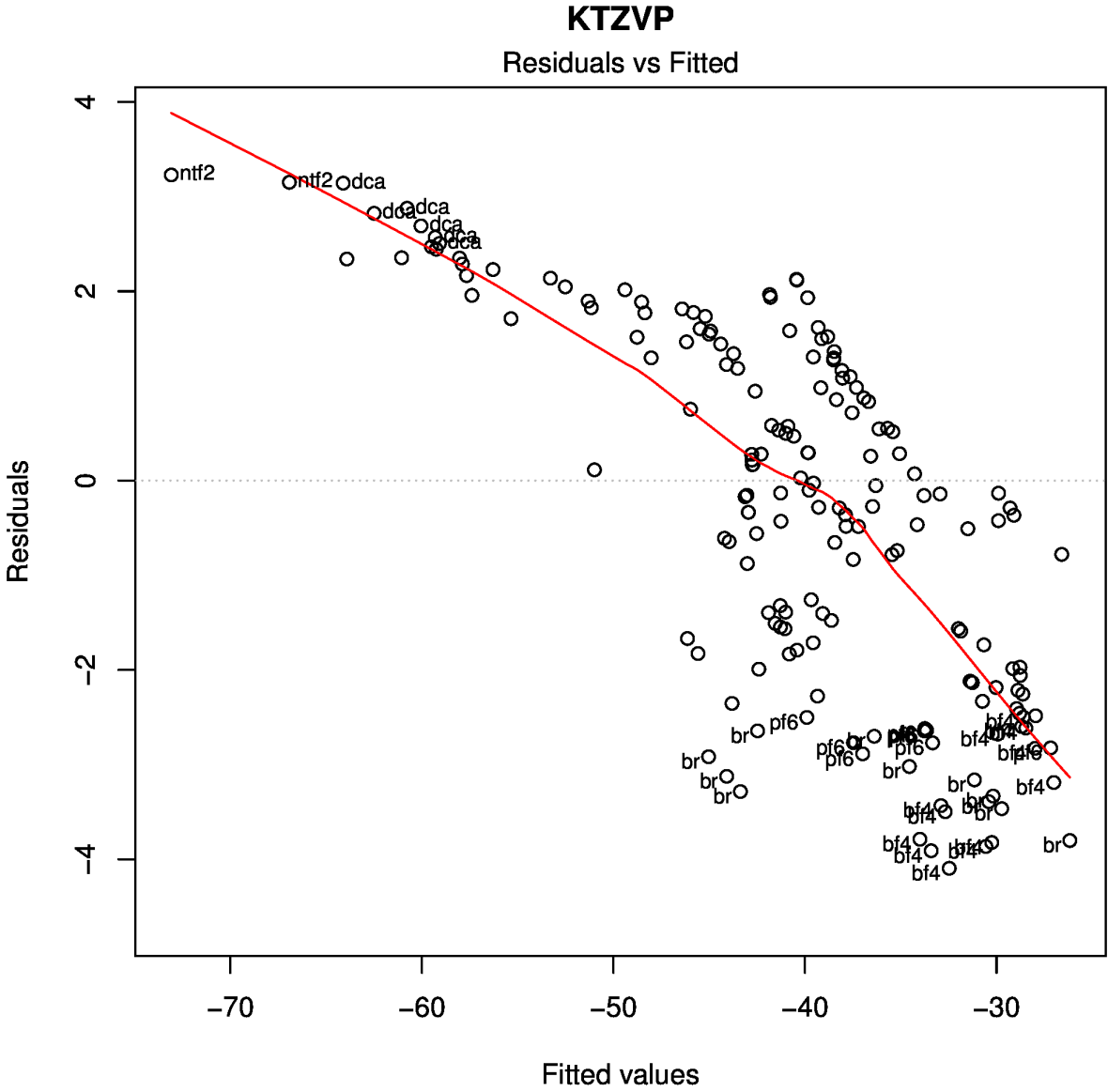


Figure S 9: Residuals vs Fitted values

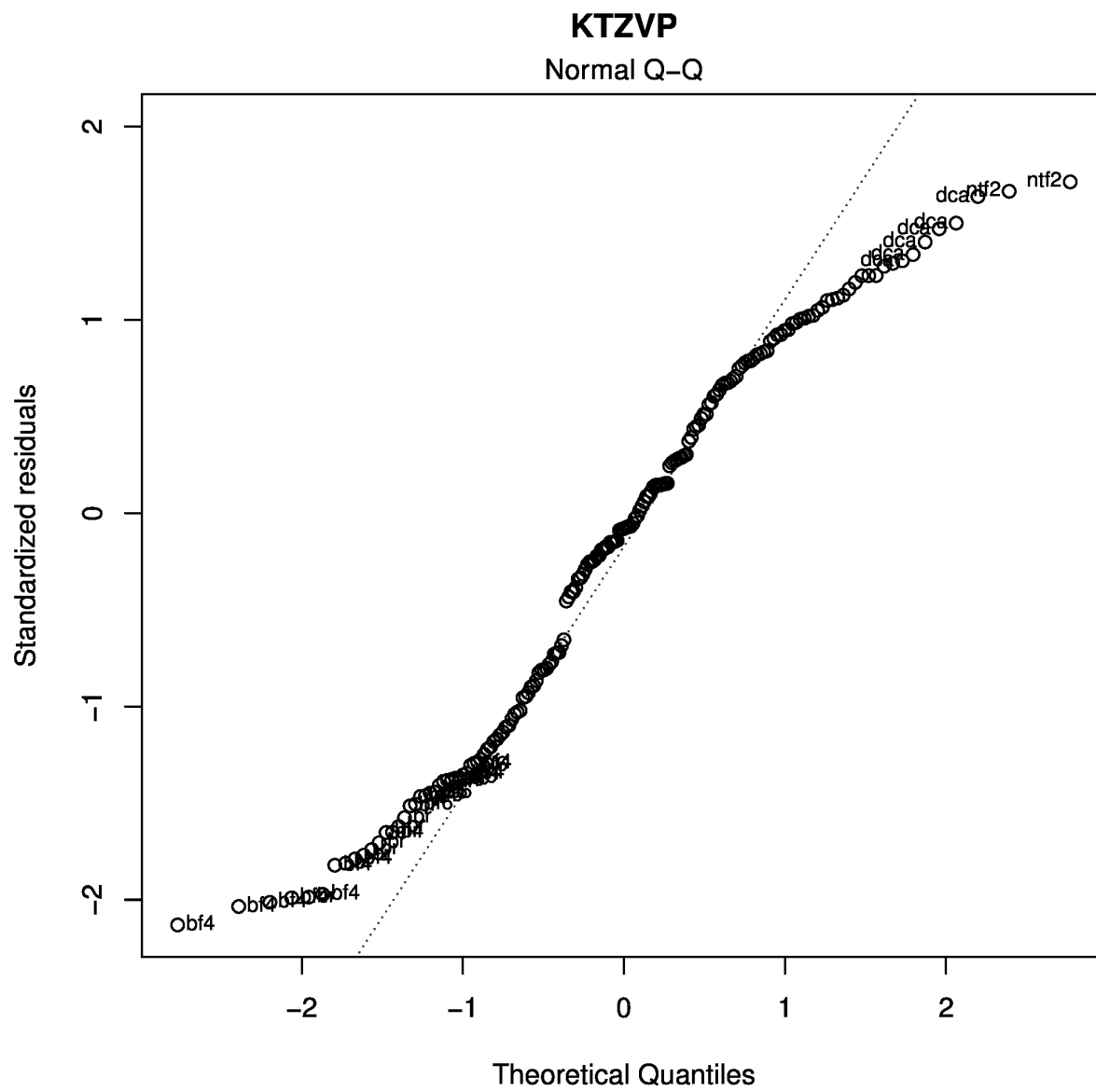


Figure S 10: Q-Q plot

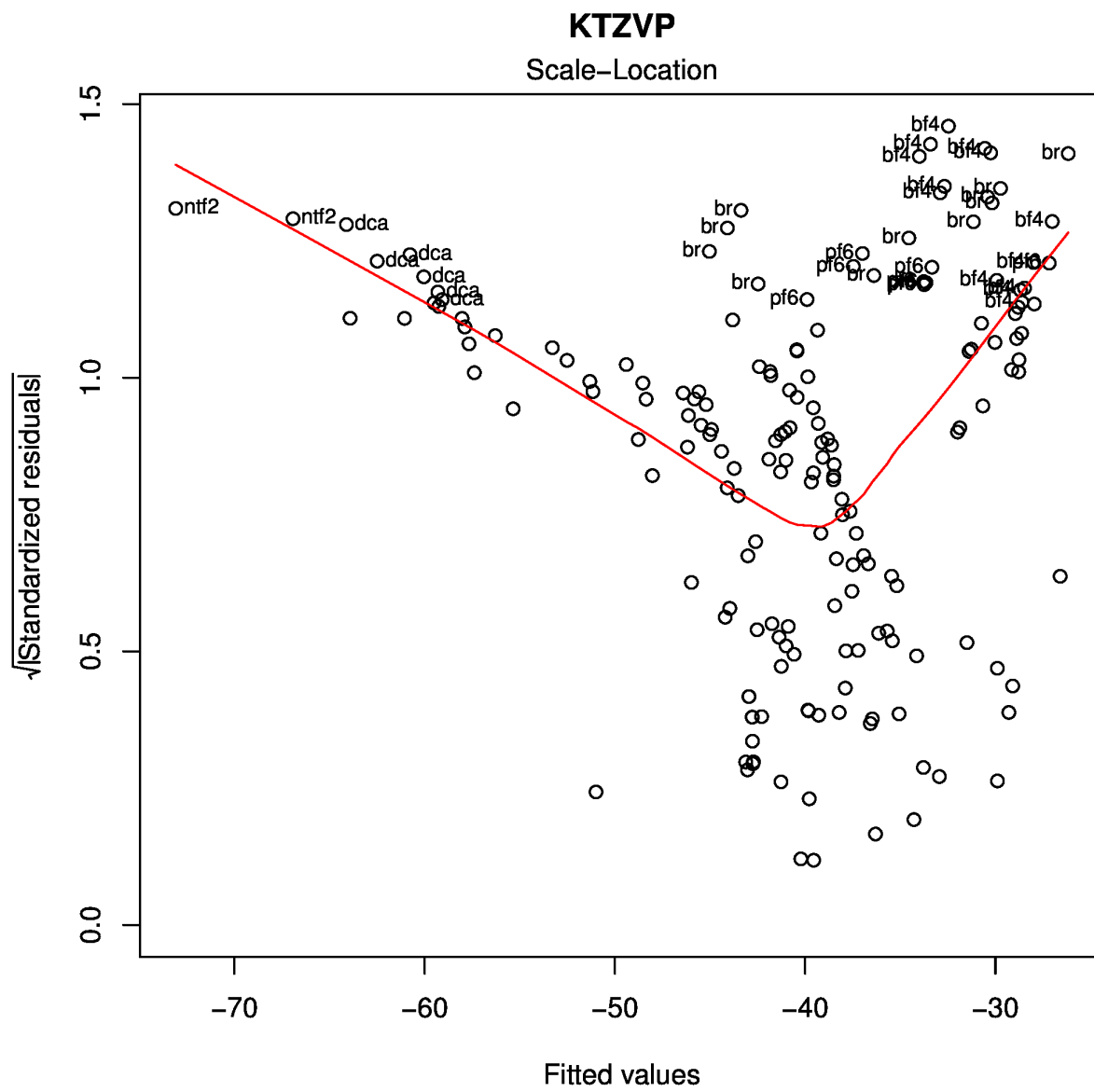


Figure S 11: Scale-Location plot

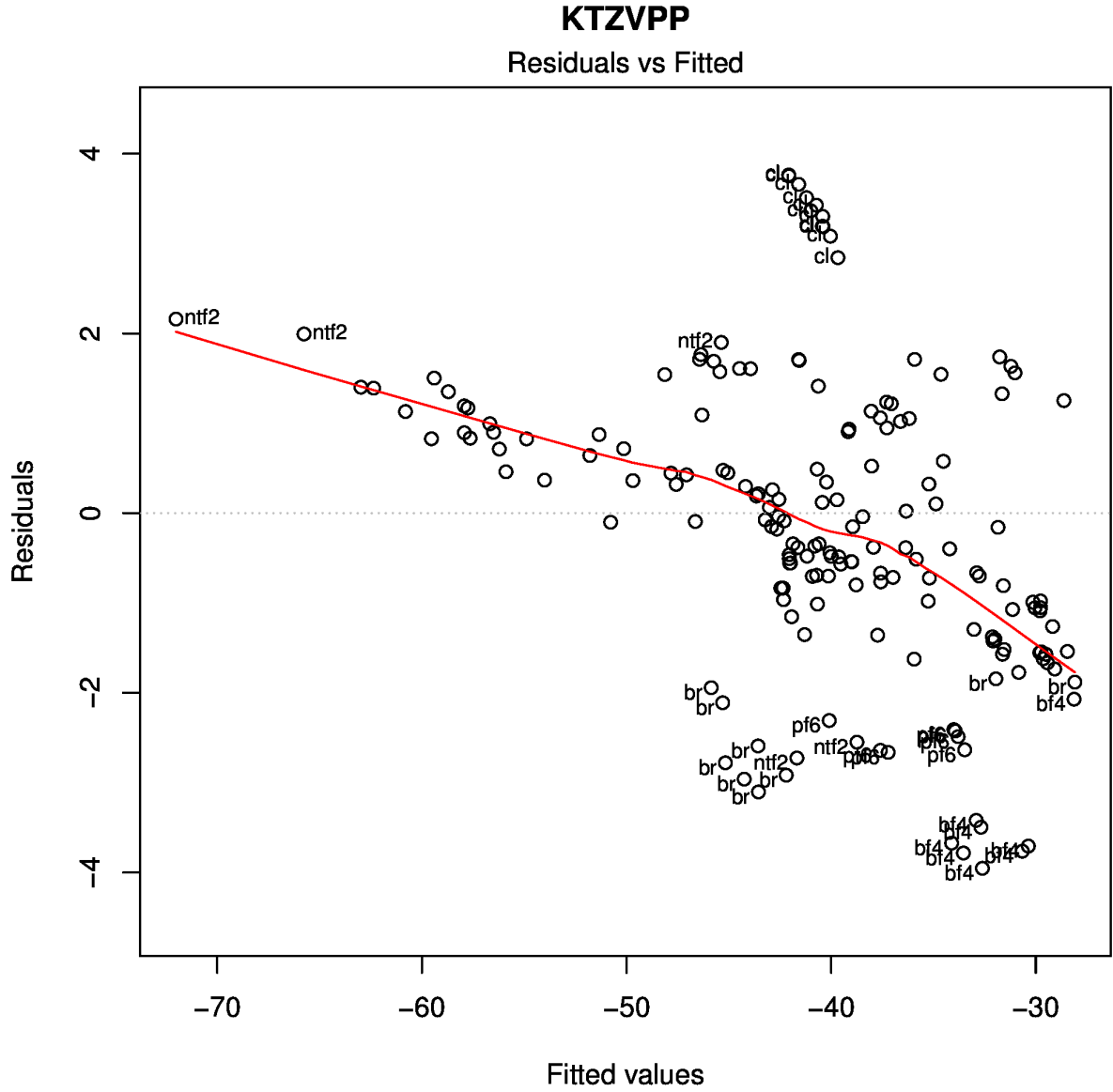


Figure S 13: Residuals vs Fitted values

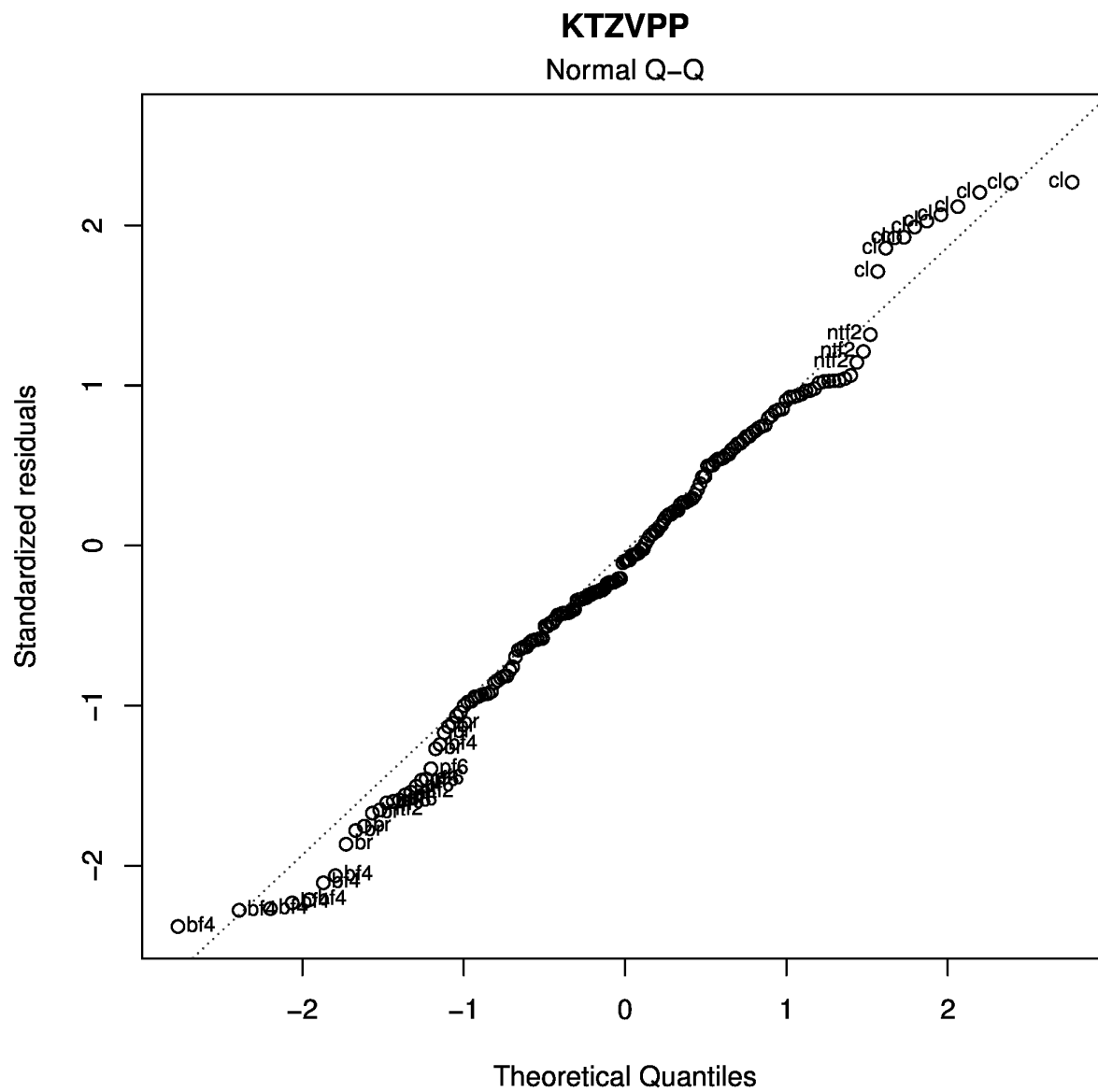


Figure S 14: Q-Q plot

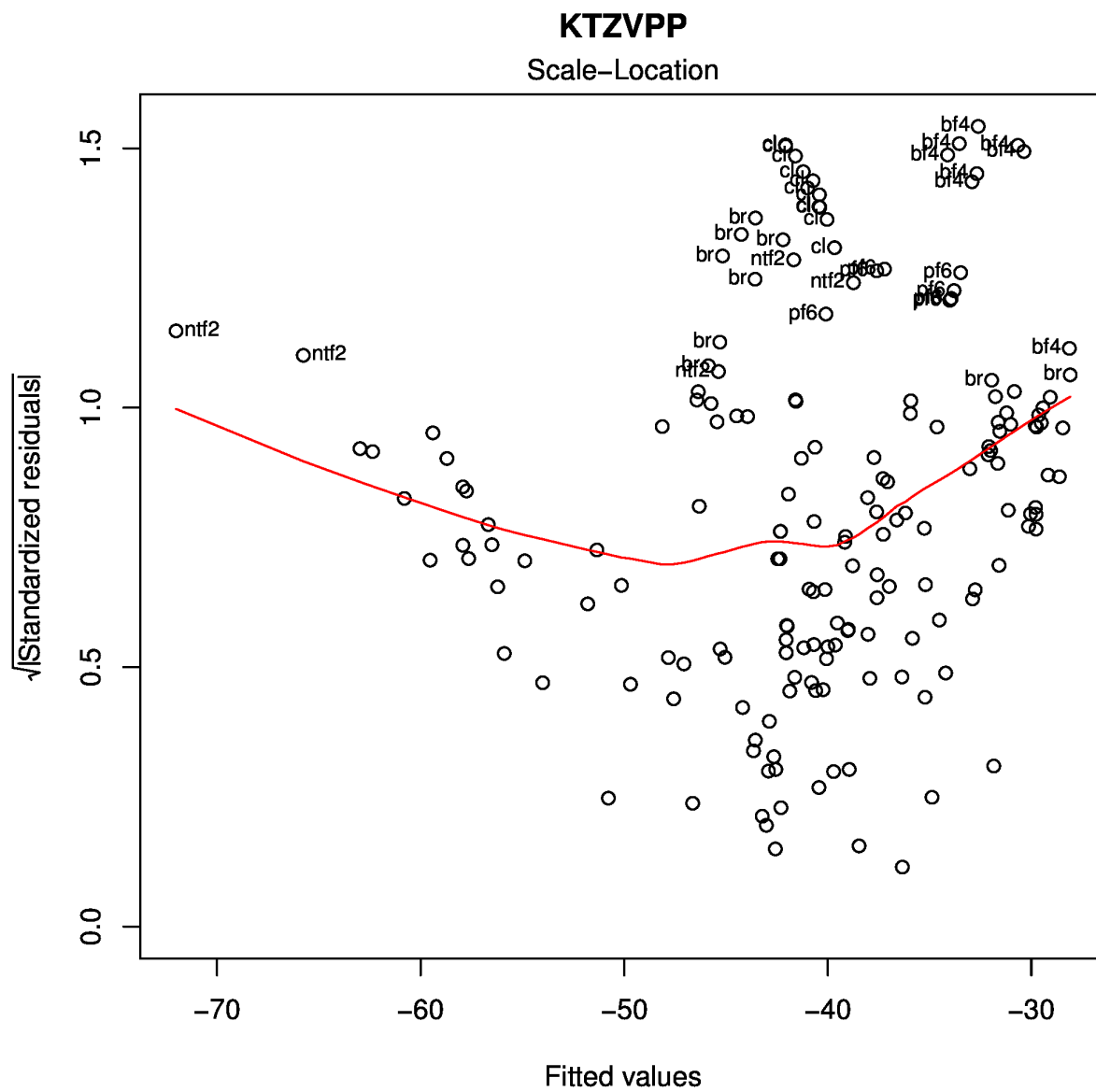


Figure S 15: Scale-Location plot

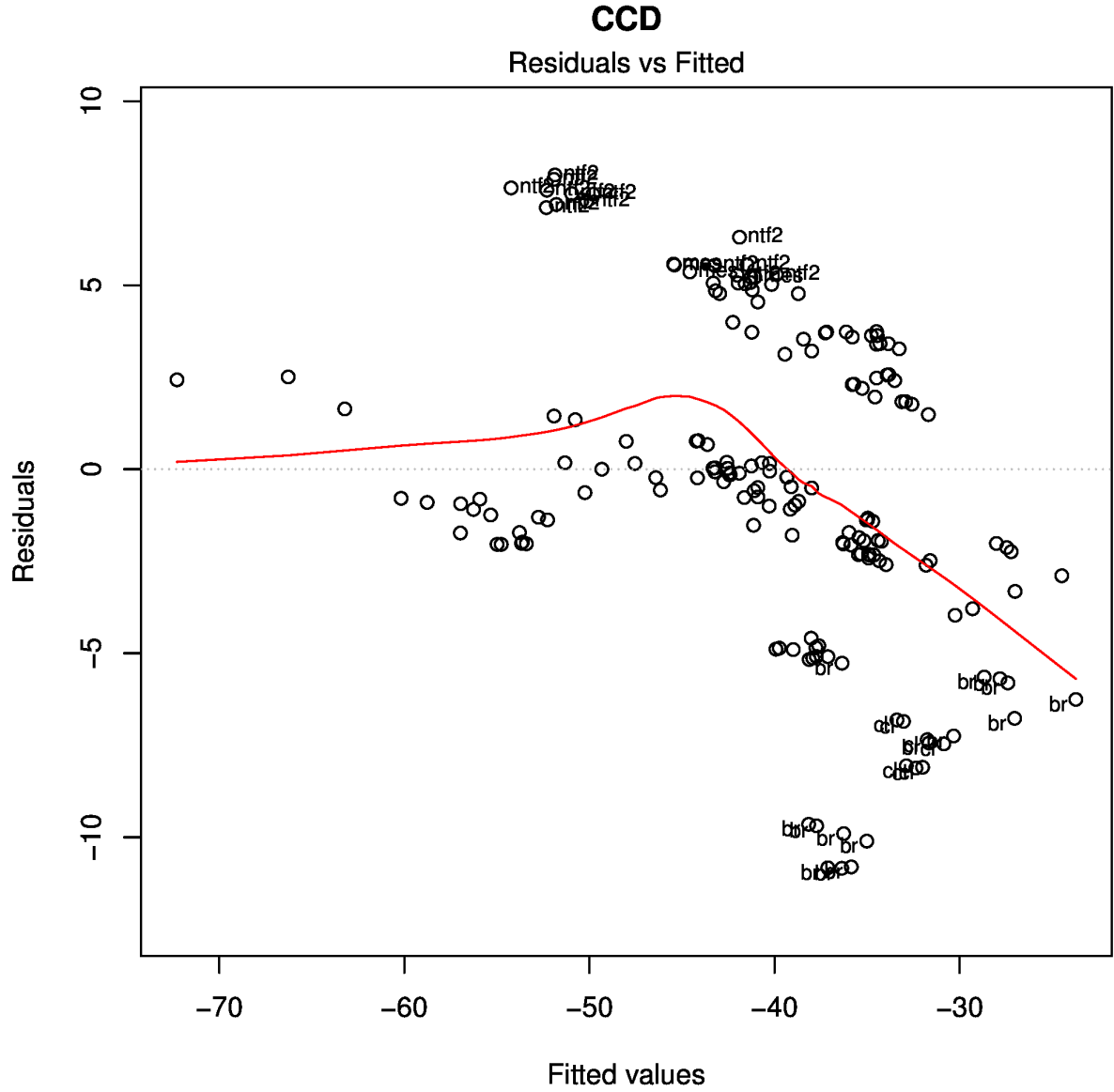


Figure S 17: Residuals vs Fitted values

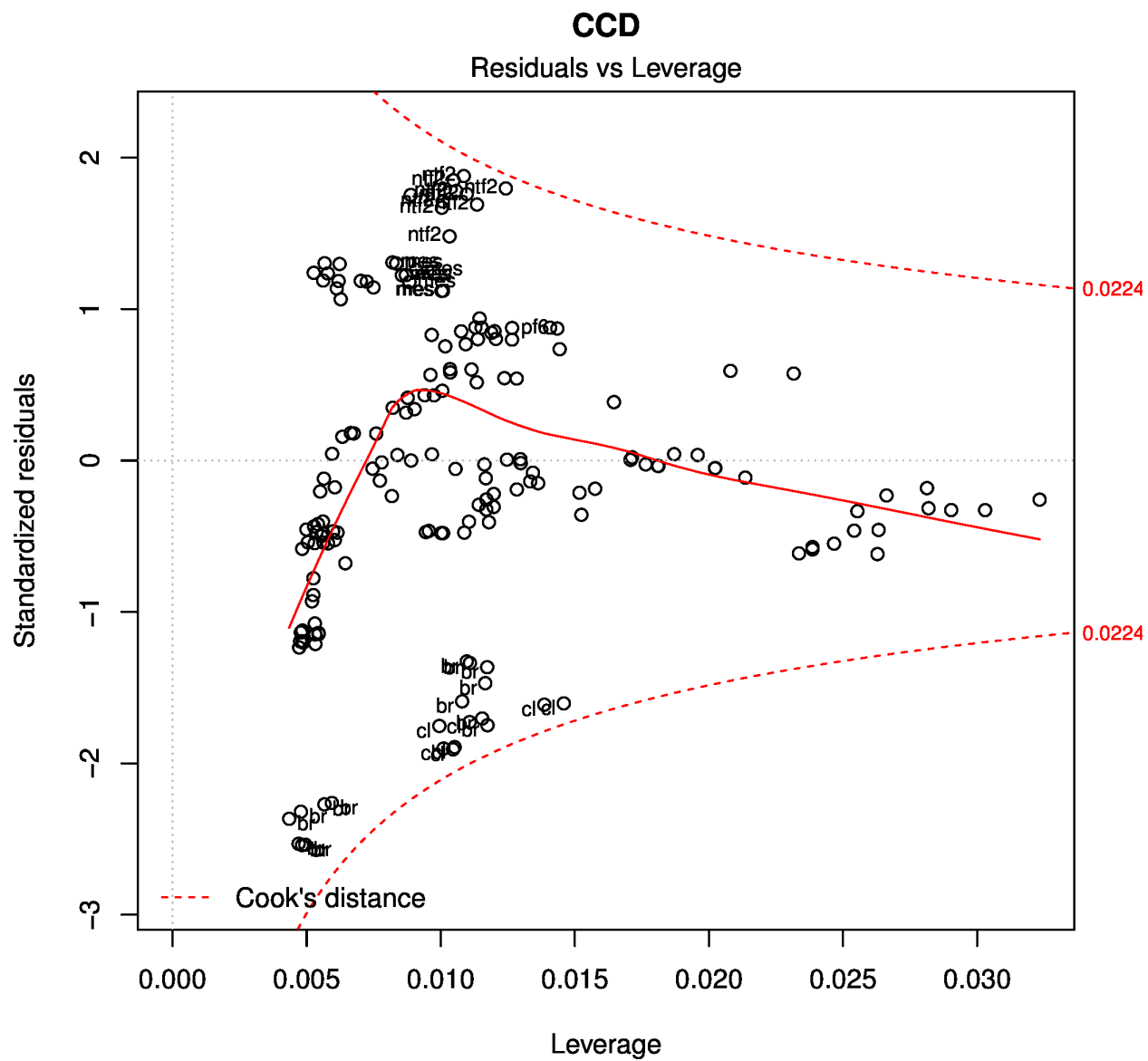


Figure S 20: Residuals vs Leverage plot

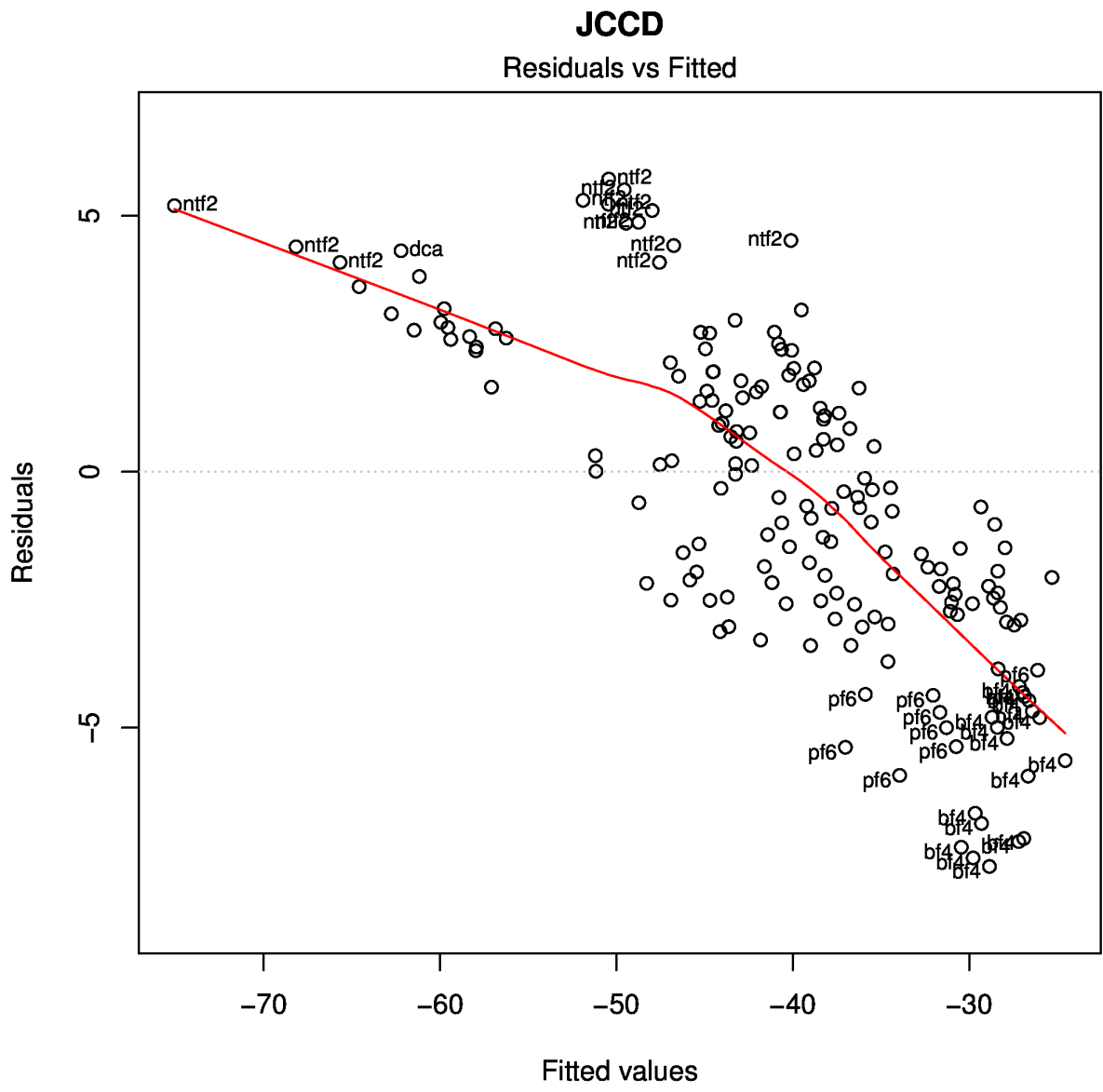


Figure S 21: Residuals vs Fitted values

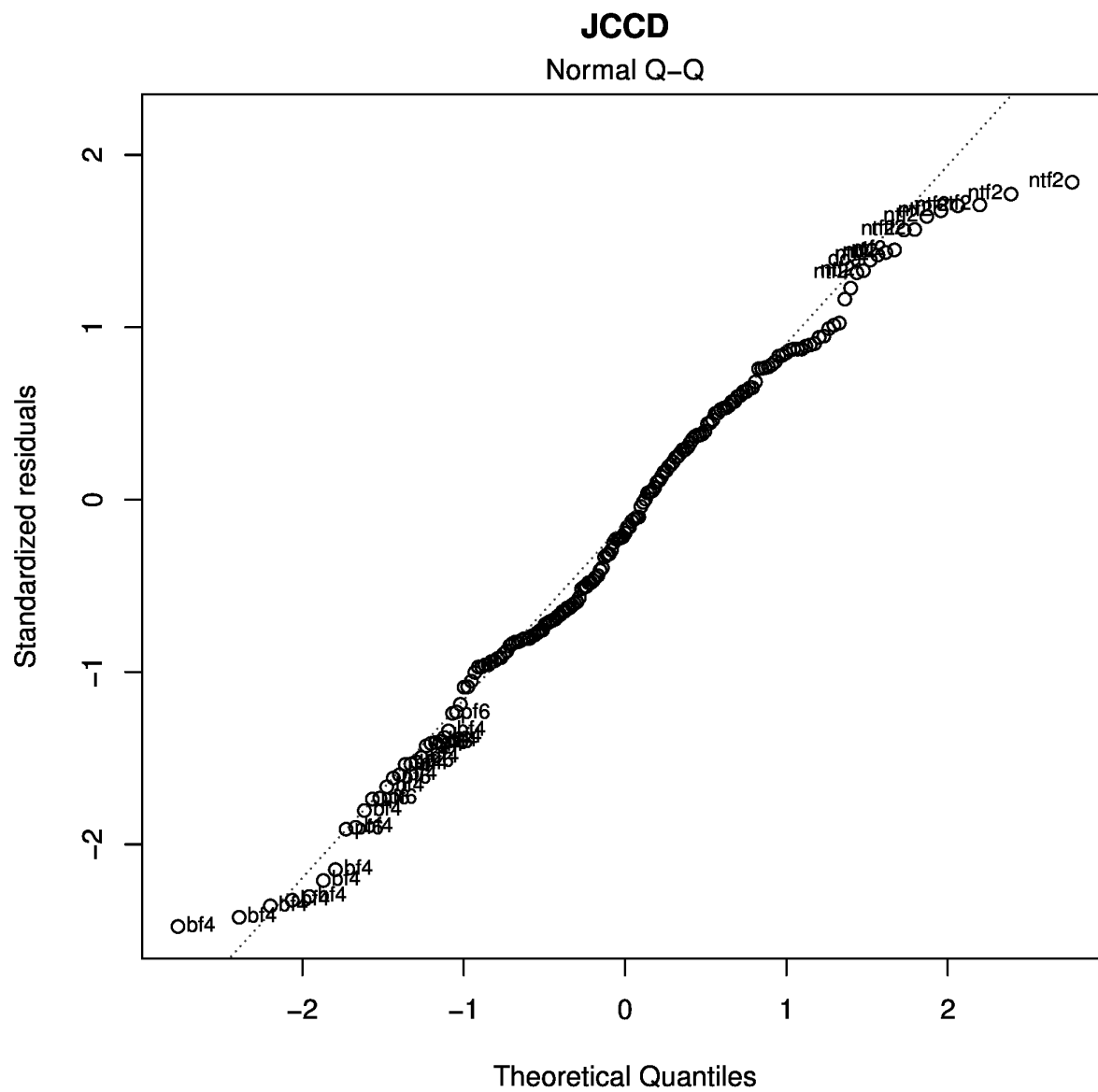


Figure S 22: Q-Q plot

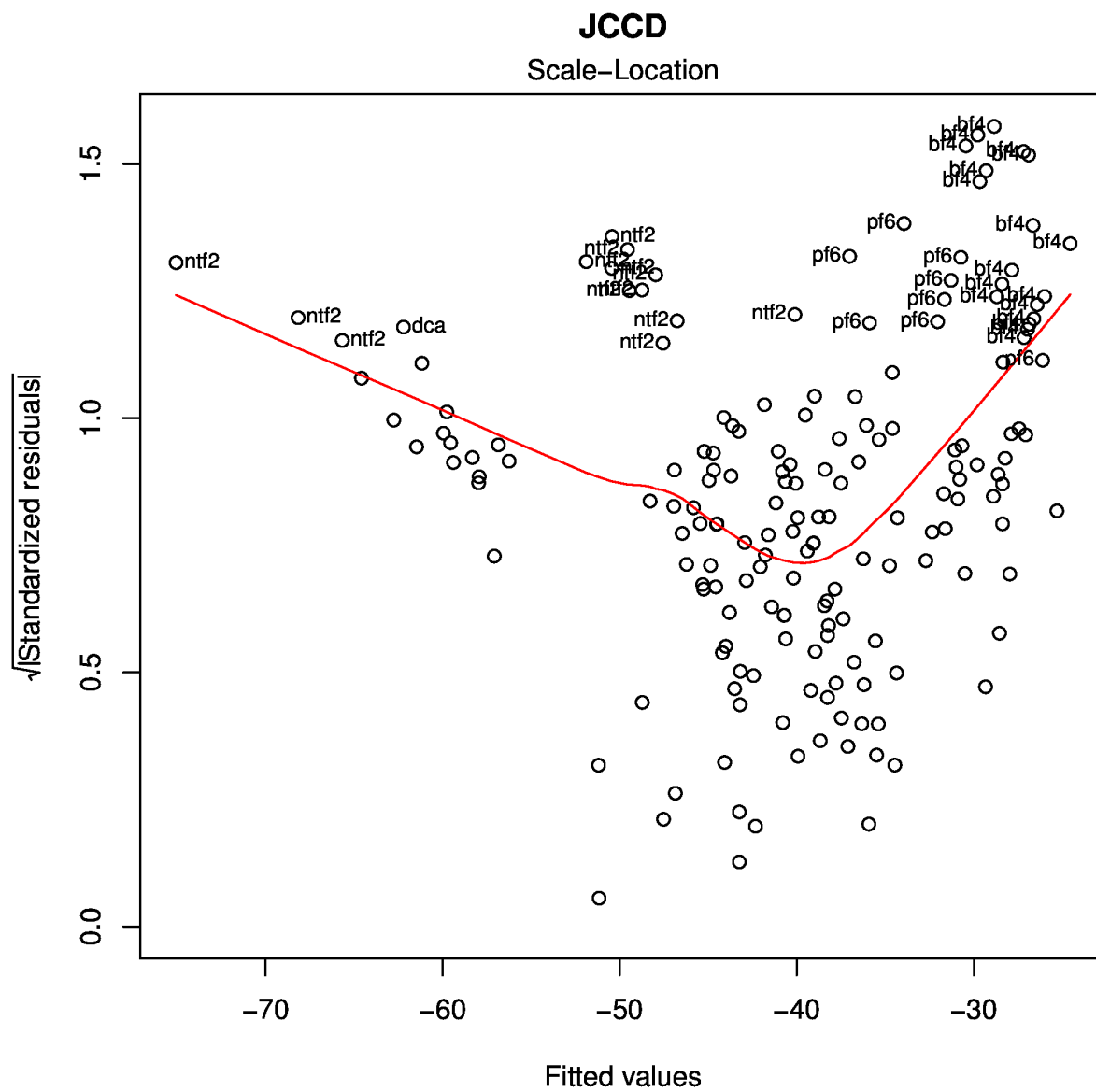


Figure S 23: Scale-Location plot

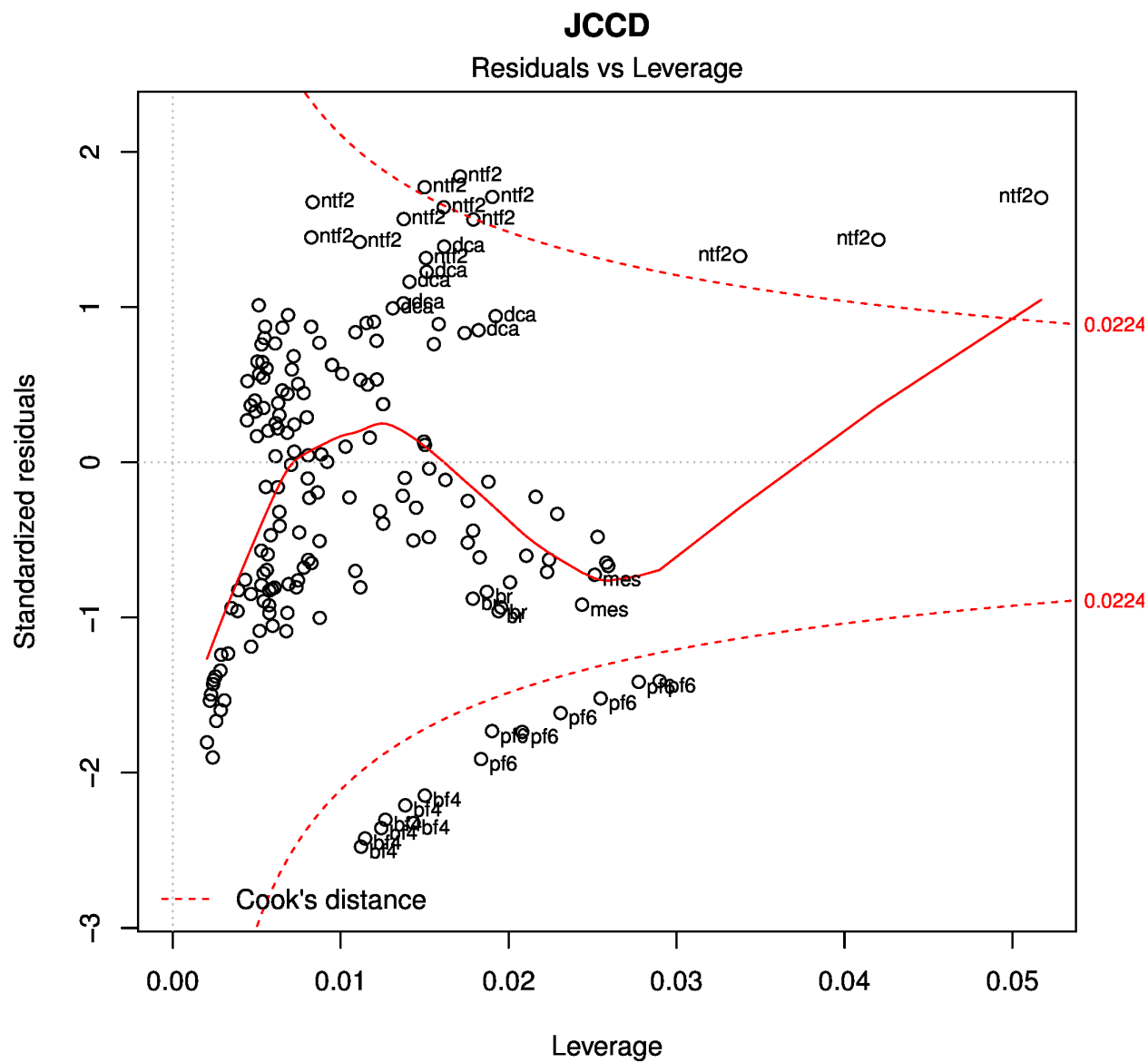


Figure S 24: Residuals vs Leverage plot

3.1.7 ACCD basis set

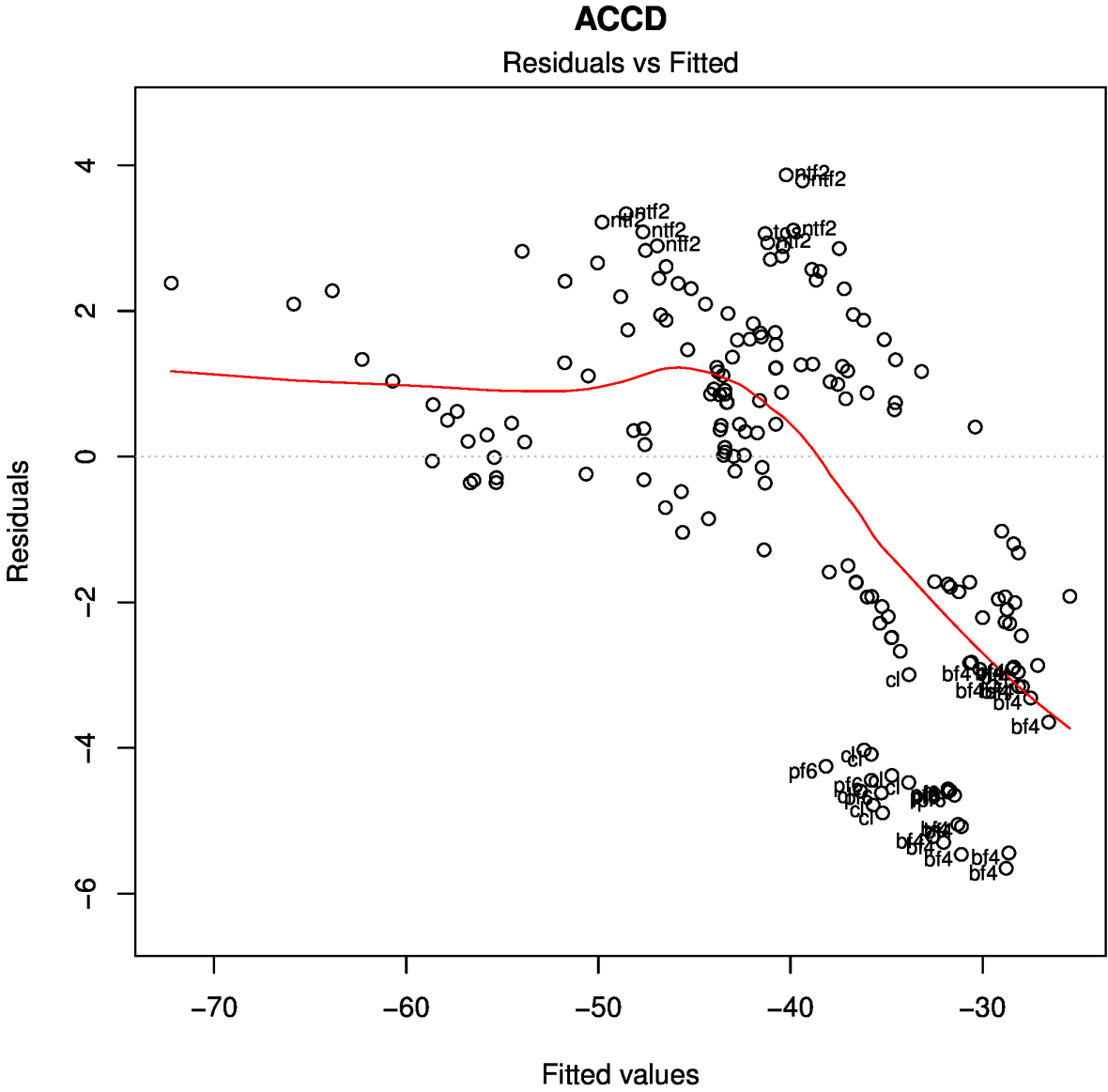


Figure S 25: Residuals vs Fitted values

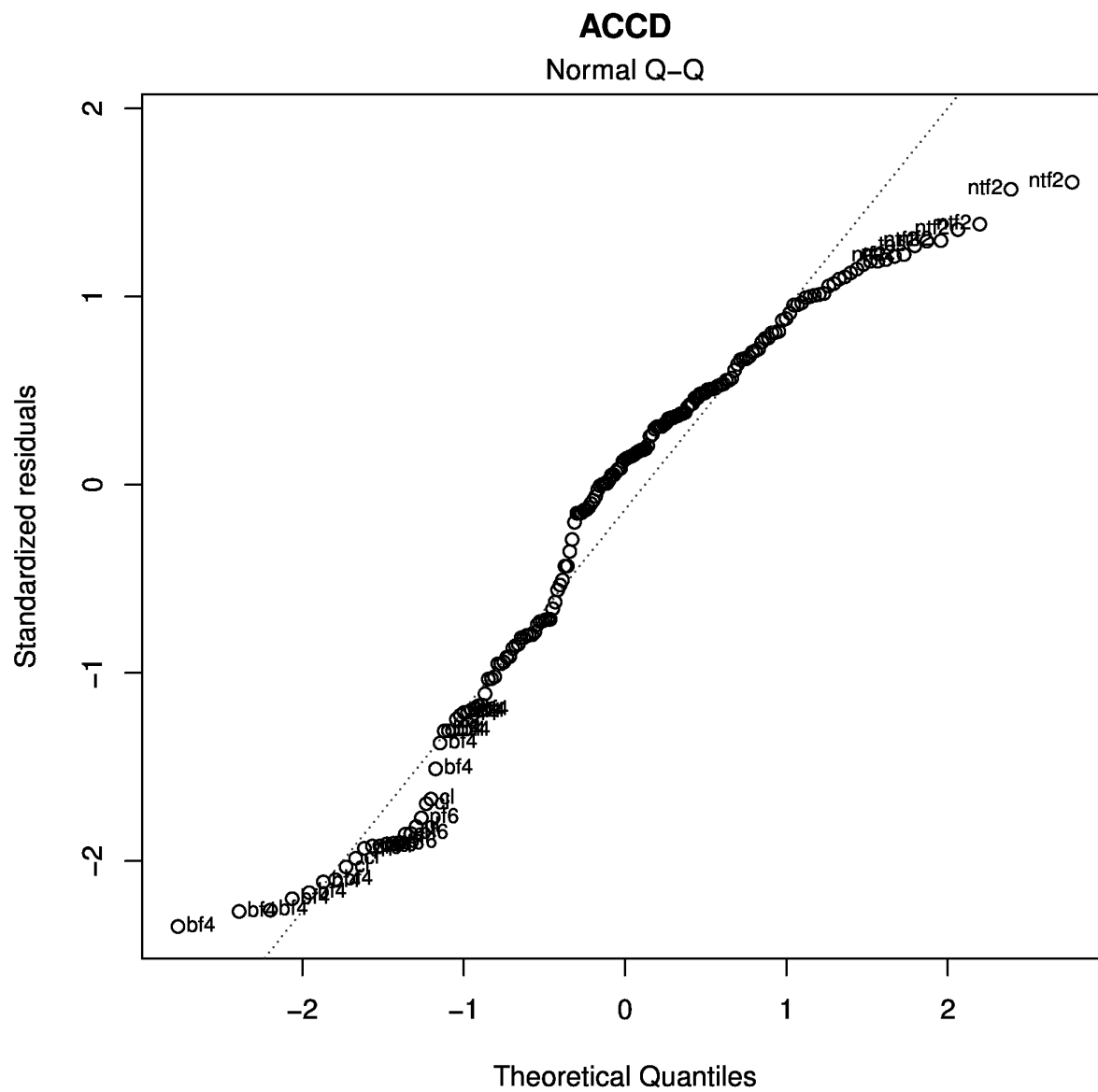


Figure S 26: Q-Q plot

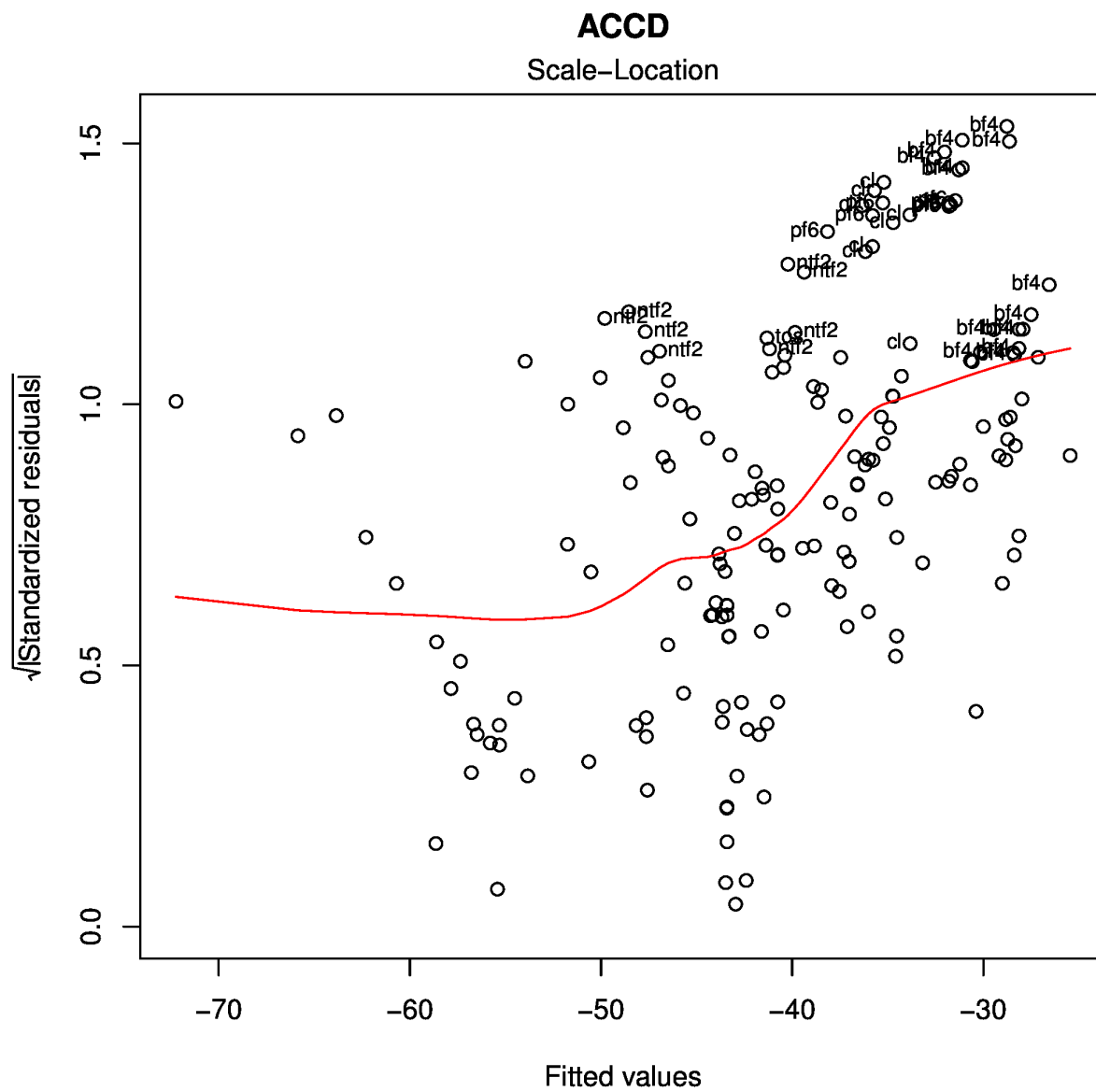


Figure S 27: Scale-Location plot

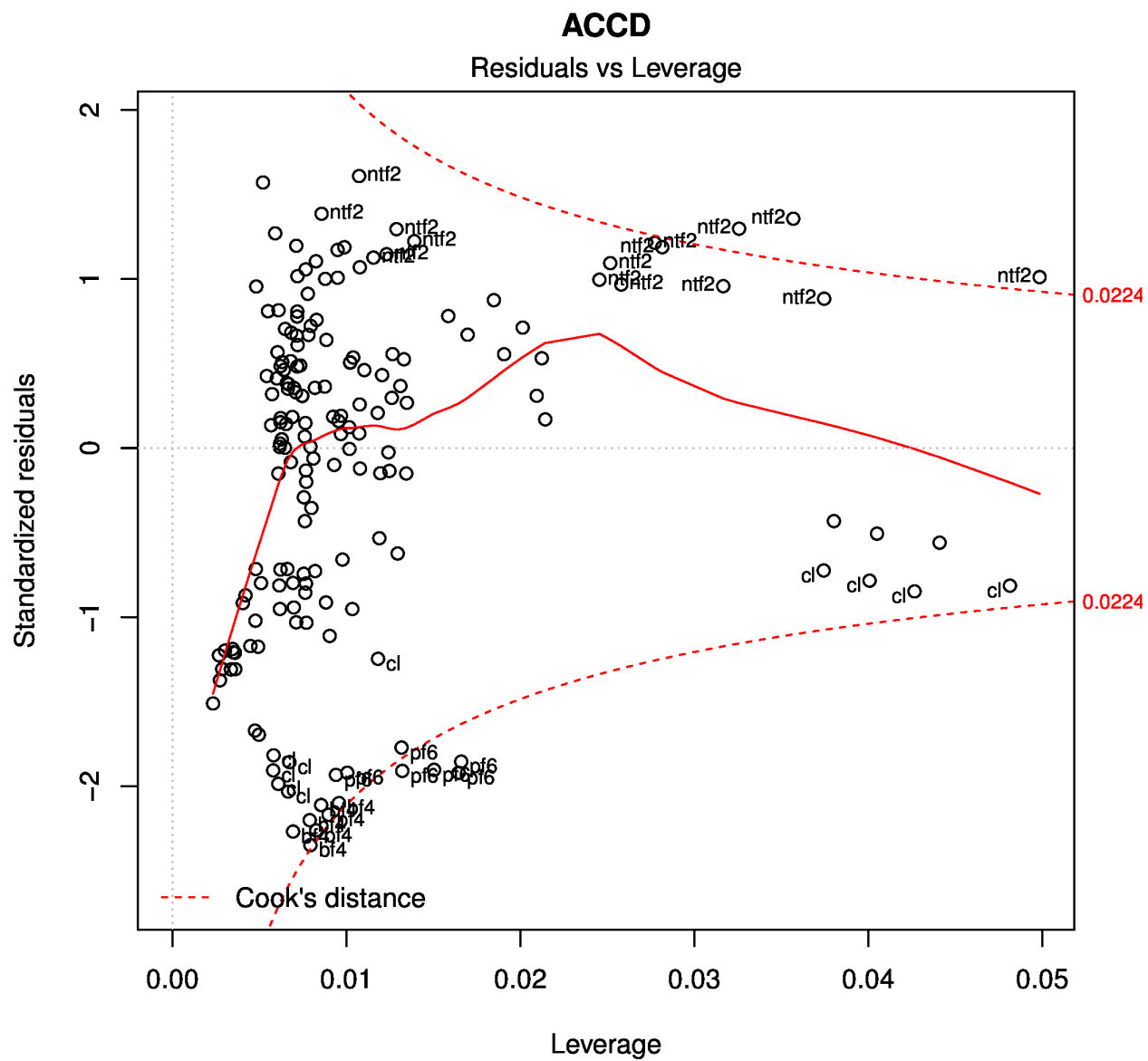


Figure S 28: Residuals vs Leverage plot

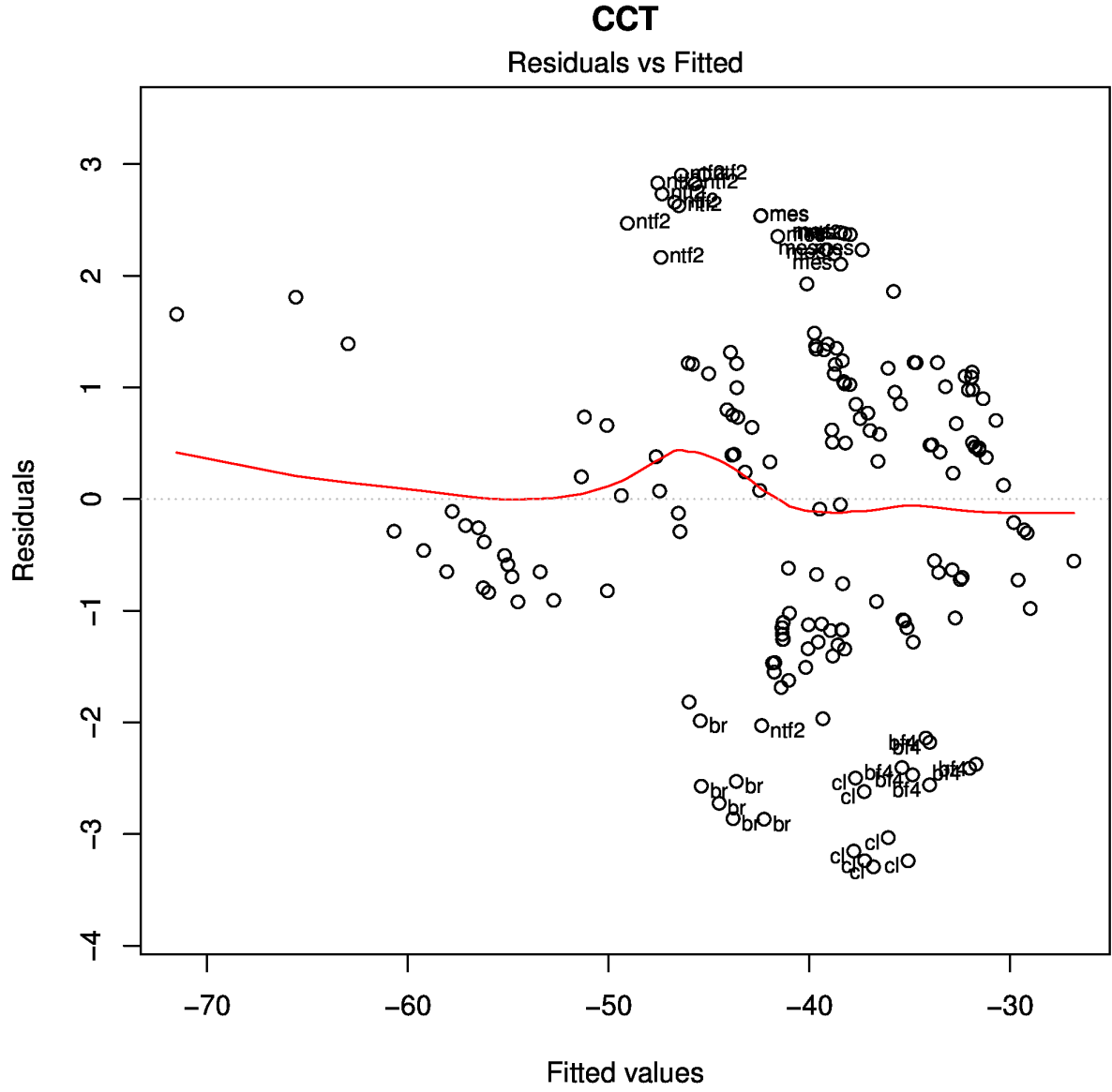


Figure S 29: Residuals vs Fitted values

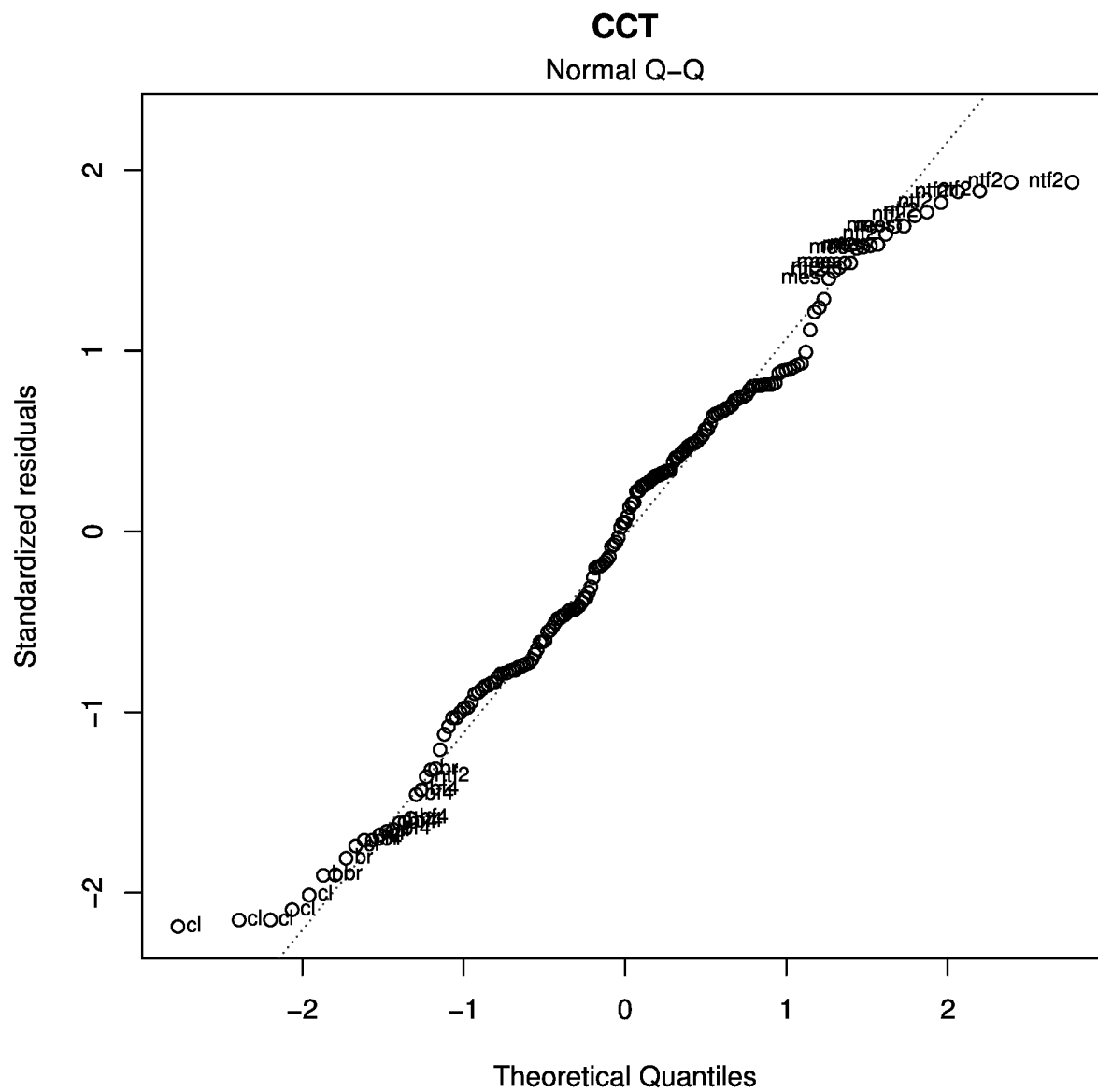


Figure S 30: Q-Q plot

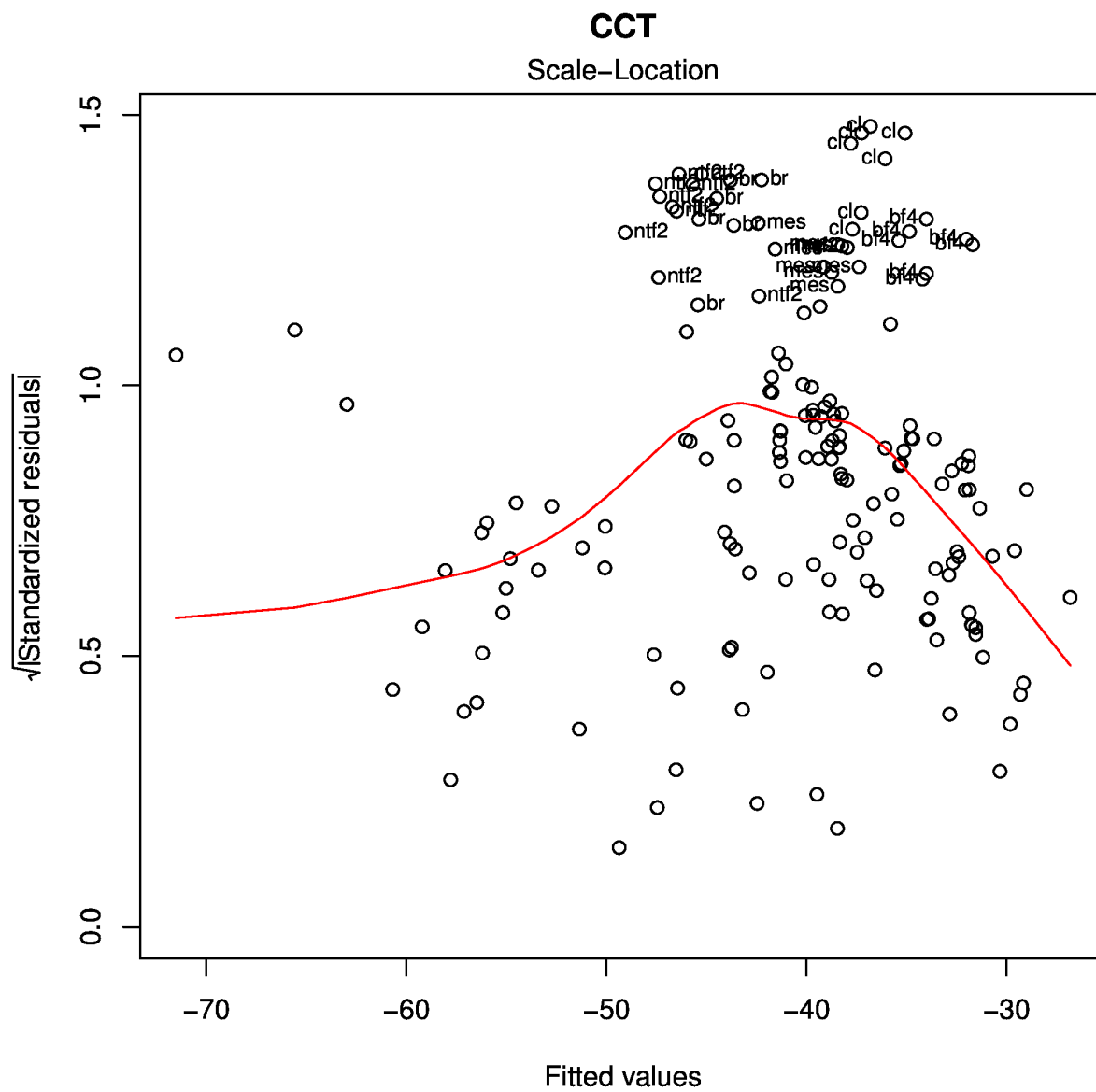


Figure S 31: Scale-Location plot

3.1.9 MCCT basis set

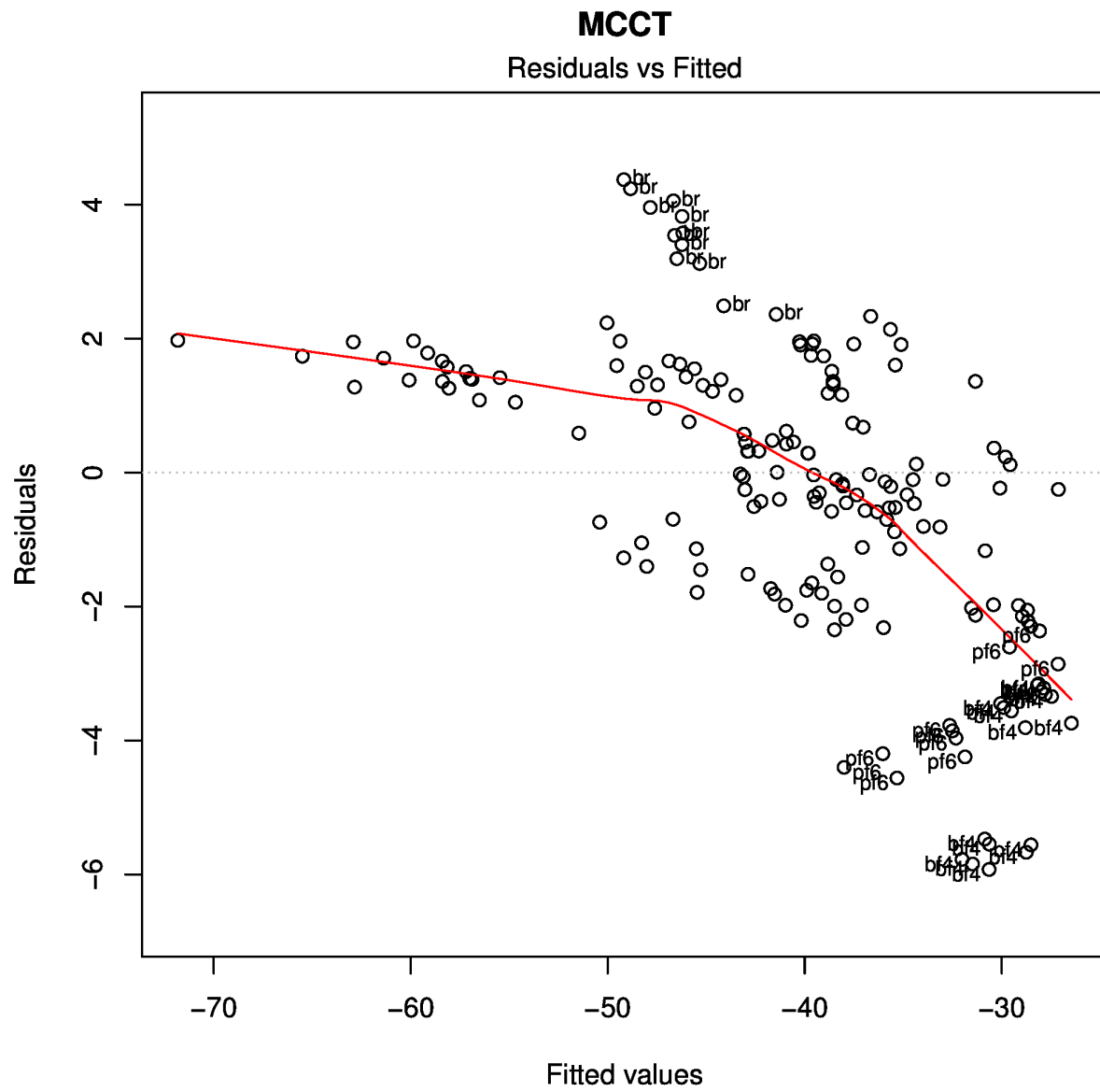


Figure S 33: Residuals vs Fitted values

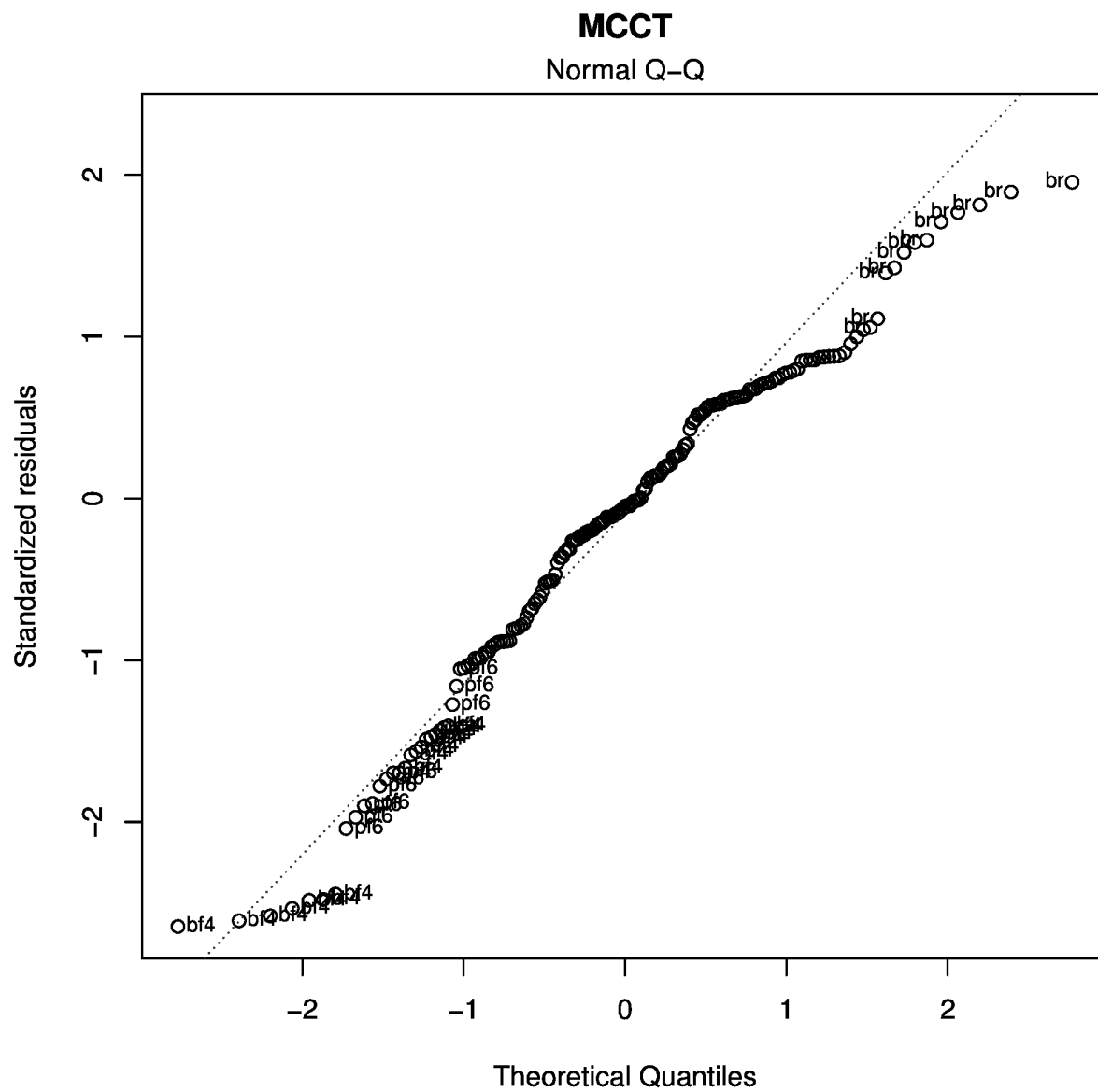


Figure S 34: Q-Q plot

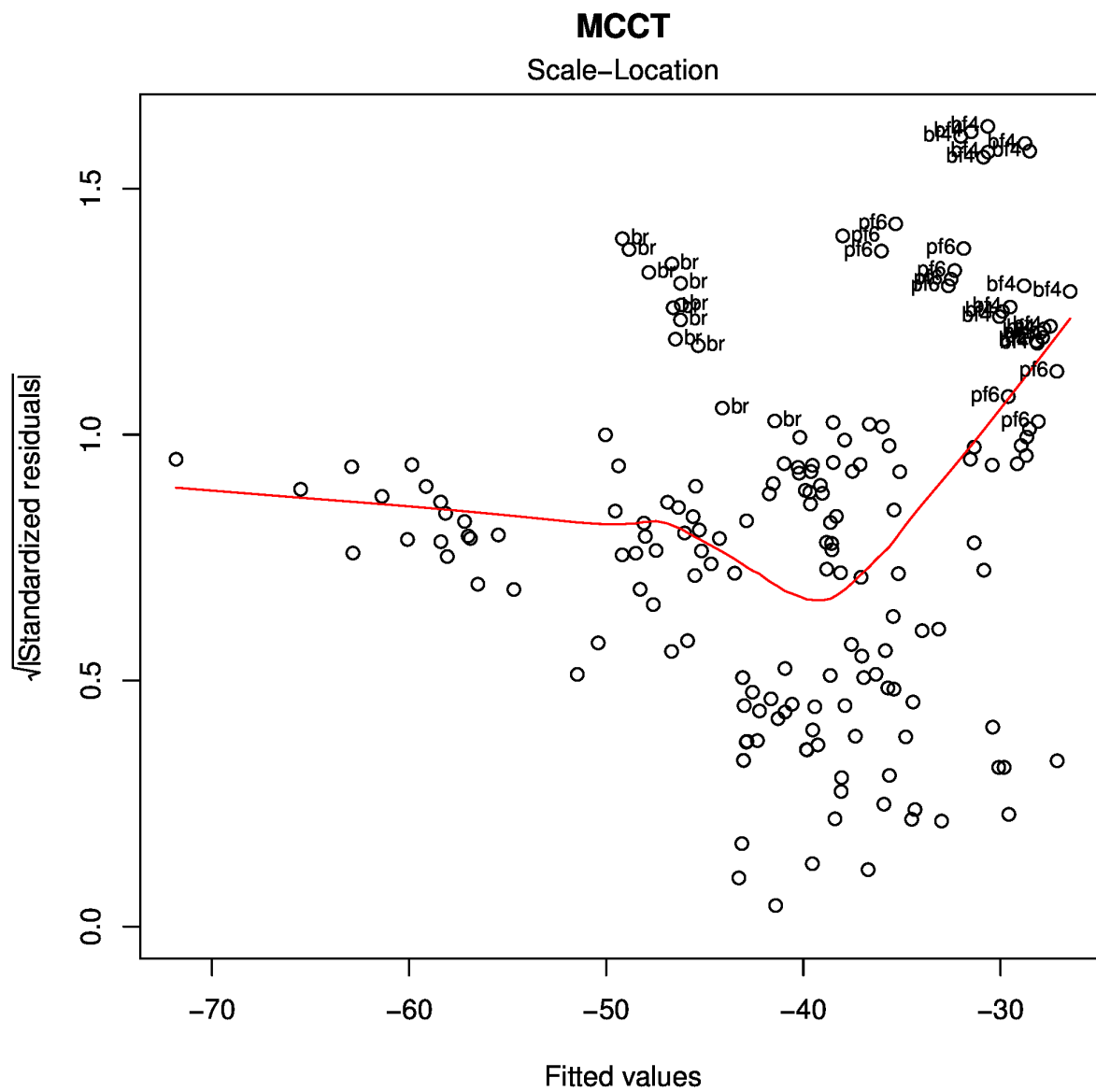


Figure S 35: Scale-Location plot

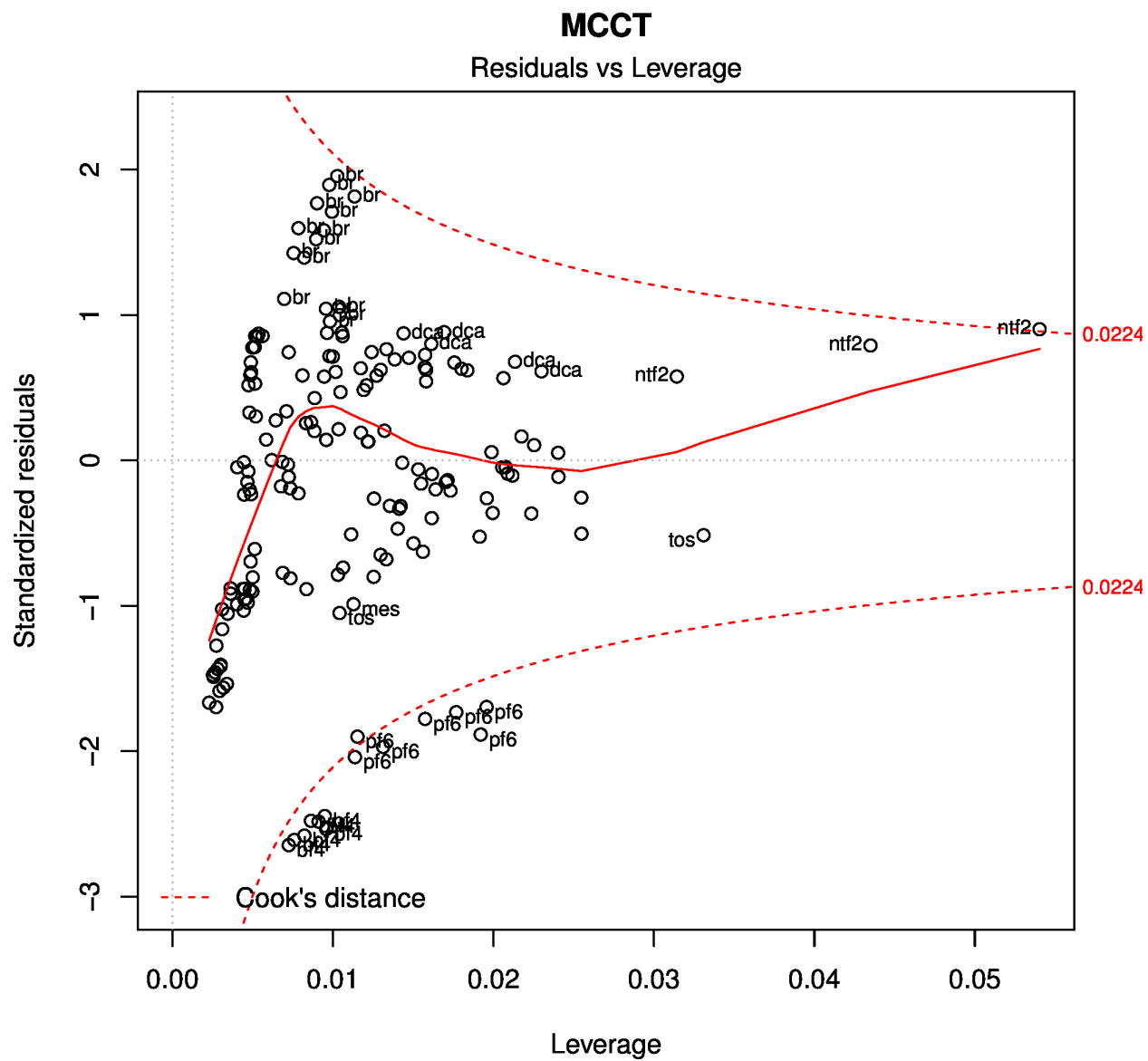


Figure S 36: Residuals vs Leverage plot

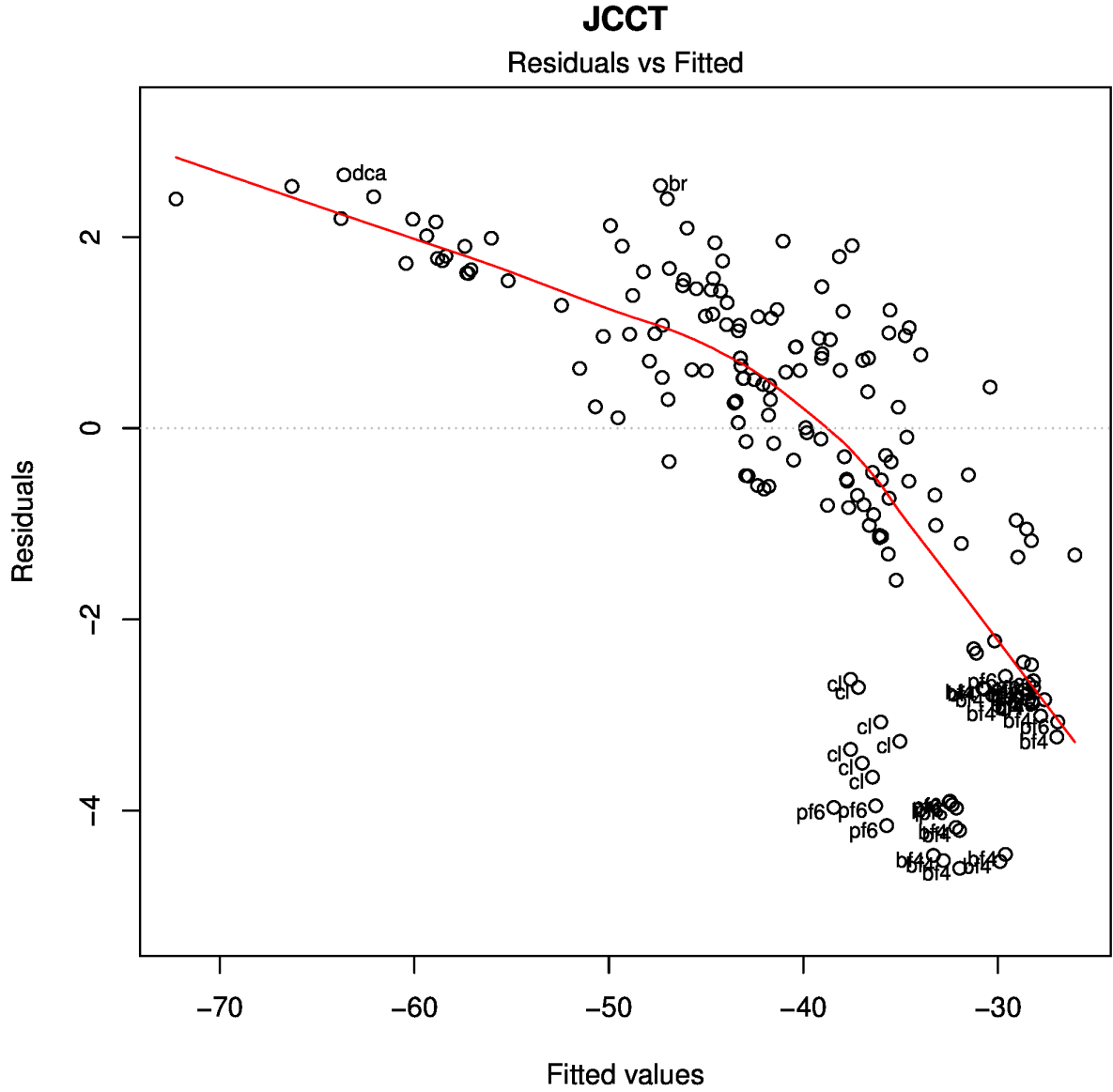
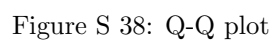


Figure S 37: Residuals vs Fitted values



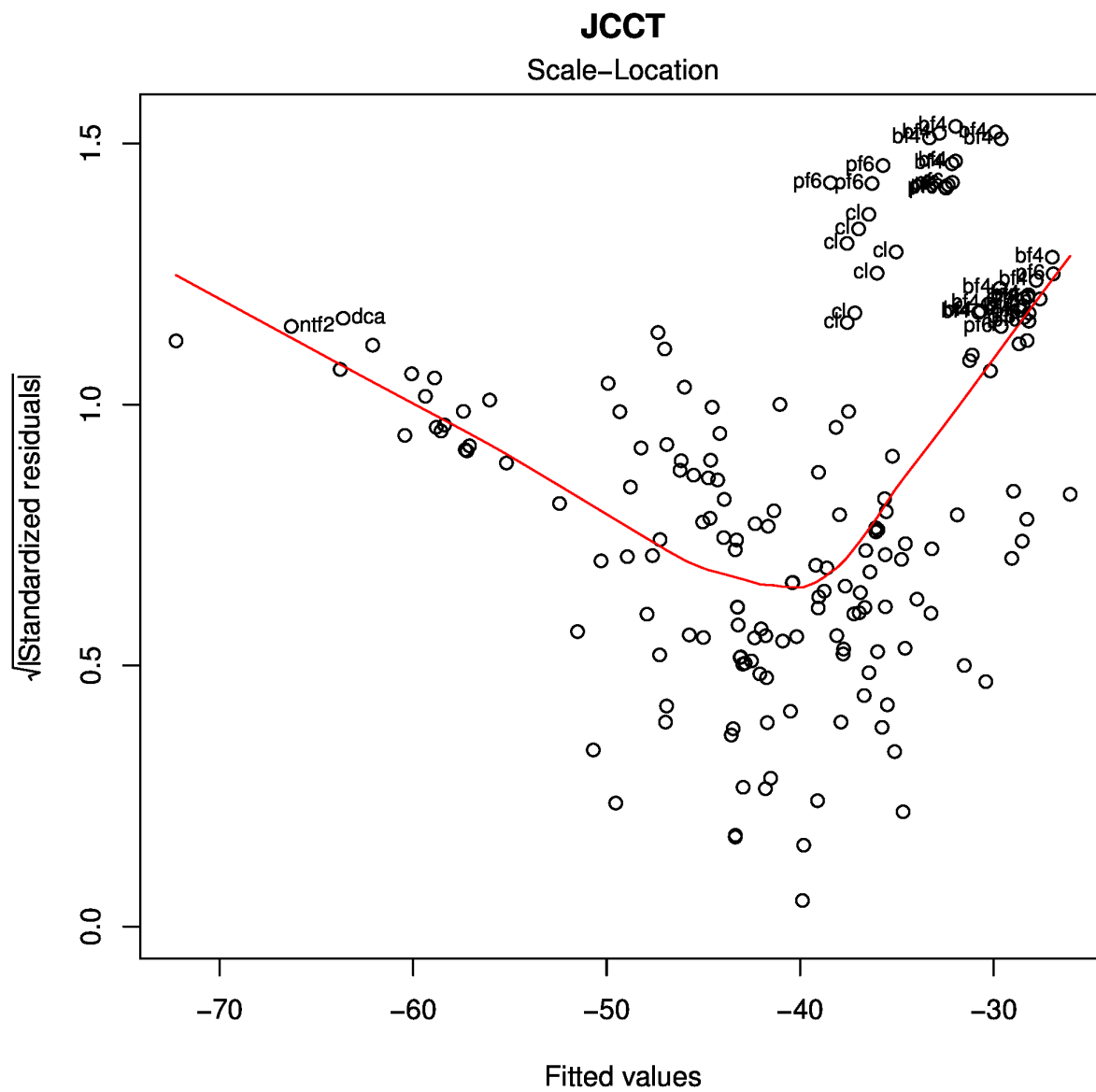


Figure S 39: Scale-Location plot

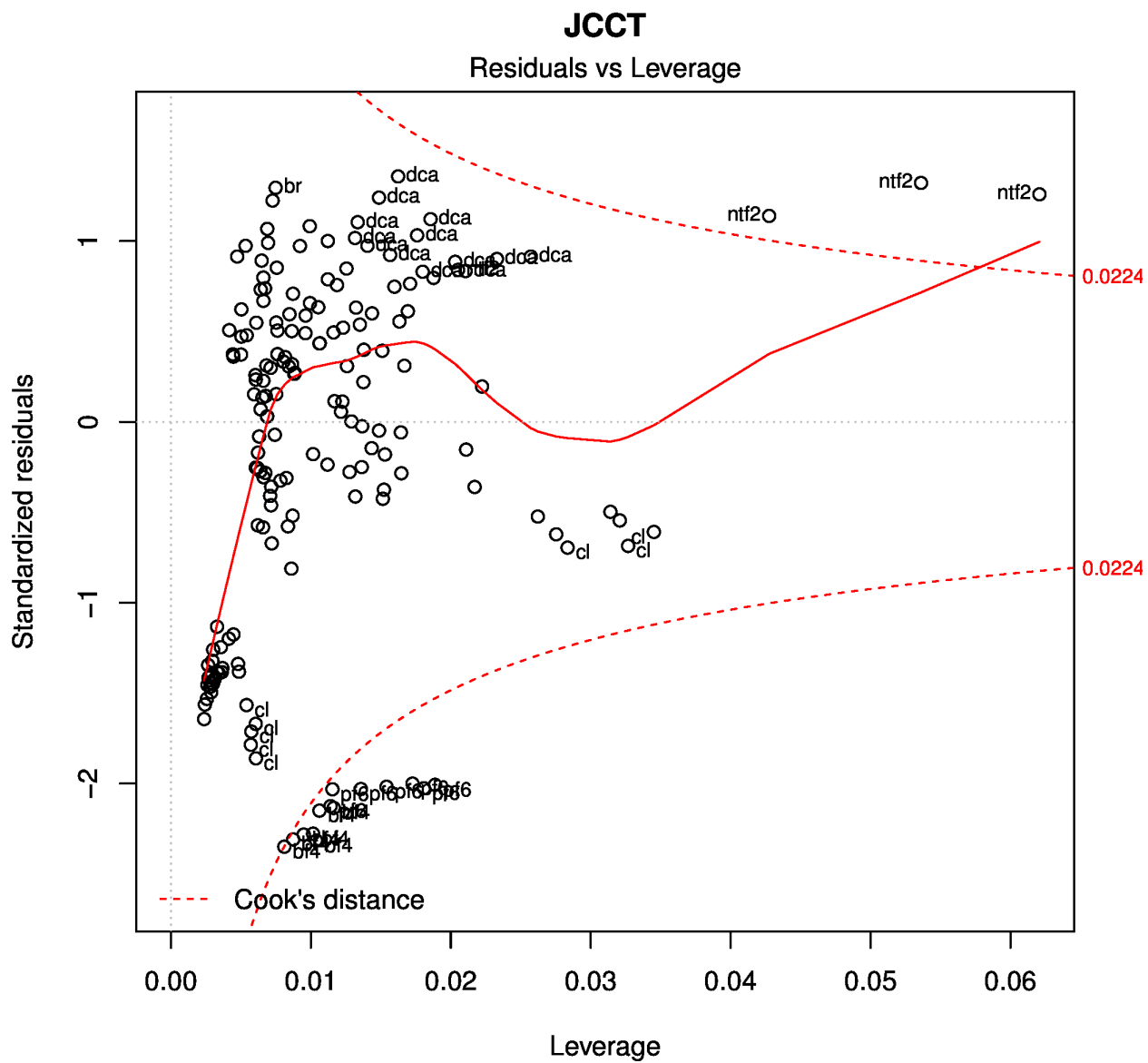


Figure S 40: Residuals vs Leverage plot

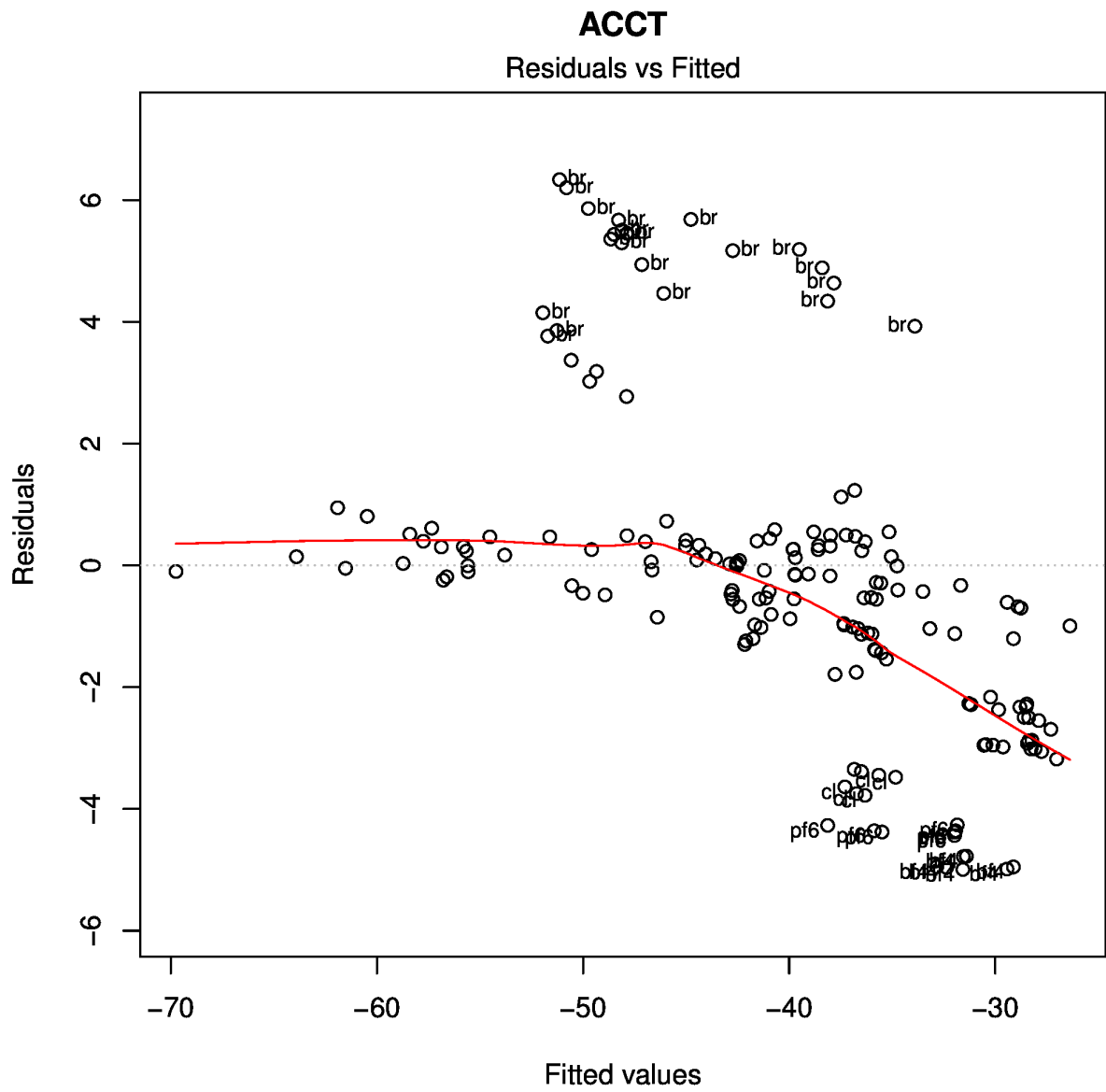


Figure S 41: Residuals vs Fitted values

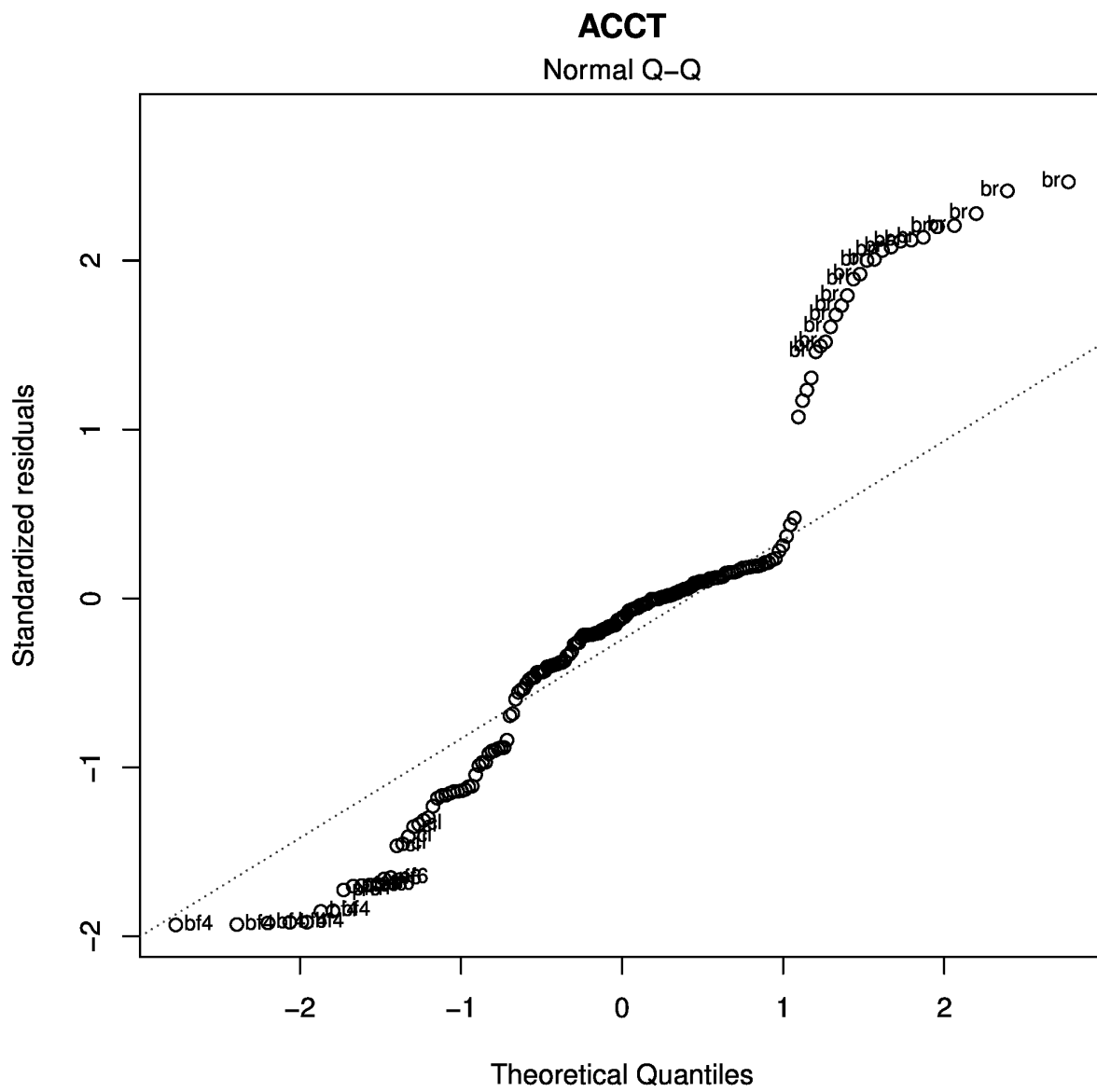


Figure S 42: Q-Q plot

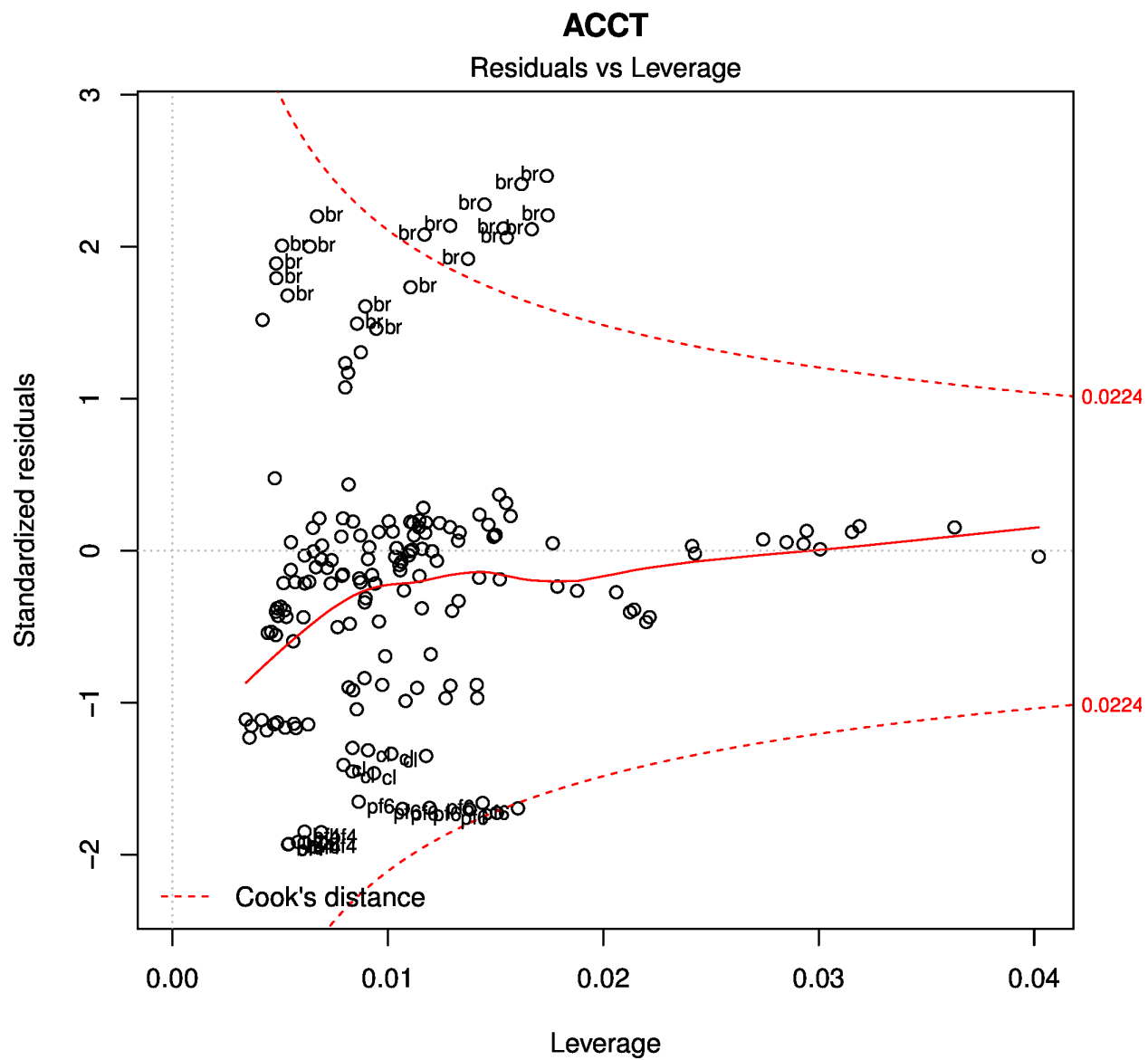


Figure S 44: Residuals vs Leverage plot

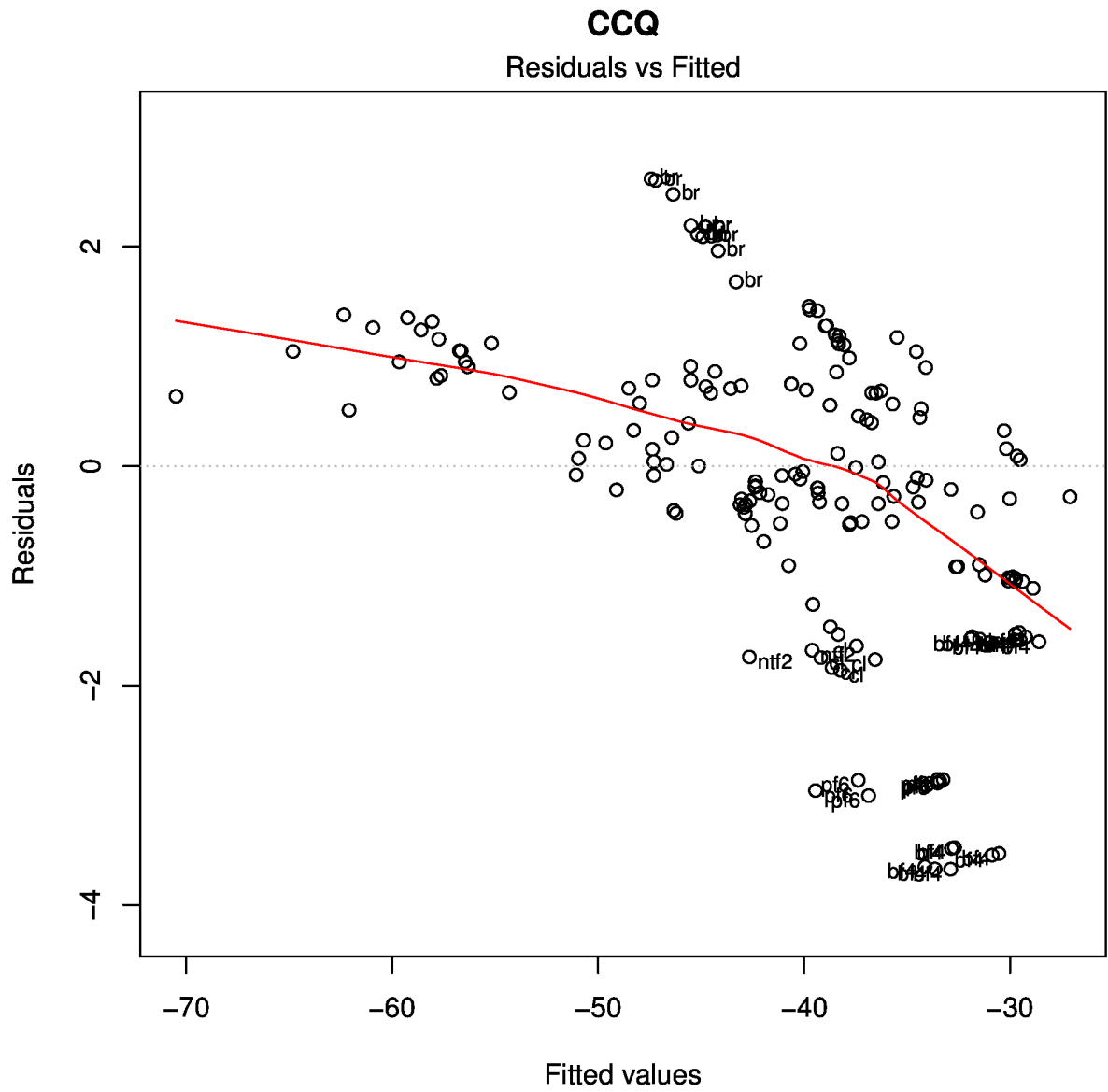


Figure S 45: Residuals vs Fitted values

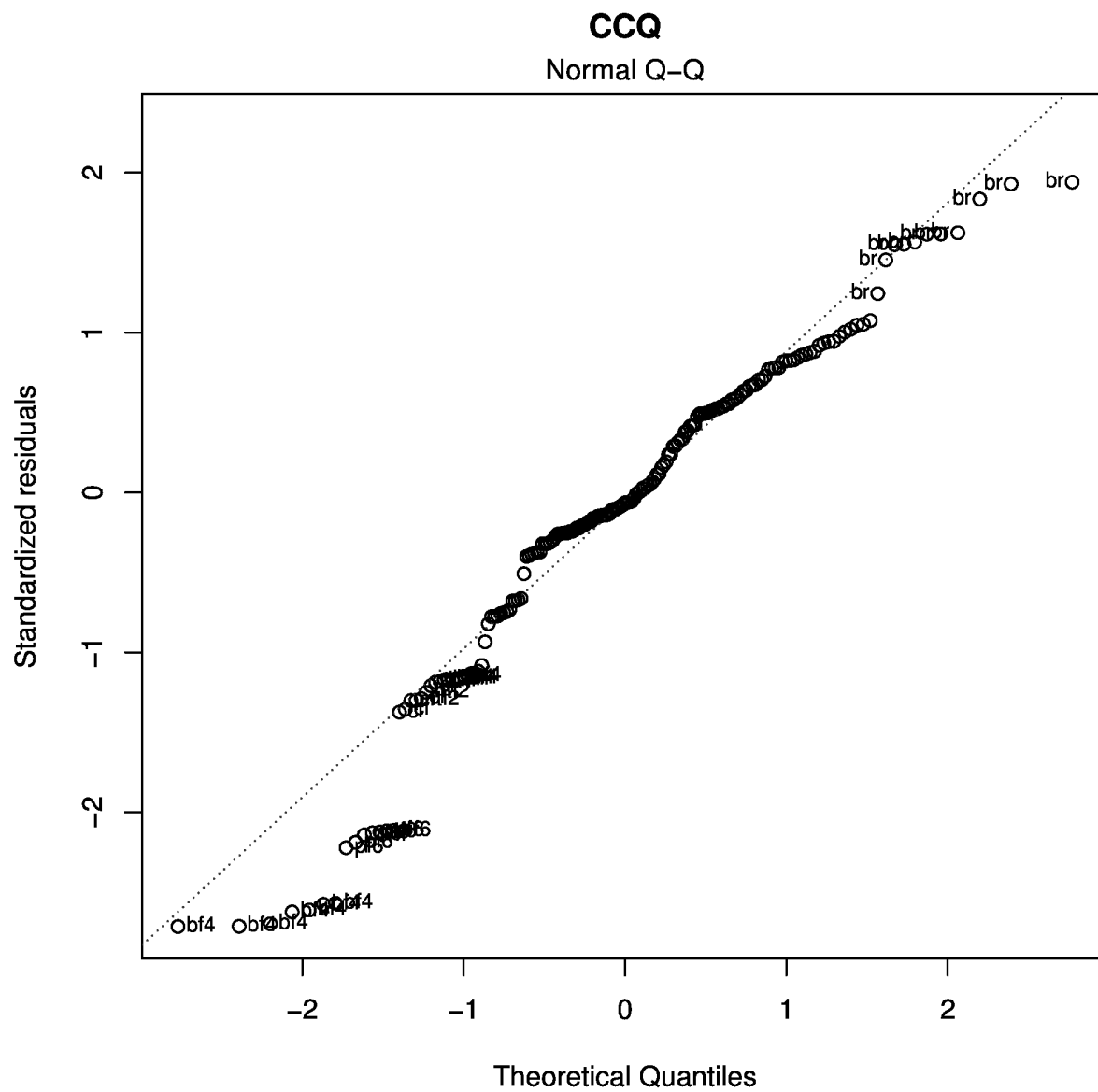


Figure S 46: Q-Q plot

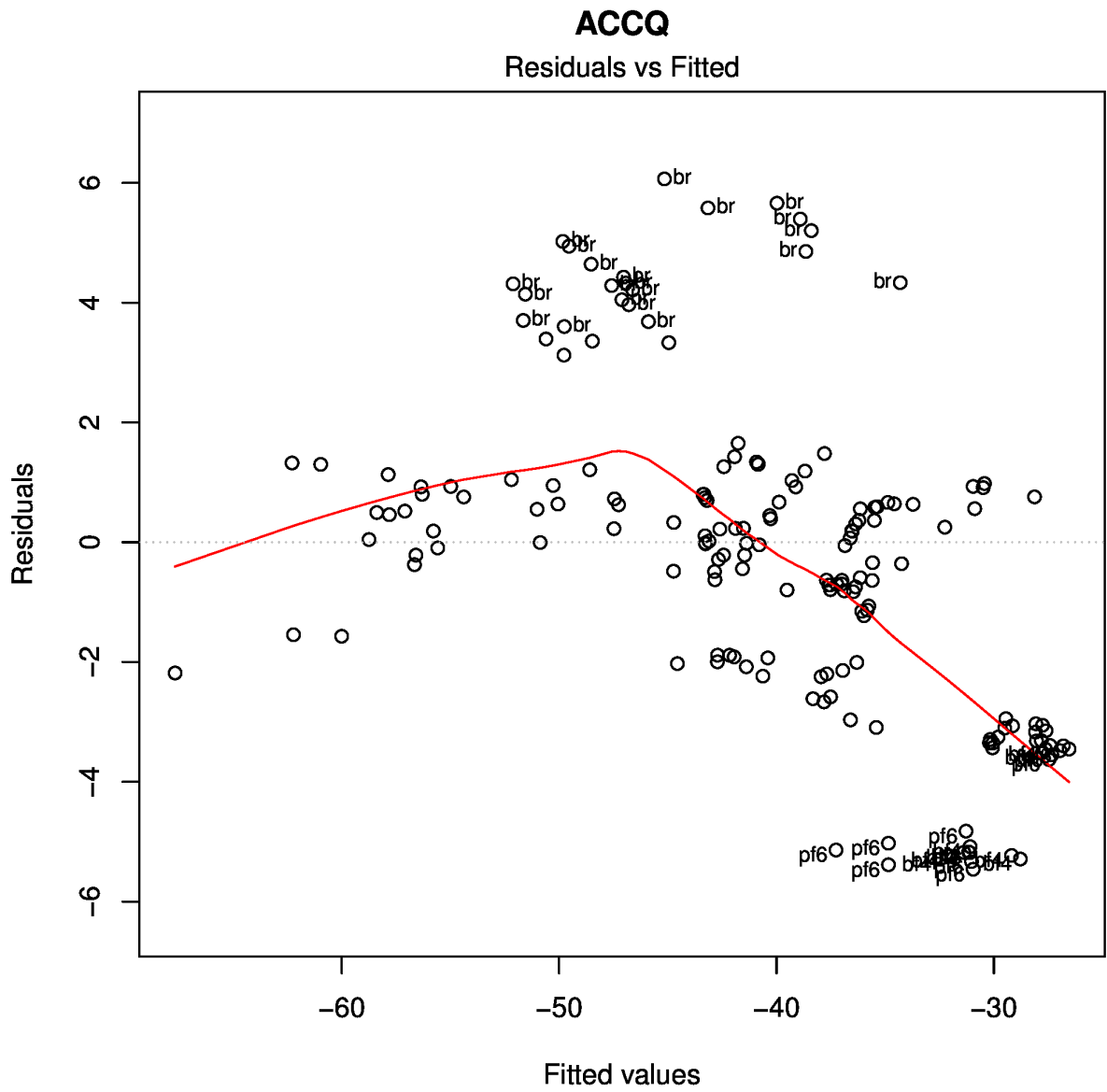


Figure S 49: Residuals vs Fitted values

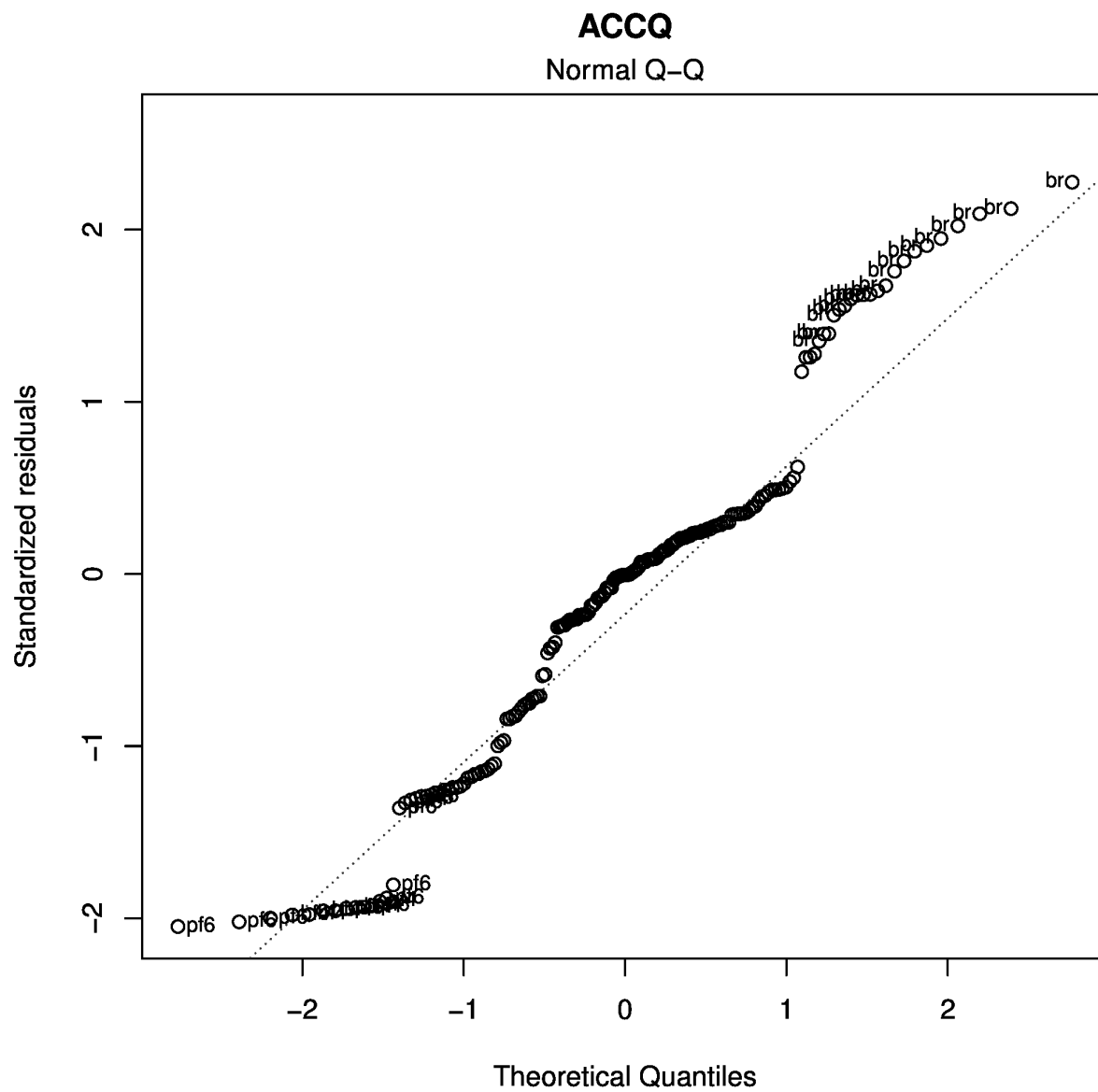


Figure S 50: Q-Q plot

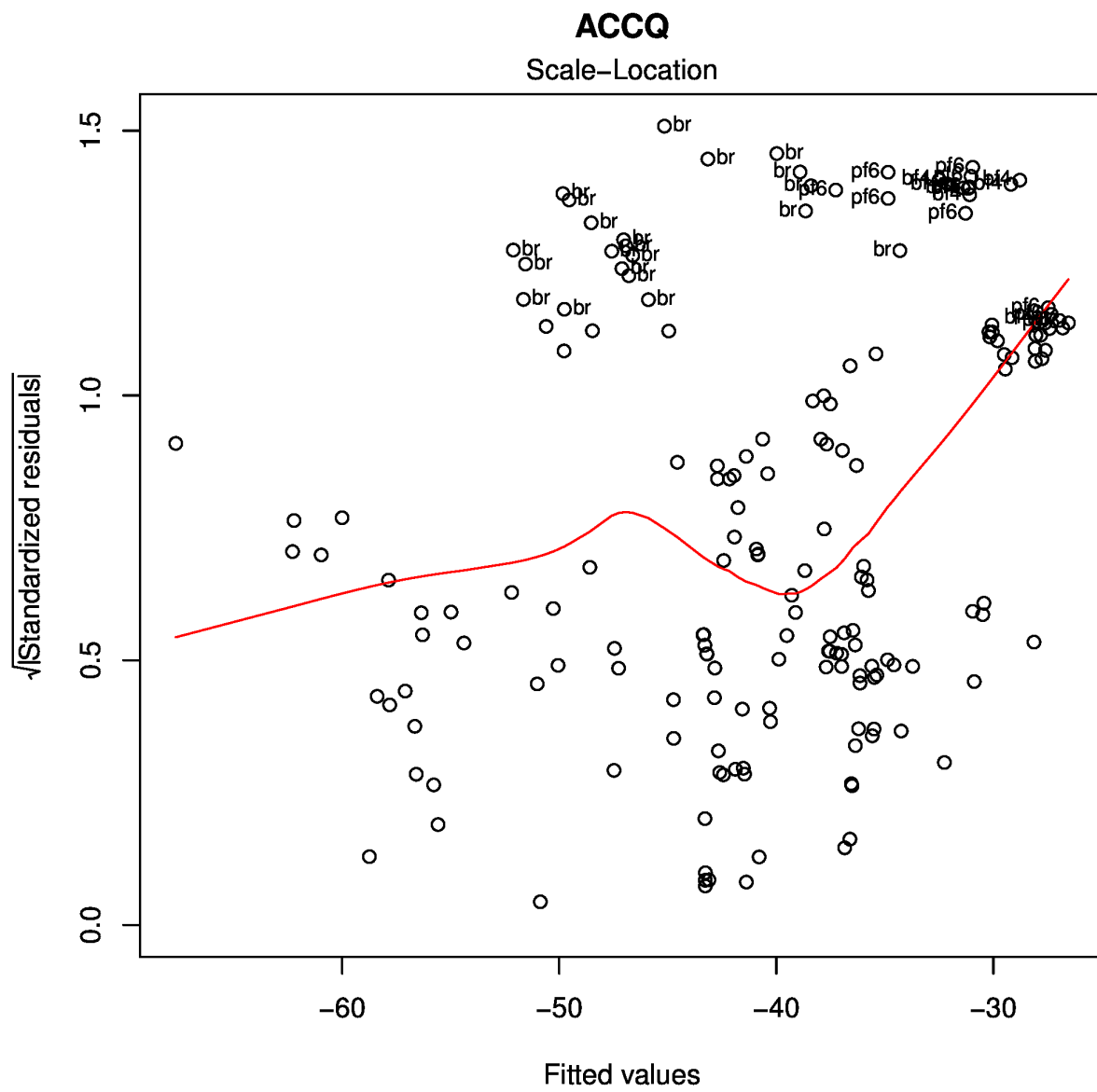


Figure S 51: Scale-Location plot

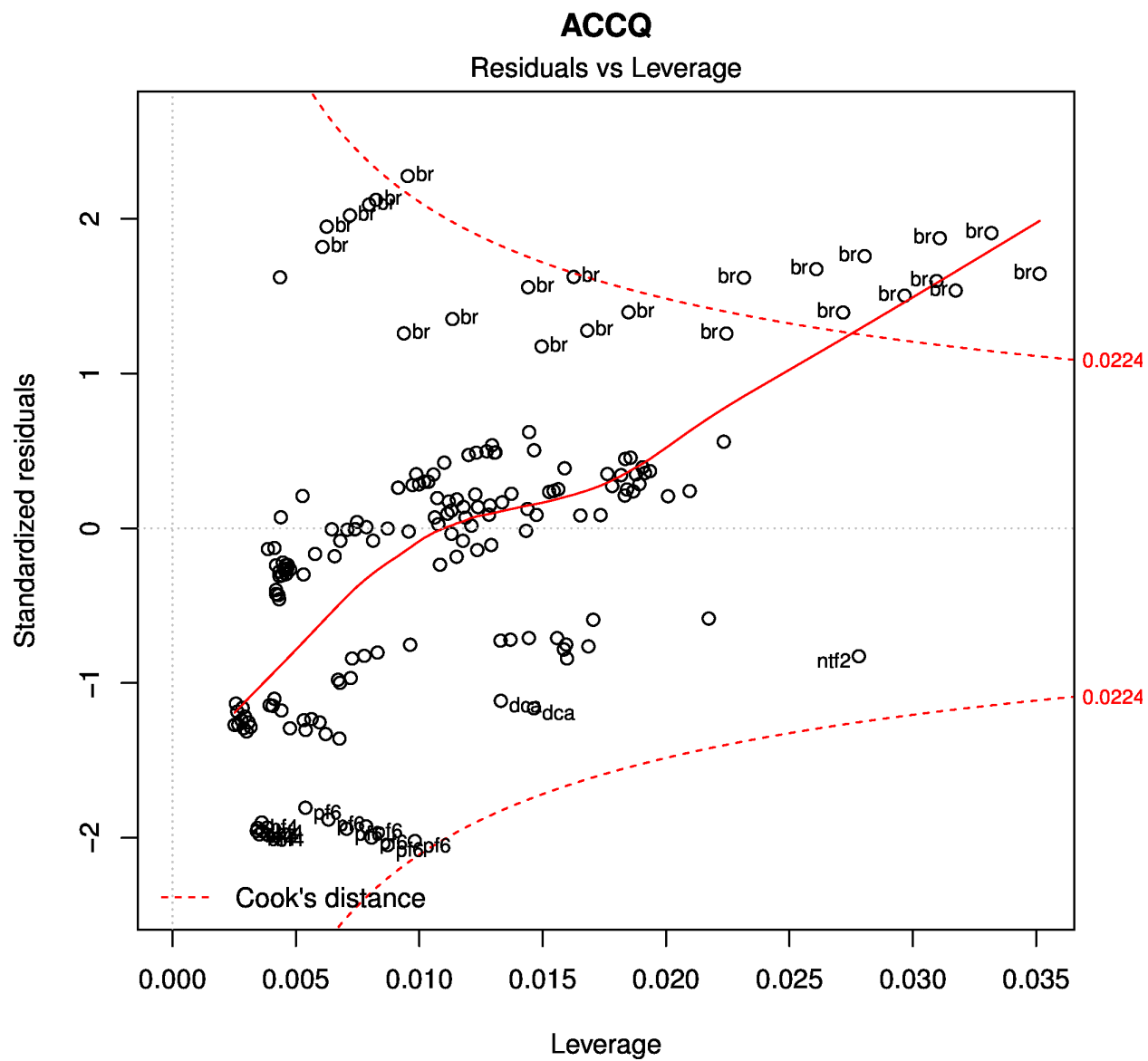


Figure S 52: Residuals vs Leverage plot

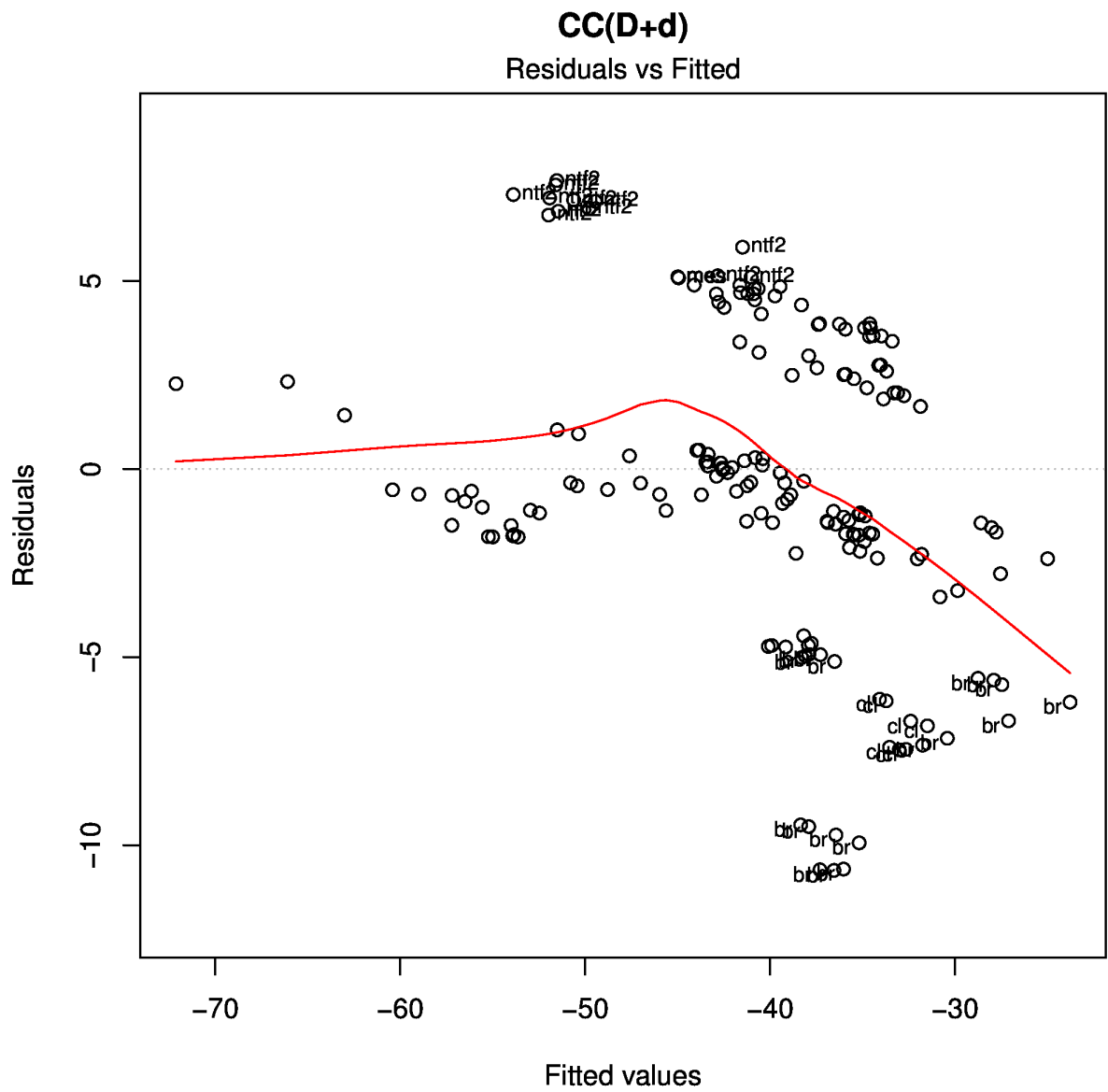


Figure S 53: Residuals vs Fitted values

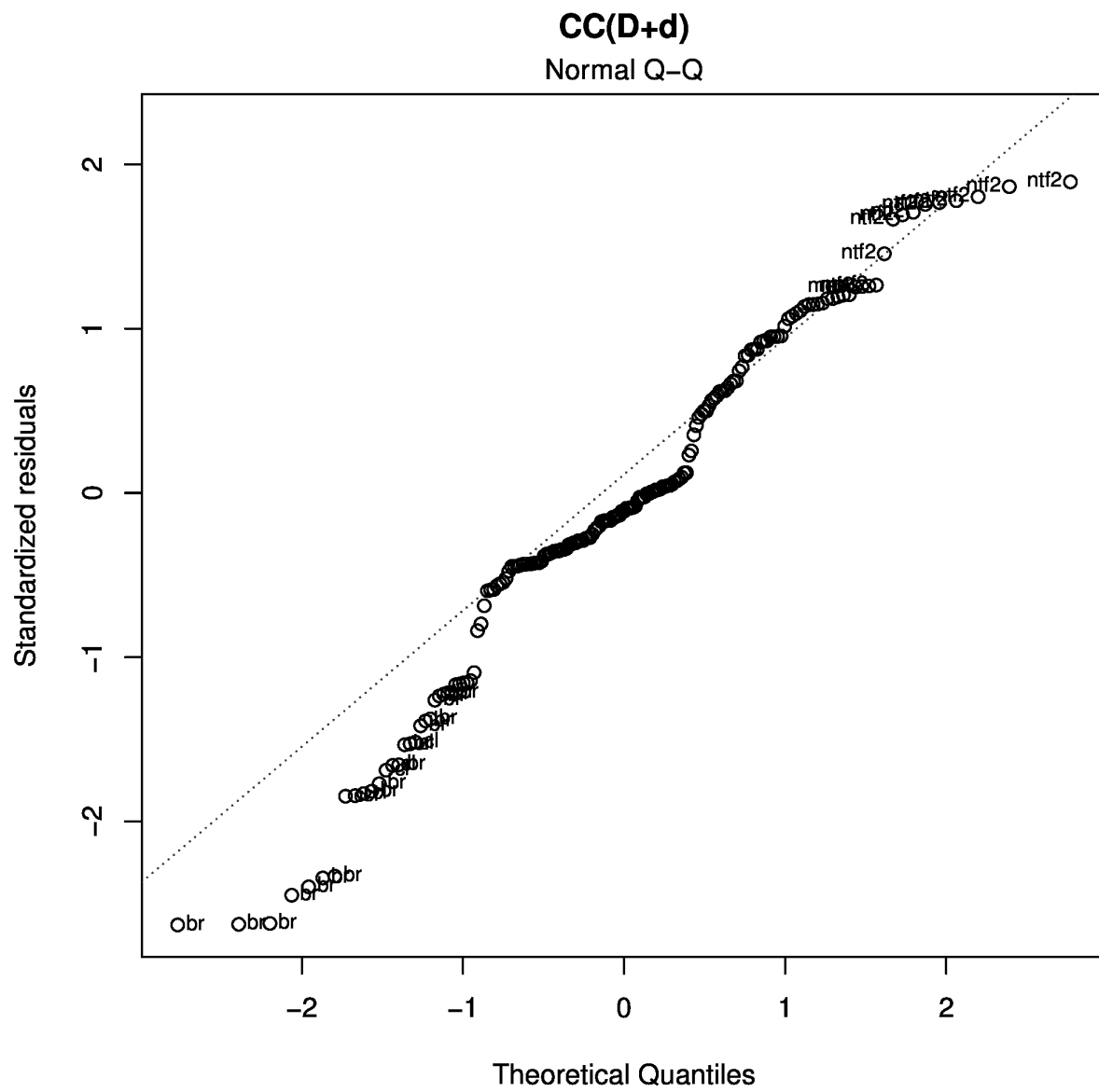


Figure S 54: Q-Q plot

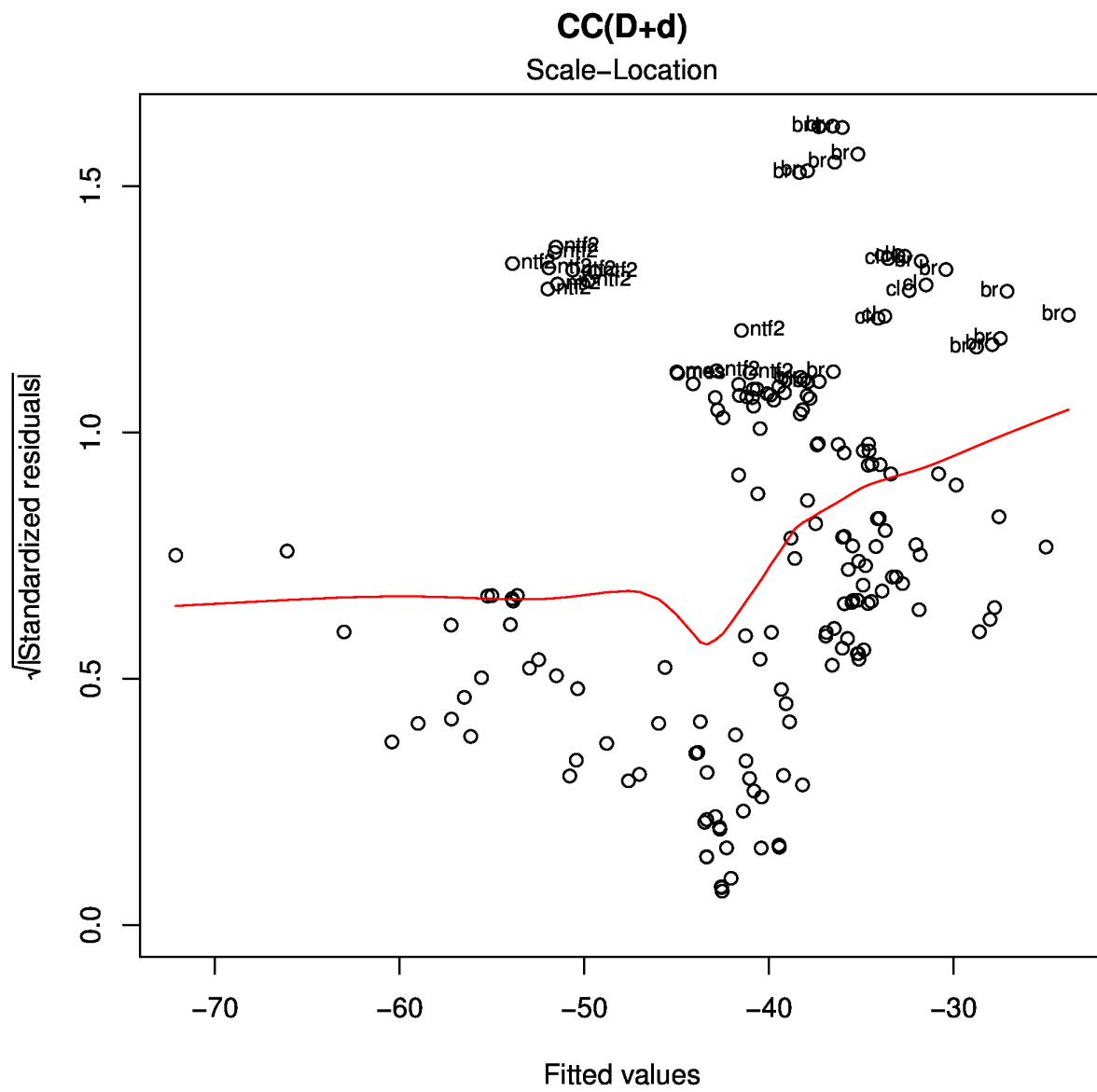


Figure S 55: Scale-Location plot

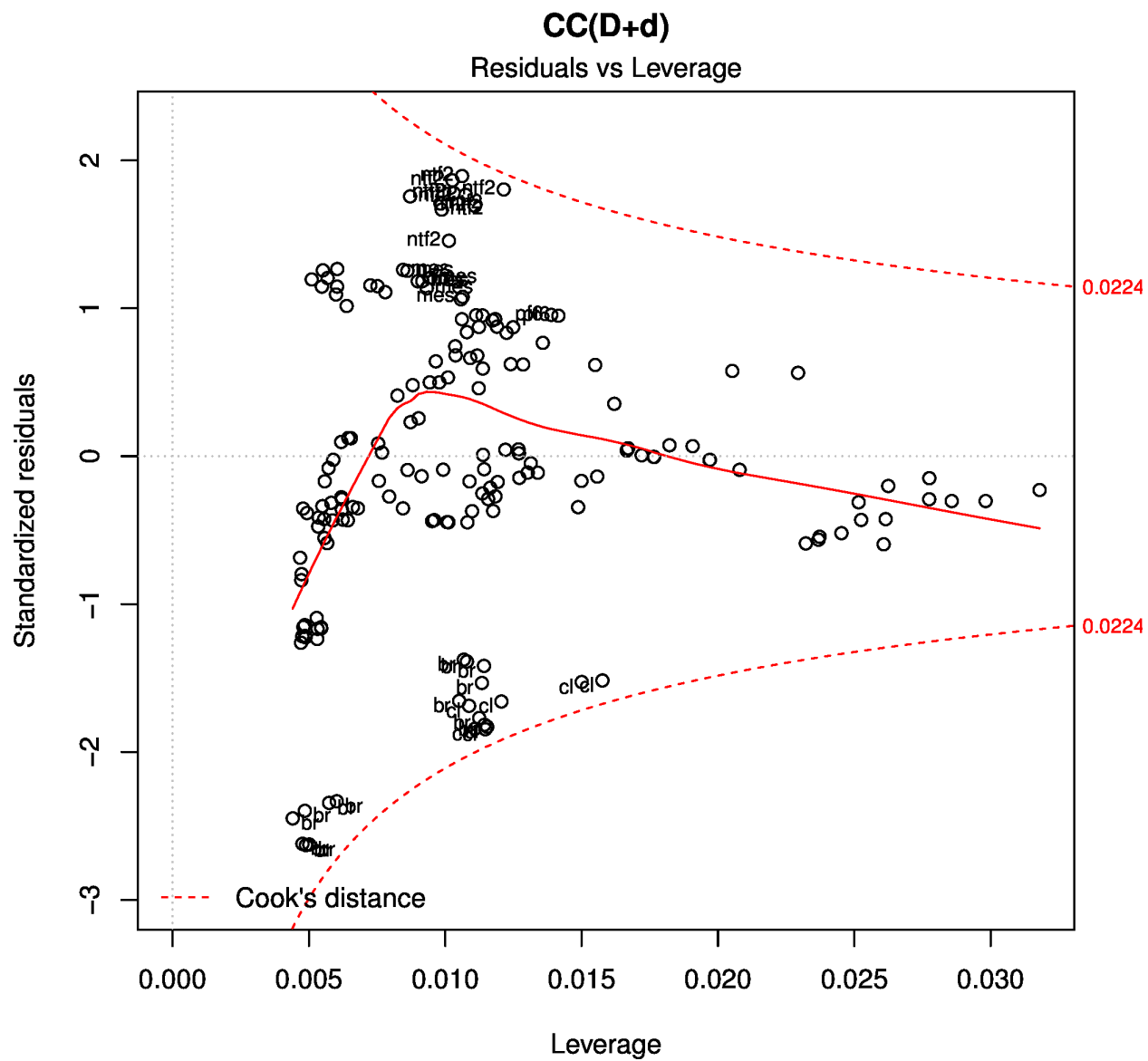


Figure S 56: Residuals vs Leverage plot

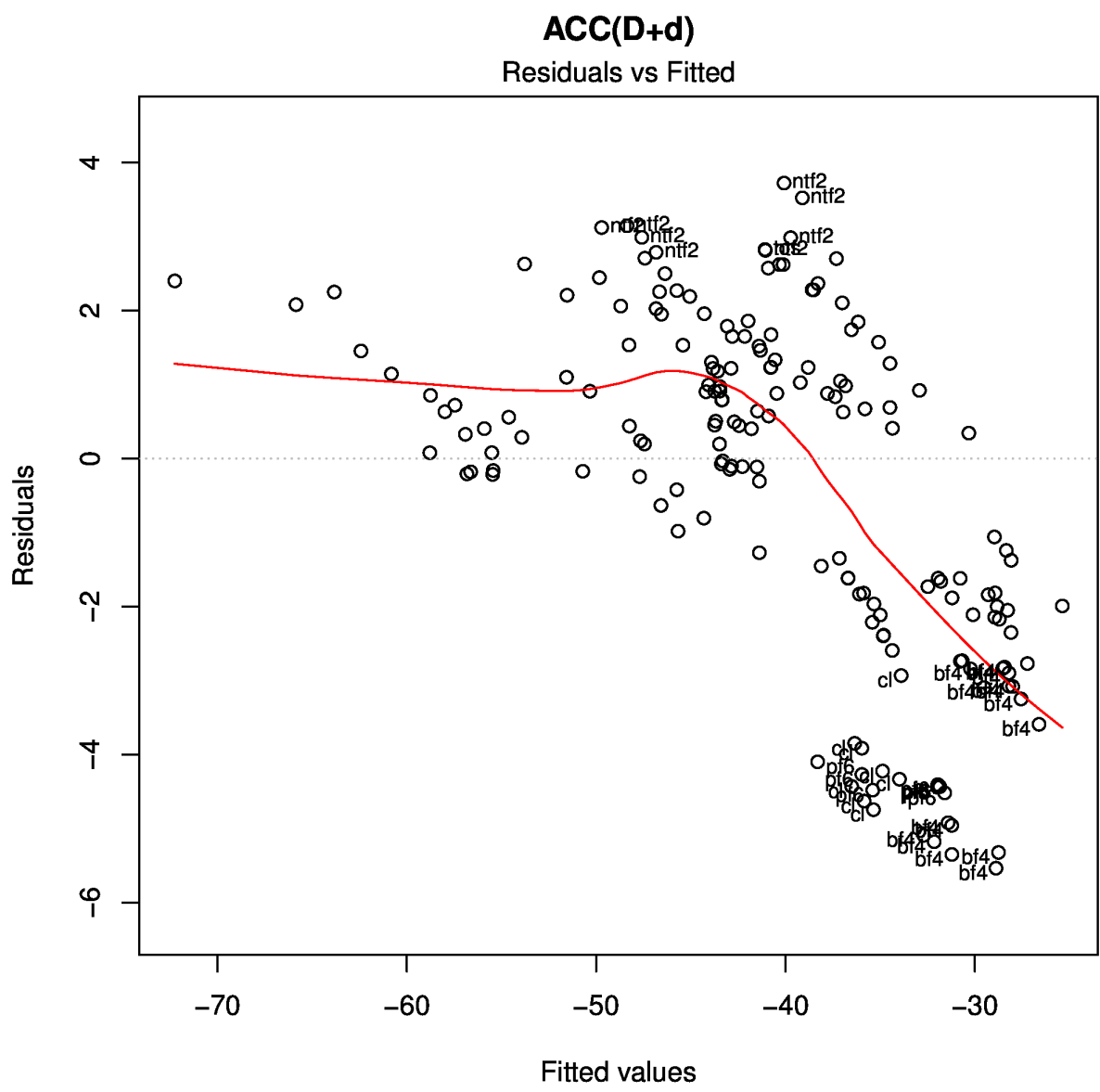


Figure S 57: Residuals vs Fitted values

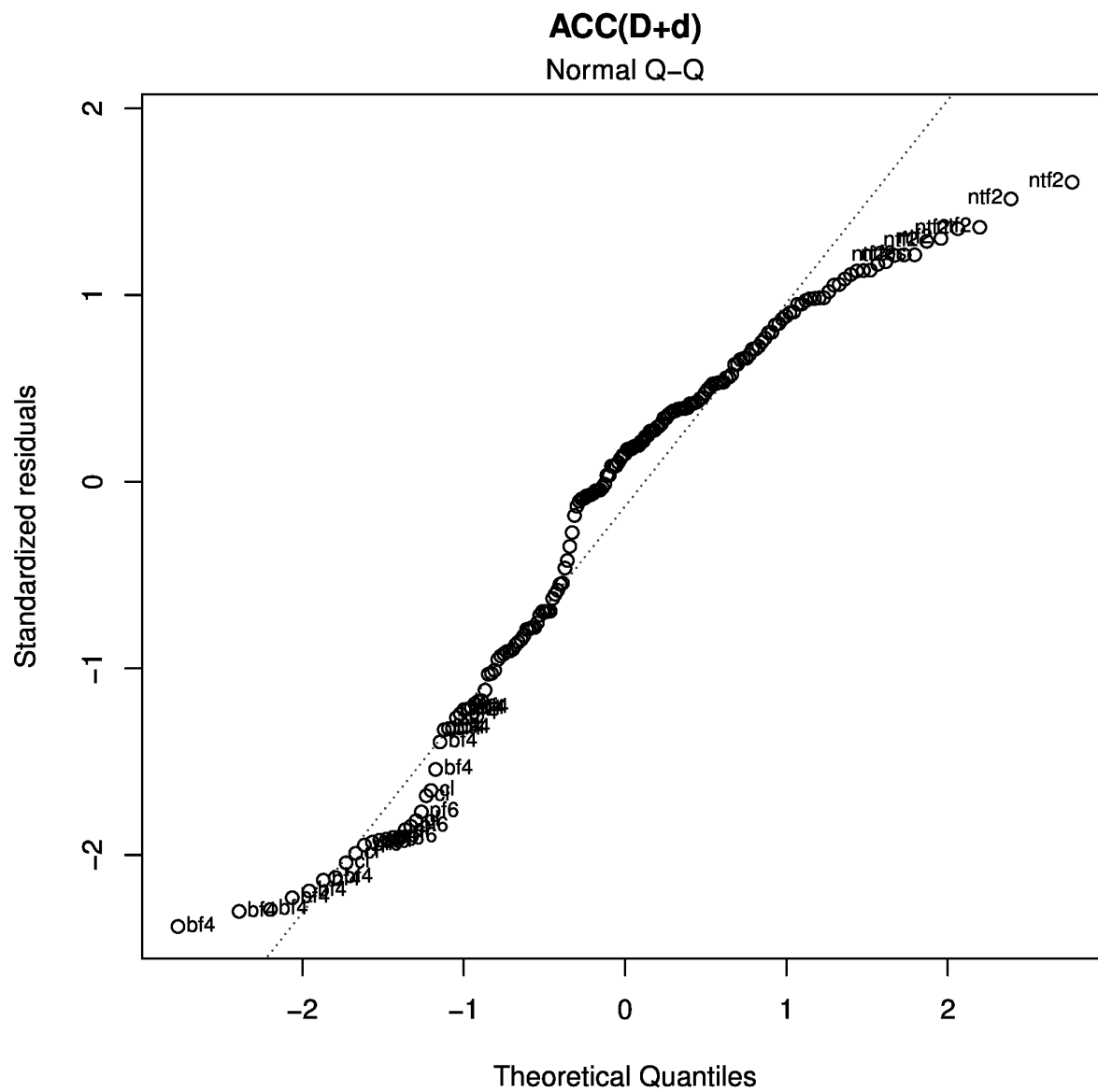


Figure S 58: Q-Q plot

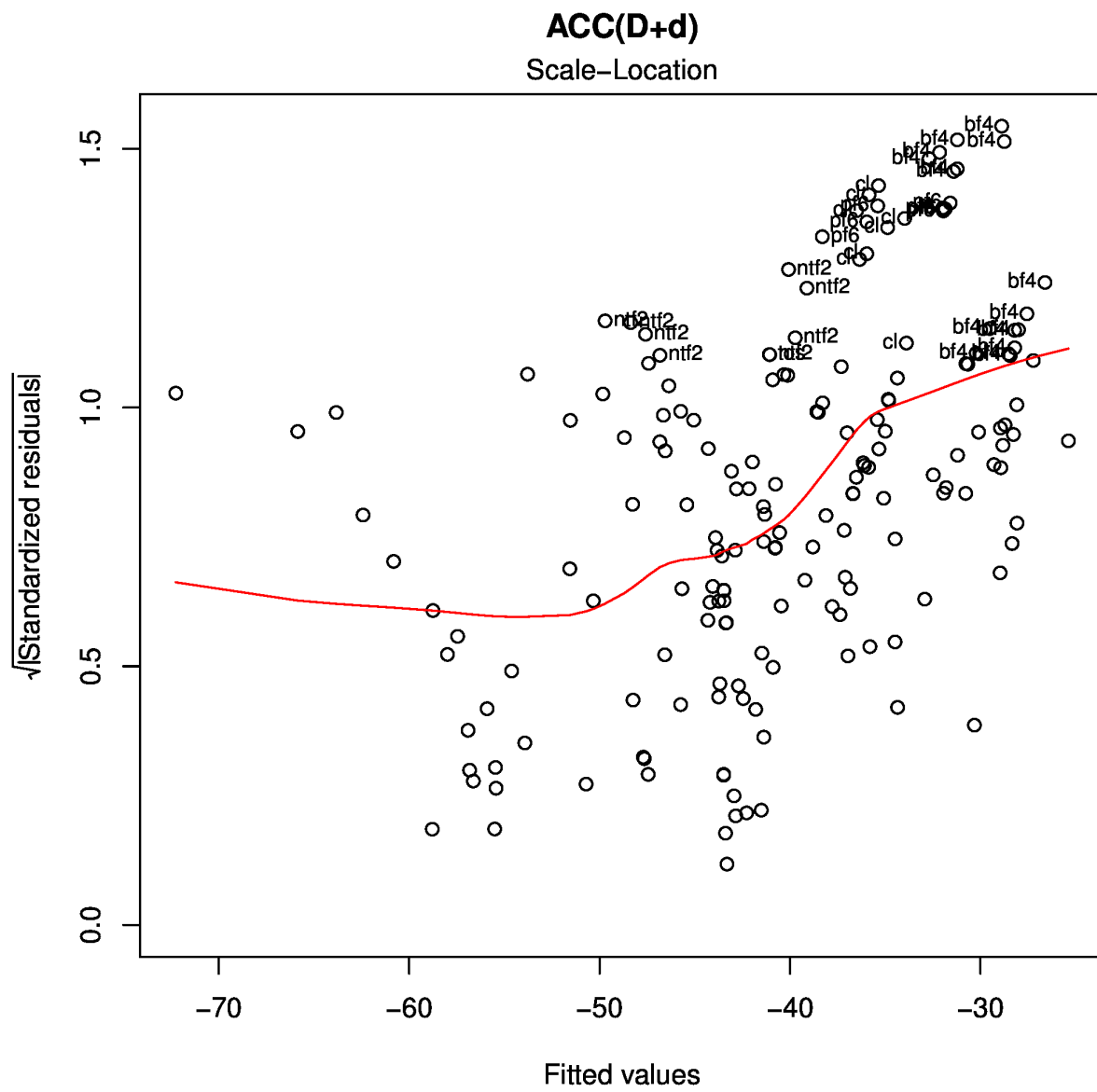


Figure S 59: Scale-Location plot

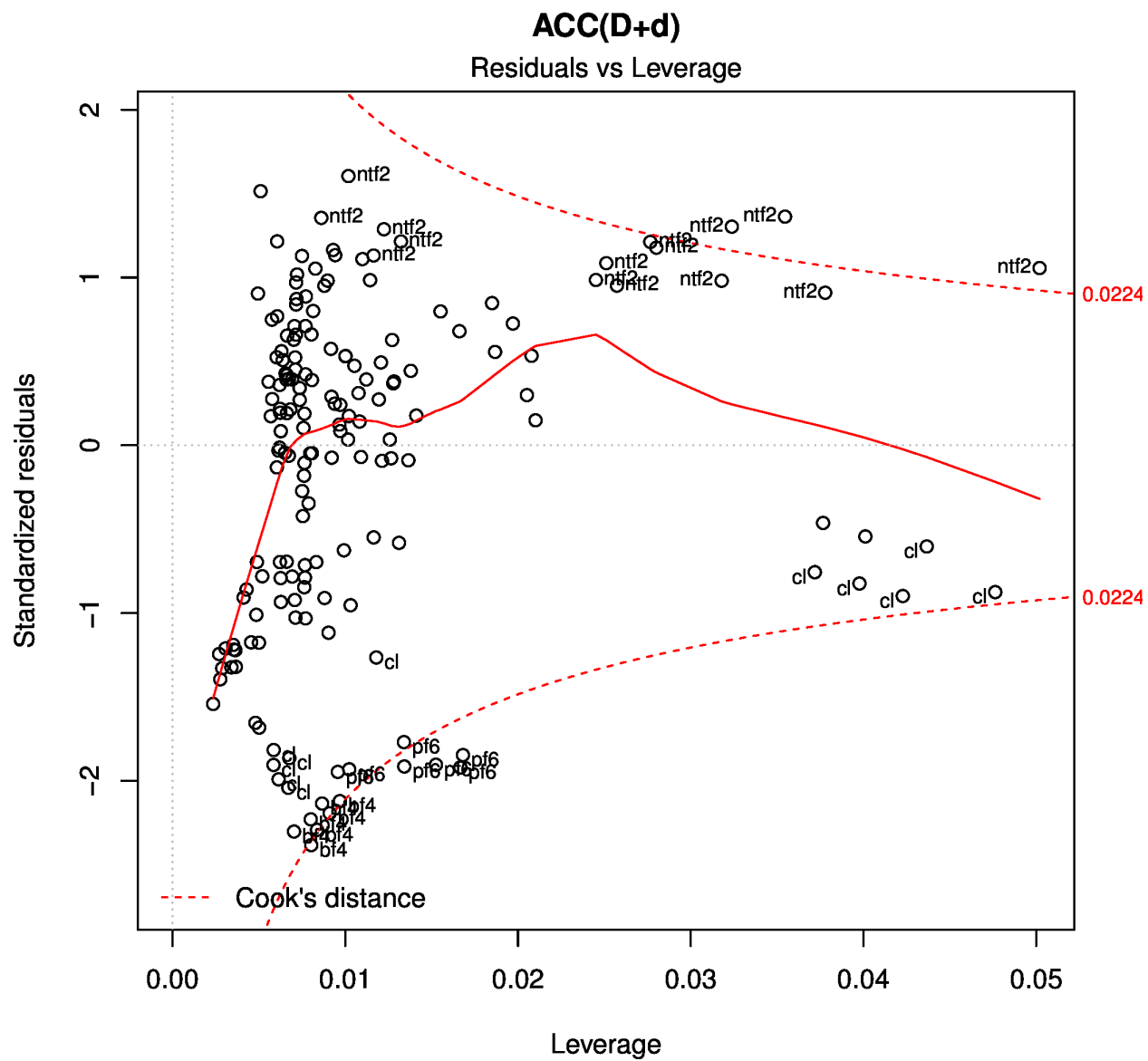


Figure S 60: Residuals vs Leverage plot

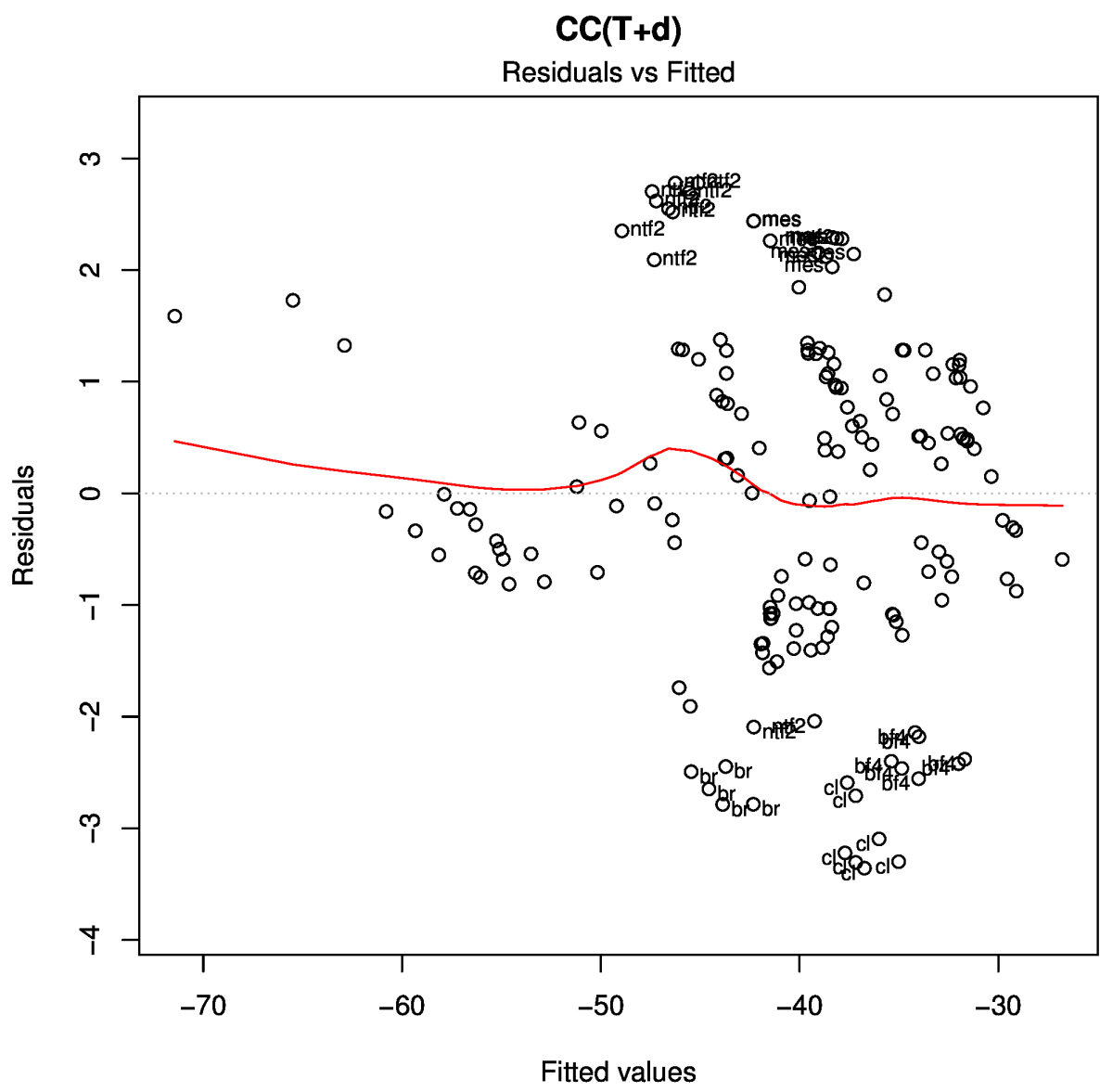


Figure S 61: Residuals vs Fitted values

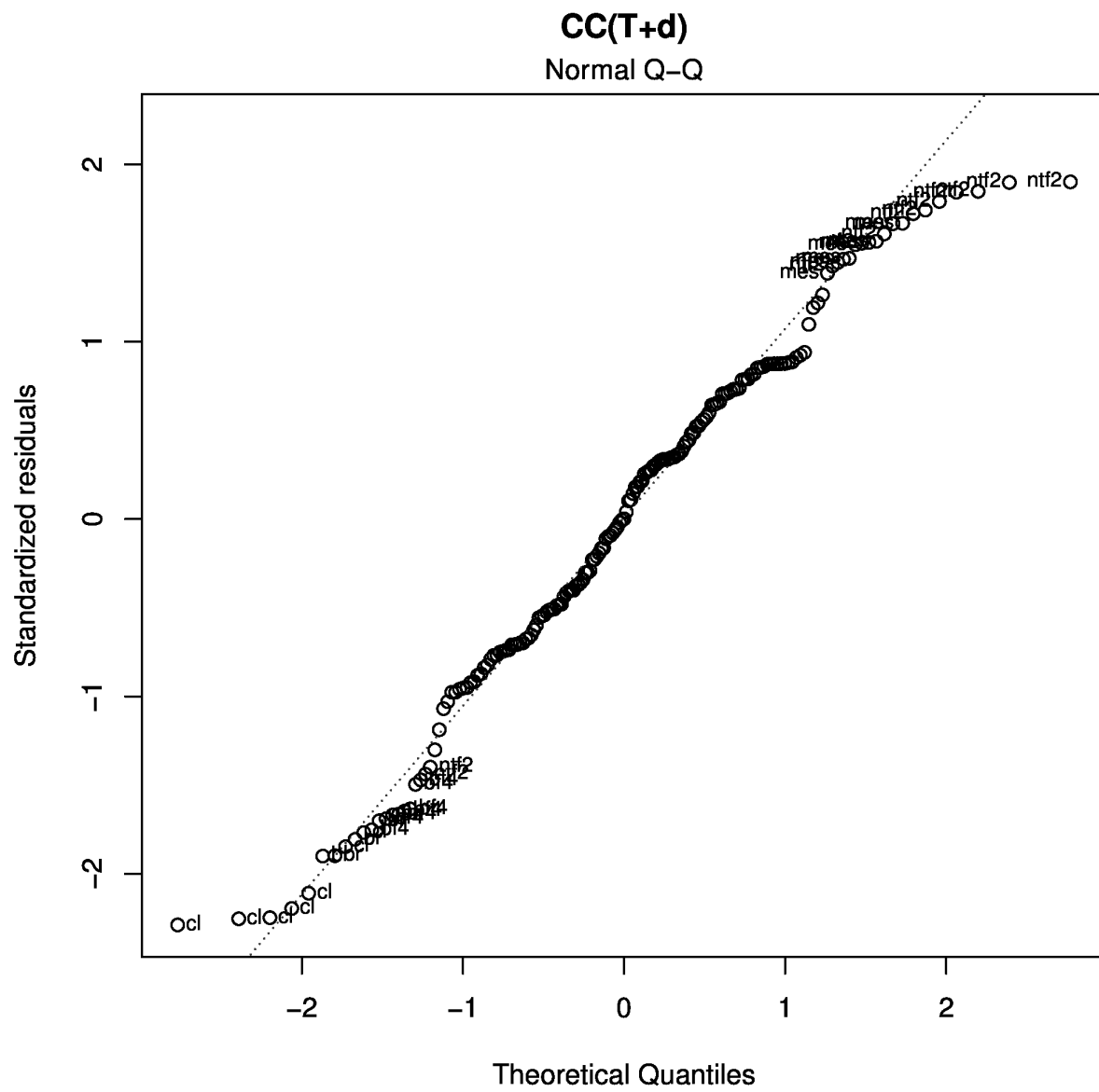


Figure S 62: Q-Q plot

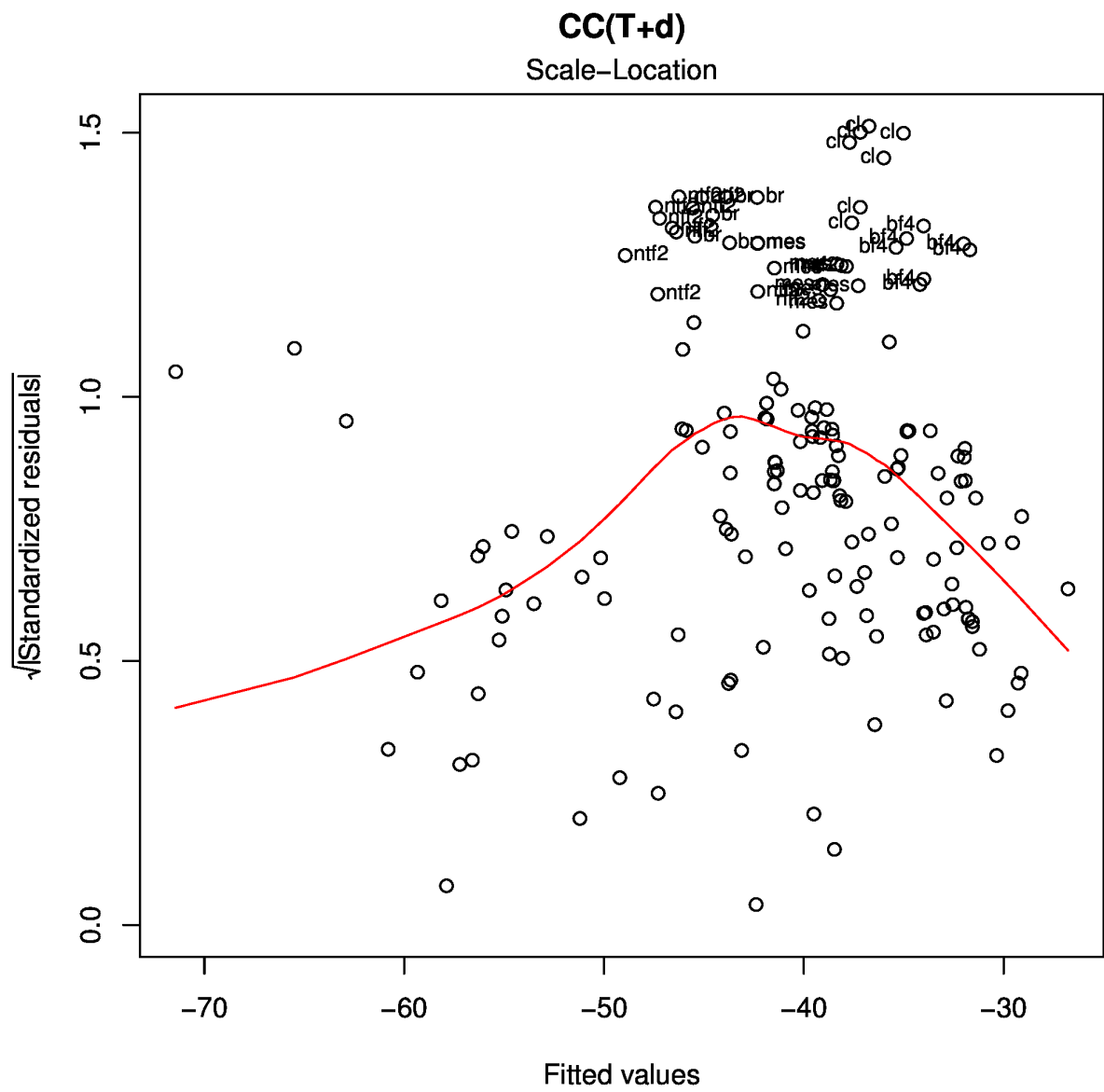


Figure S 63: Scale-Location plot

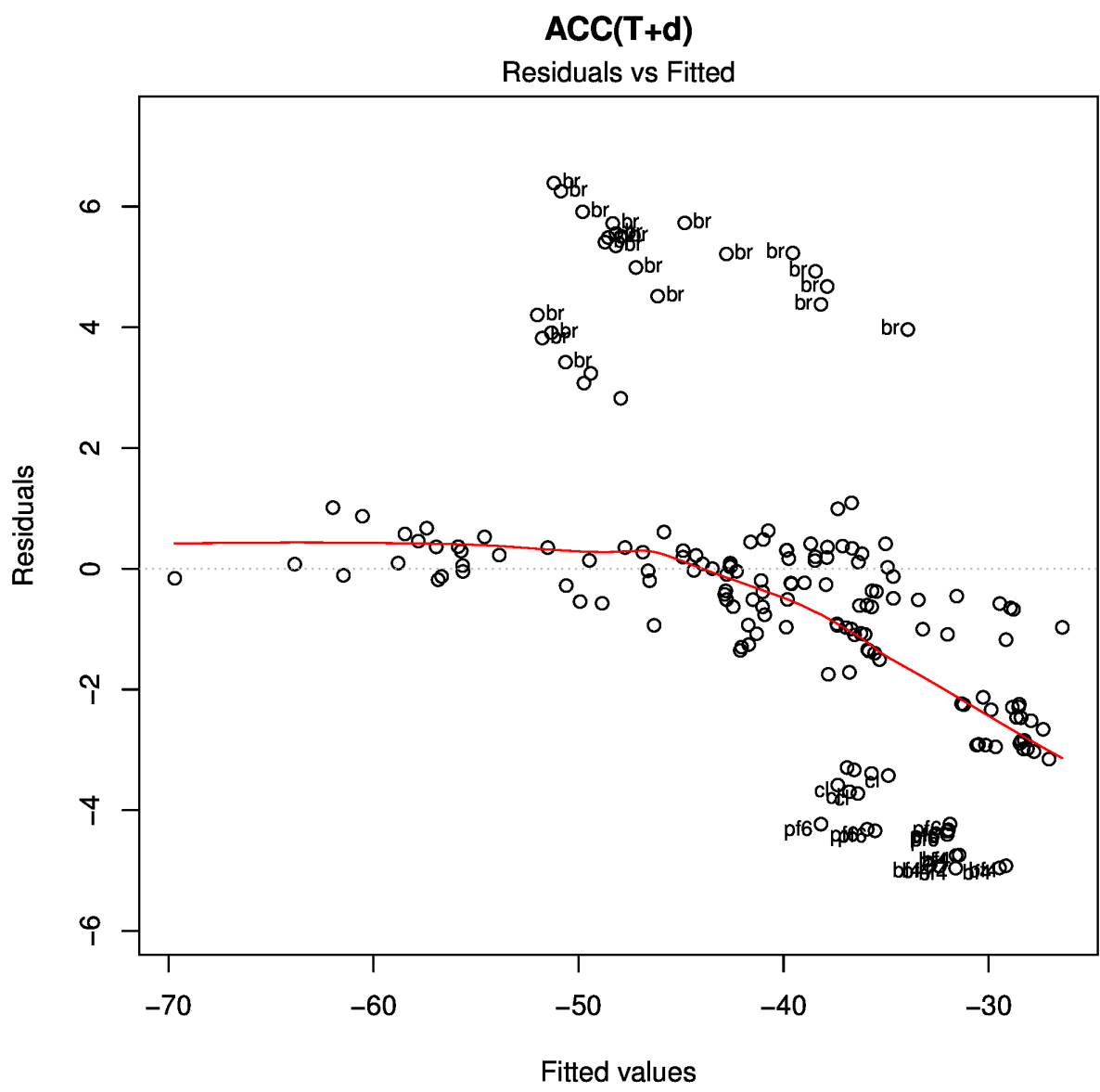


Figure S 65: Residuals vs Fitted values

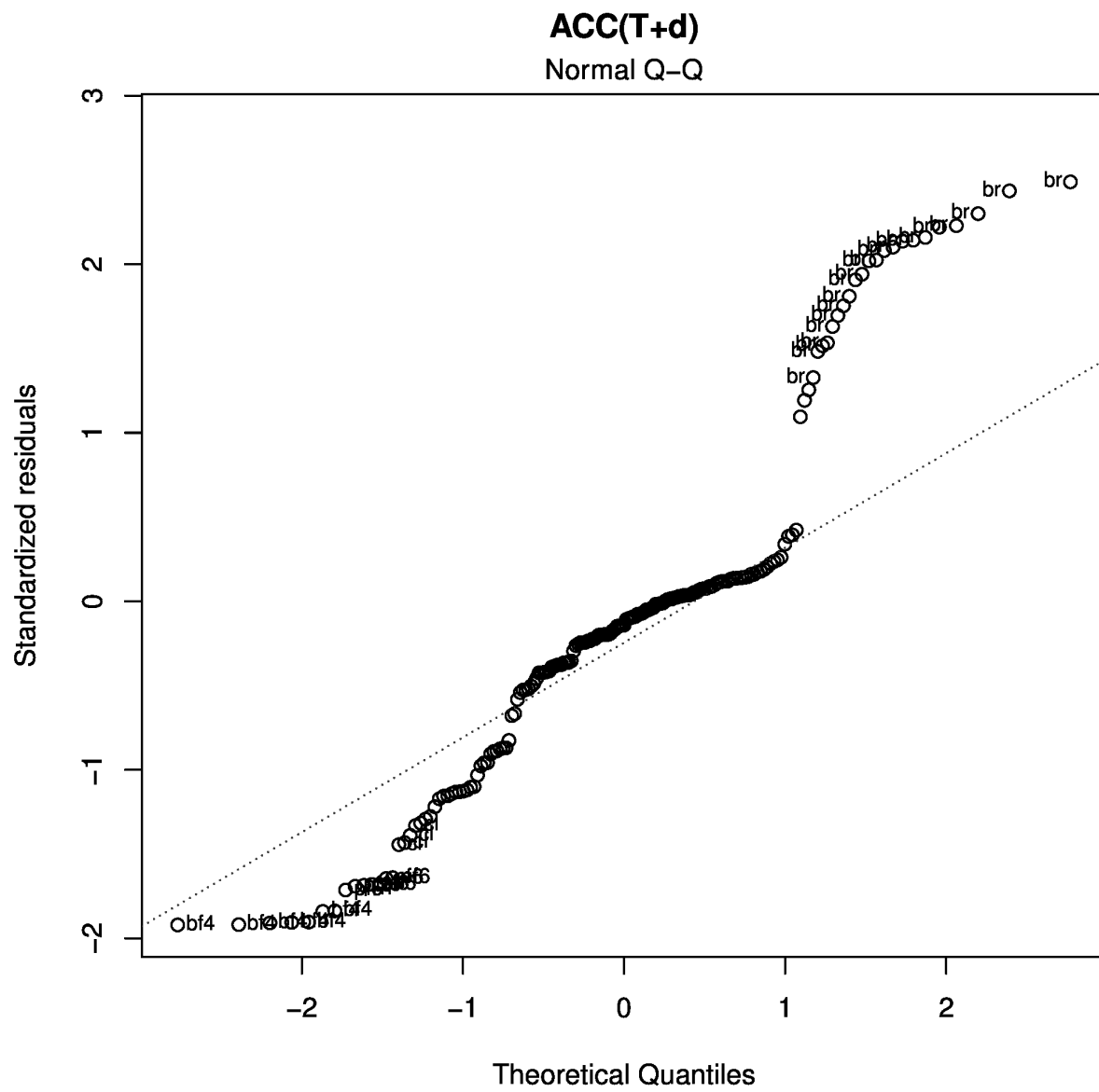


Figure S 66: Q-Q plot

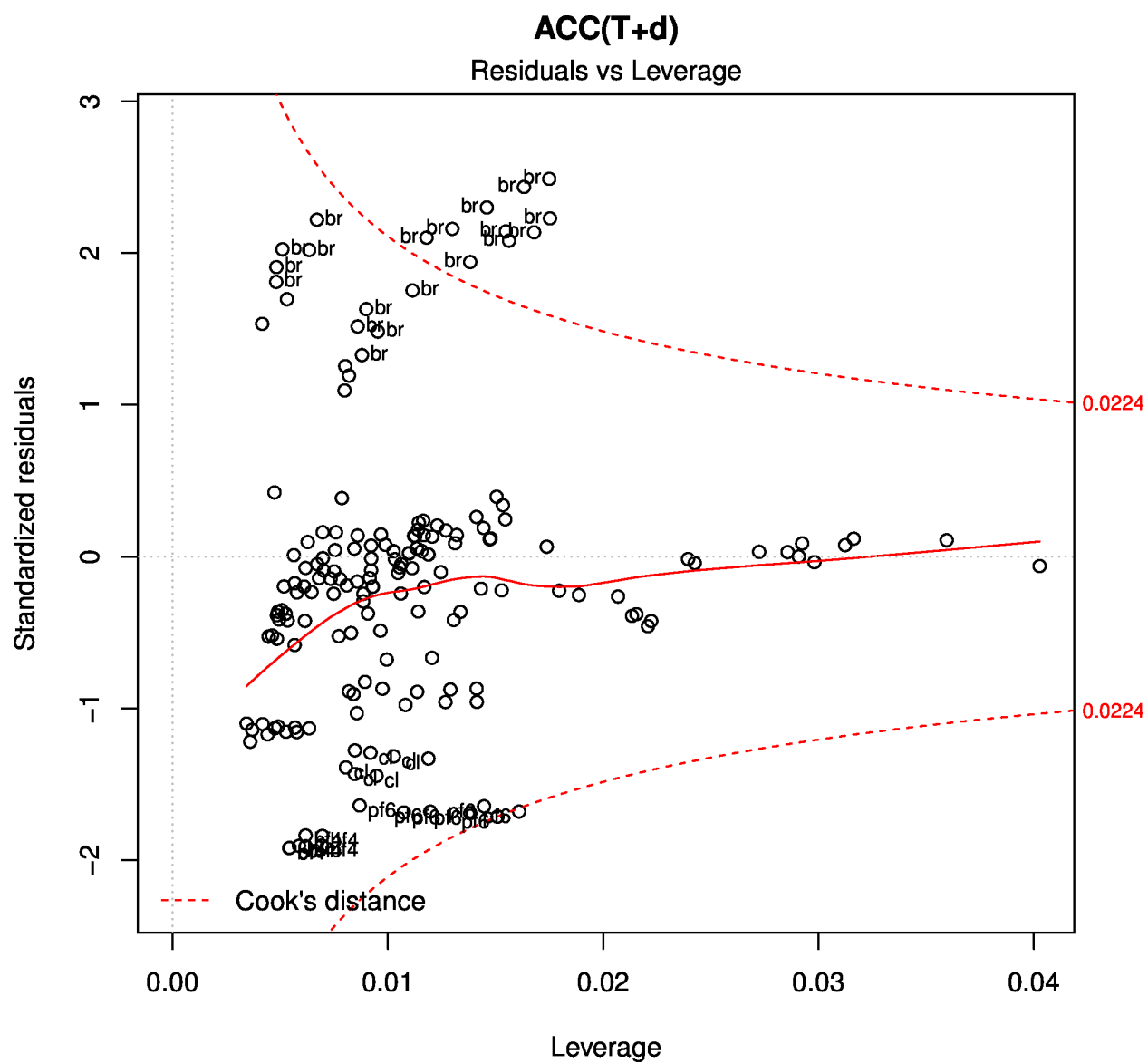


Figure S 68: Residuals vs Leverage plot

3.1.18 CBS(aug) basis set

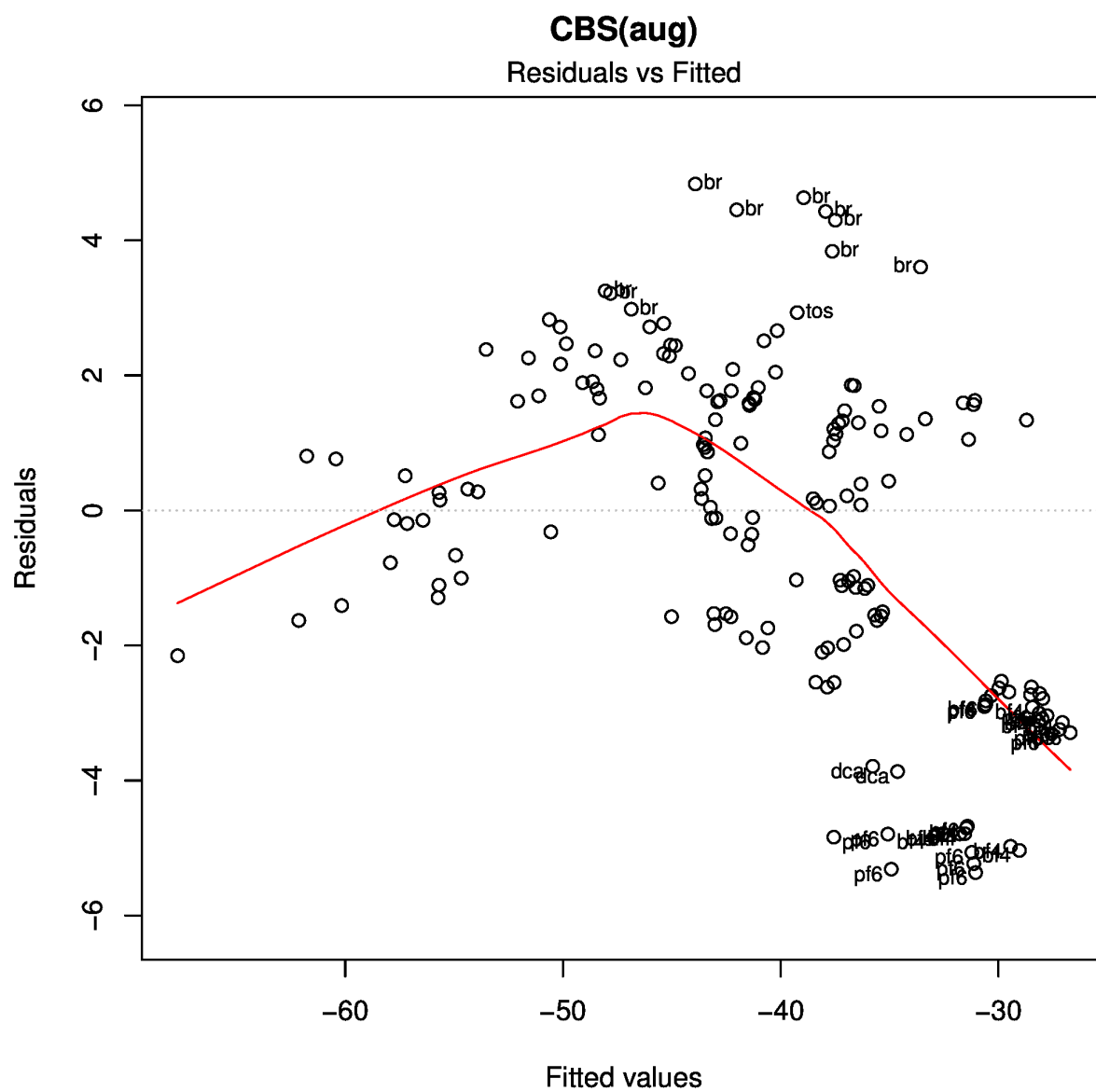


Figure S 69: Residuals vs Fitted values

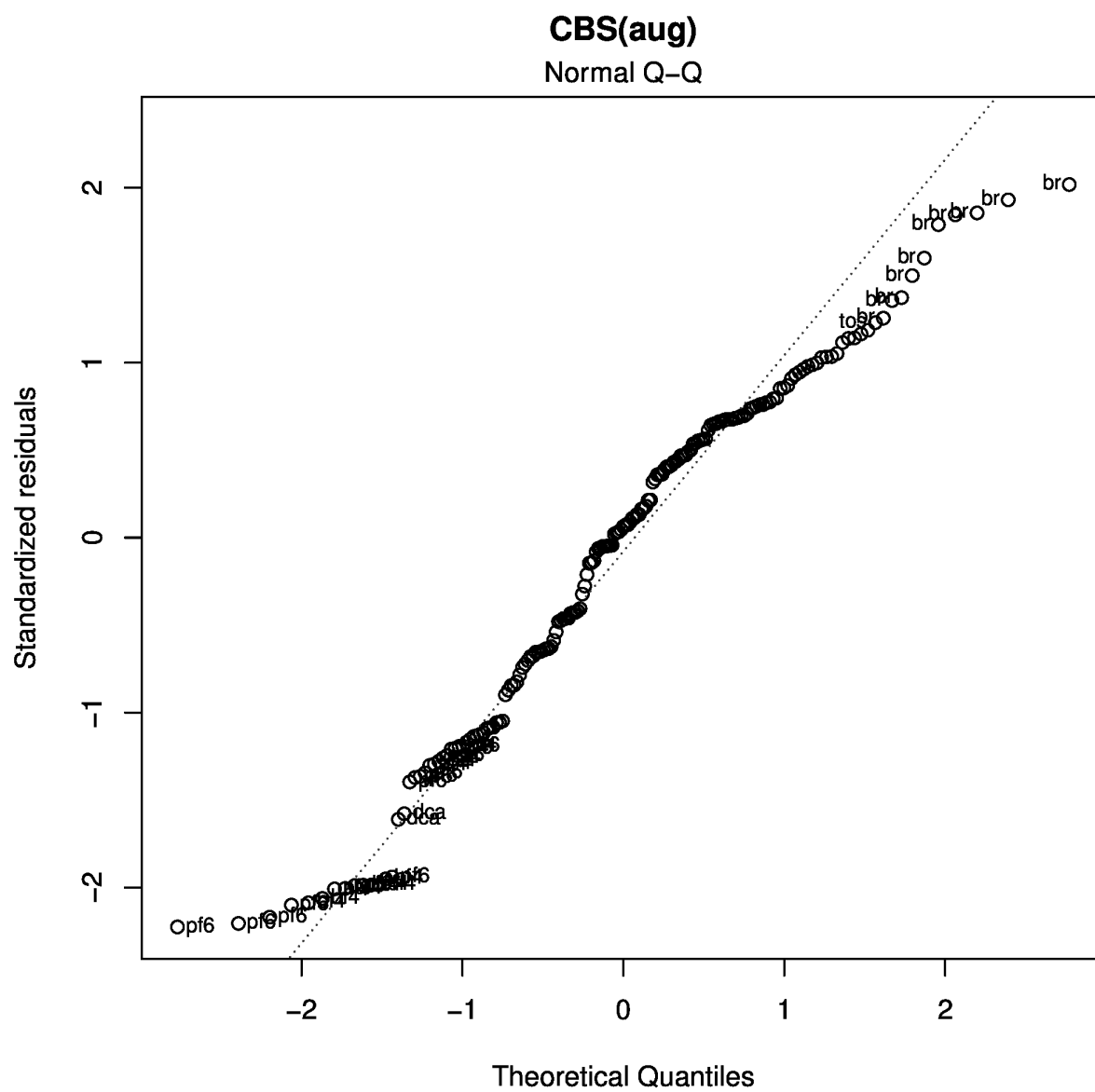


Figure S 70: Q-Q plot

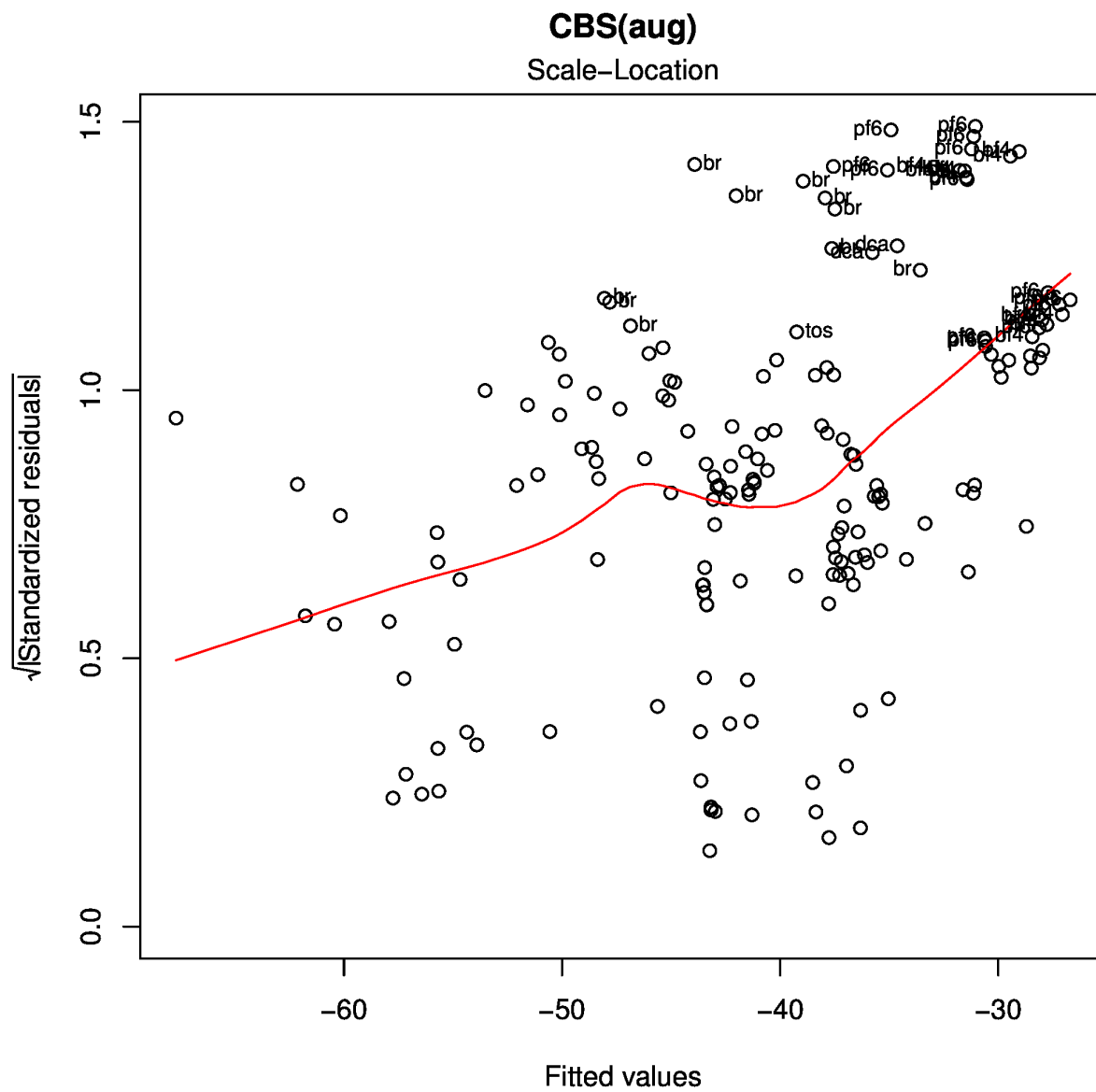


Figure S 71: Scale-Location plot

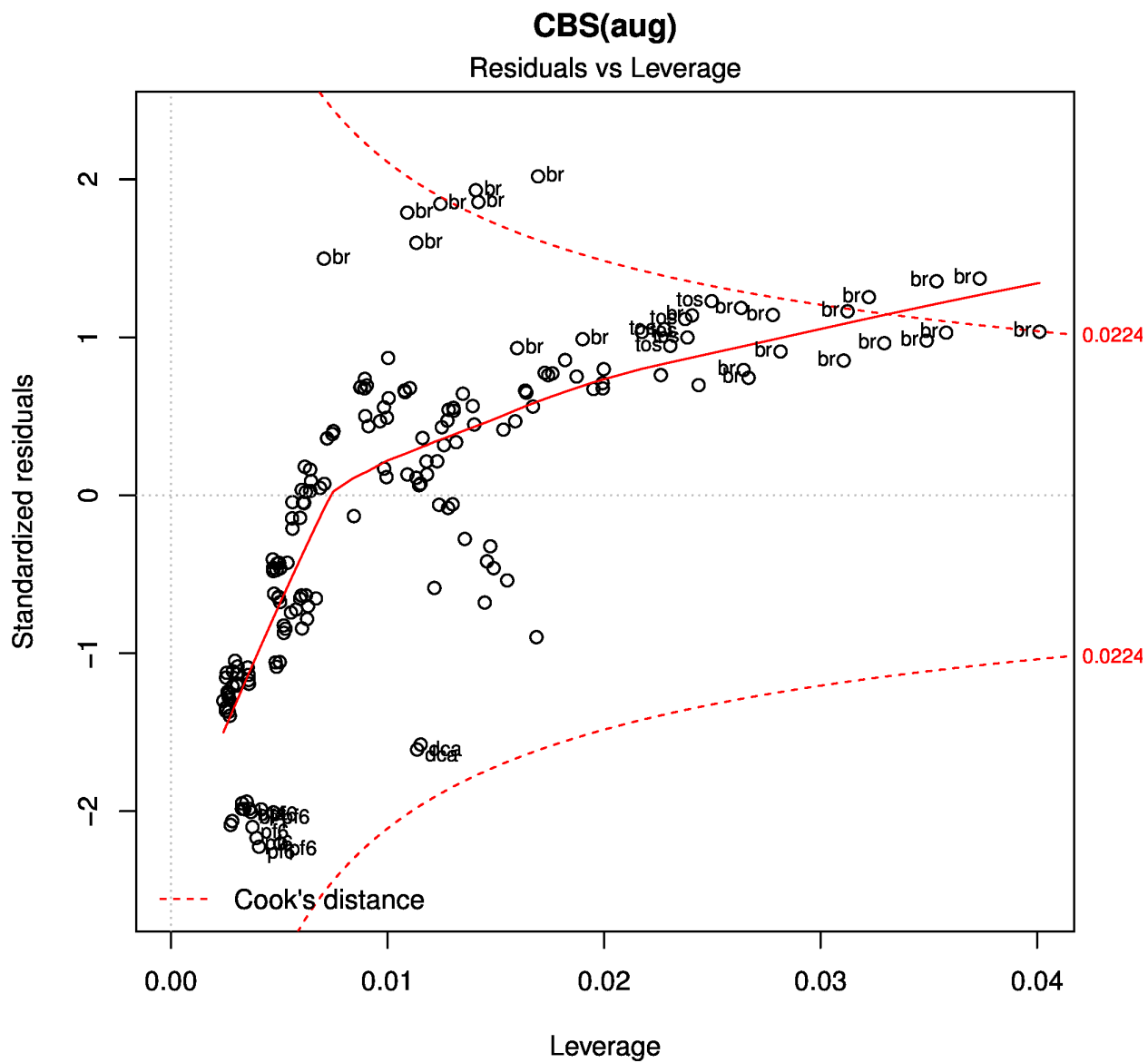


Figure S 72: Residuals vs Leverage plot

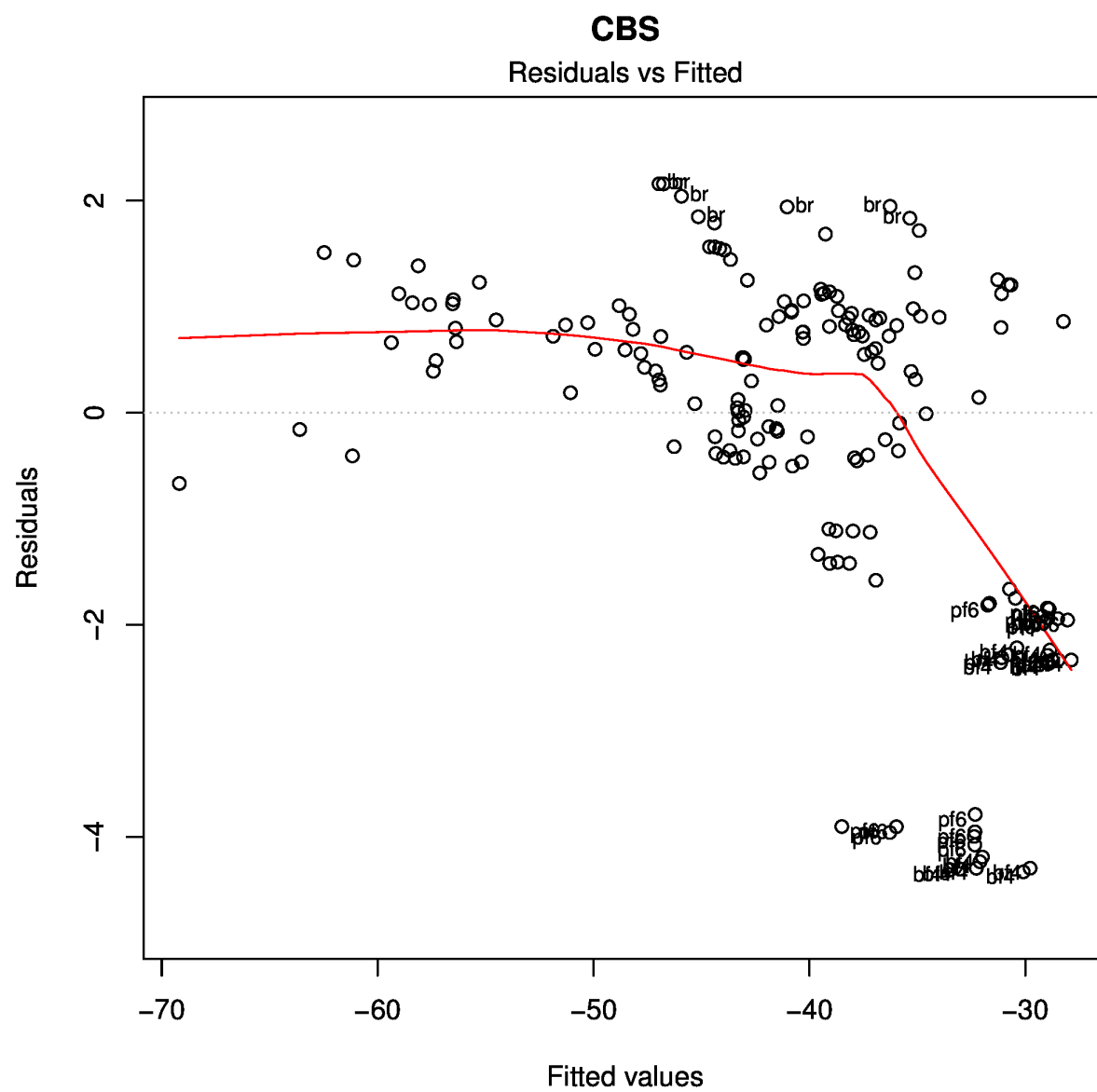


Figure S 73: Residuals vs Fitted values

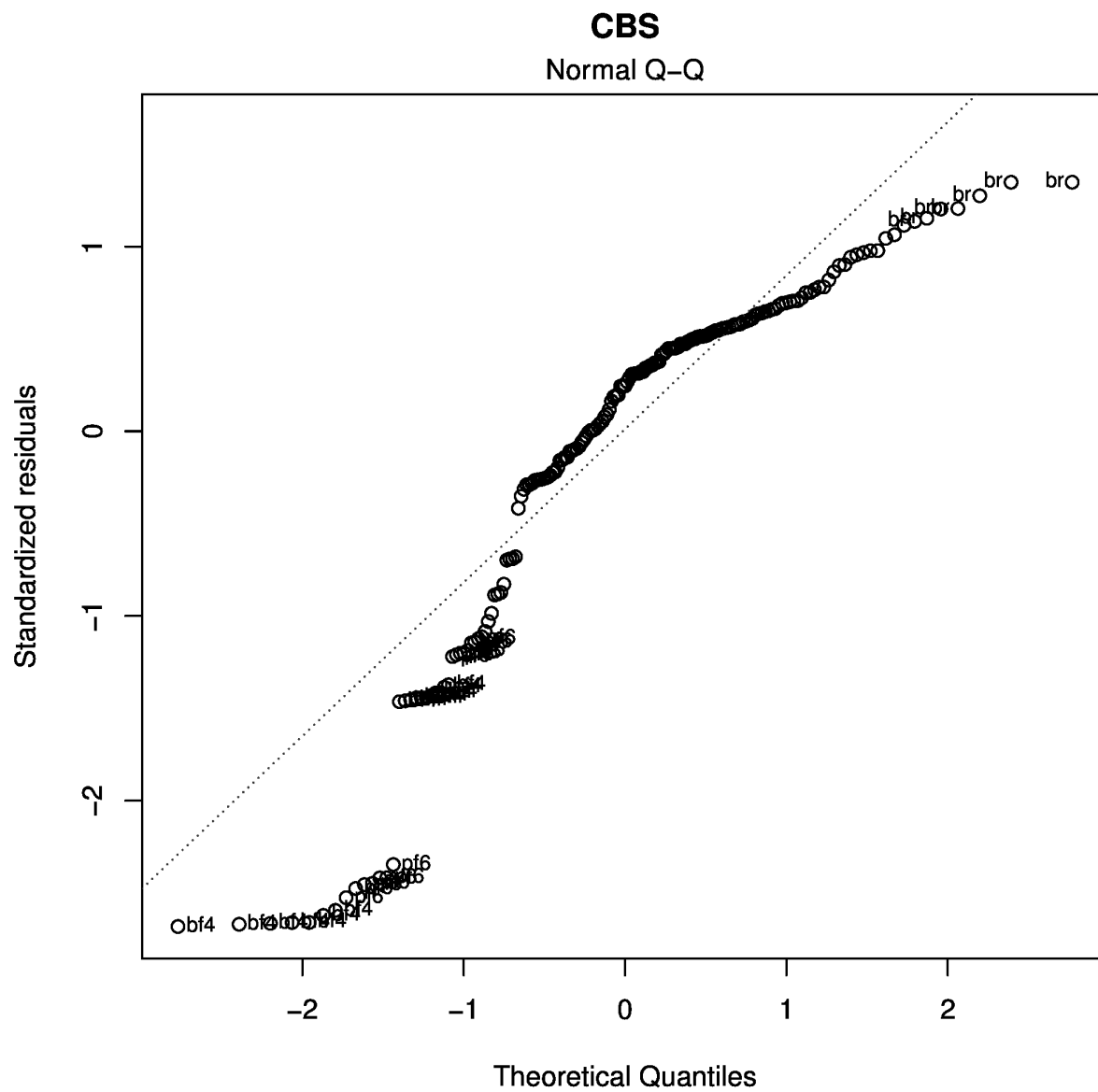


Figure S 74: Q-Q plot

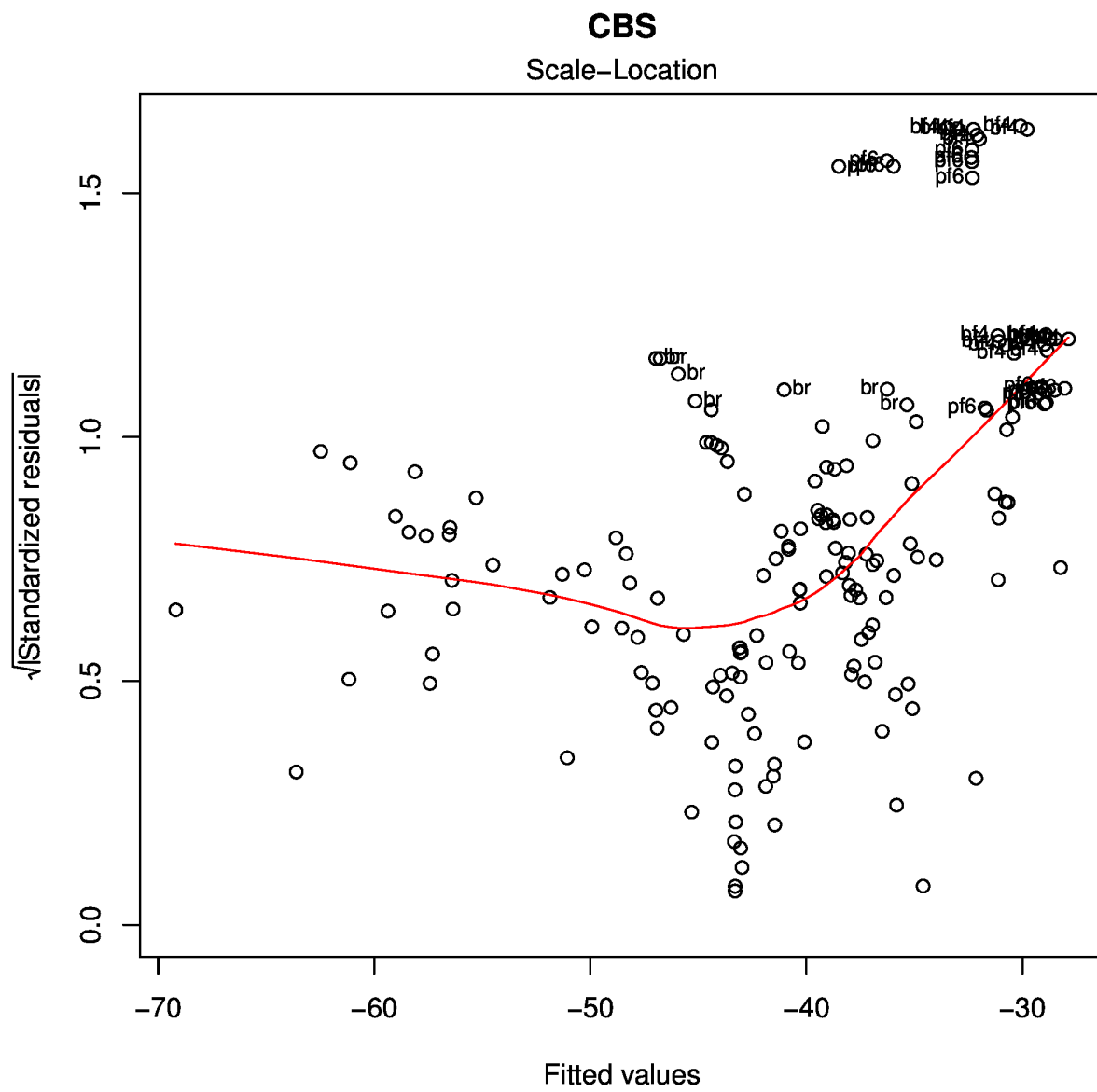


Figure S 75: Scale-Location plot

3.2 SOS-MP2 regression

3.2.1 KSV(P) basis set

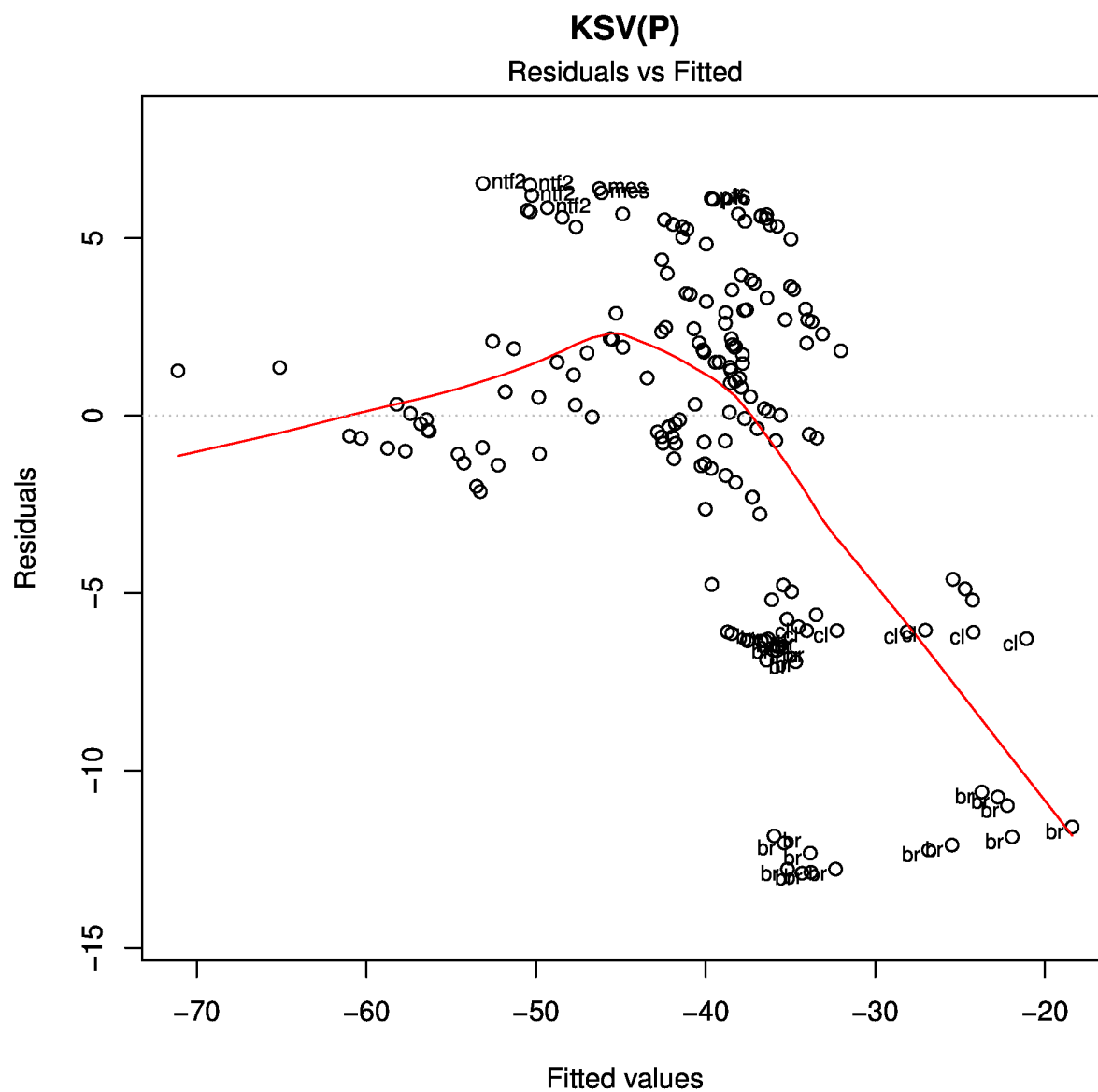


Figure S 77: Residuals vs Fitted values

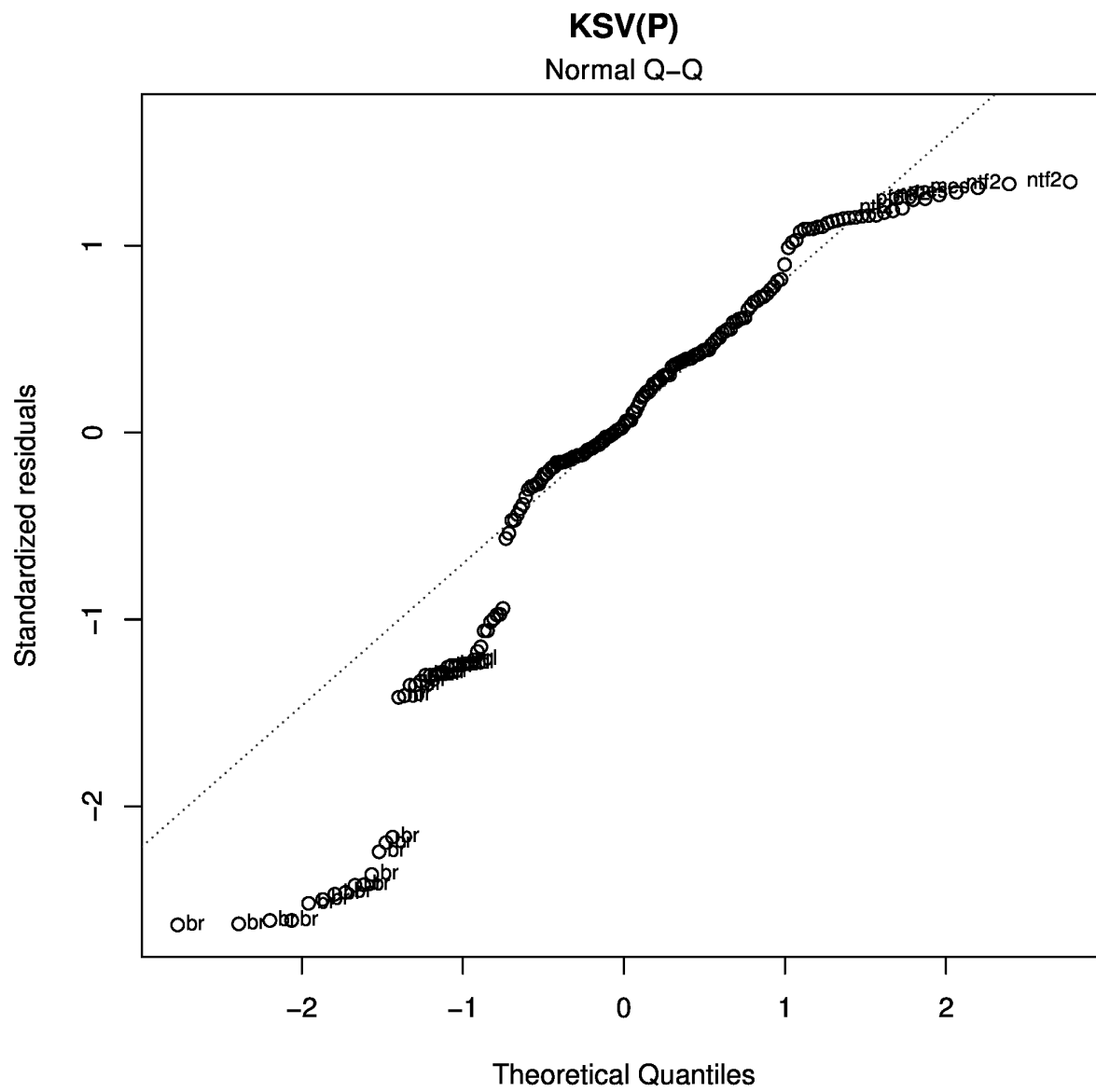


Figure S 78: Q-Q plot

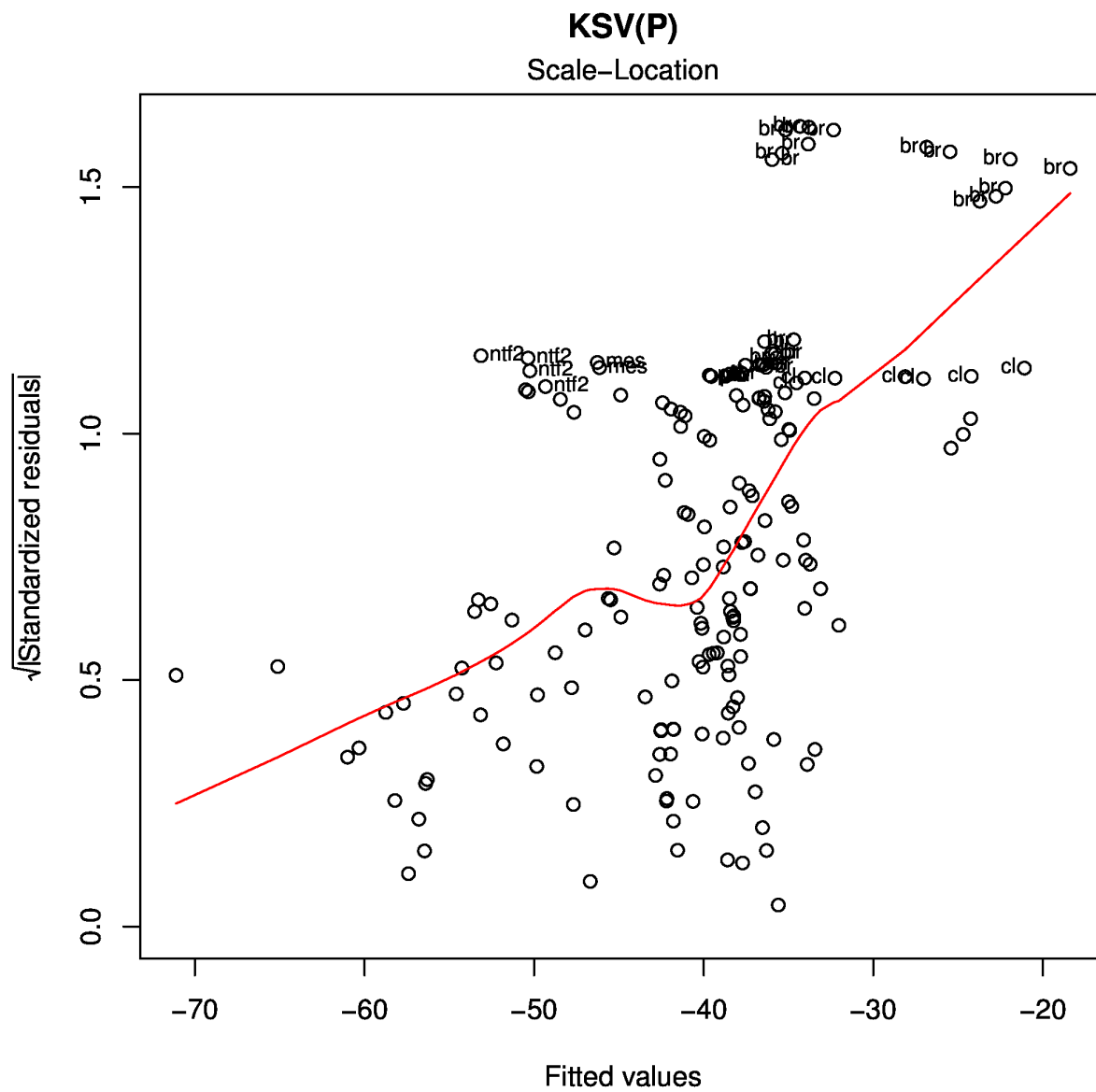


Figure S 79: Scale-Location plot

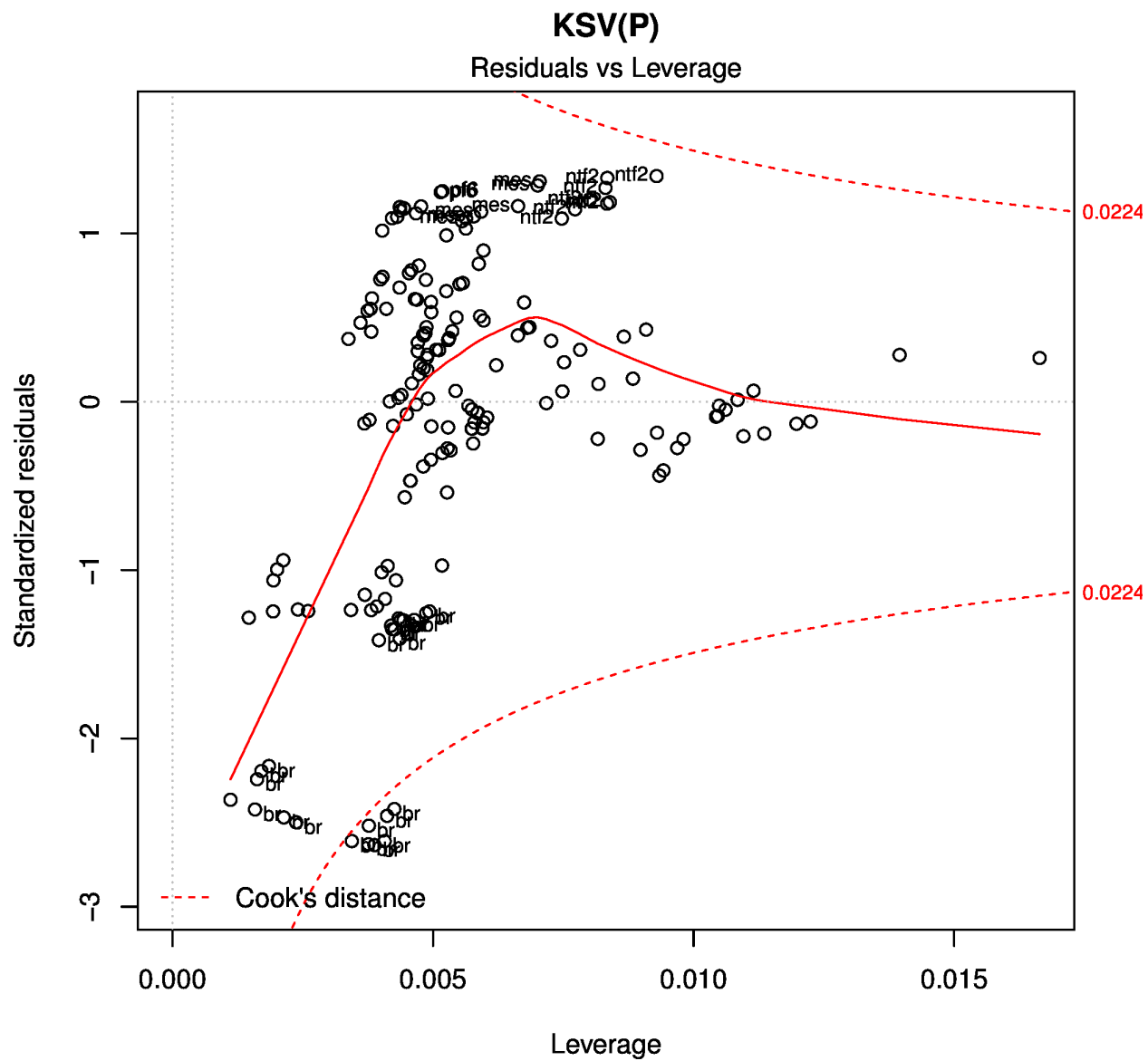


Figure S 80: Residuals vs Leverage plot

3.2.2 KSVP basis set

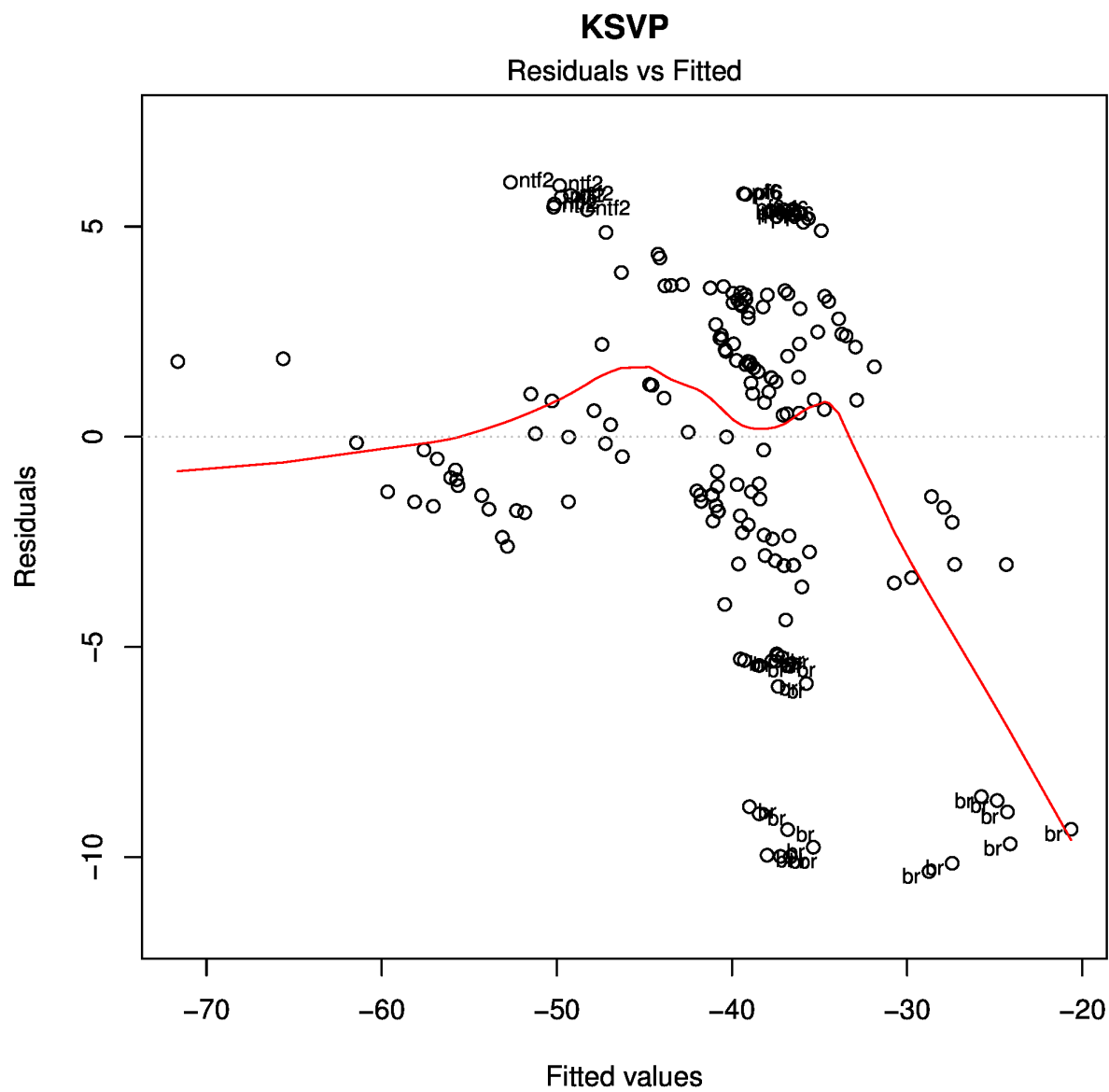


Figure S 81: Residuals vs Fitted values

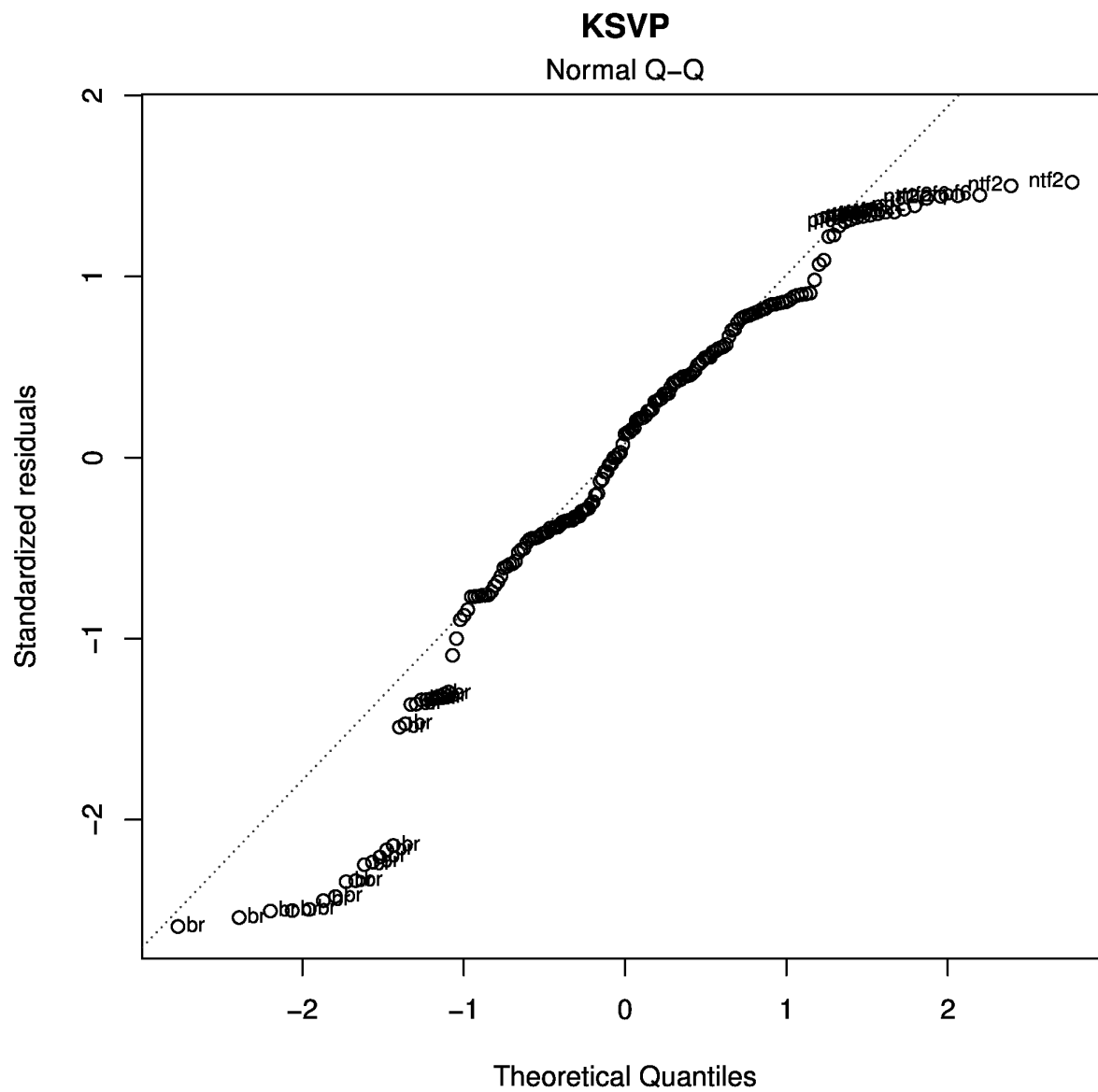


Figure S 82: Q-Q plot

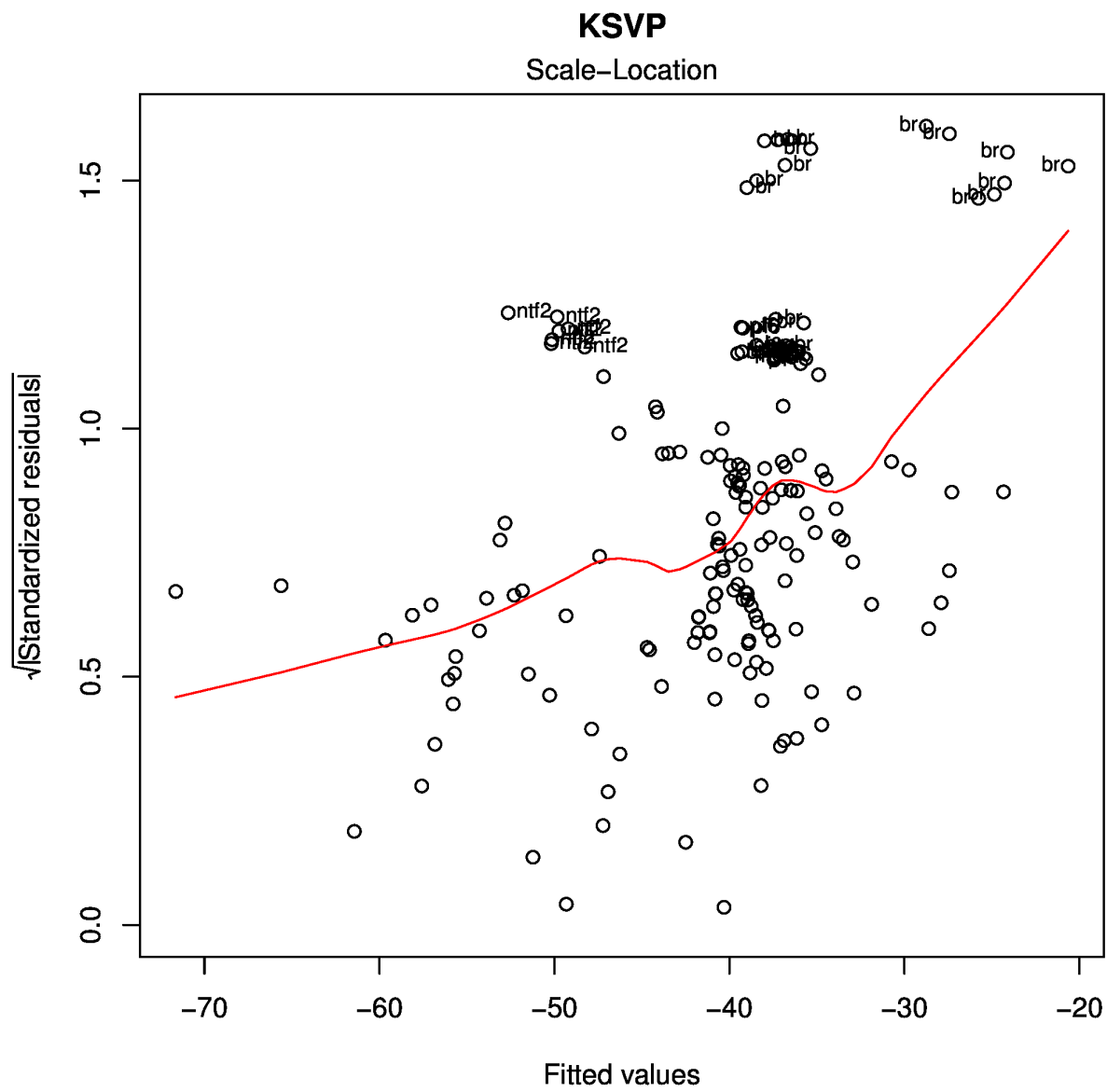


Figure S 83: Scale-Location plot

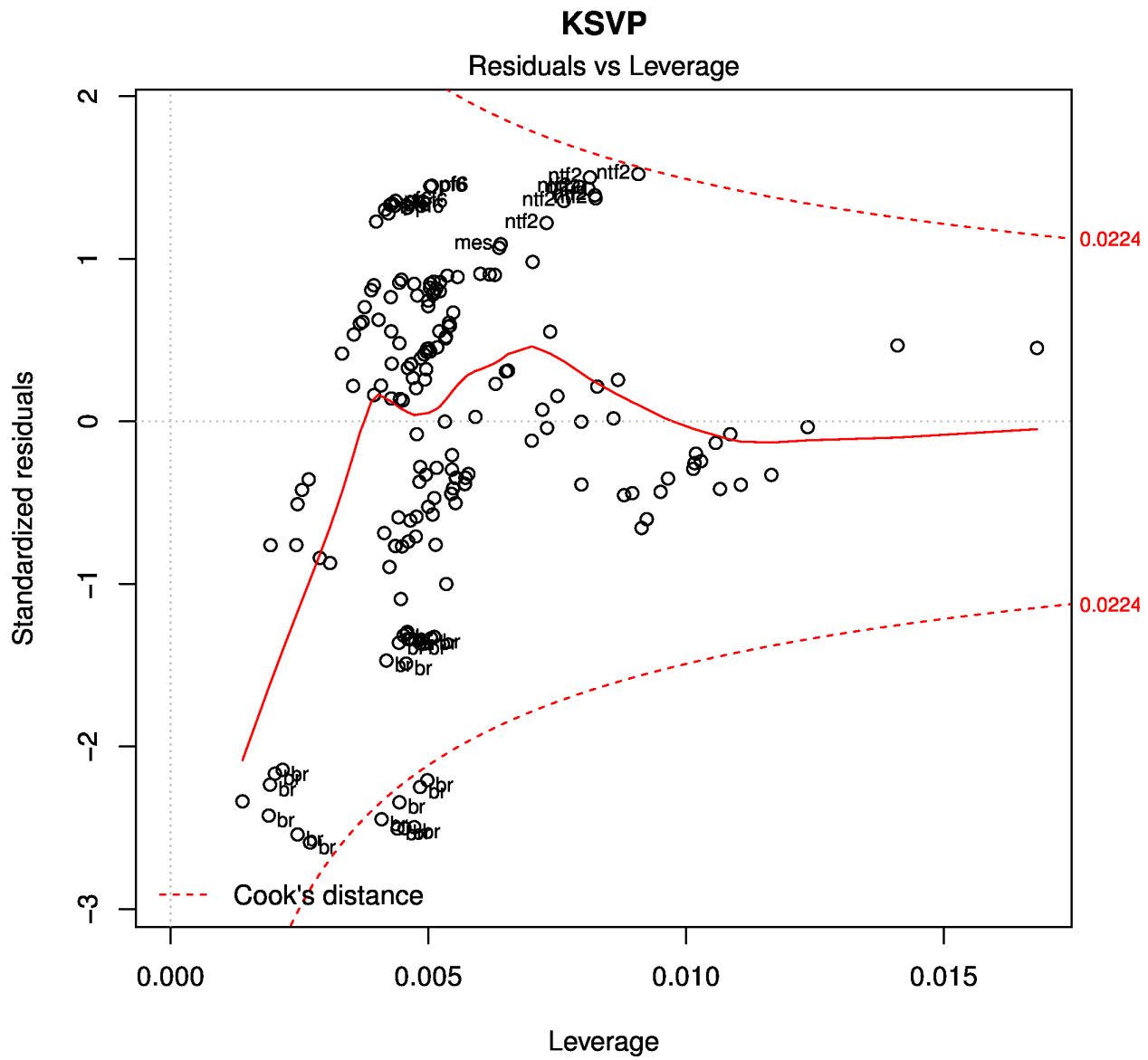


Figure S 84: Residuals vs Leverage plot

3.2.3 KTZVP basis set

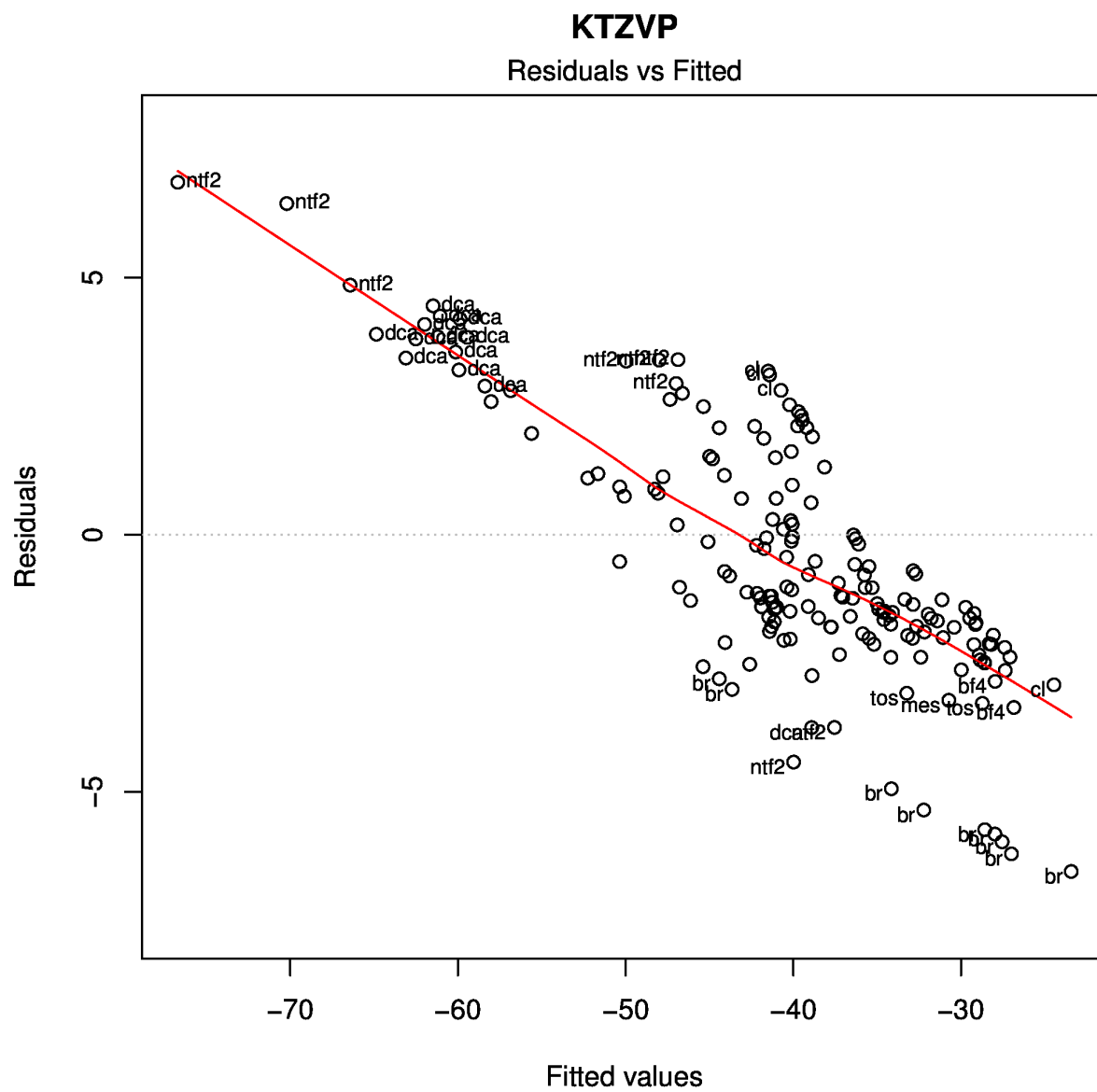


Figure S 85: Residuals vs Fitted values

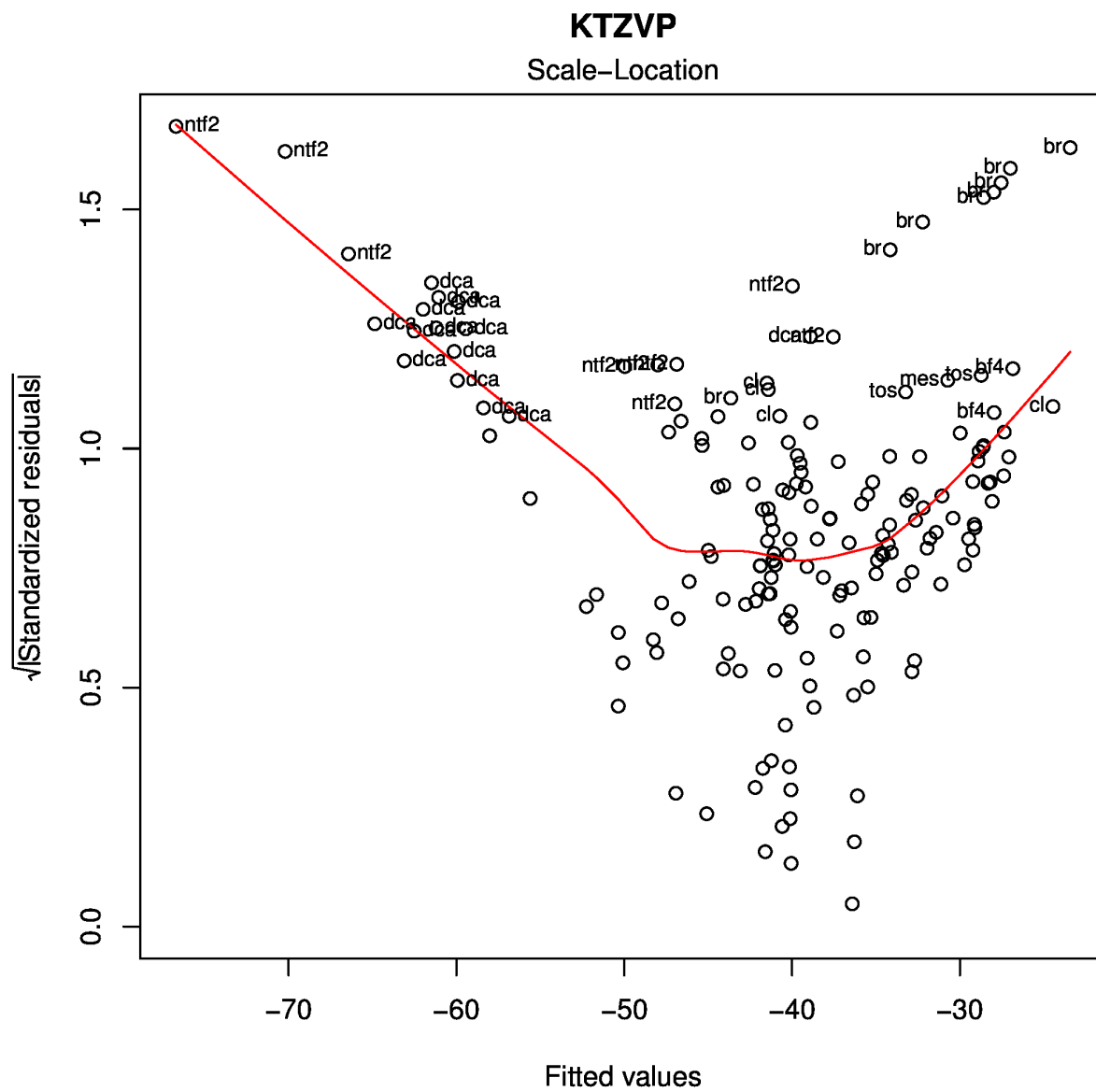


Figure S 87: Scale-Location plot

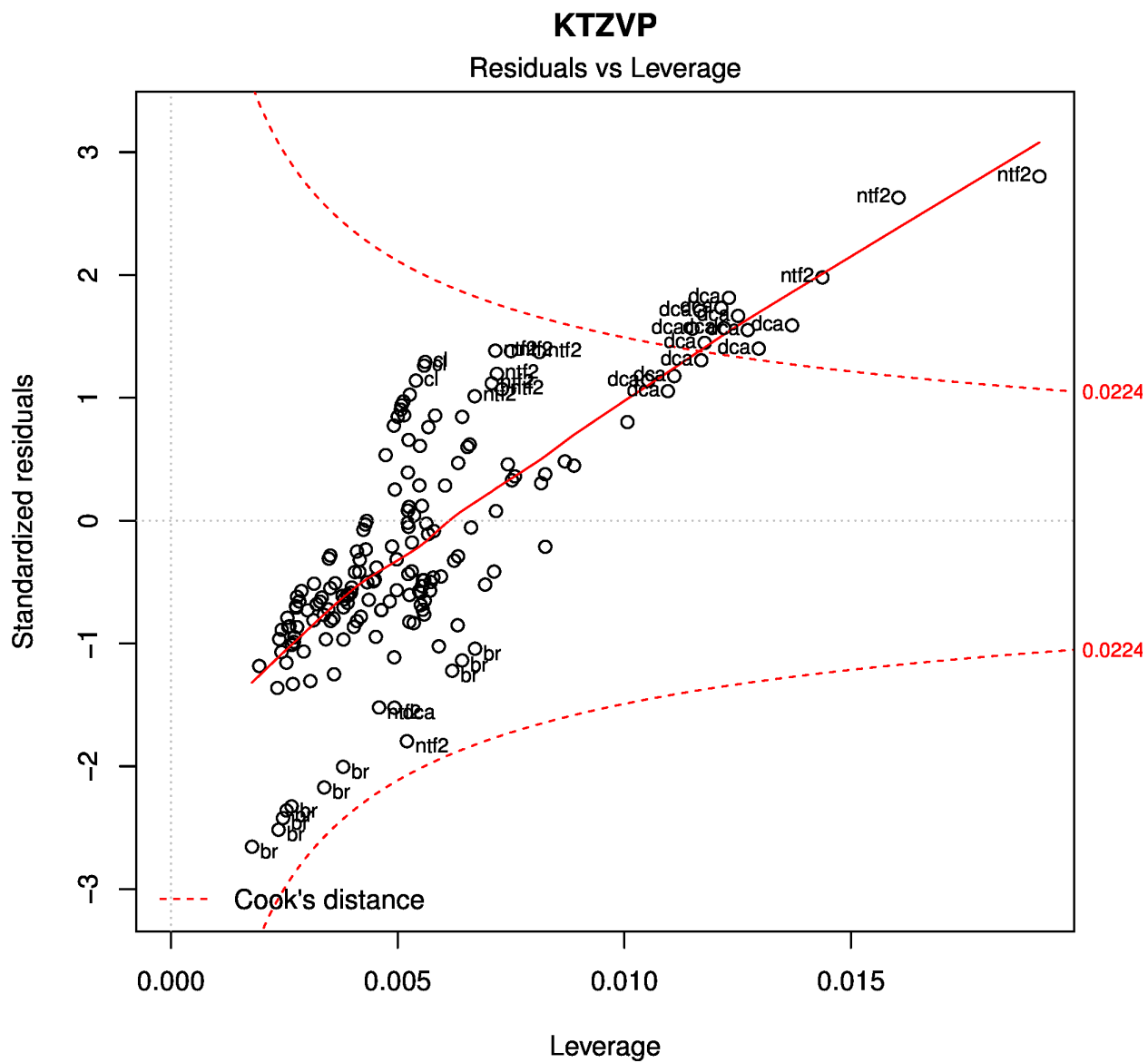


Figure S 88: Residuals vs Leverage plot

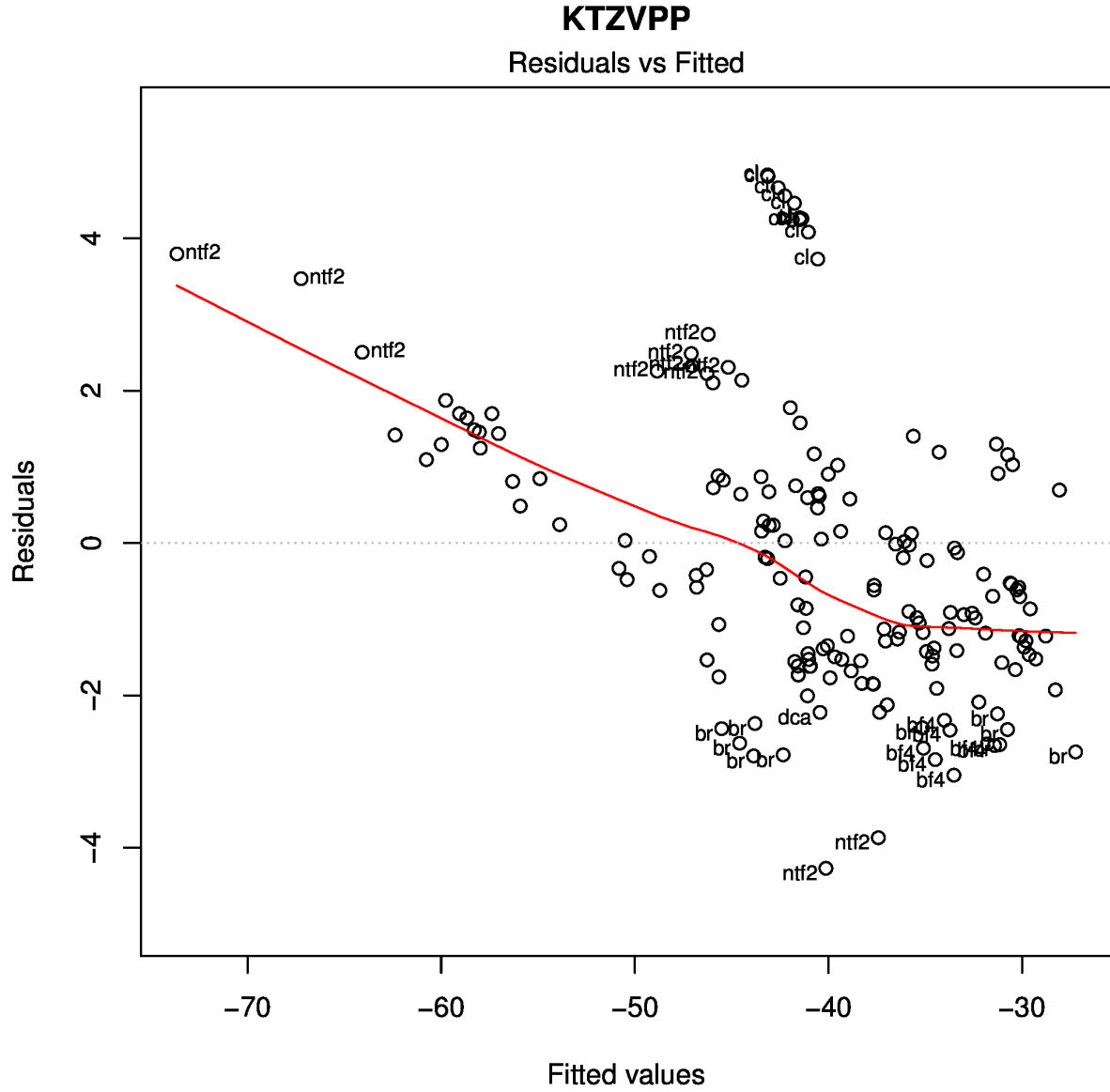


Figure S 89: Residuals vs Fitted values

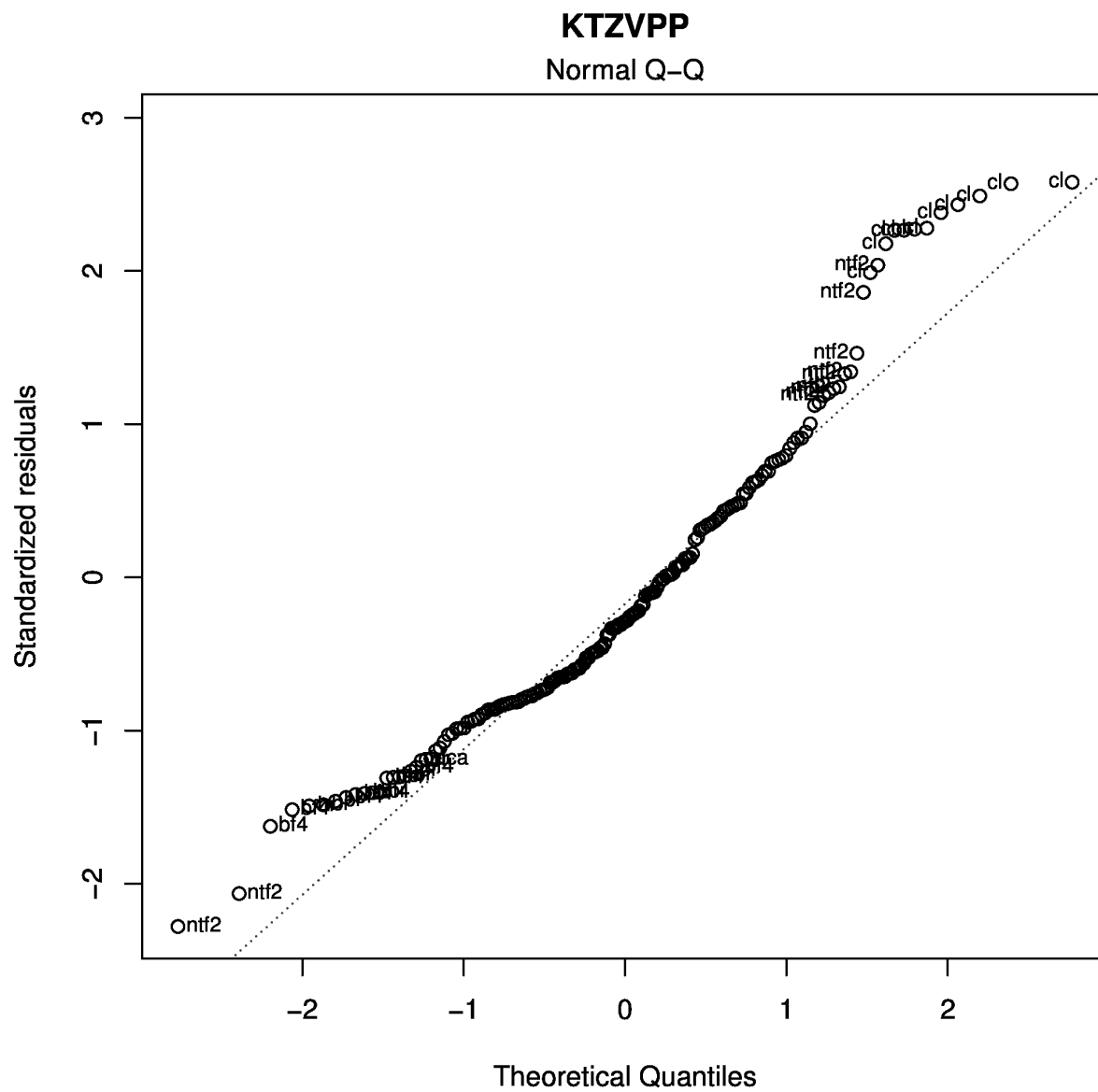


Figure S 90: Q-Q plot

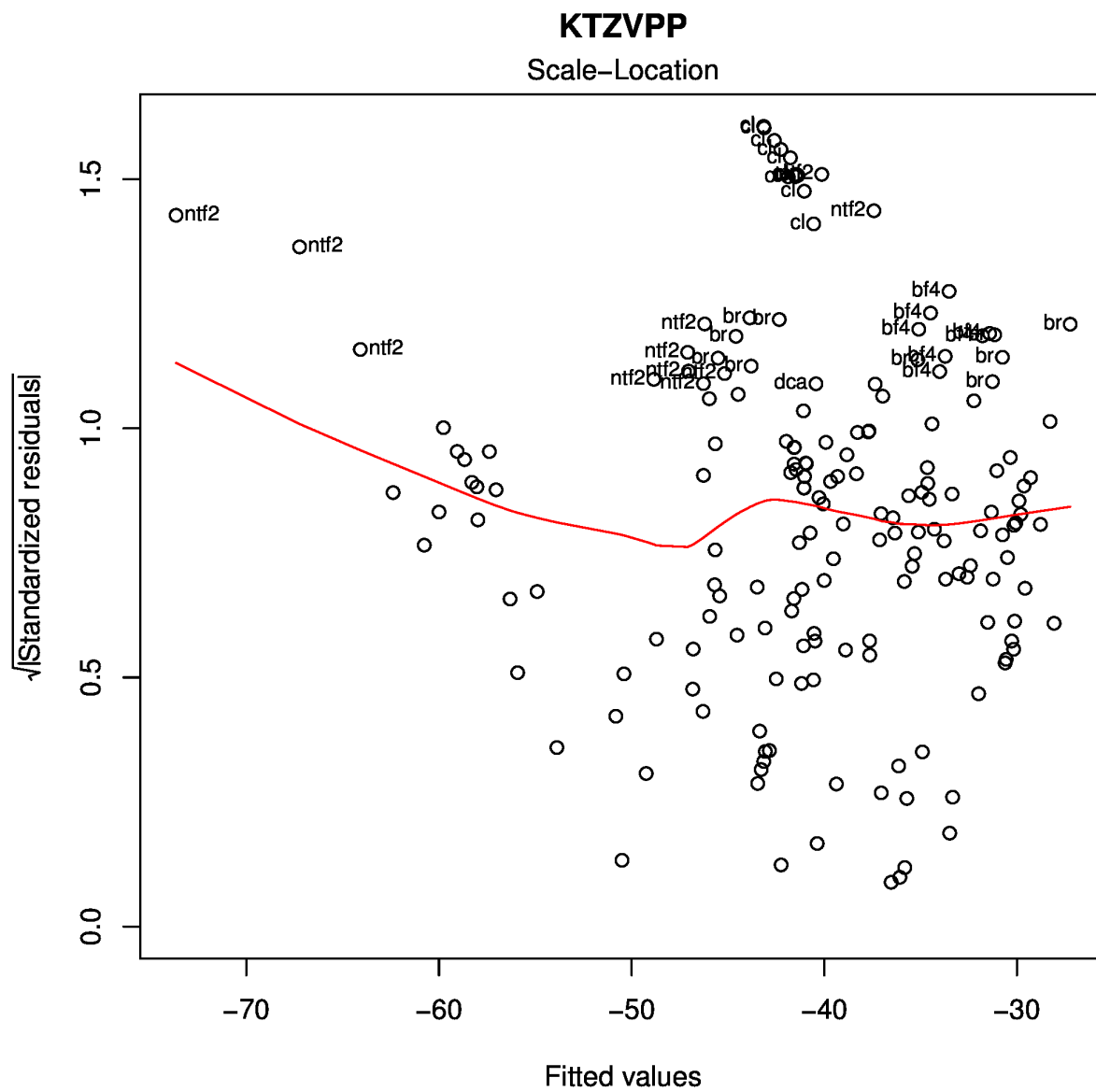


Figure S 91: Scale-Location plot

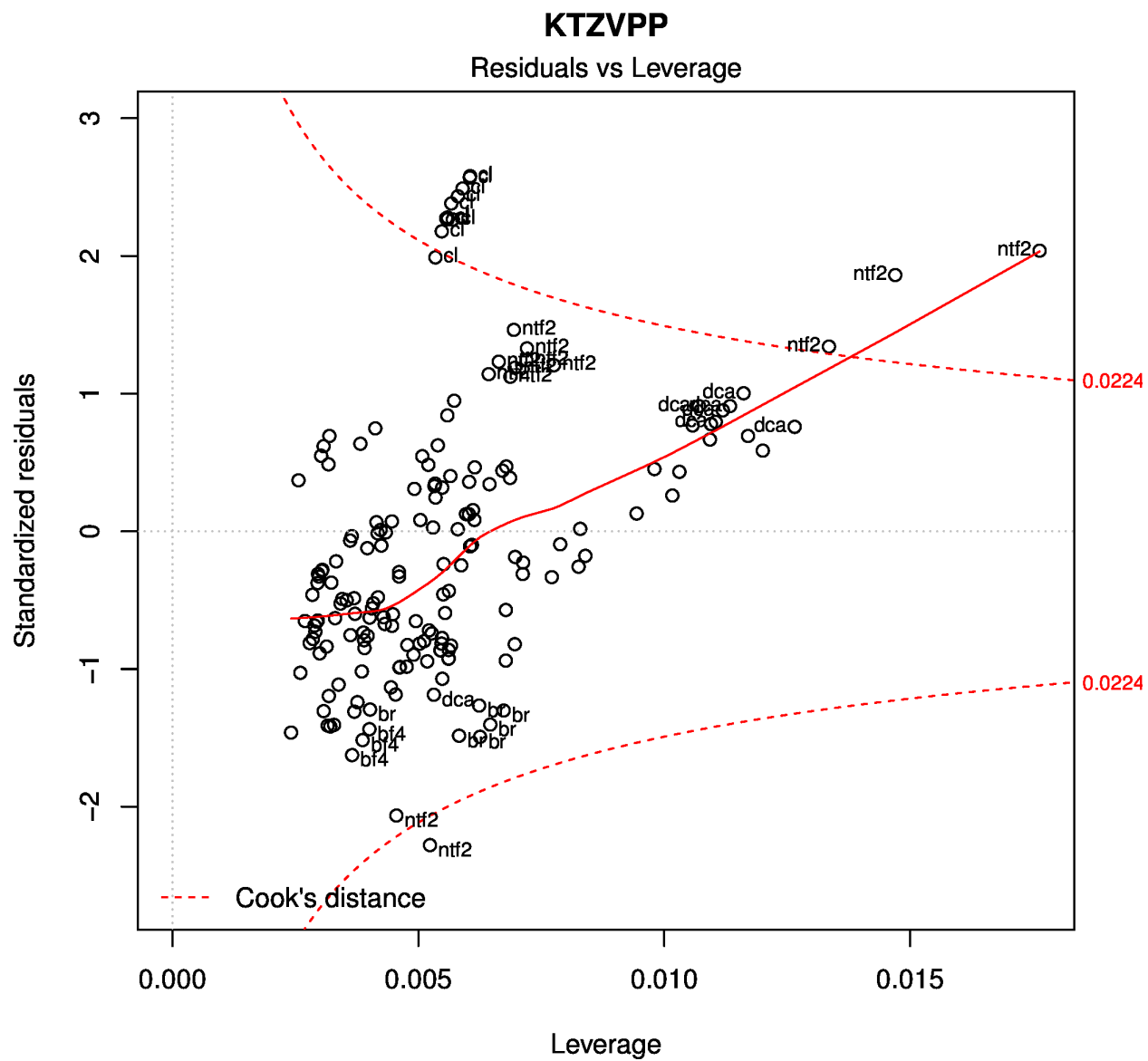


Figure S 92: Residuals vs Leverage plot

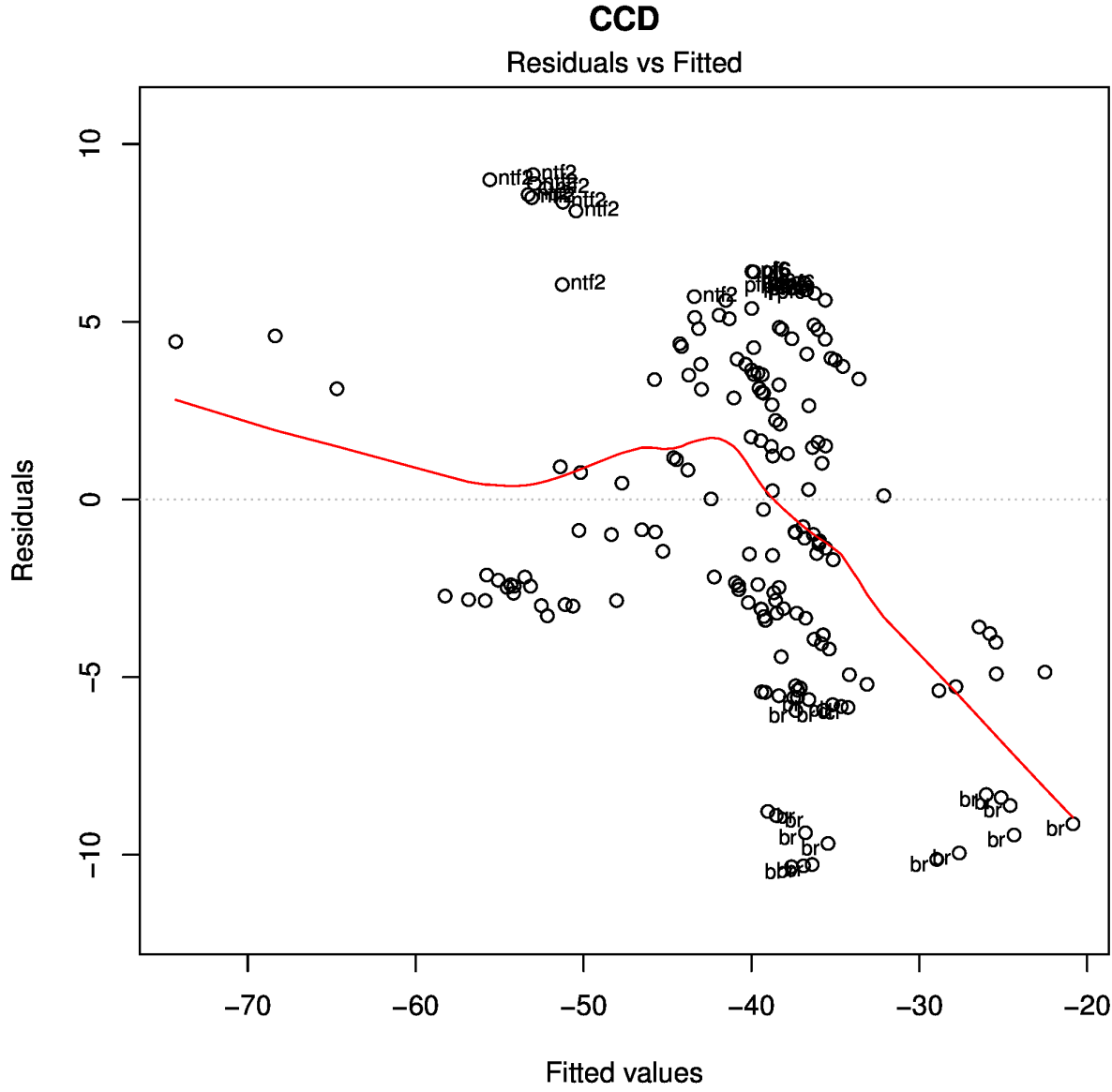


Figure S 93: Residuals vs Fitted values

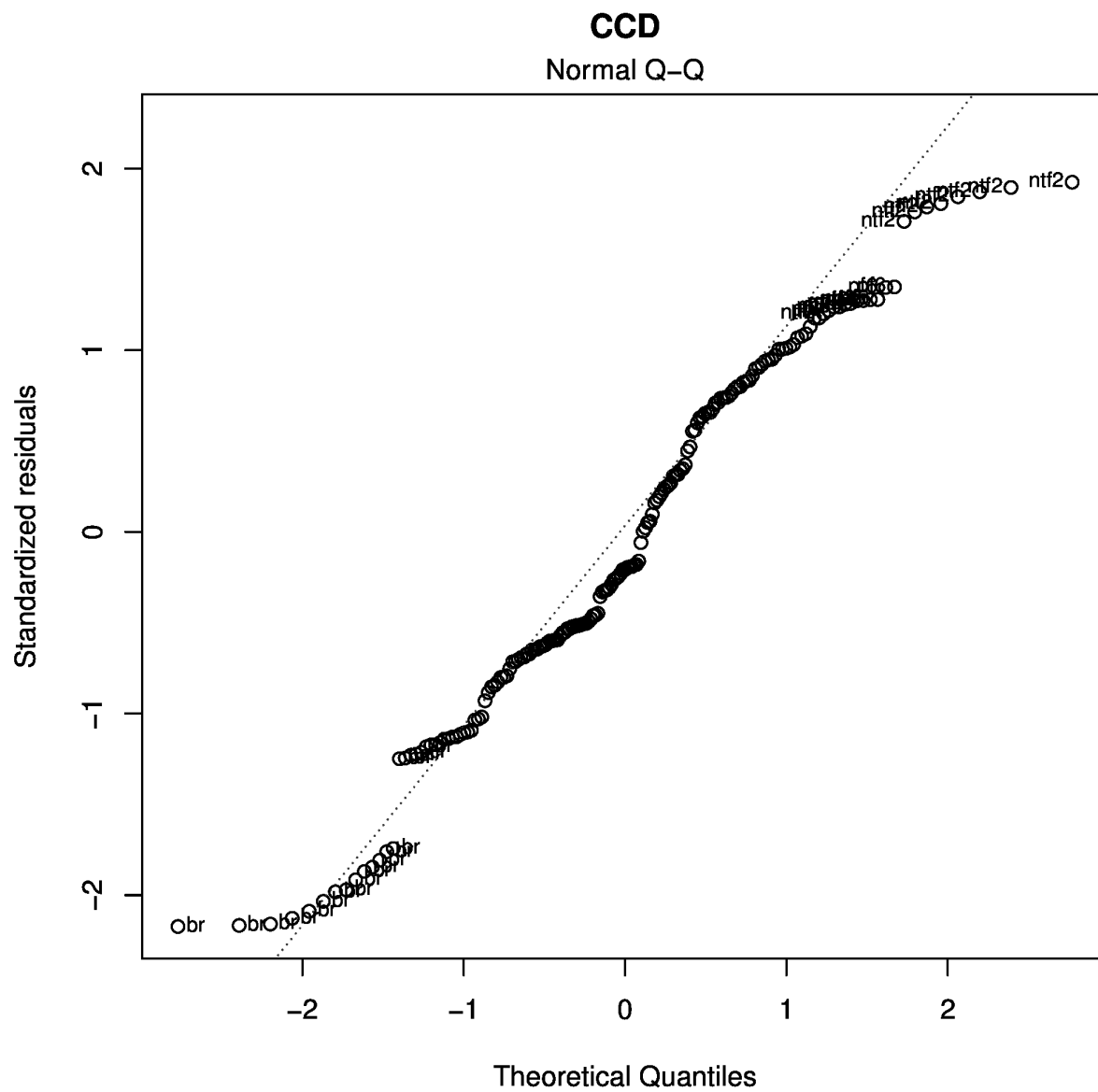


Figure S 94: Q-Q plot

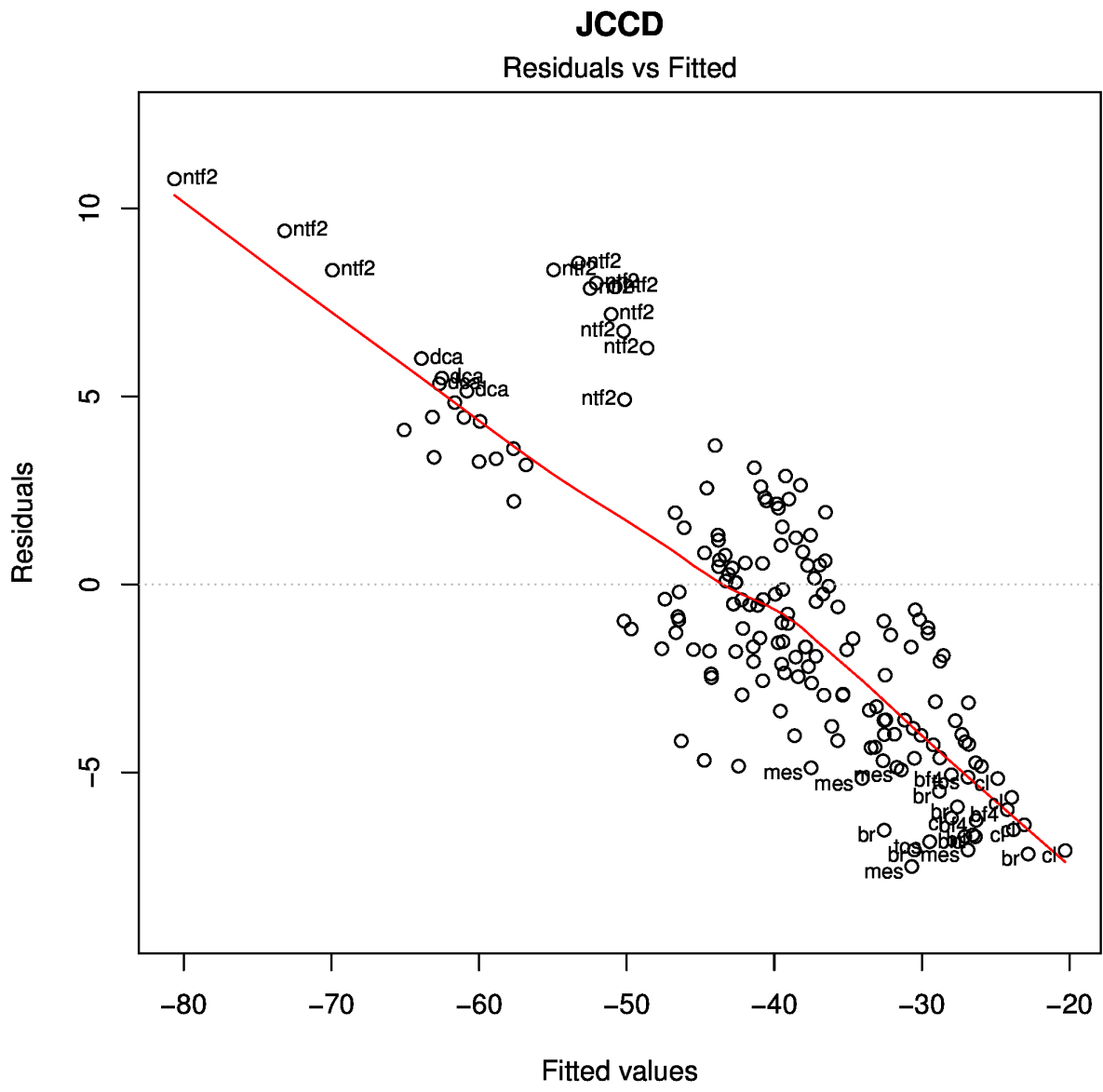


Figure S 97: Residuals vs Fitted values

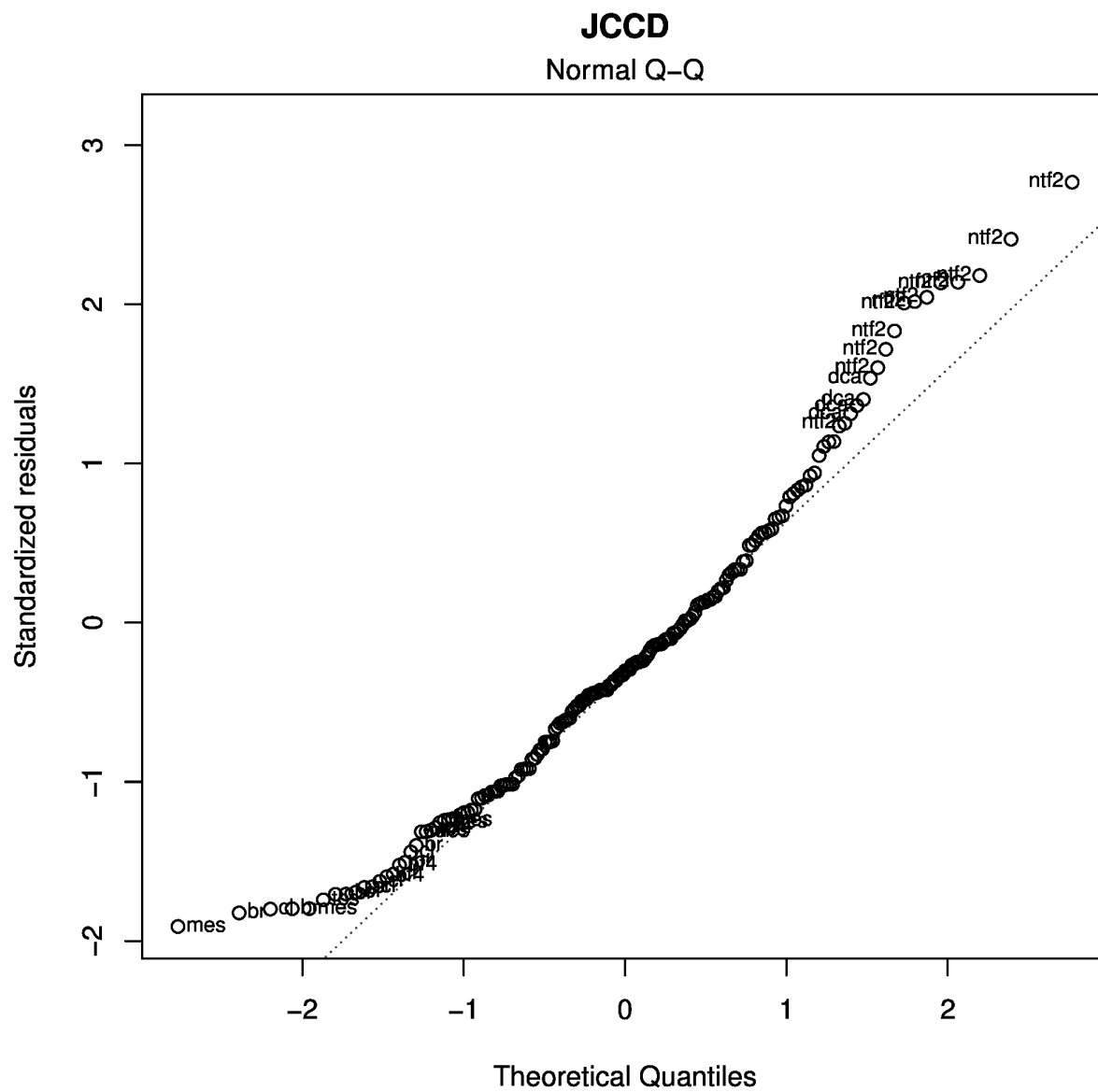


Figure S 98: Q-Q plot

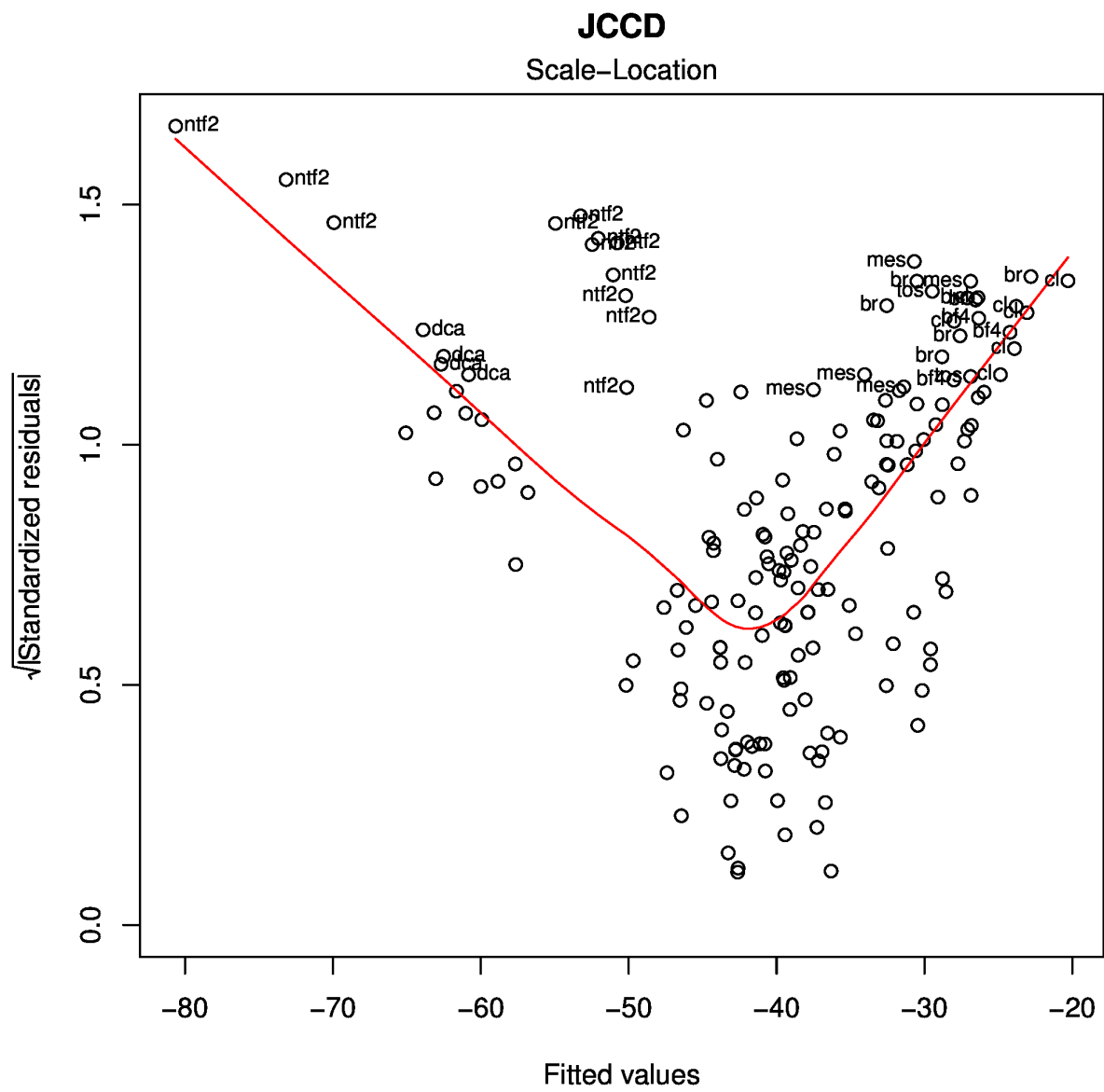


Figure S 99: Scale-Location plot

3.2.7 ACCD basis set

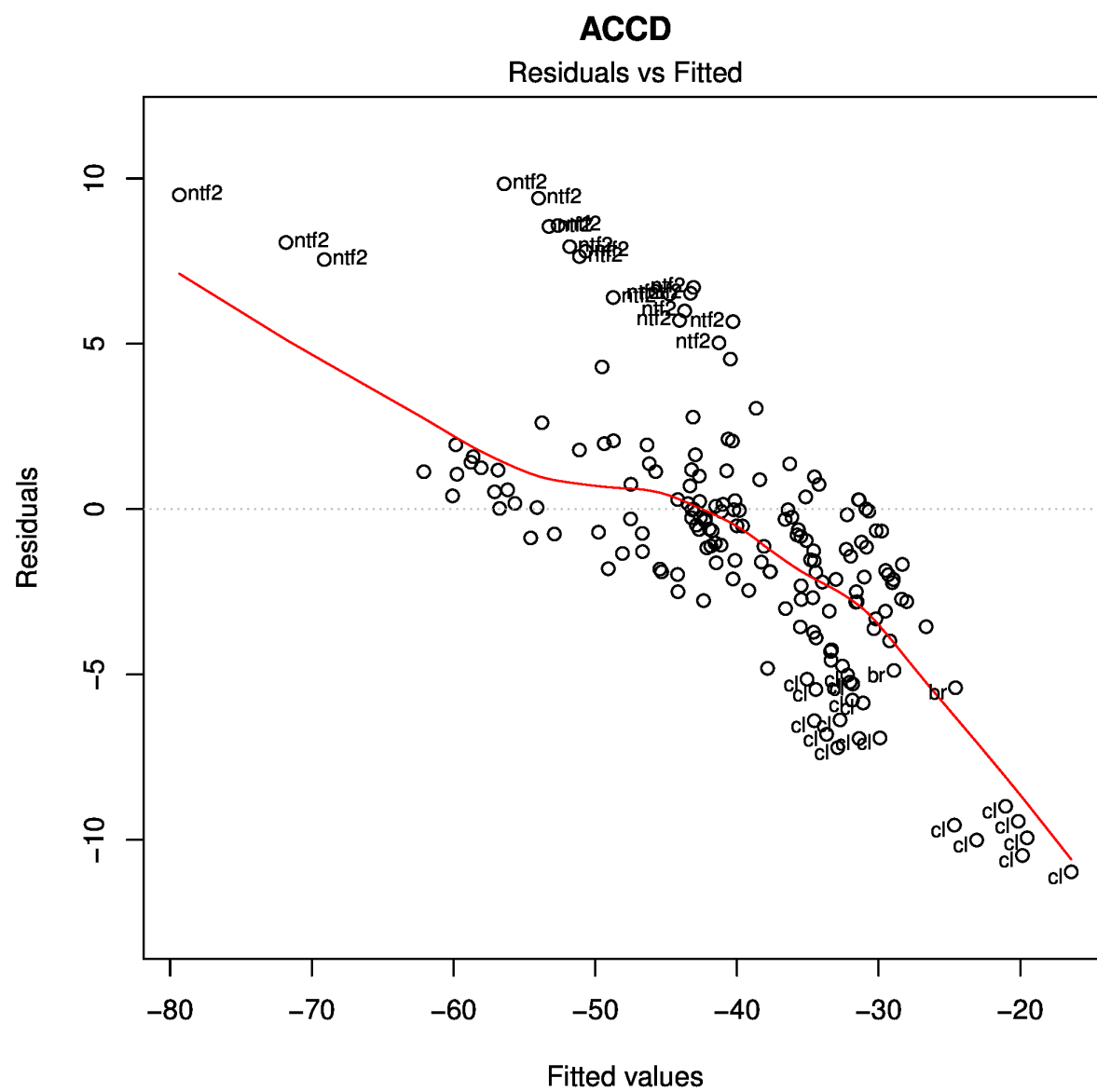


Figure S 101: Residuals vs Fitted values

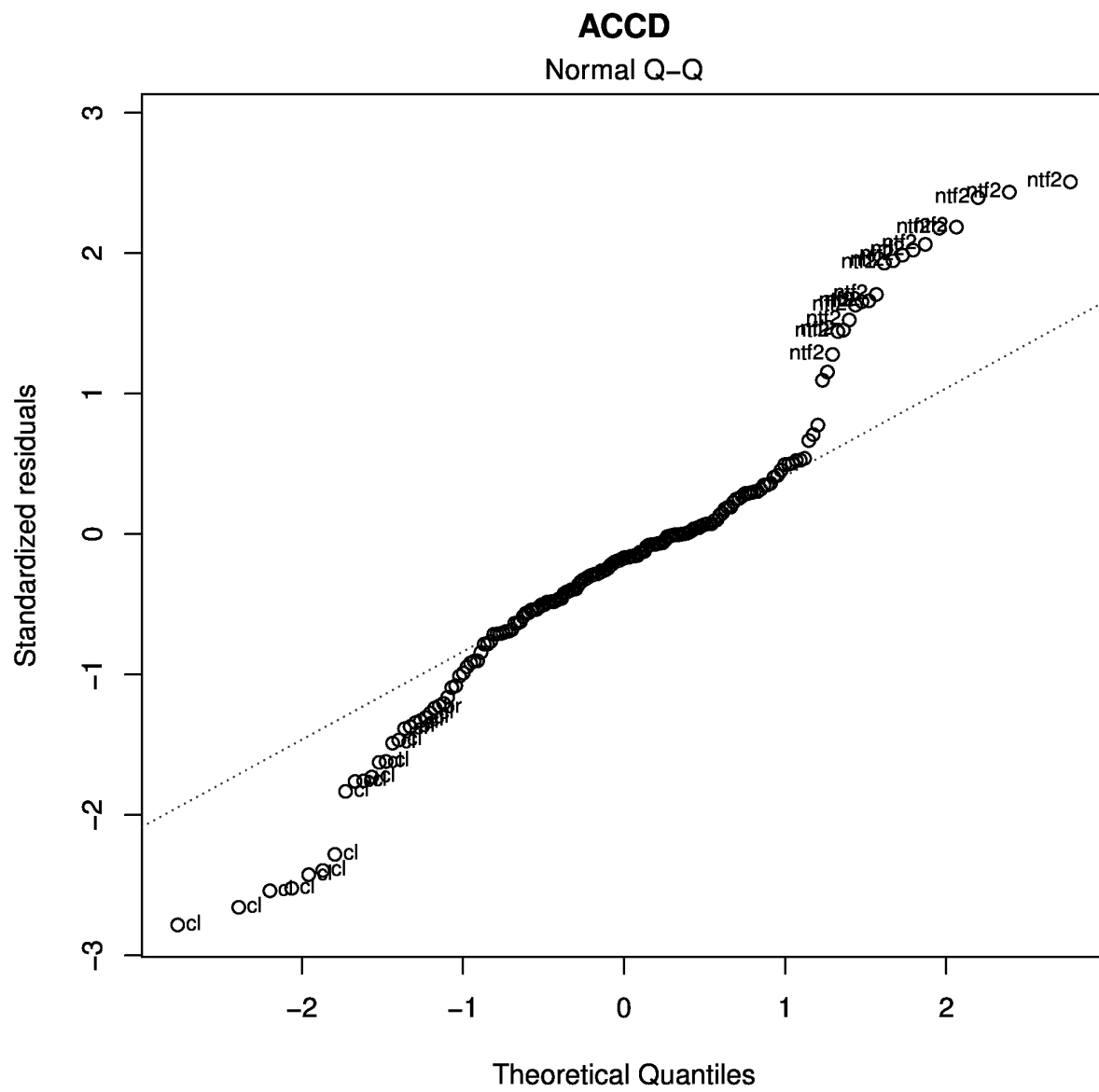


Figure S 102: Q-Q plot

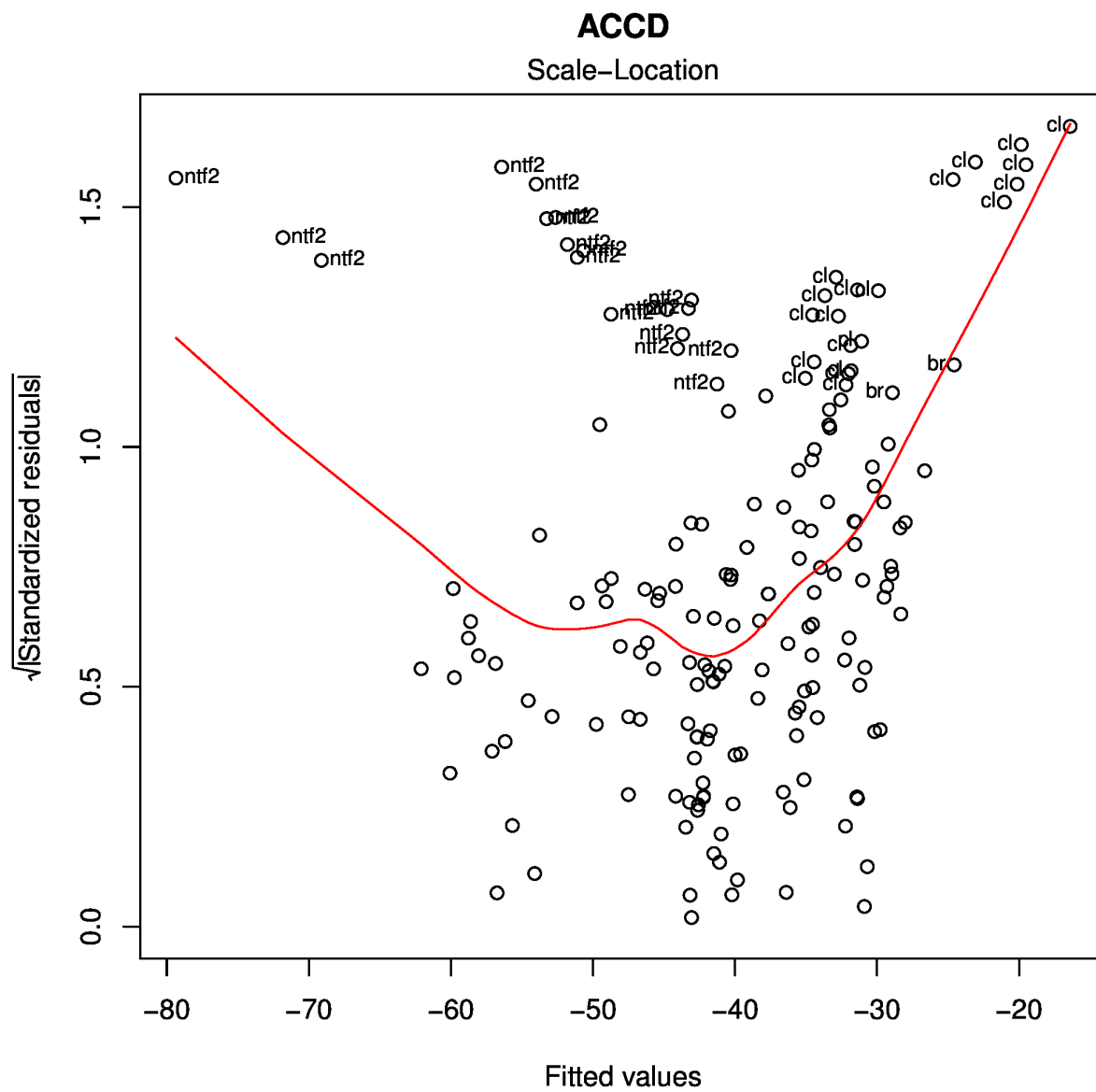


Figure S 103: Scale-Location plot

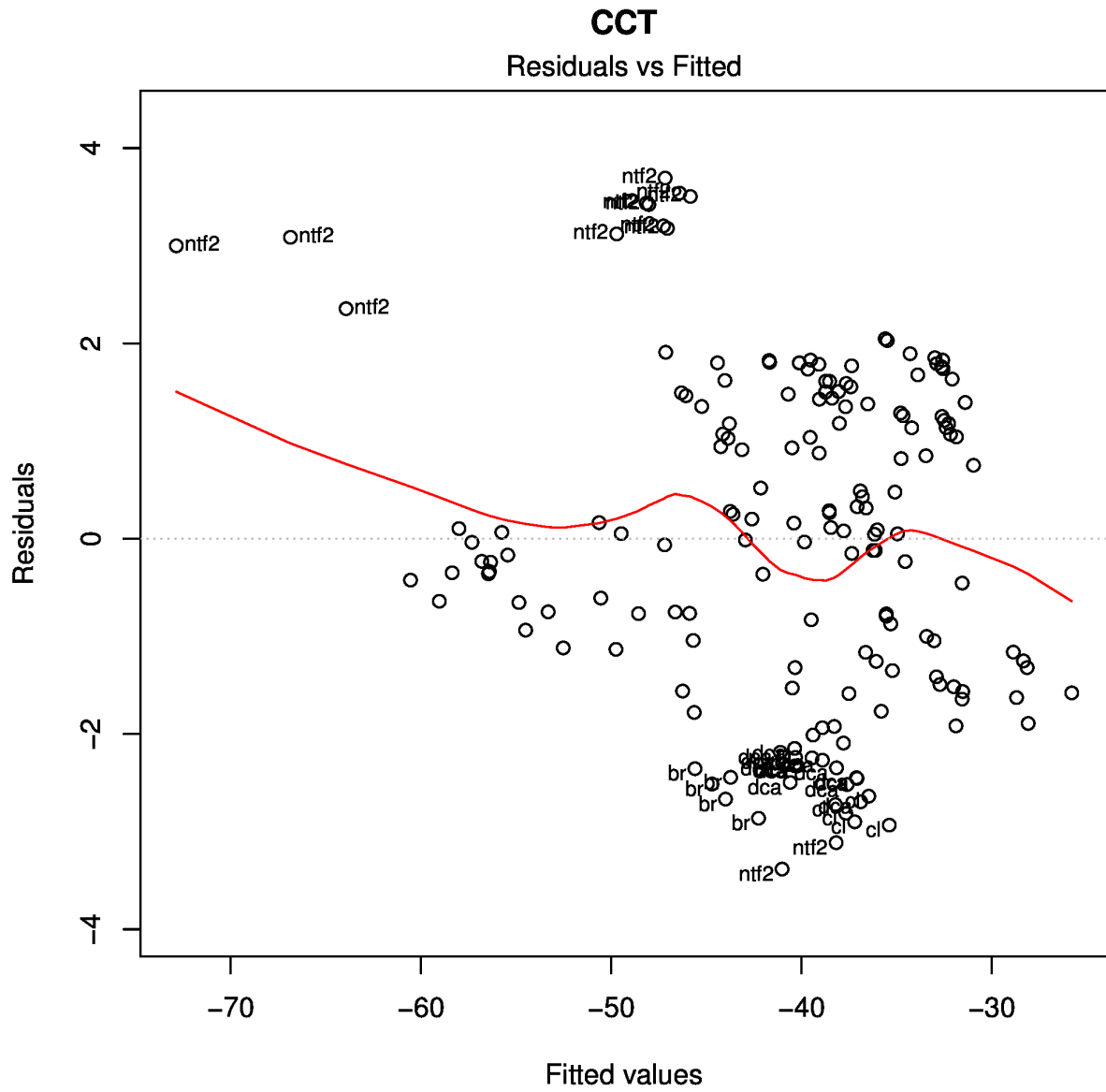
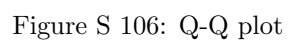


Figure S 105: Residuals vs Fitted values



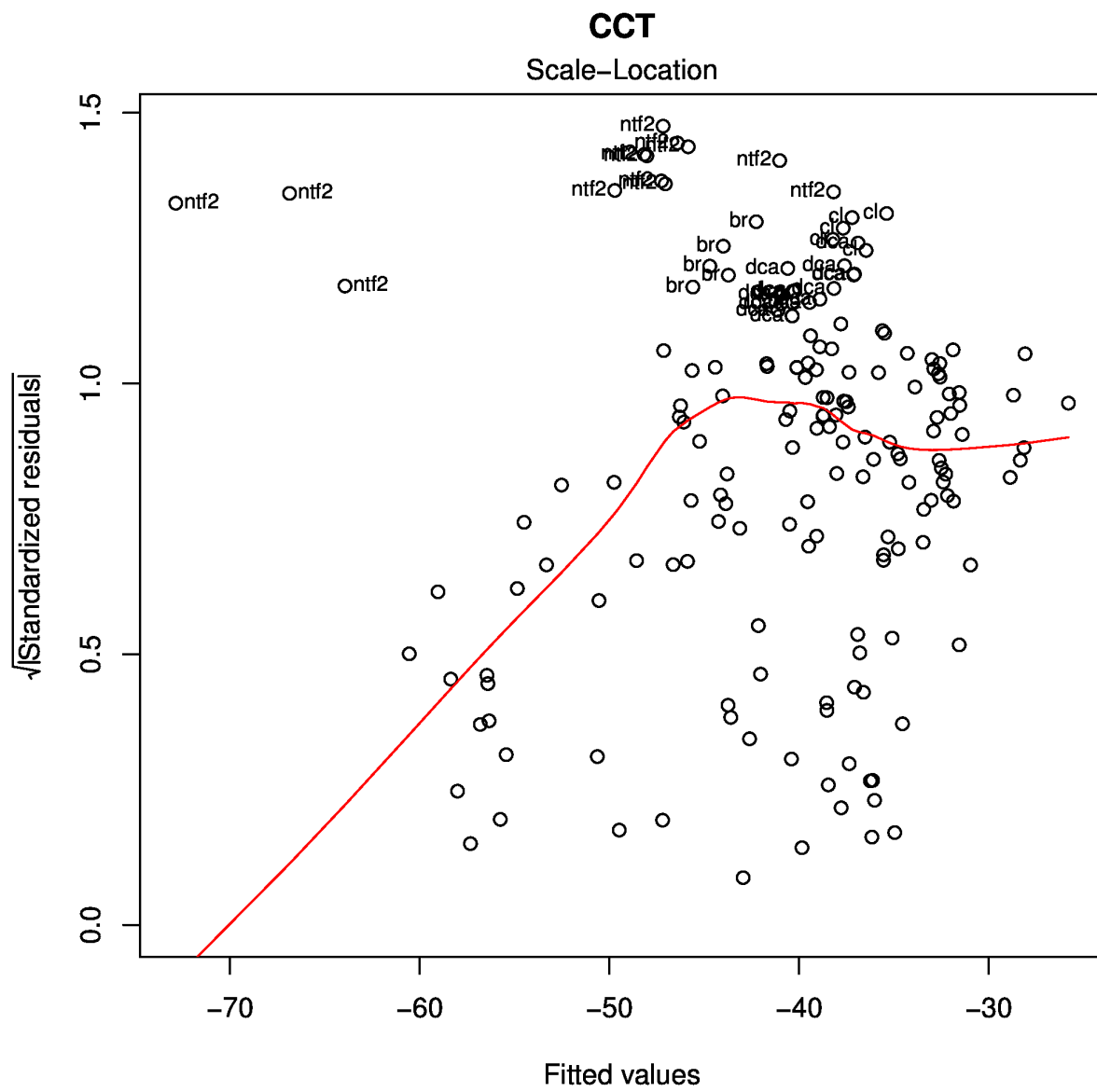


Figure S 107: Scale-Location plot

3.2.9 MCCT basis set

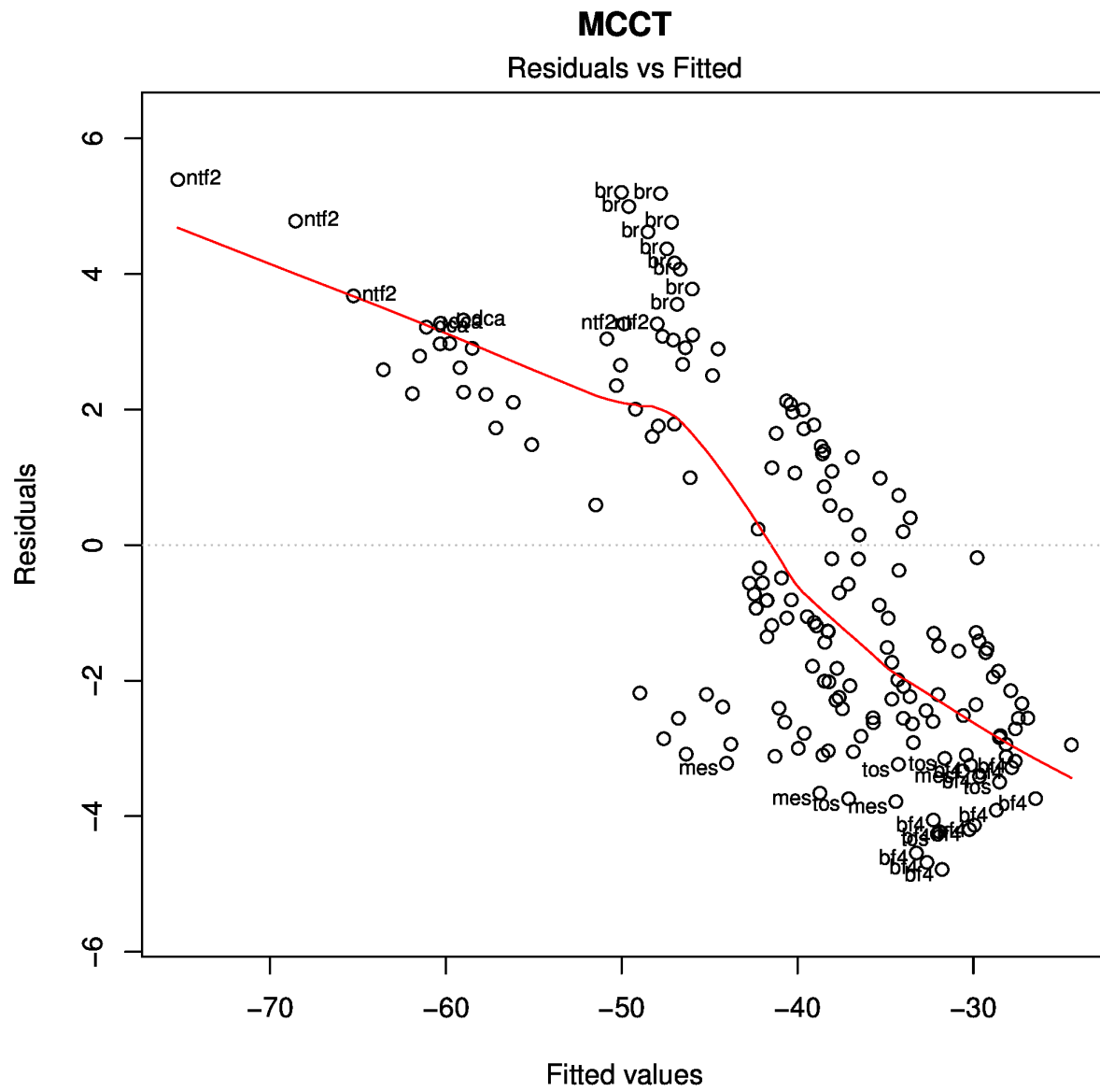


Figure S 109: Residuals vs Fitted values

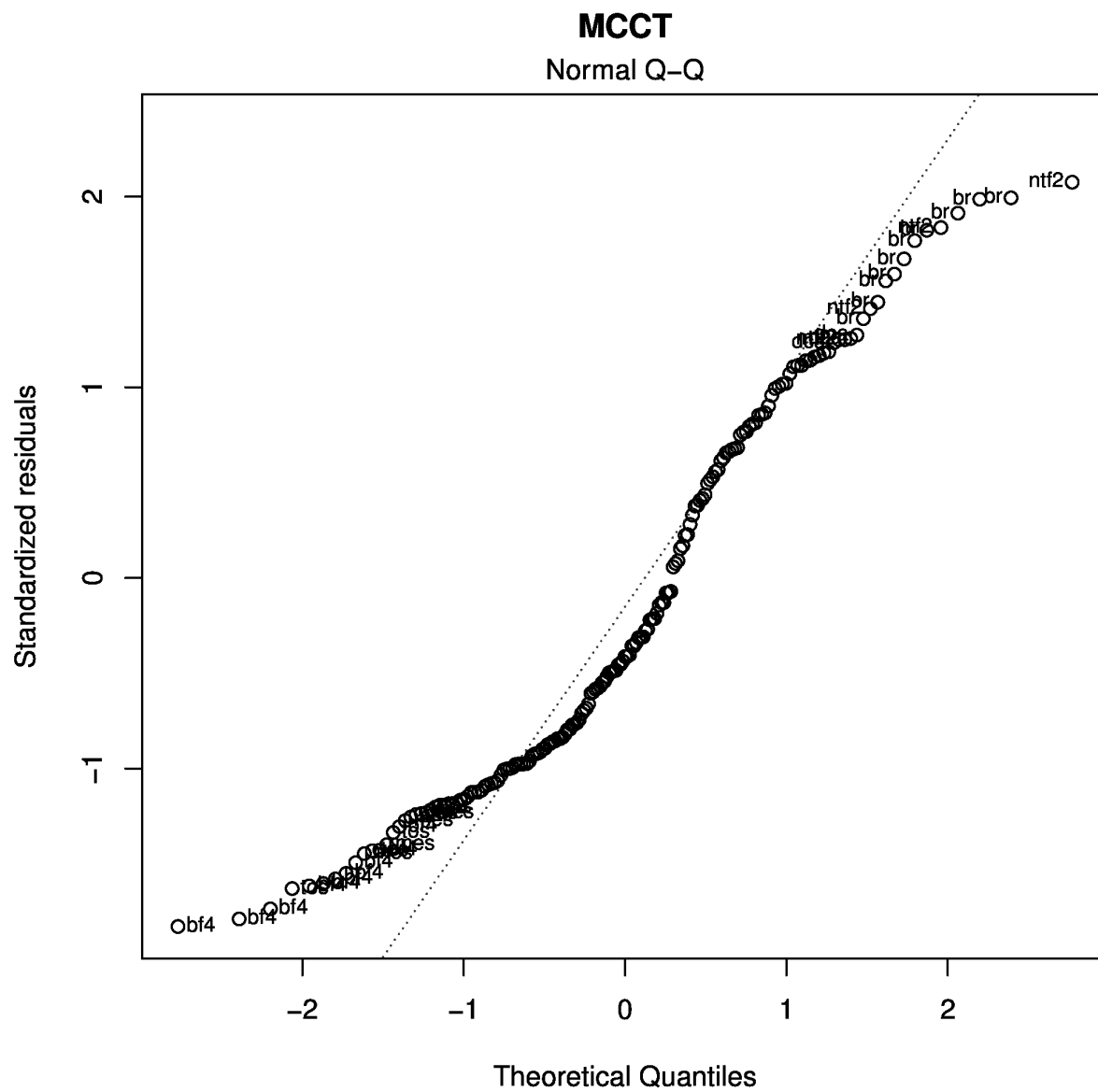


Figure S 110: Q-Q plot

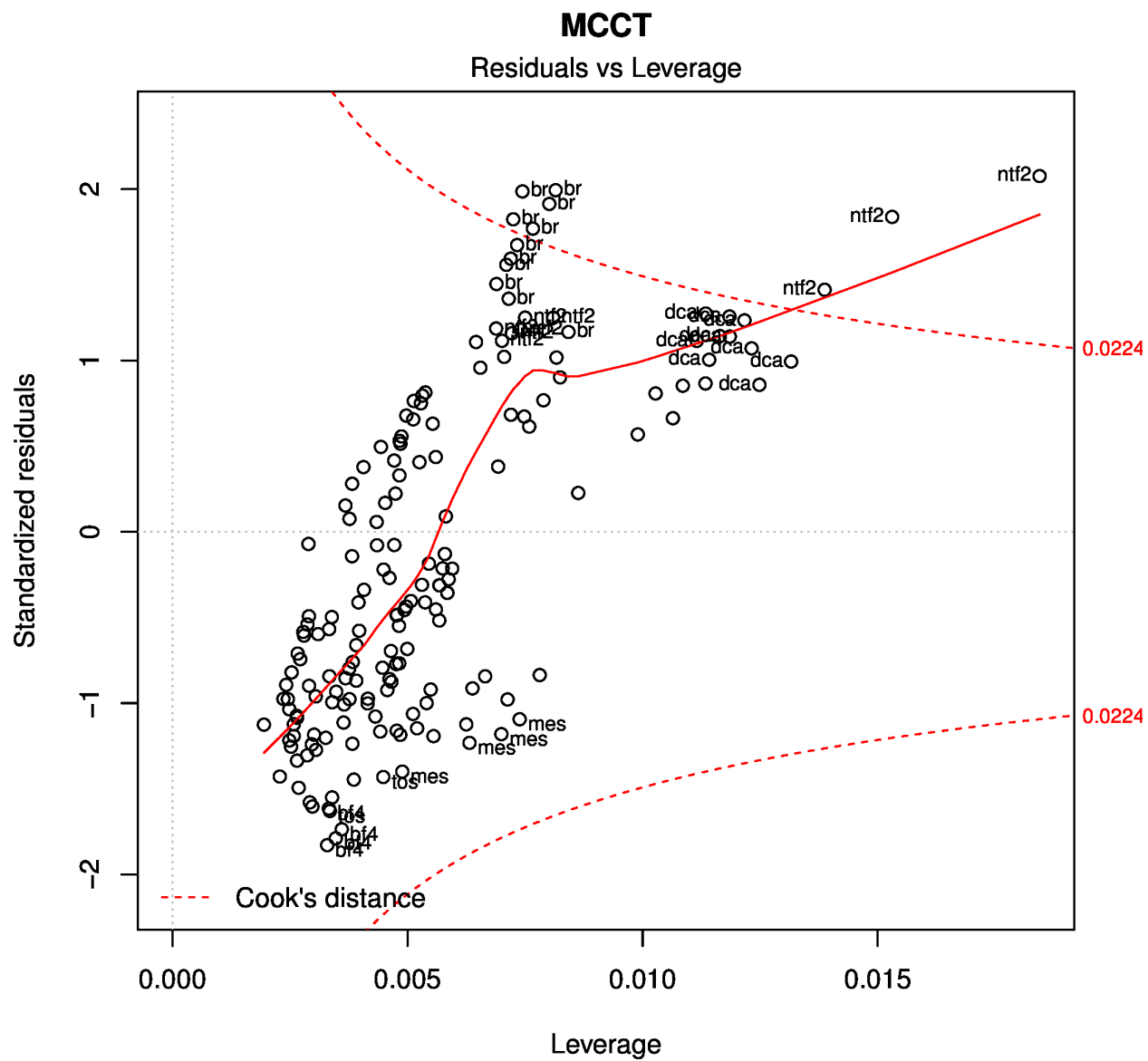


Figure S 112: Residuals vs Leverage plot

3.2.10 JCCT basis set

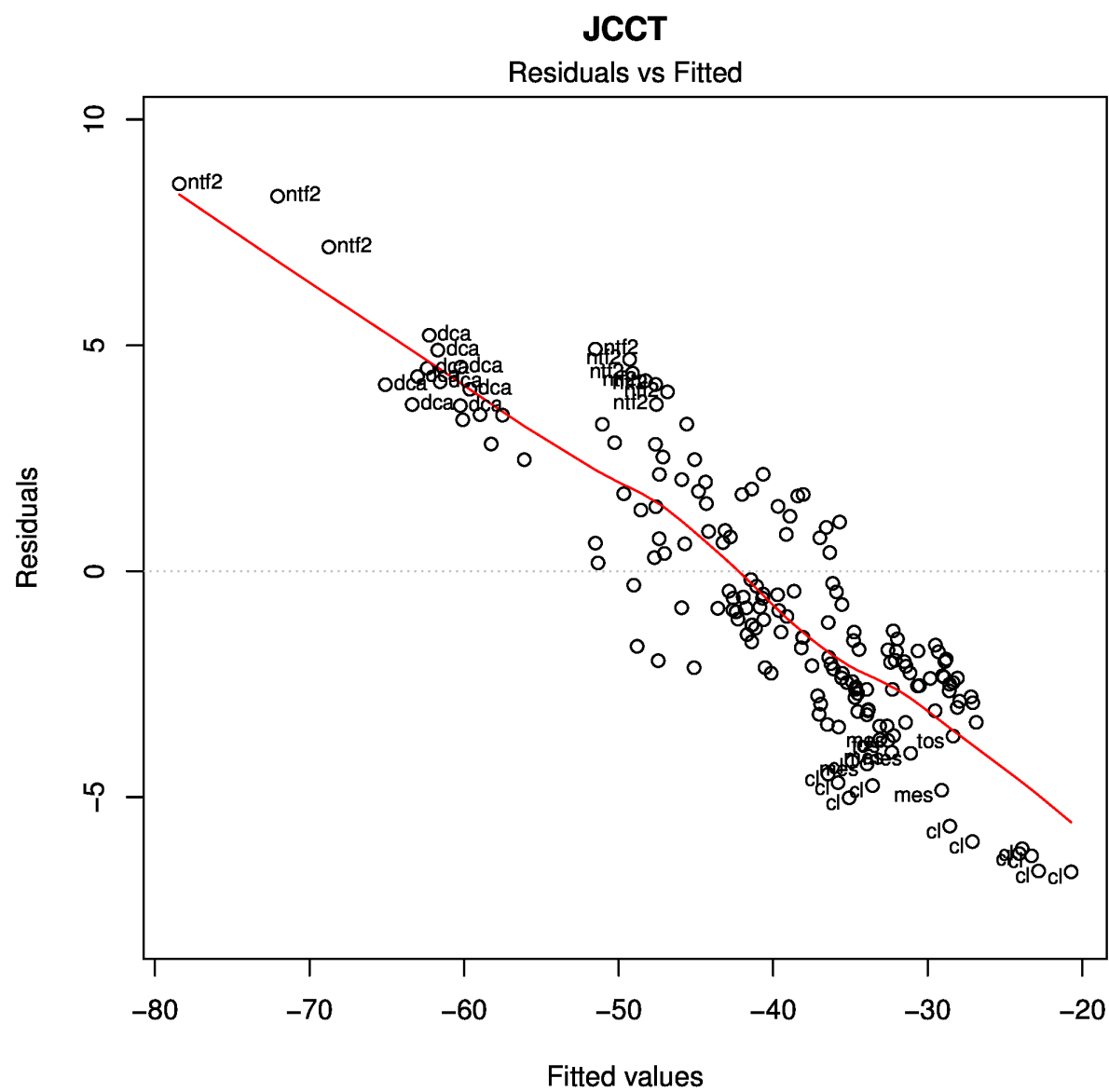


Figure S 113: Residuals vs Fitted values

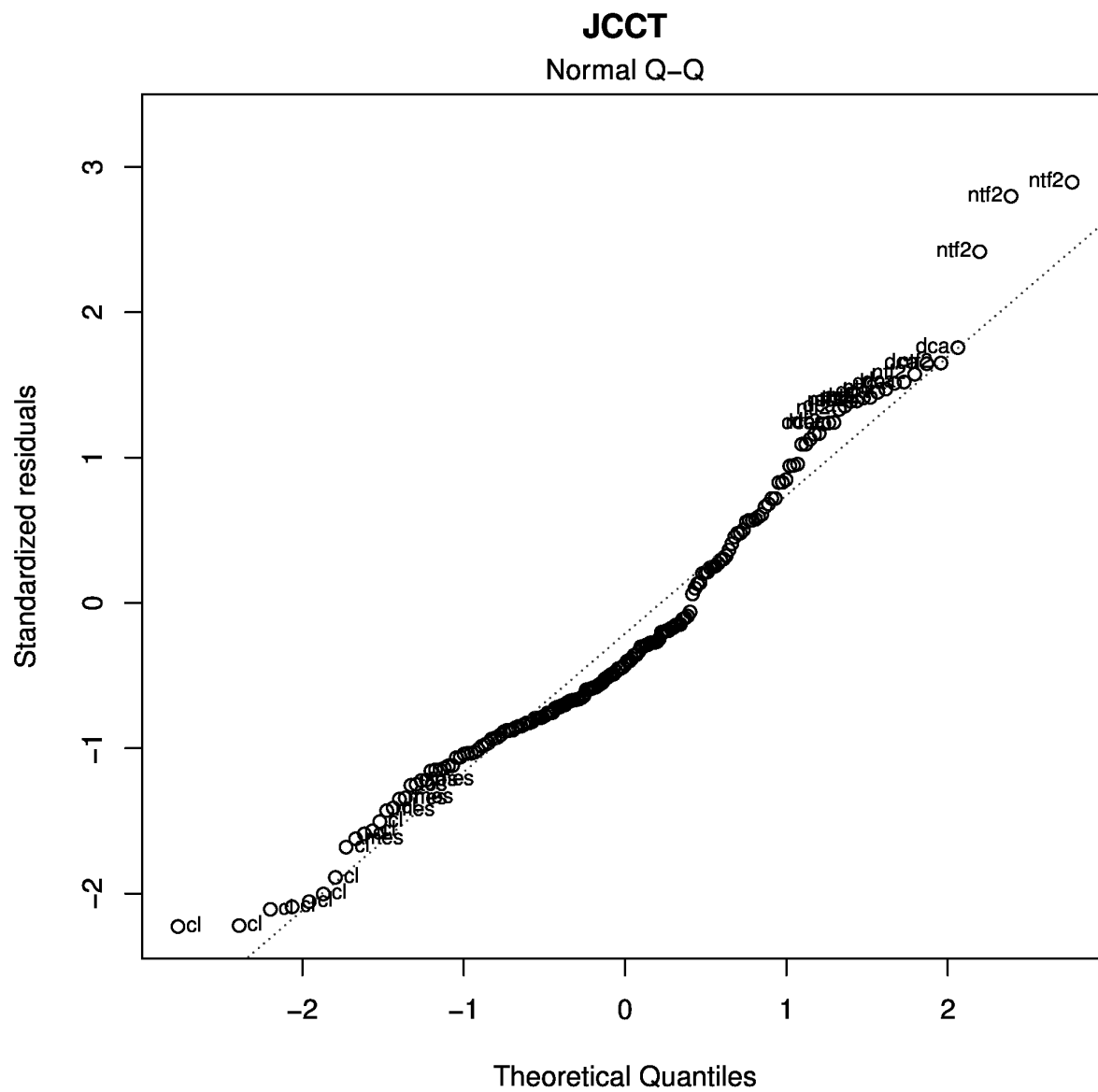


Figure S 114: Q-Q plot

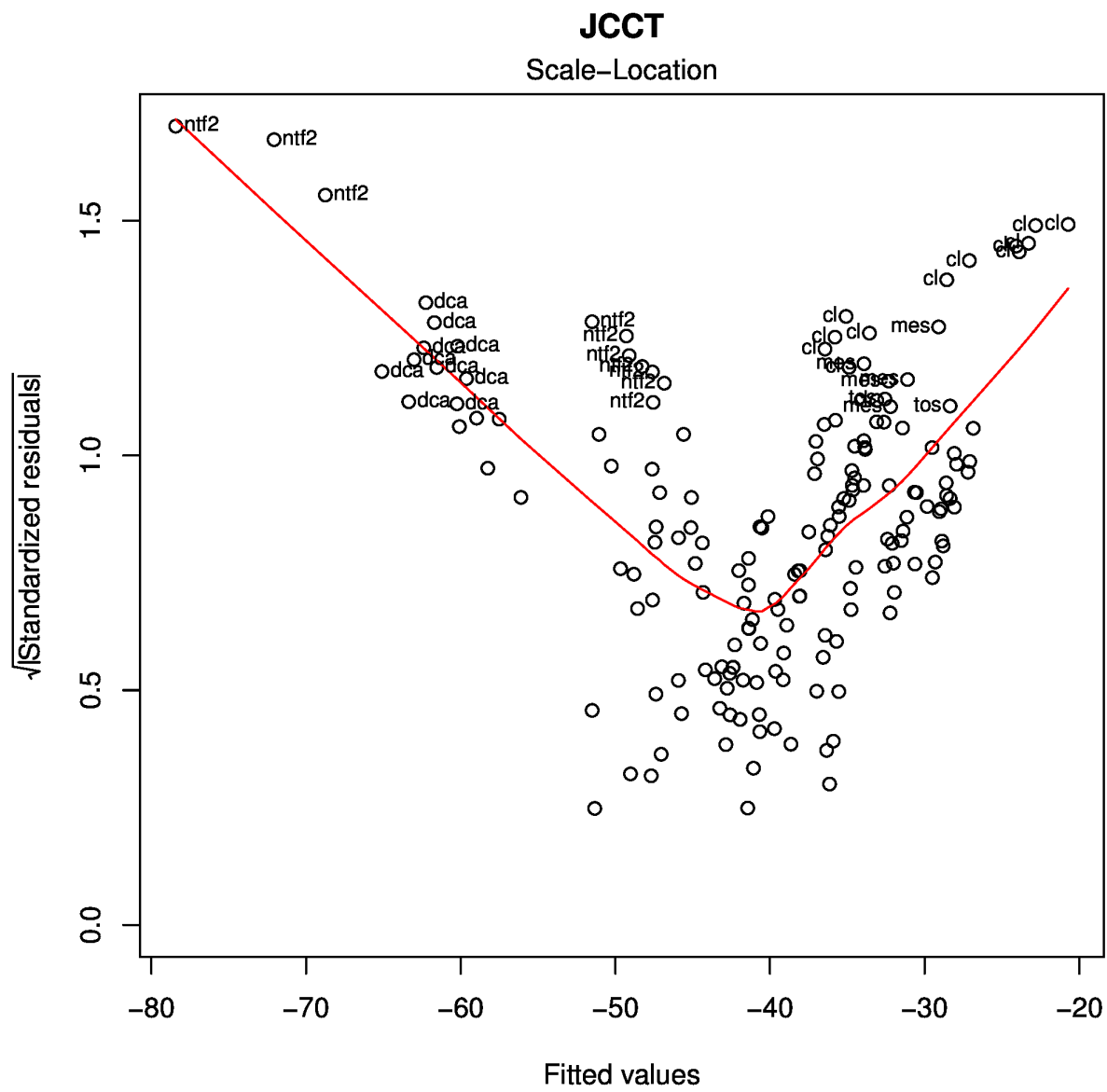


Figure S 115: Scale-Location plot

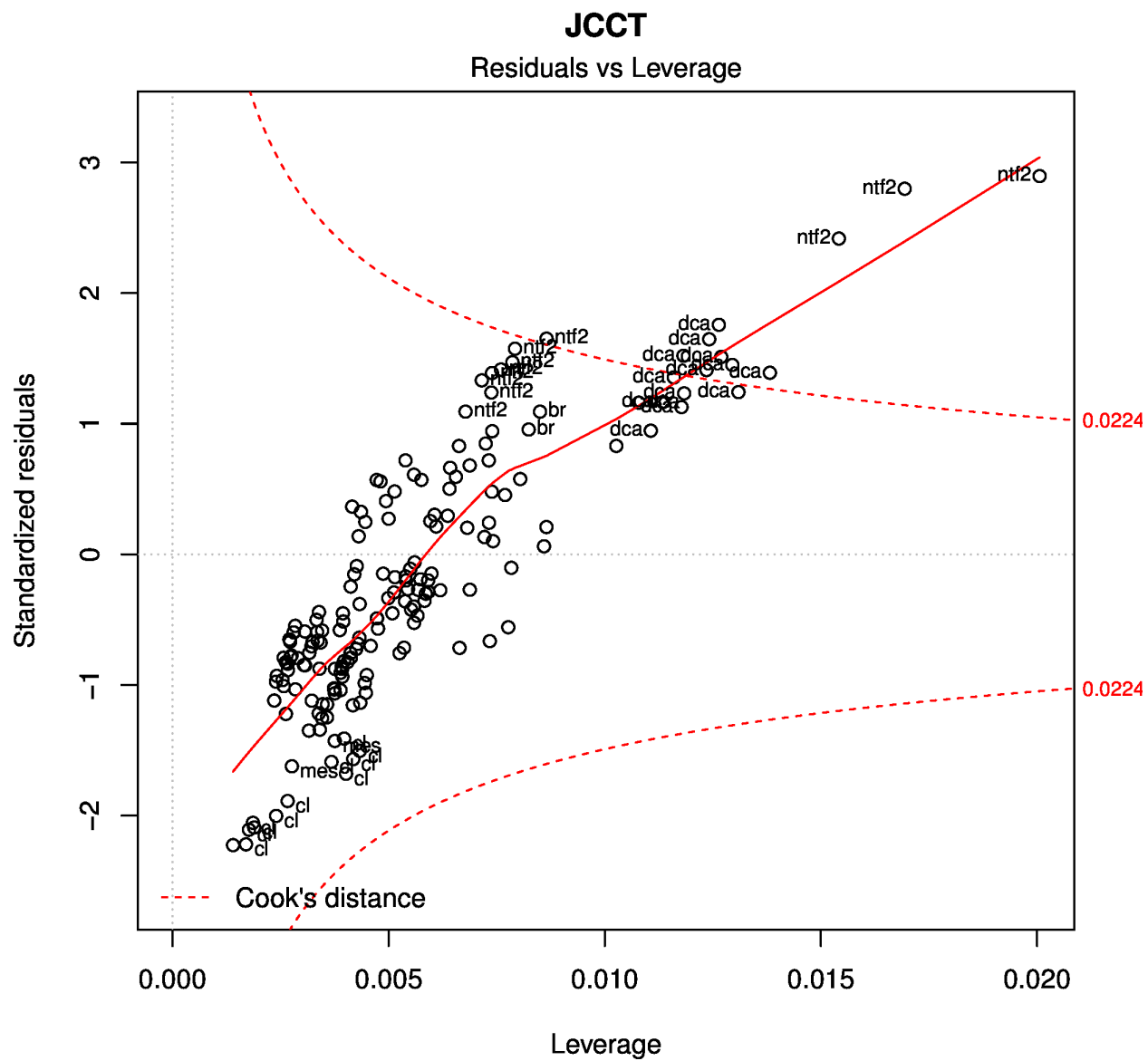


Figure S 116: Residuals vs Leverage plot

3.2.11 ACCT basis set

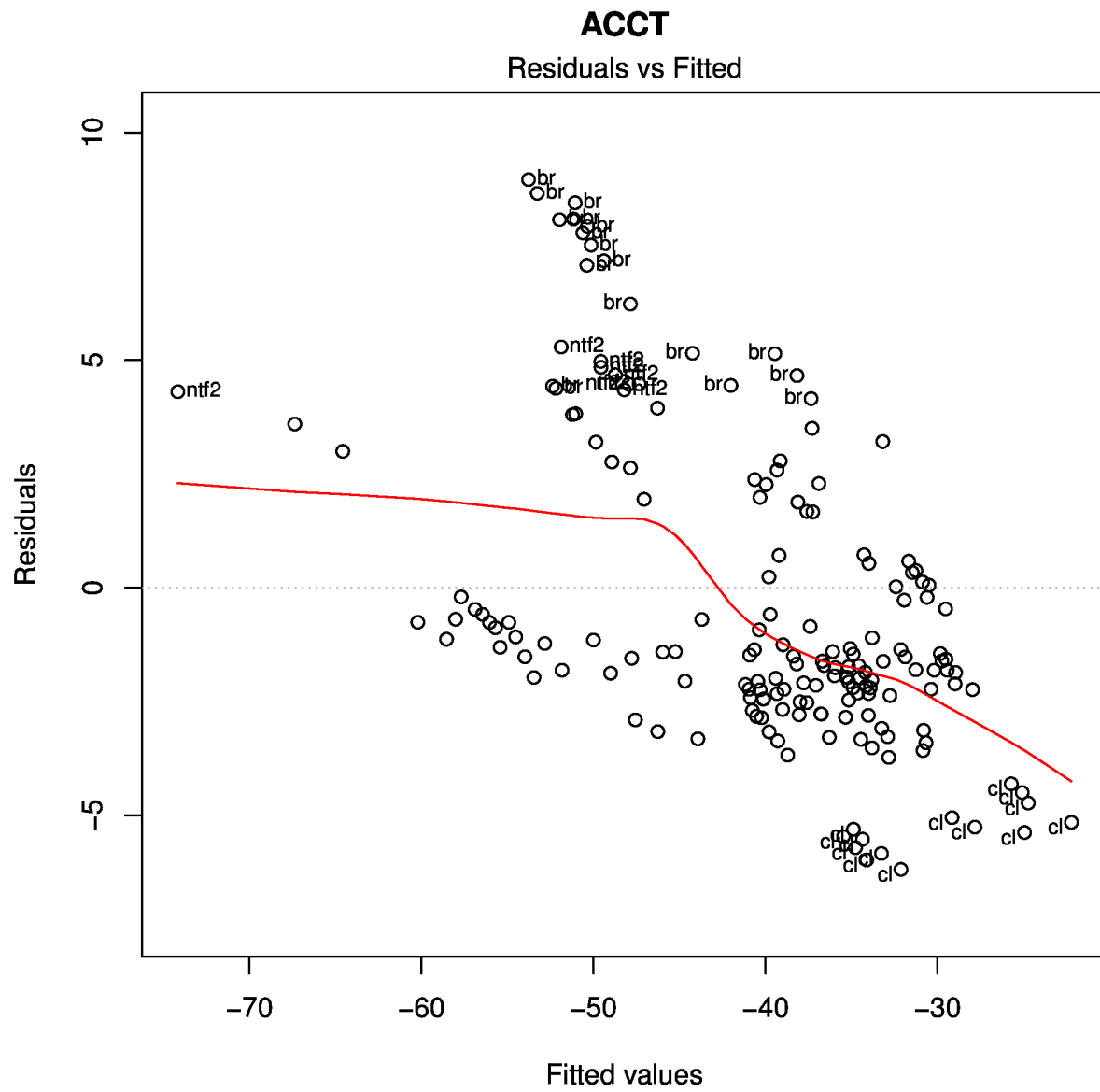


Figure S 117: Residuals vs Fitted values

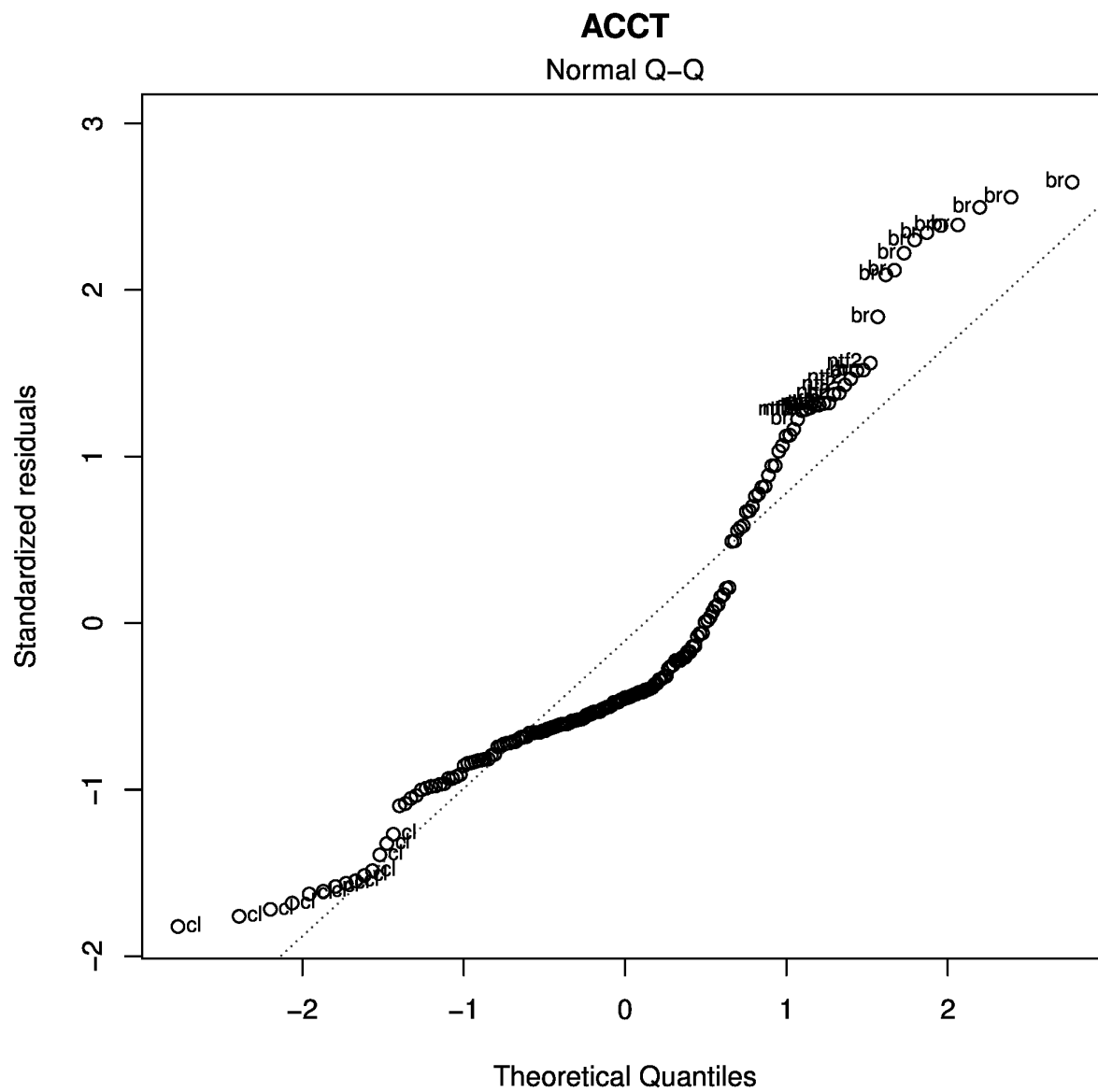


Figure S 118: Q-Q plot

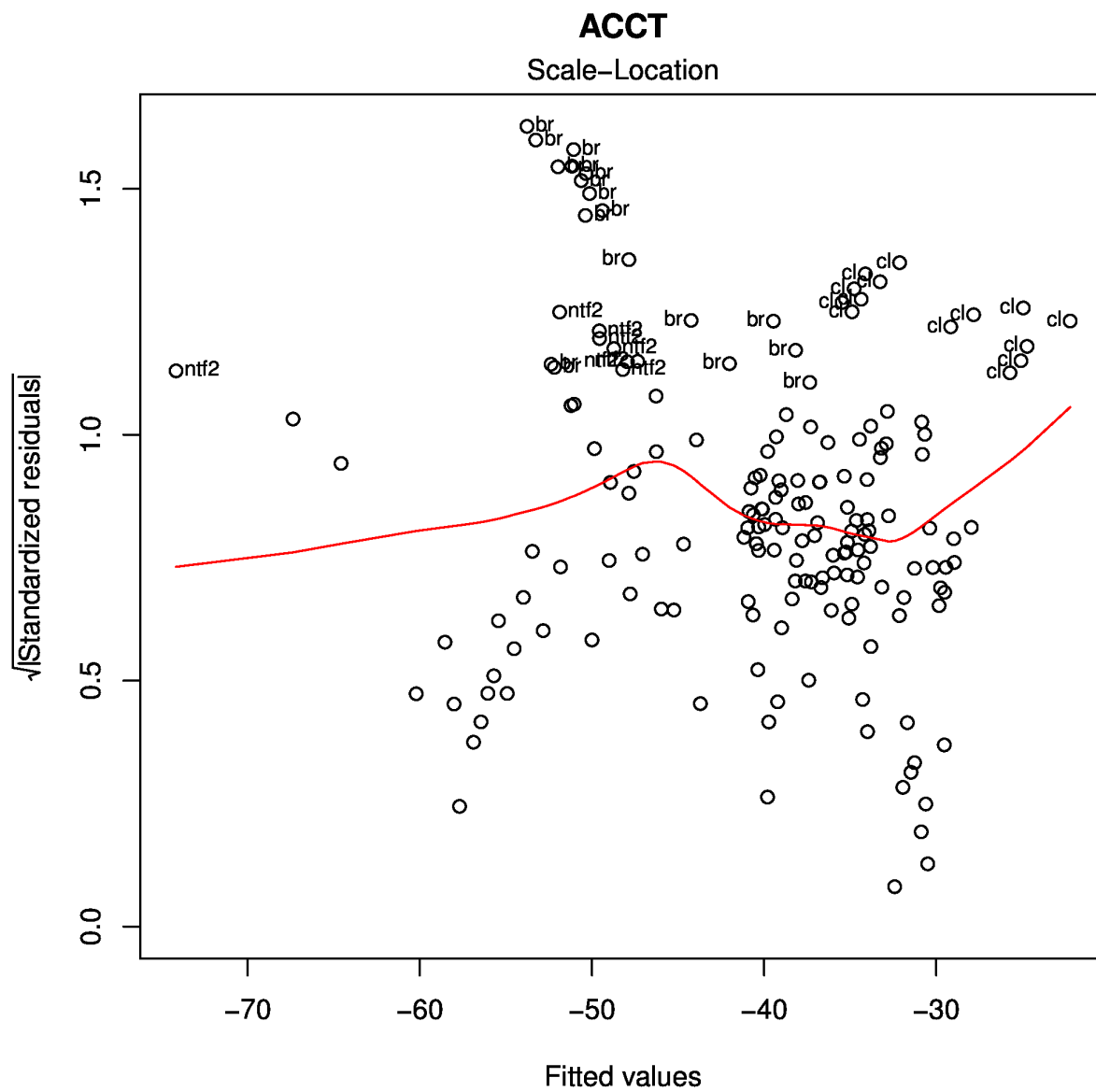


Figure S 119: Scale-Location plot

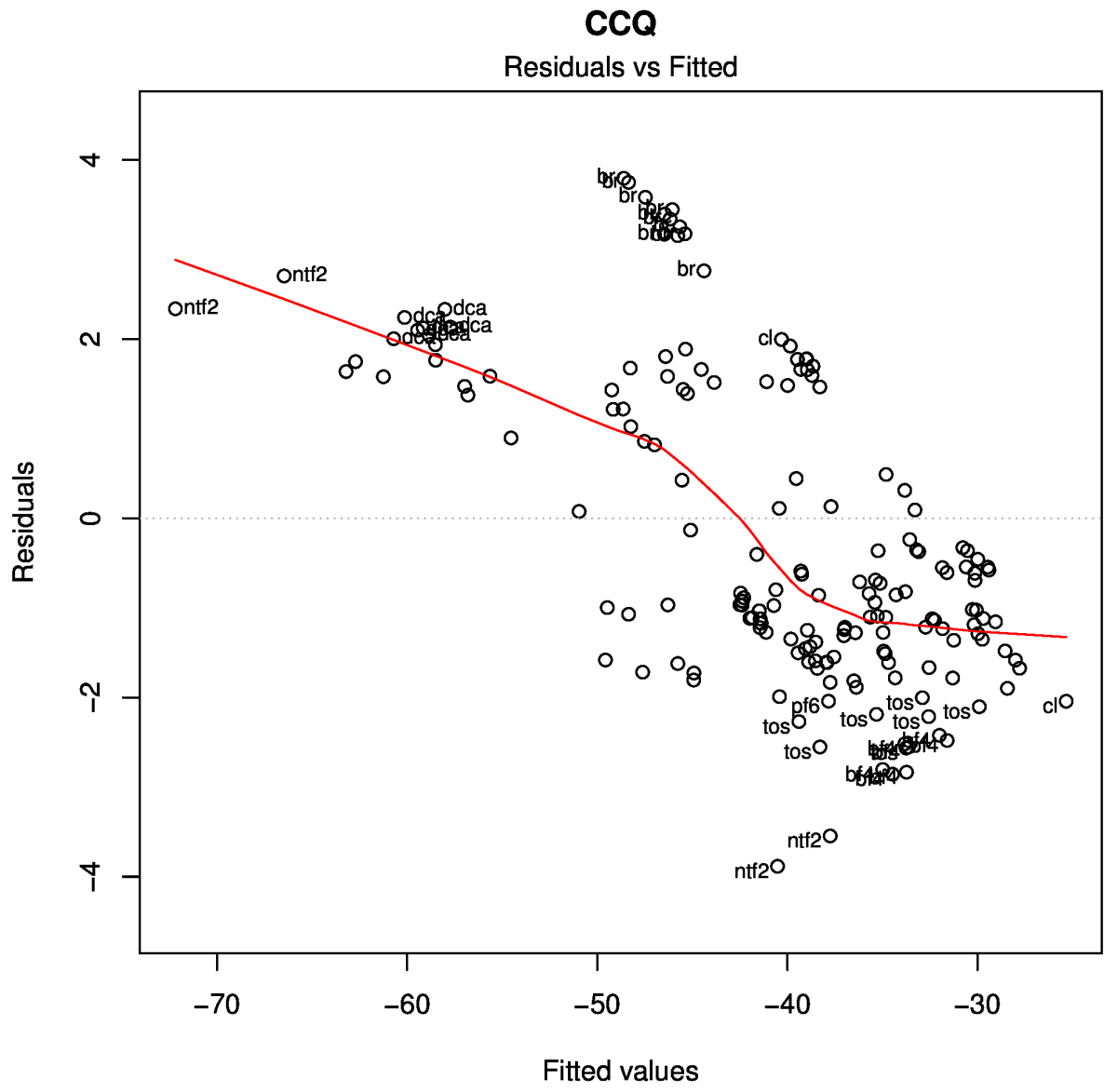


Figure S 121: Residuals vs Fitted values

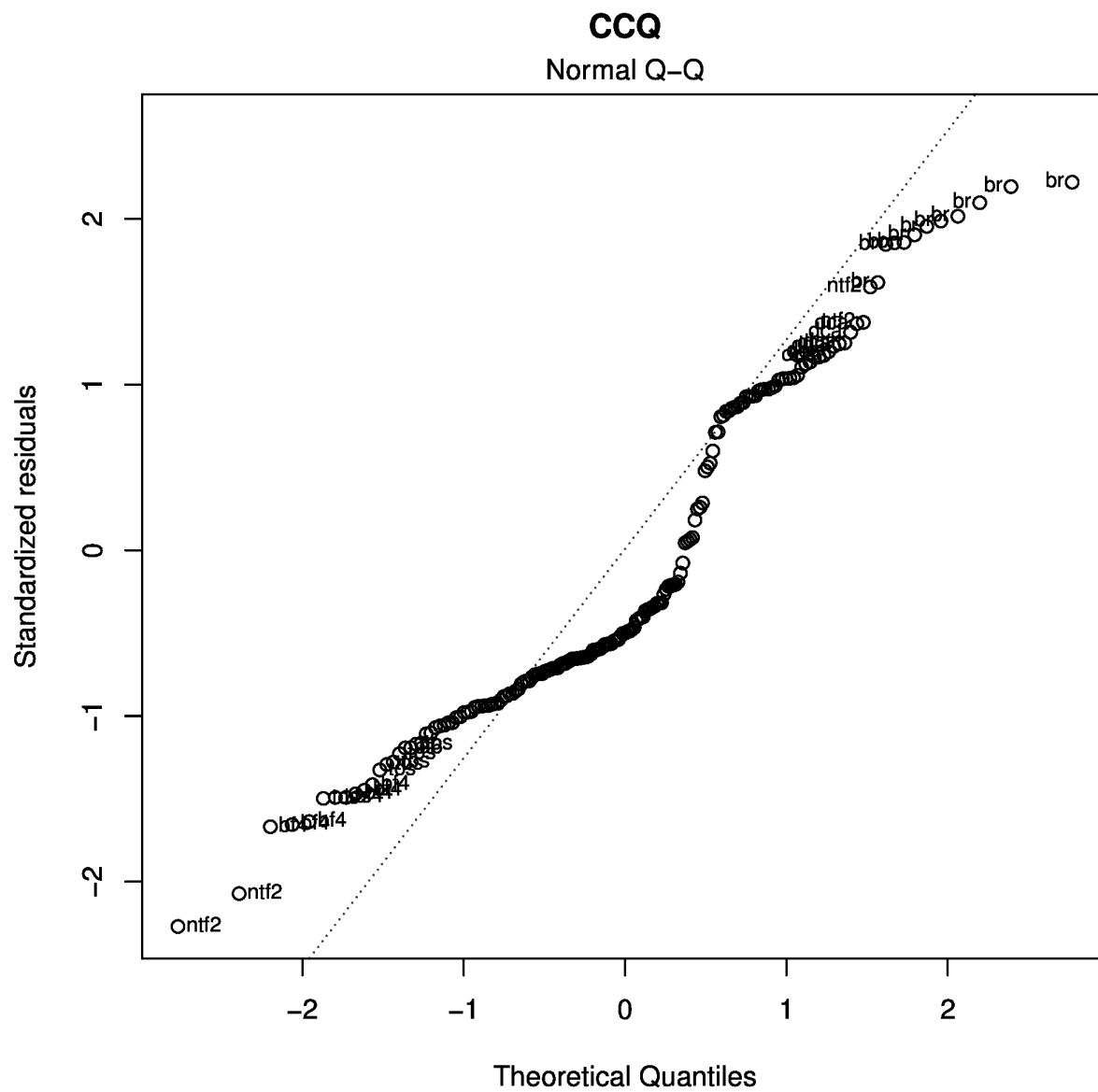


Figure S 122: Q-Q plot

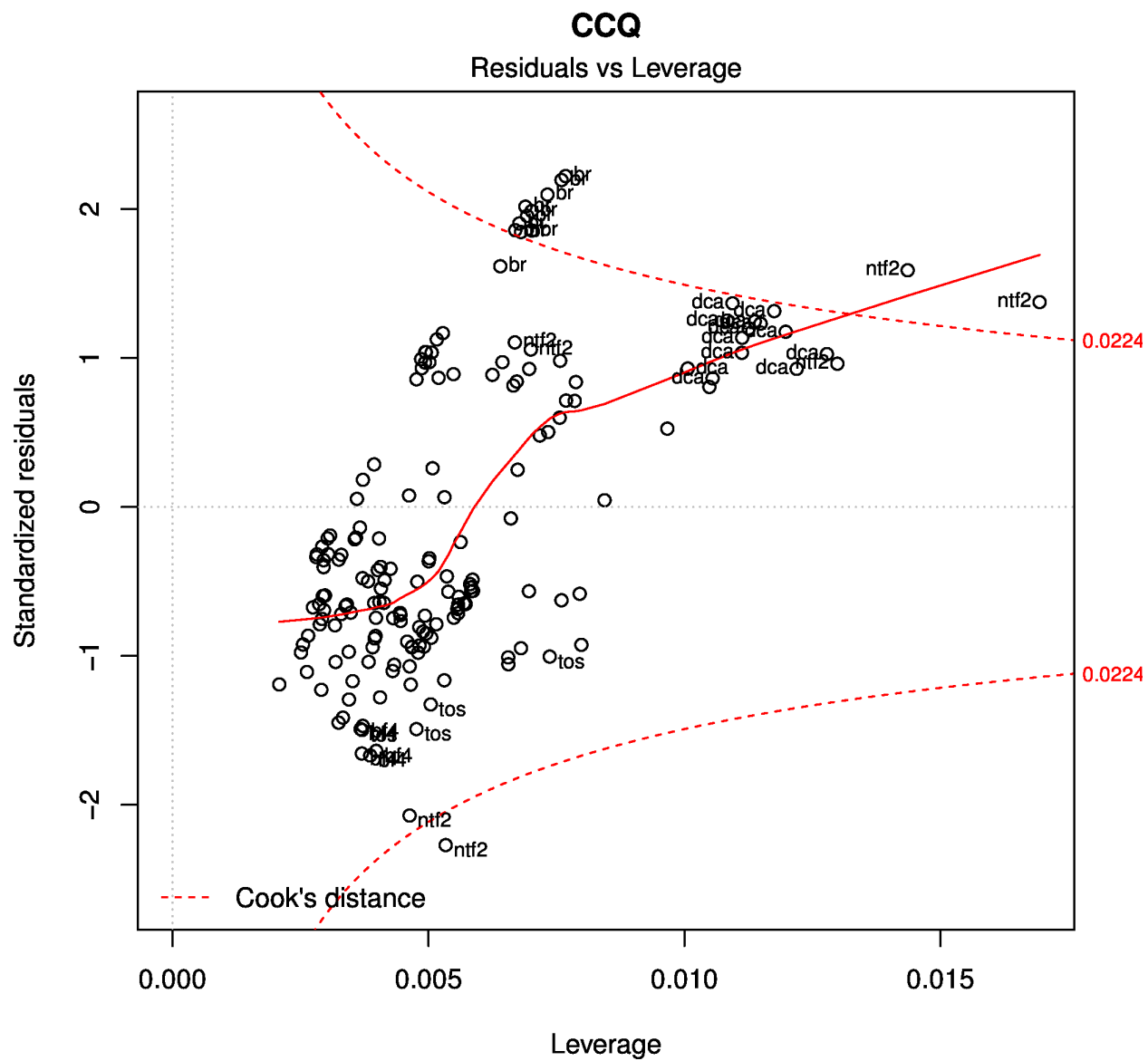


Figure S 124: Residuals vs Leverage plot

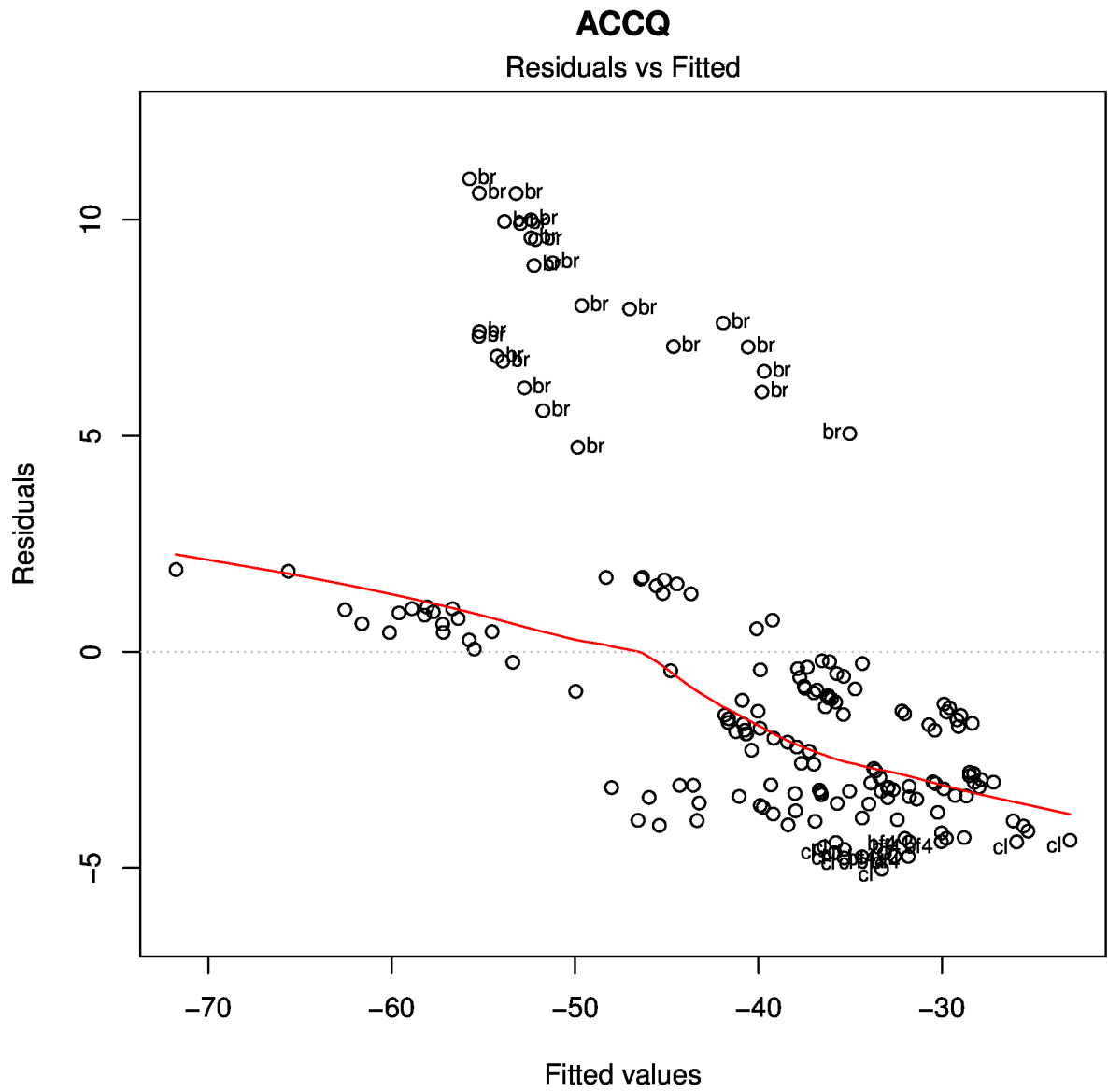


Figure S 125: Residuals vs Fitted values

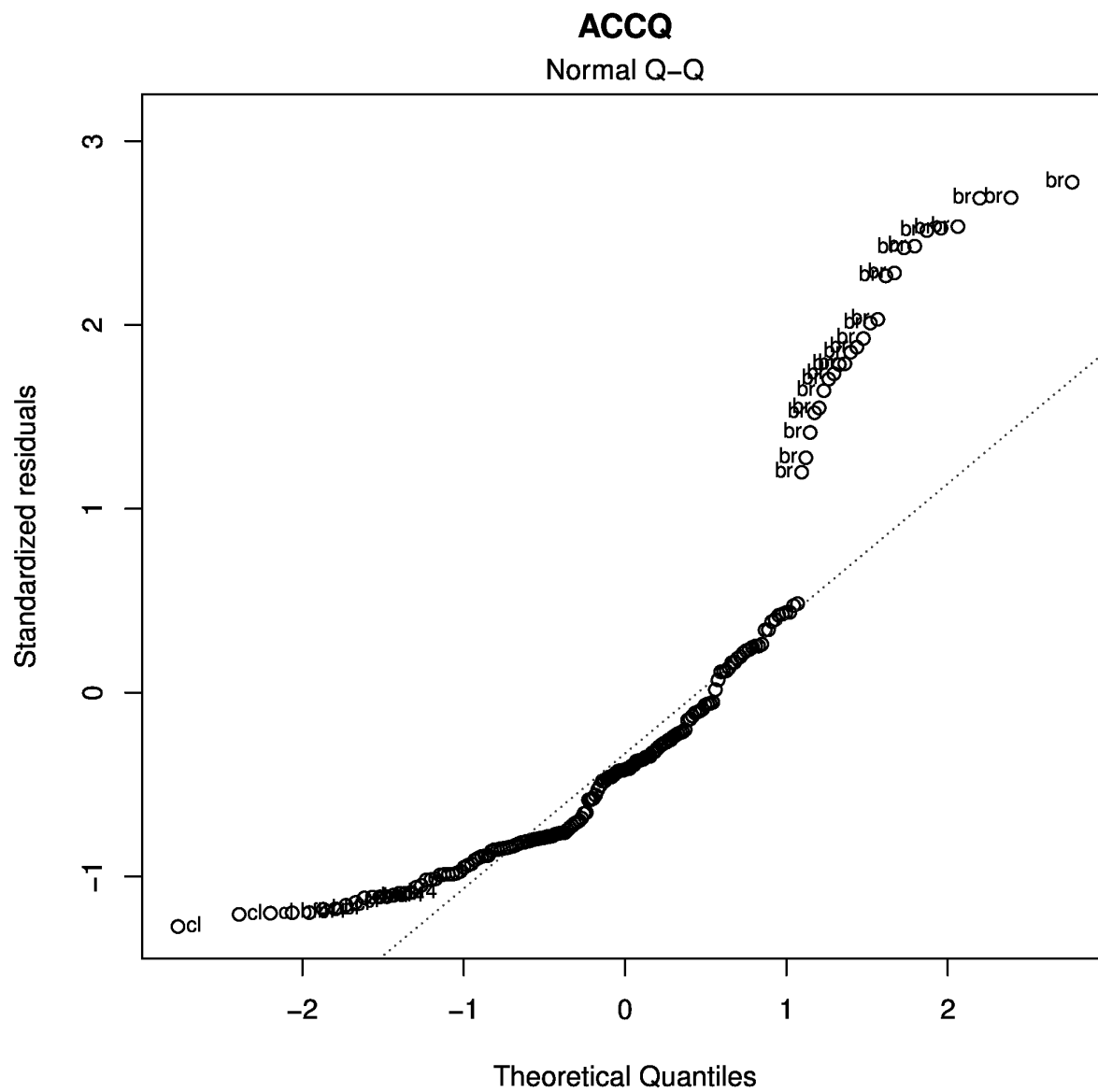


Figure S 126: Q-Q plot

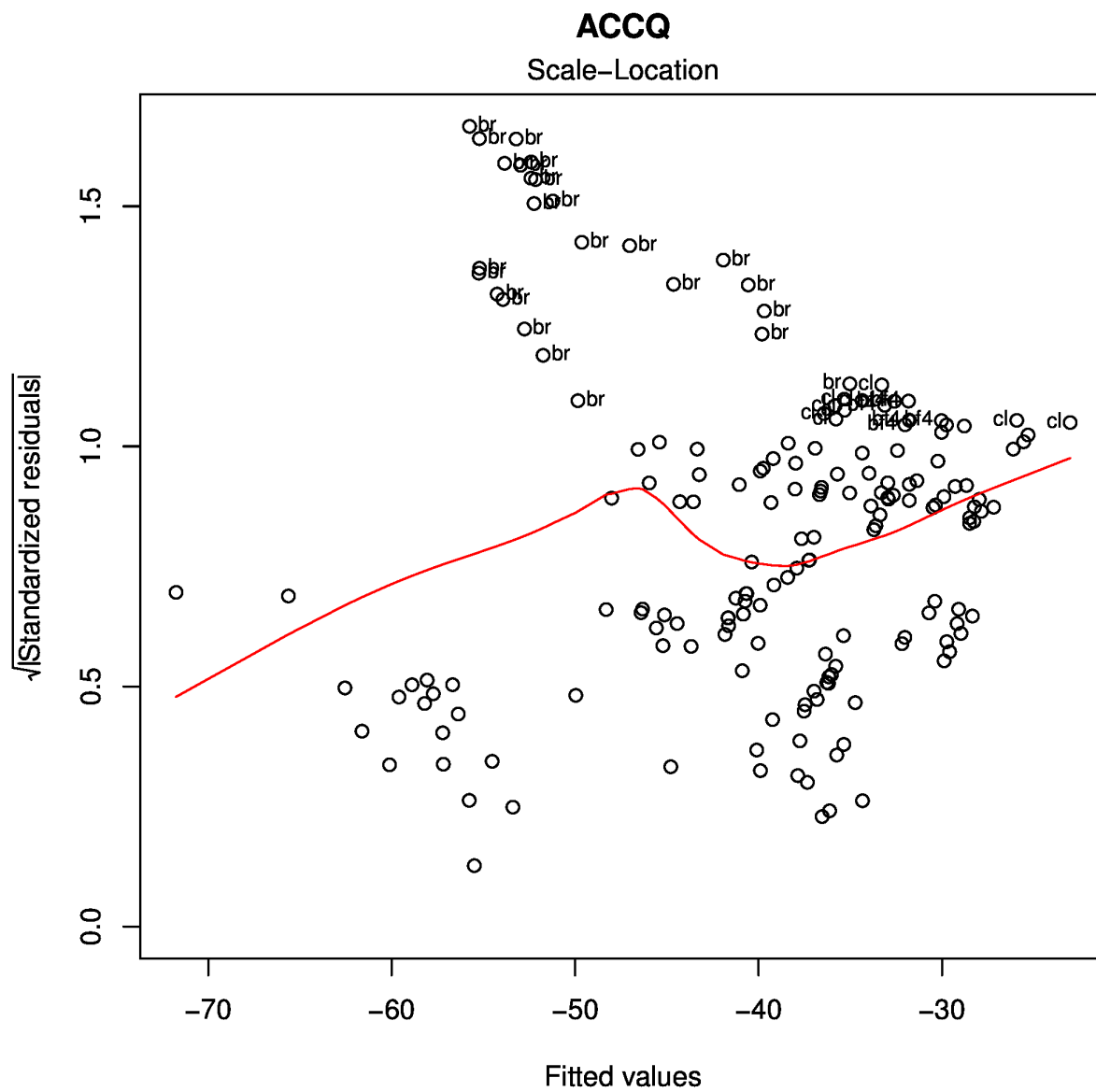


Figure S 127: Scale-Location plot

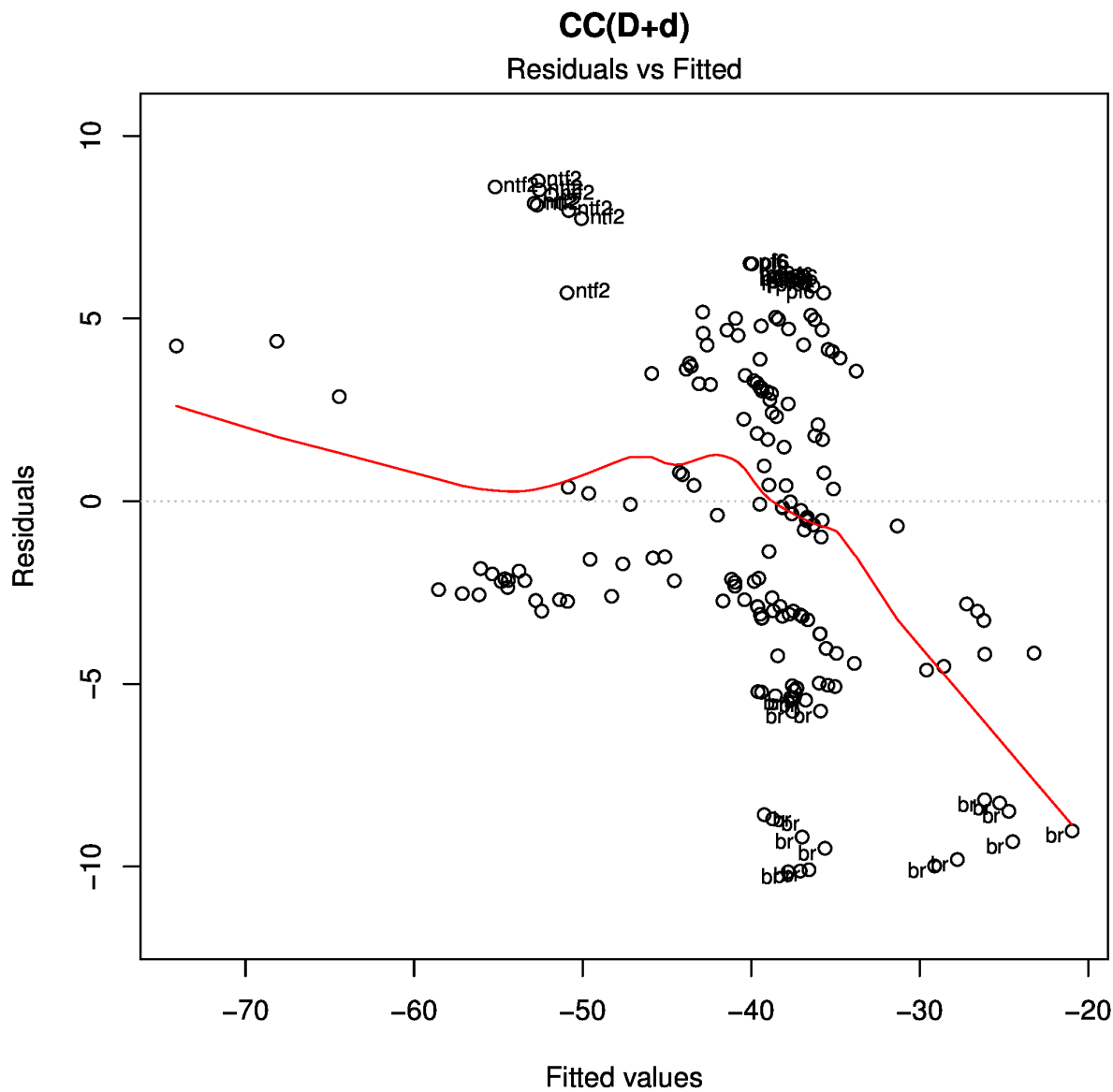


Figure S 129: Residuals vs Fitted values

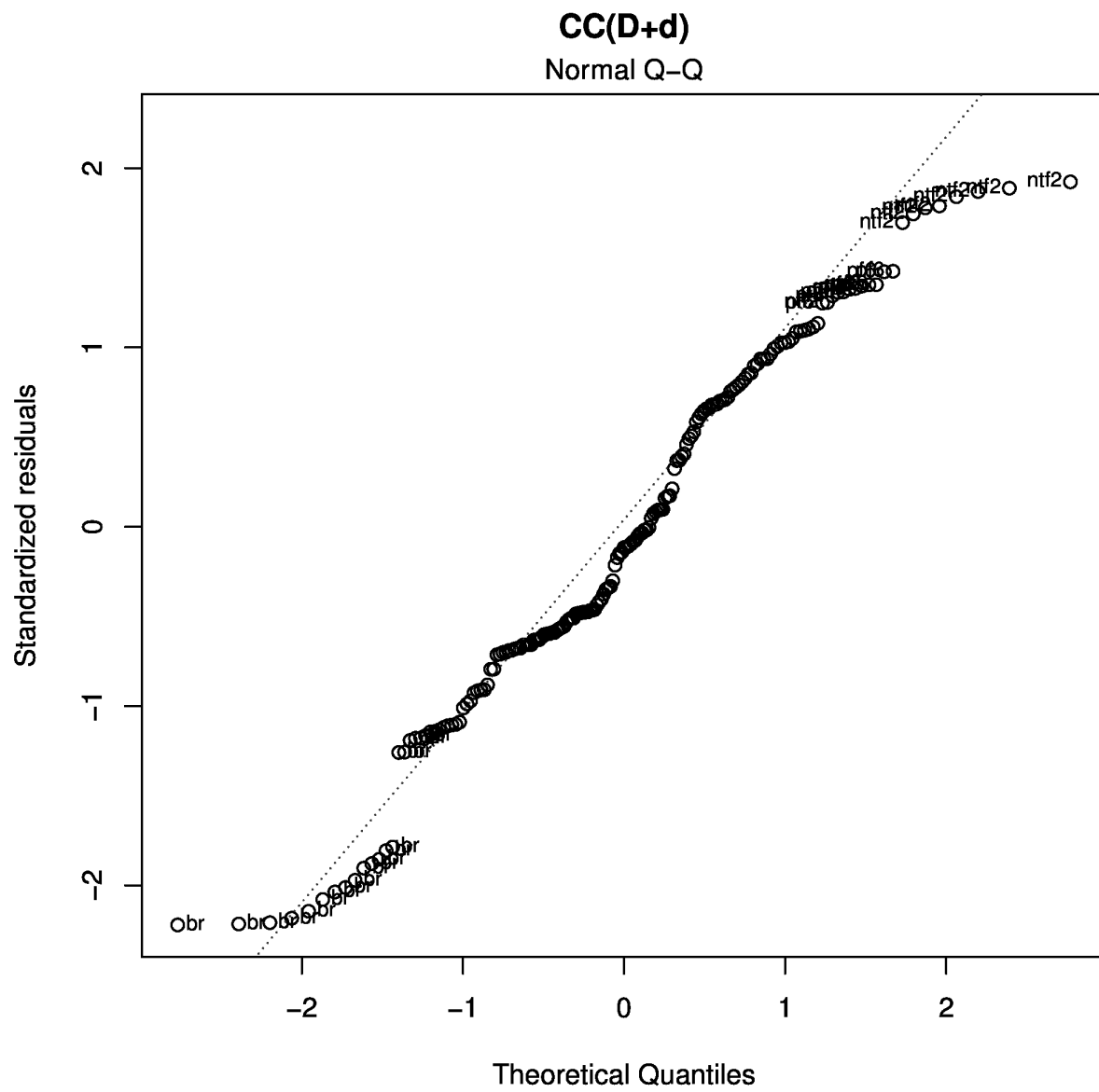


Figure S 130: Q-Q plot

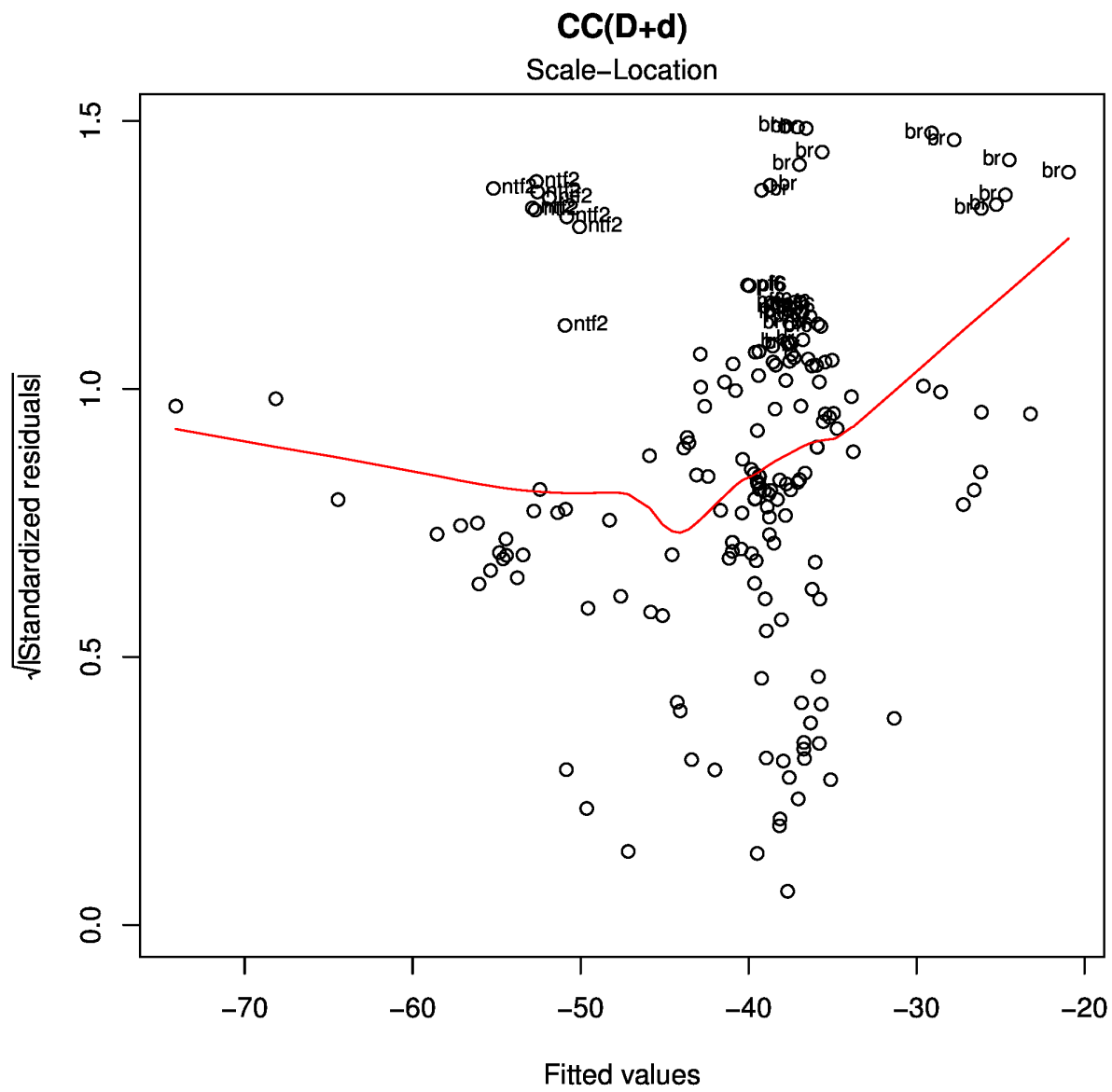


Figure S 131: Scale-Location plot

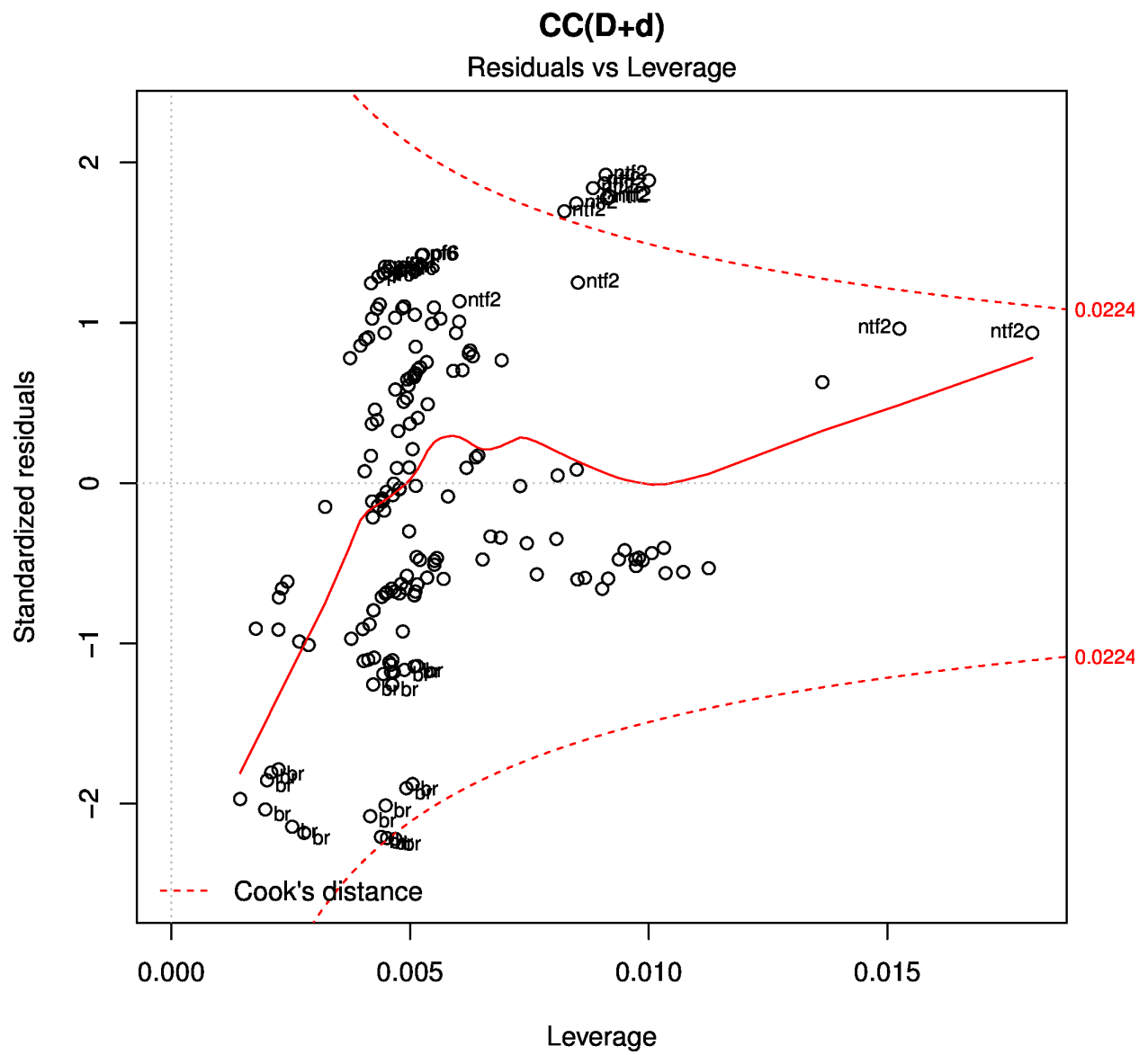


Figure S 132: Residuals vs Leverage plot

3.2.15 ACC(D+d) basis set

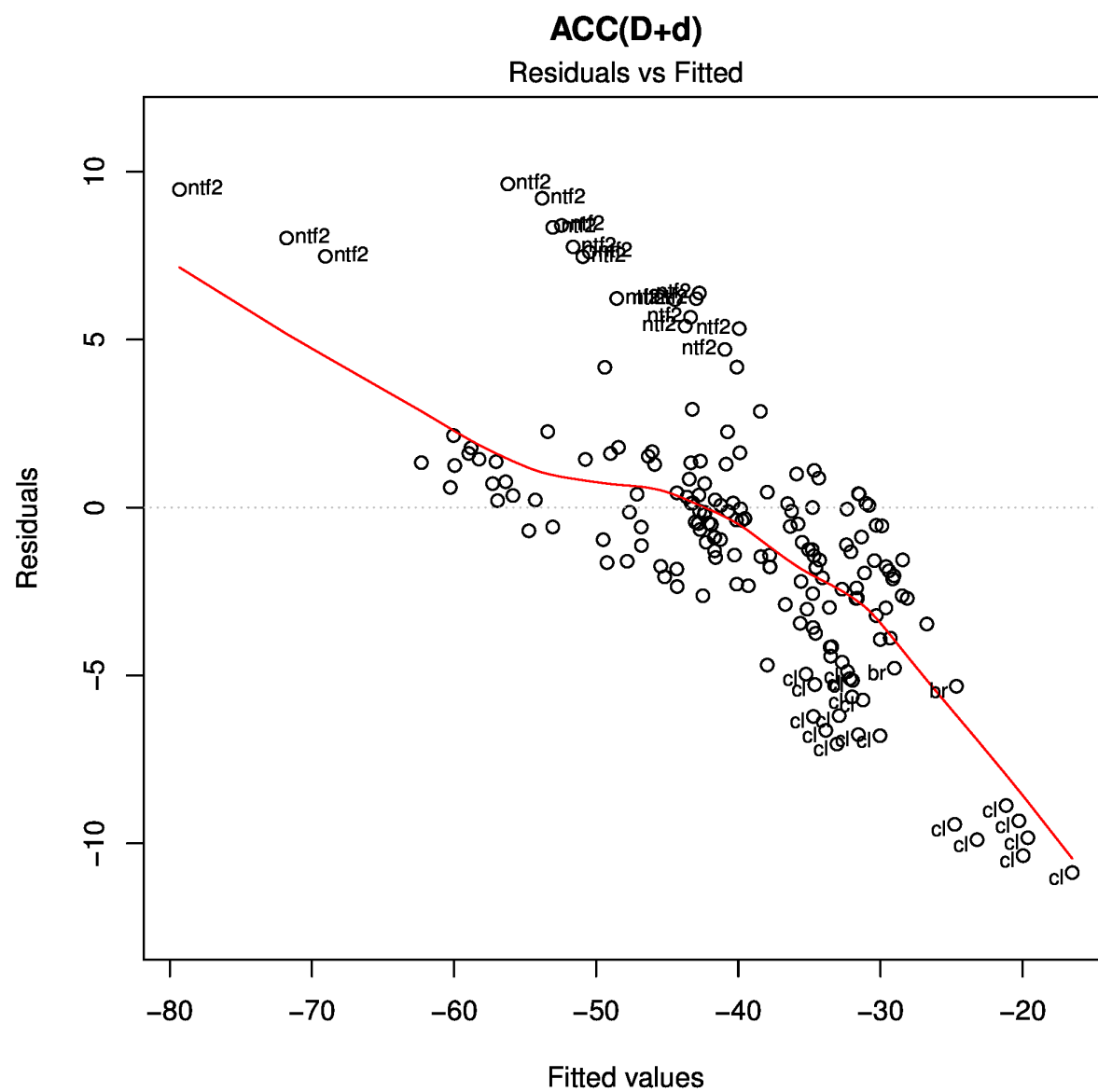


Figure S 133: Residuals vs Fitted values

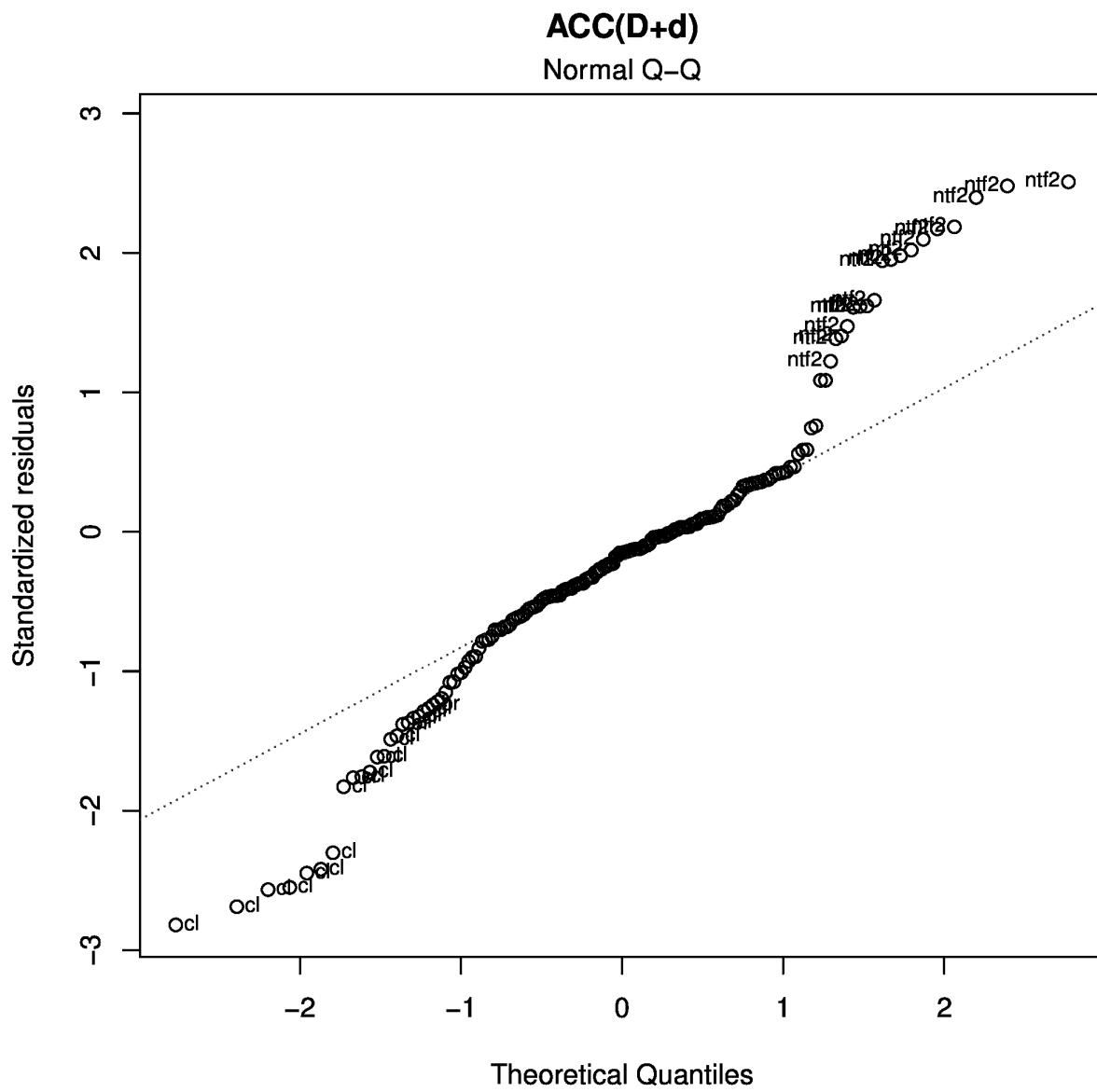


Figure S 134: Q-Q plot

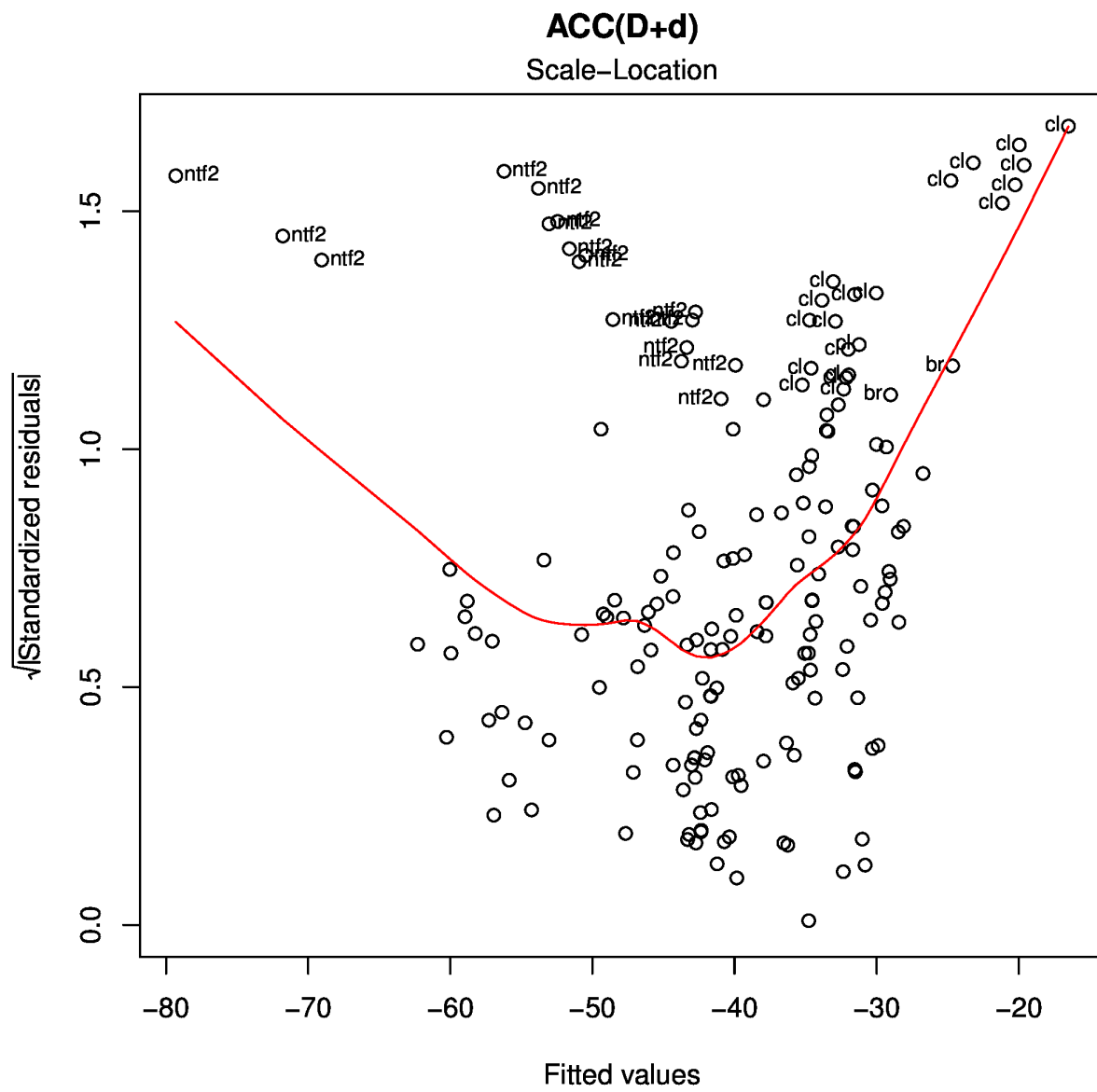


Figure S 135: Scale-Location plot

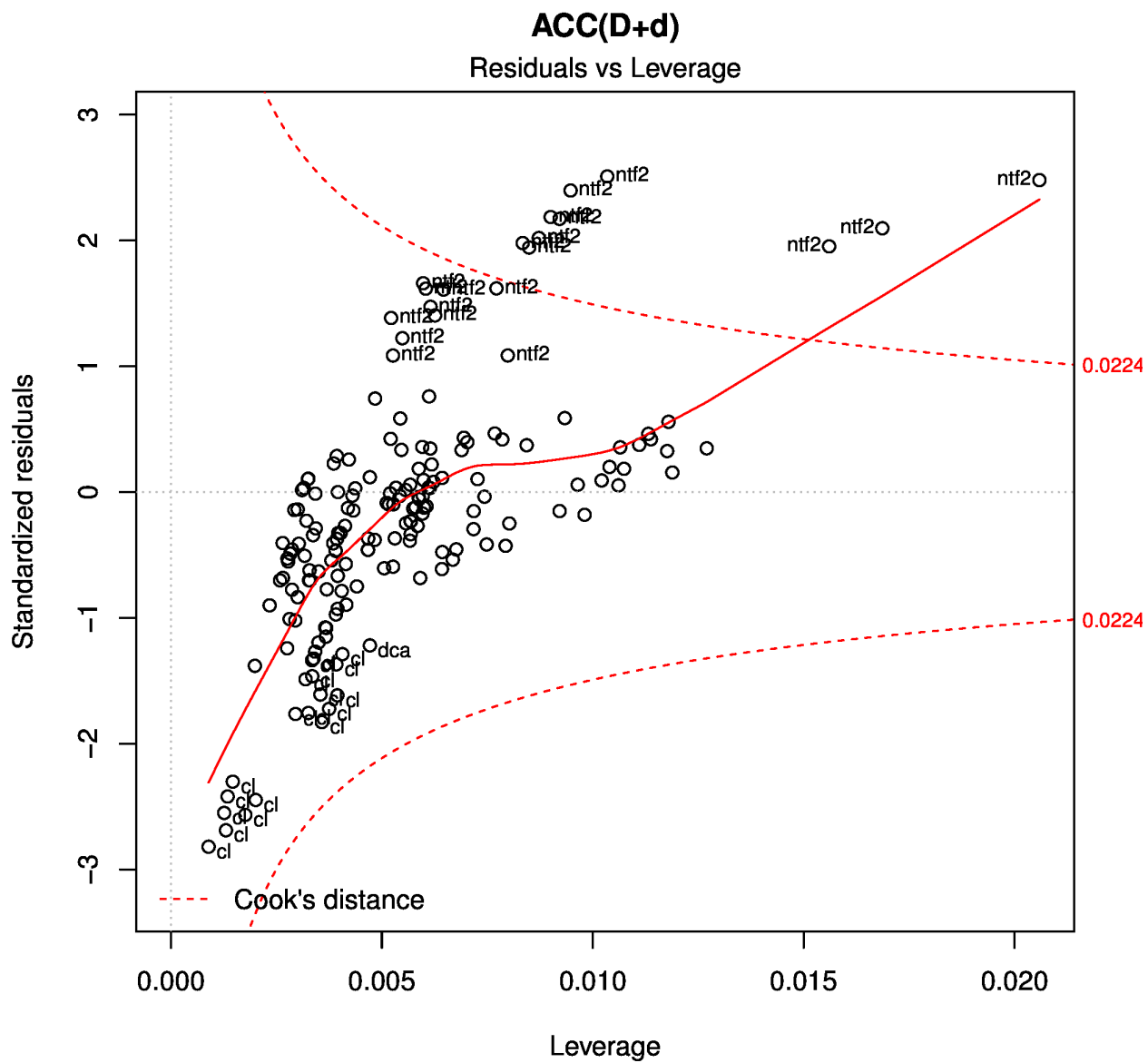


Figure S 136: Residuals vs Leverage plot

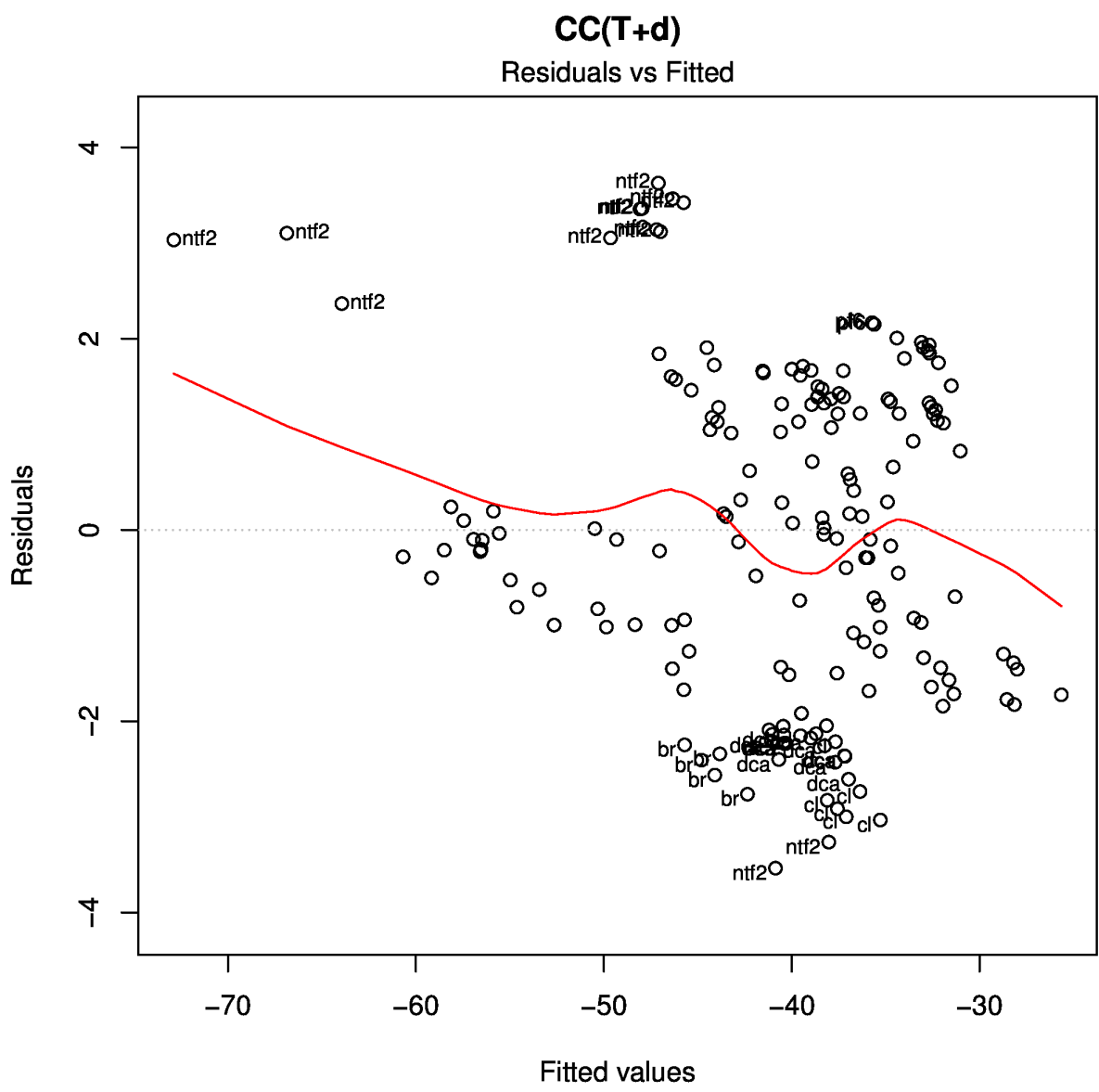


Figure S 137: Residuals vs Fitted values

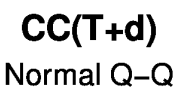


Figure S 138: Q-Q plot

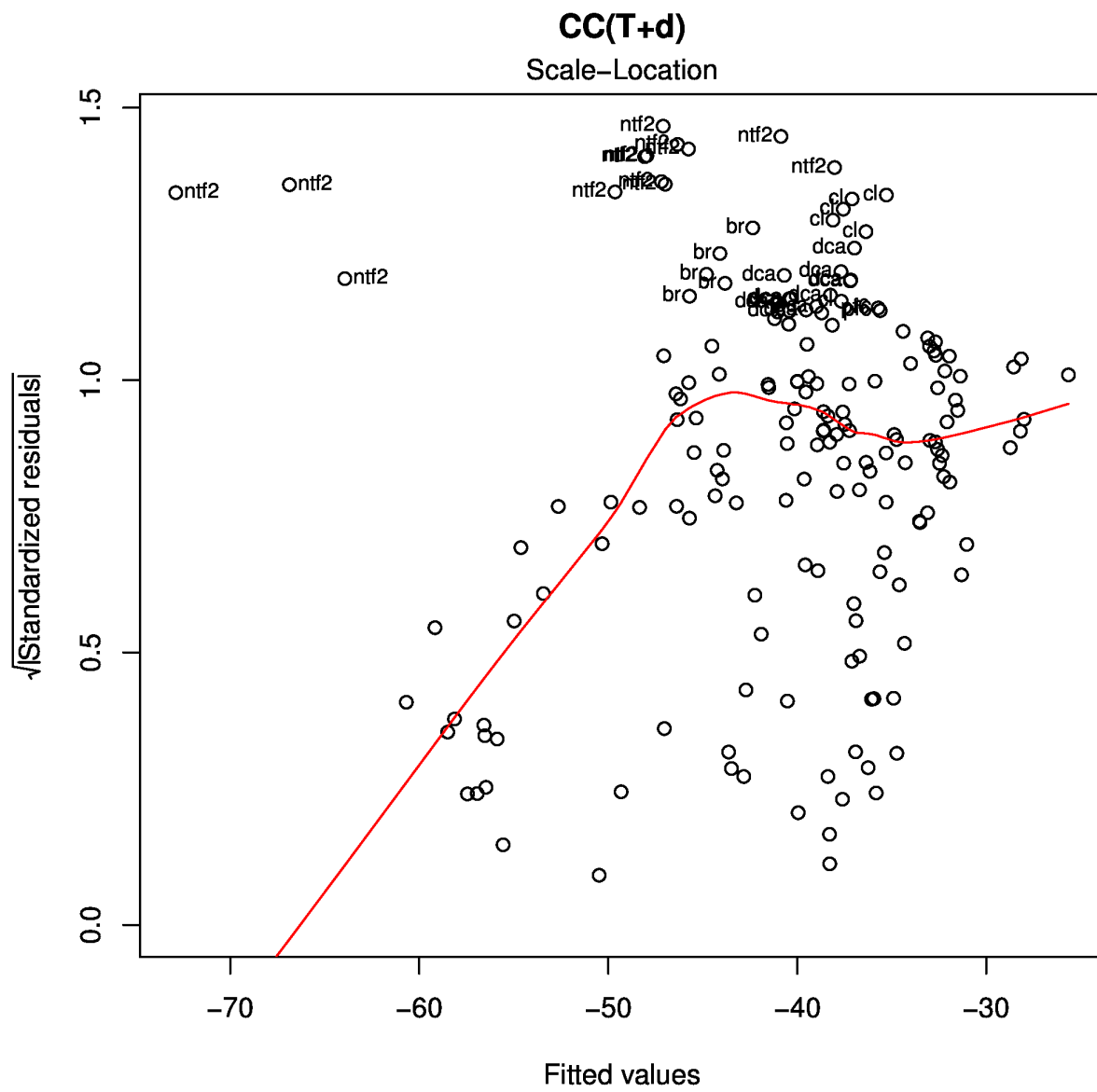


Figure S 139: Scale-Location plot

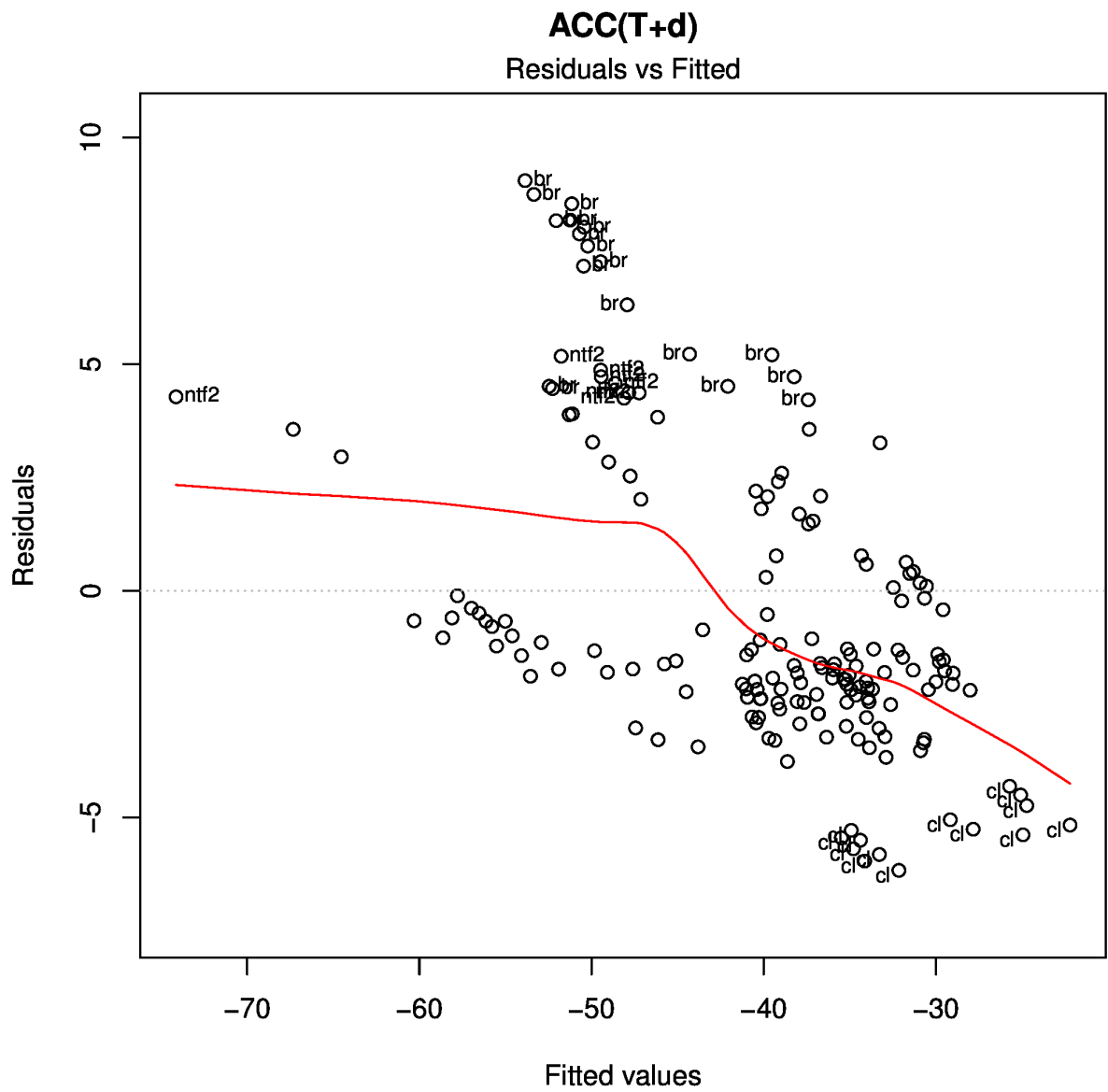


Figure S 141: Residuals vs Fitted values

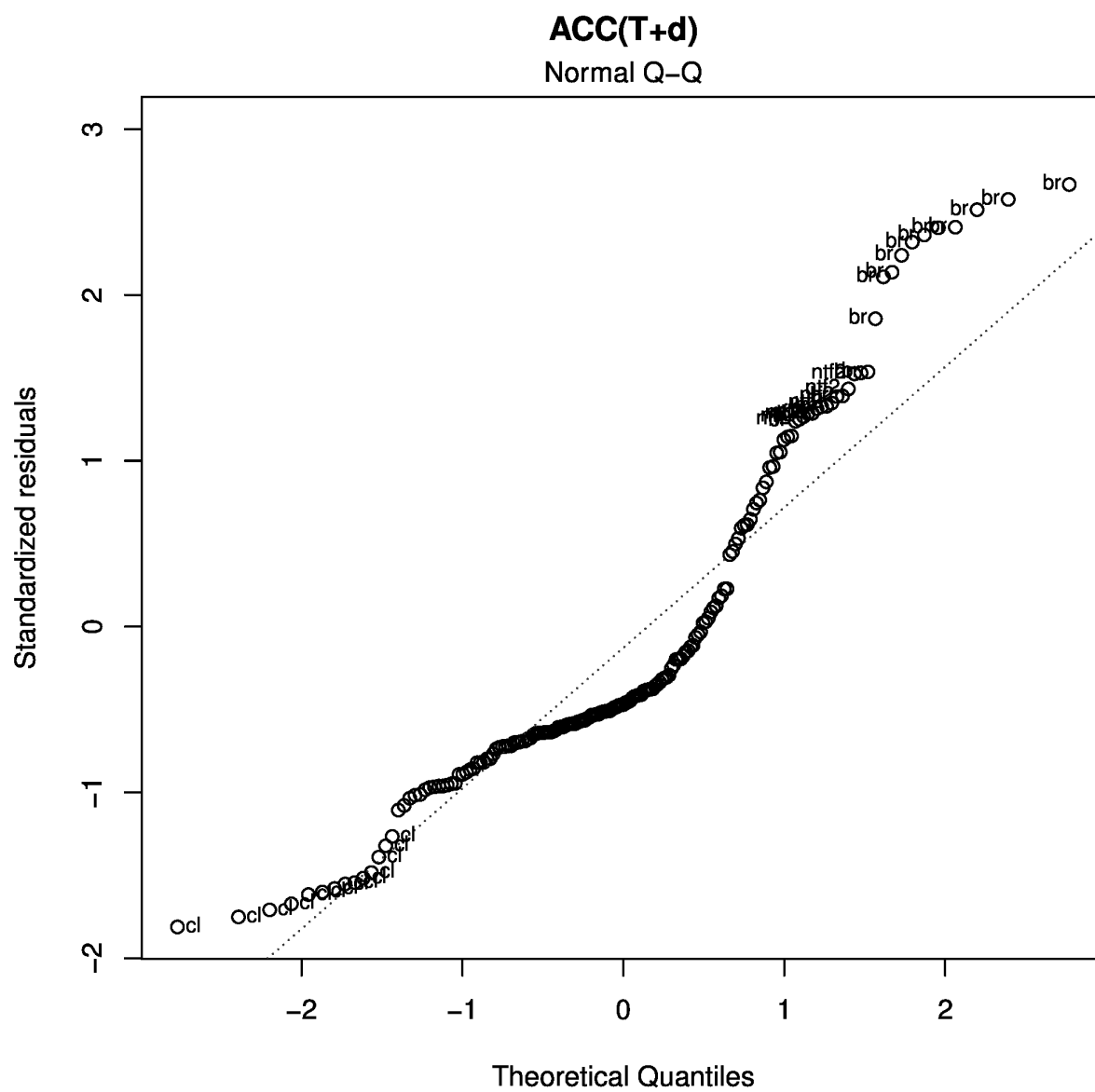


Figure S 142: Q-Q plot

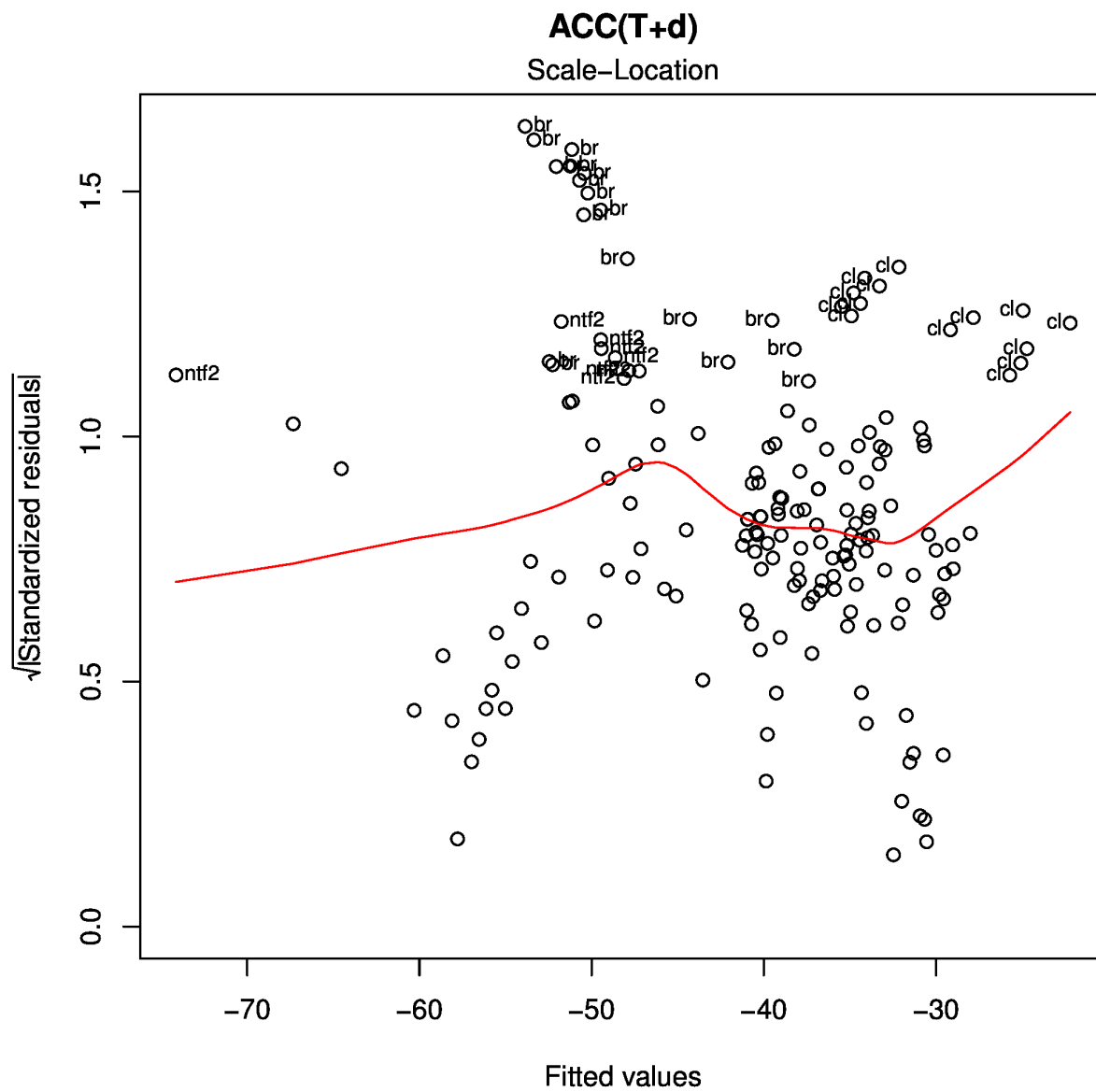


Figure S 143: Scale-Location plot

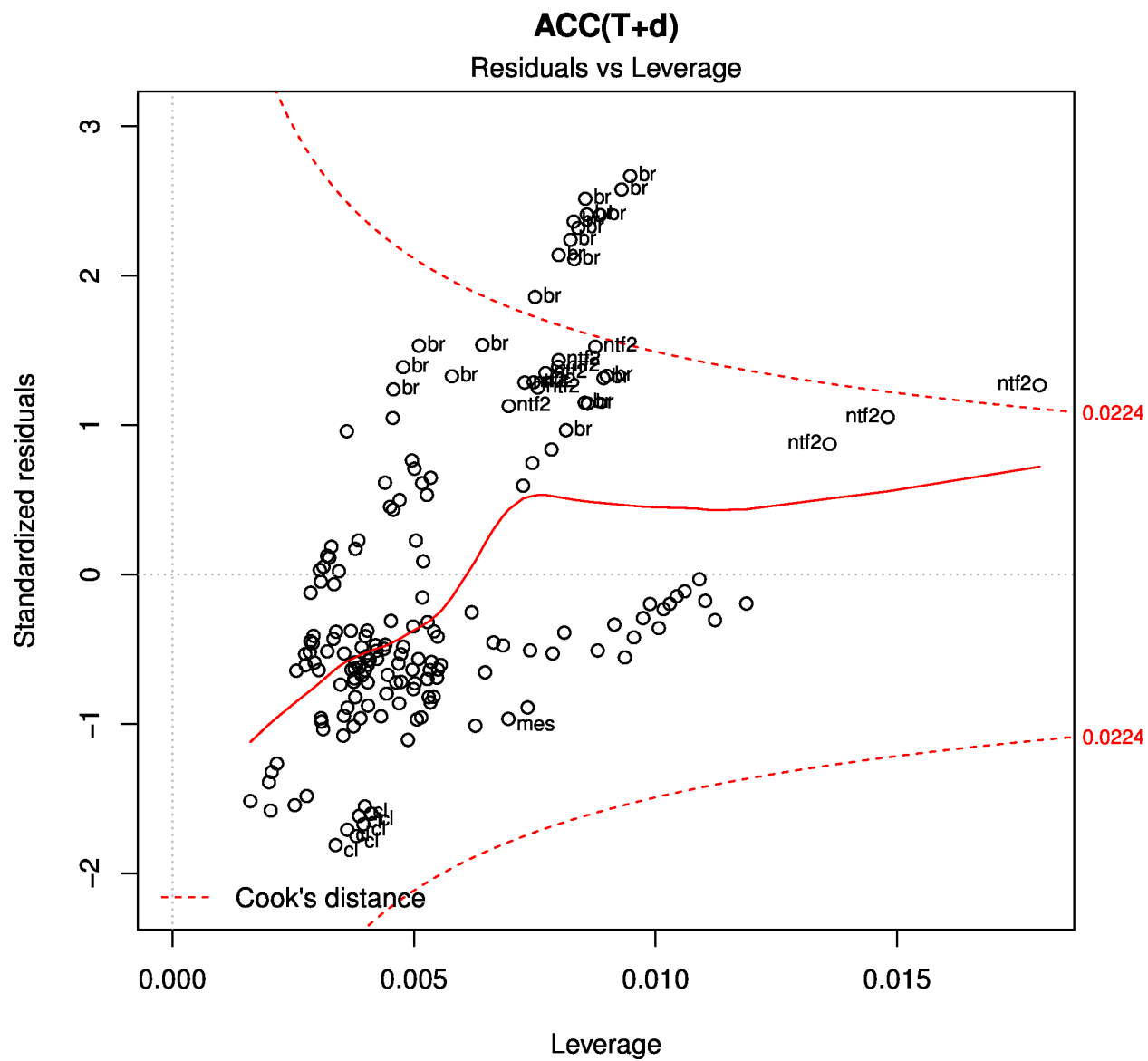


Figure S 144: Residuals vs Leverage plot

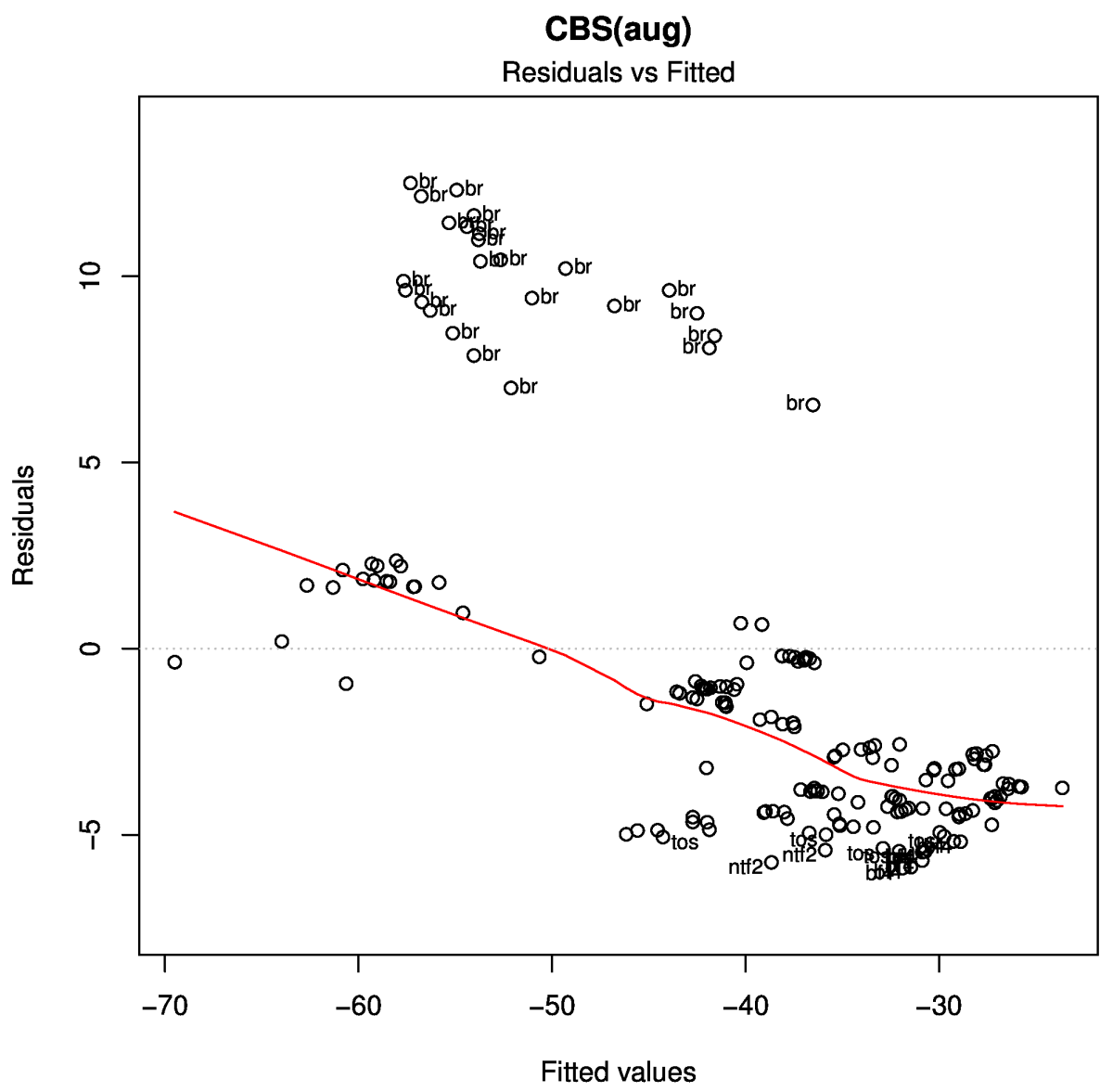


Figure S 145: Residuals vs Fitted values

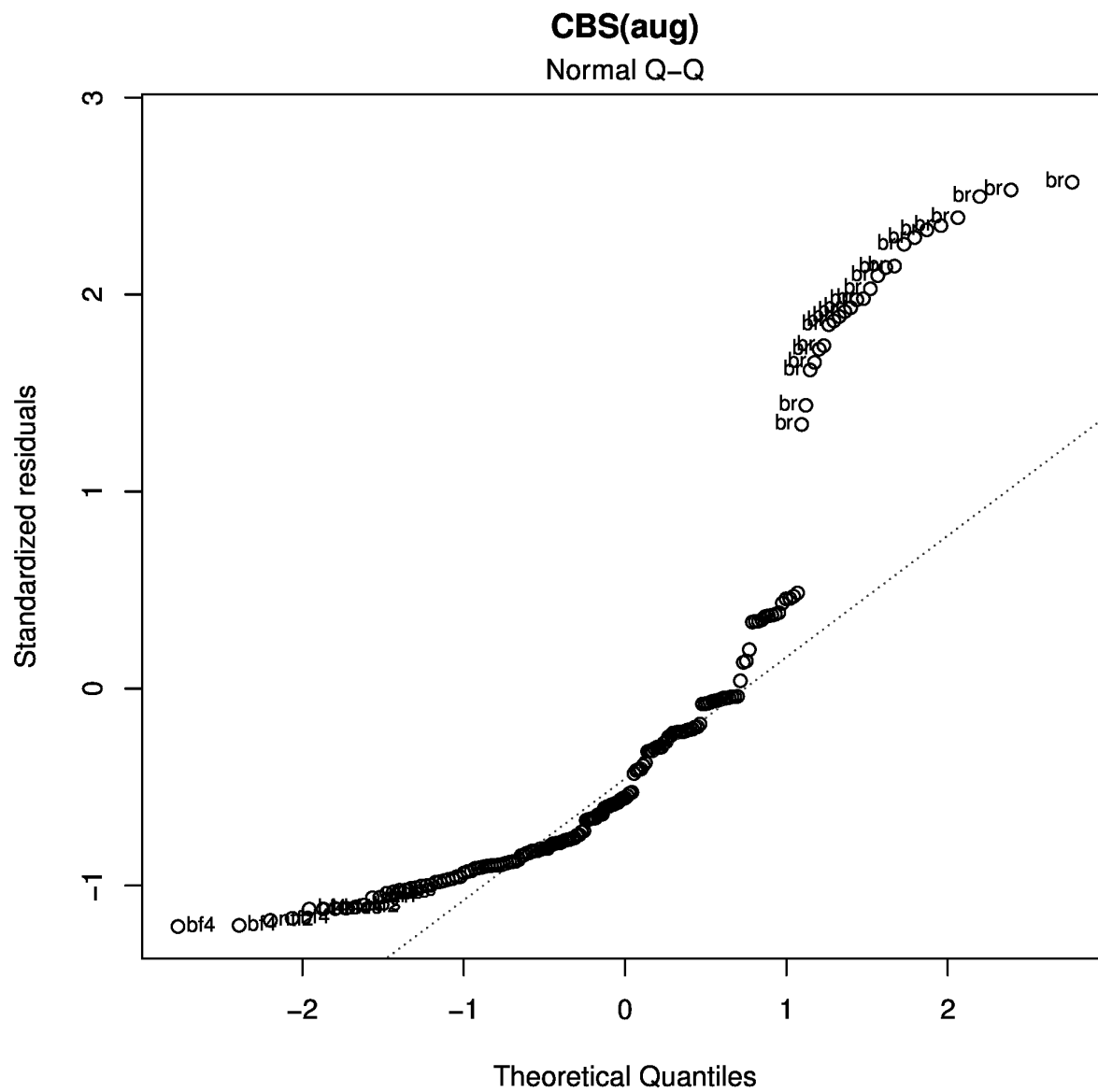


Figure S 146: Q-Q plot

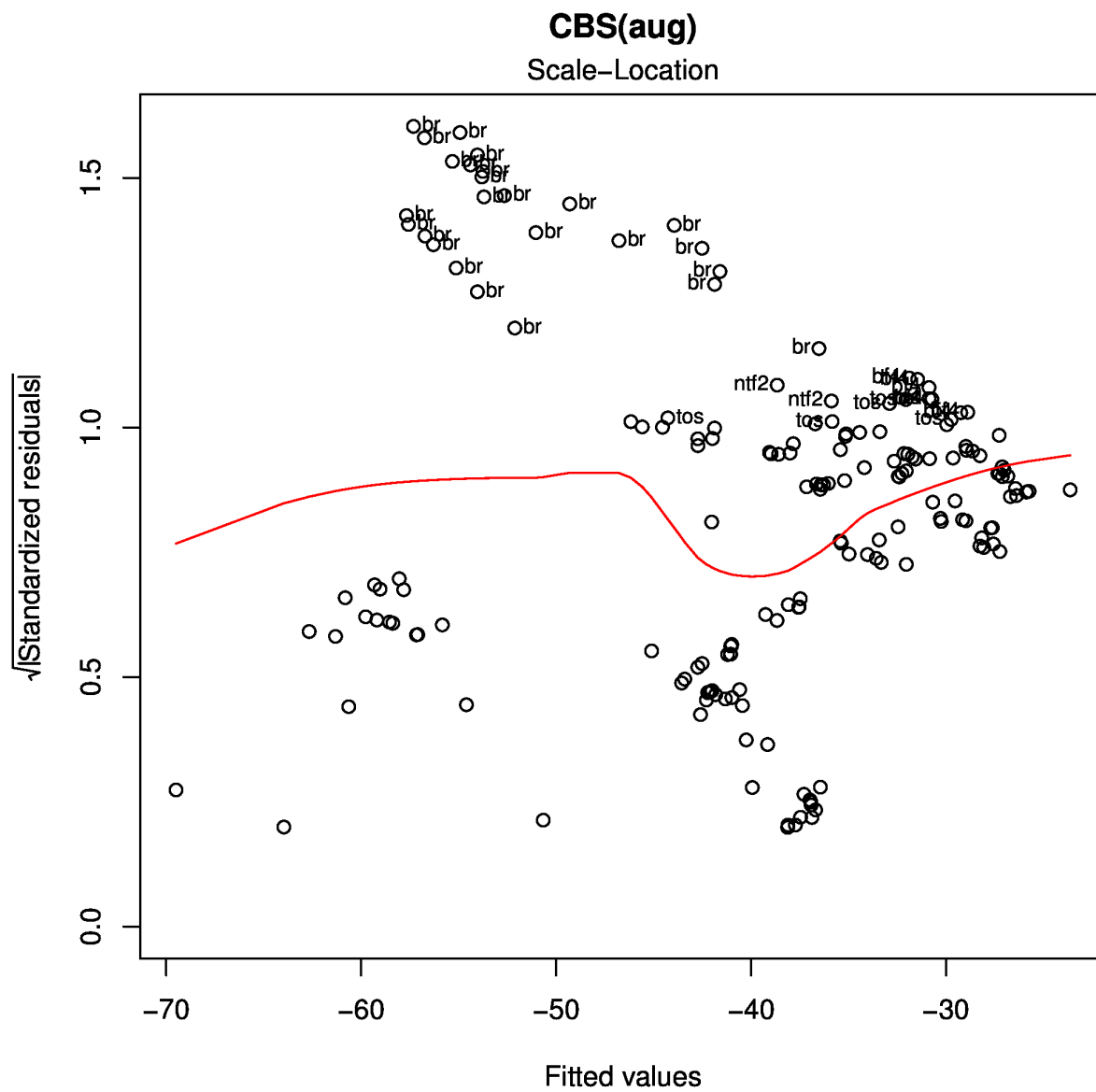


Figure S 147: Scale-Location plot

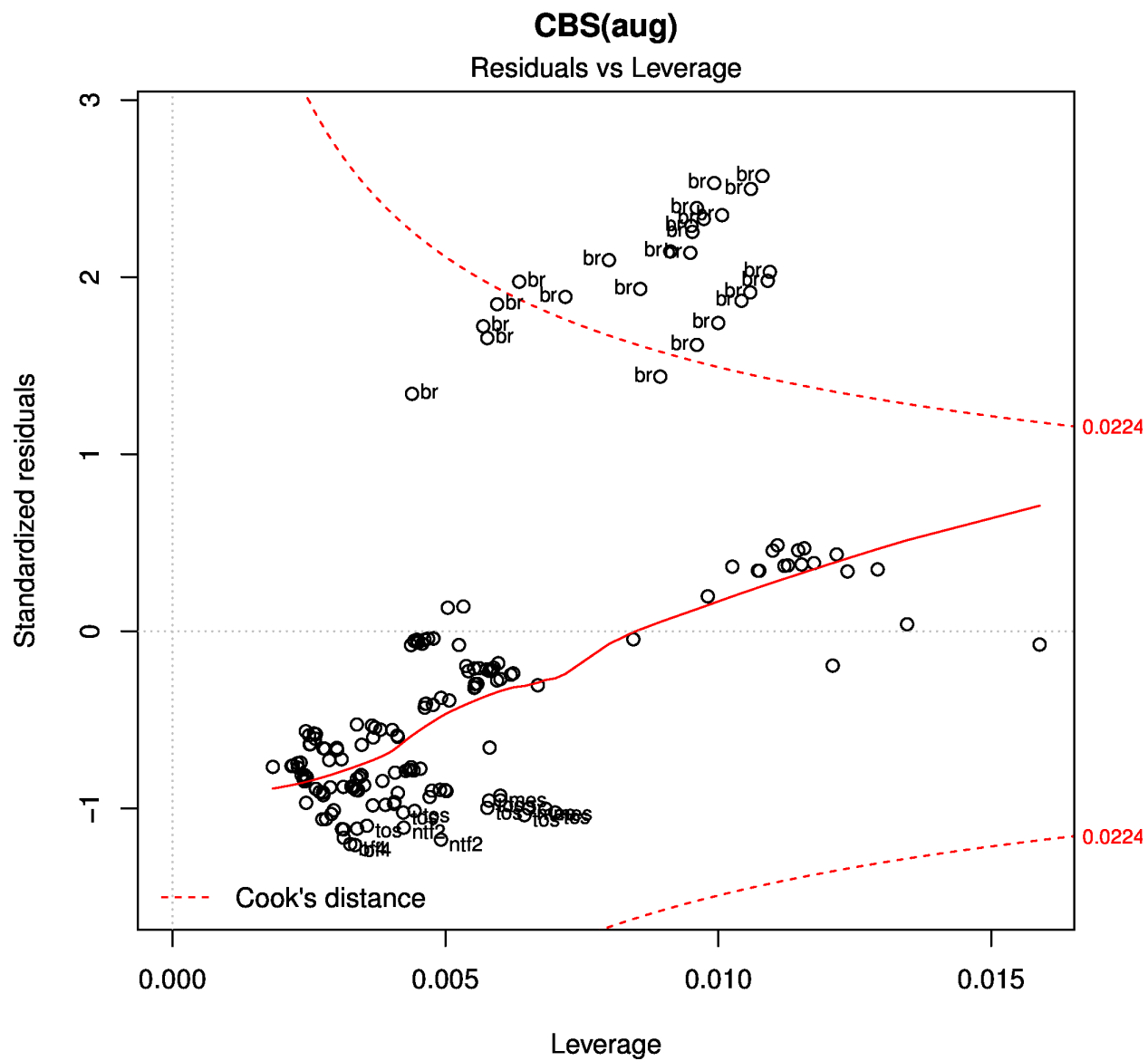


Figure S 148: Residuals vs Leverage plot

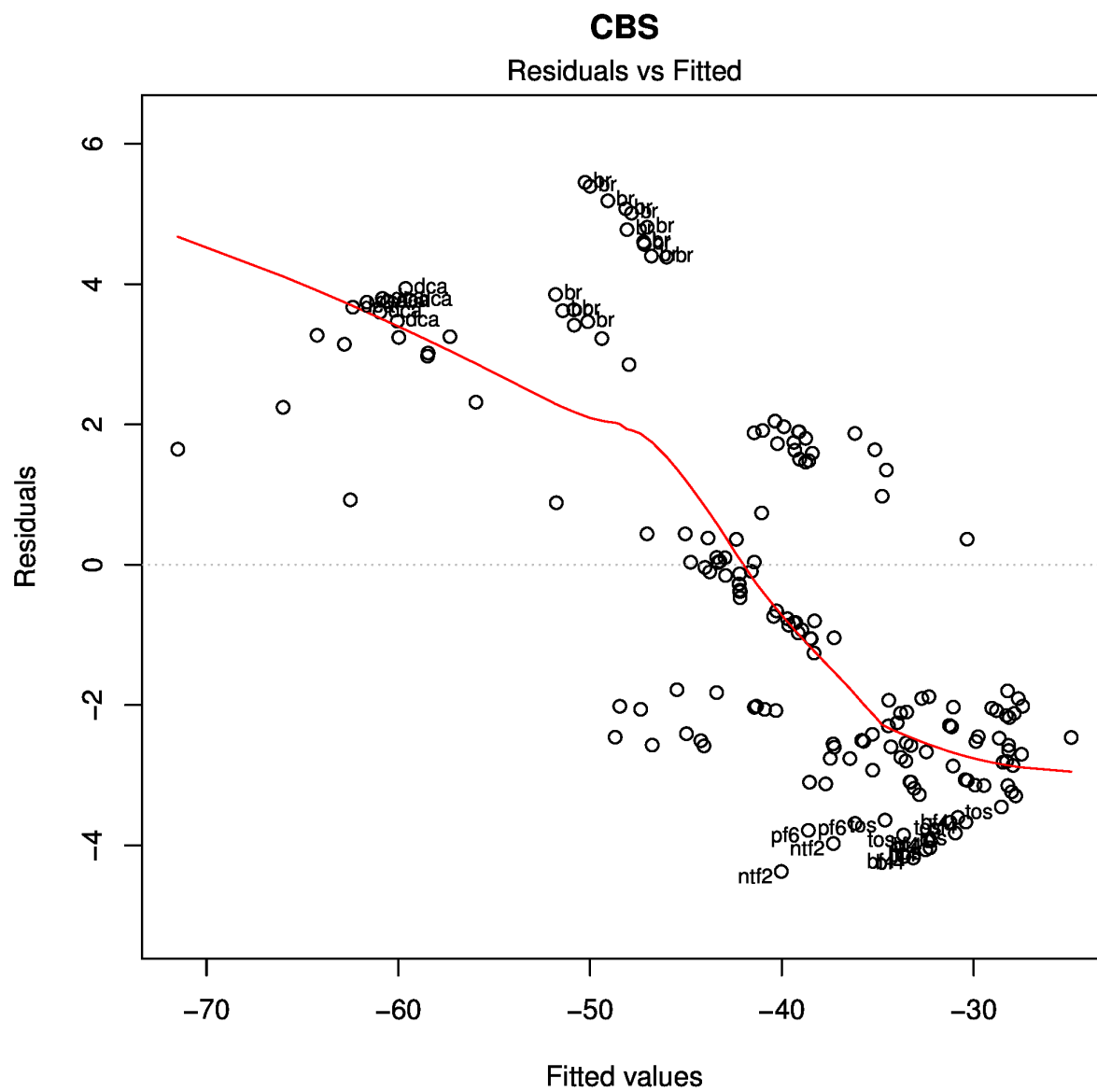


Figure S 149: Residuals vs Fitted values

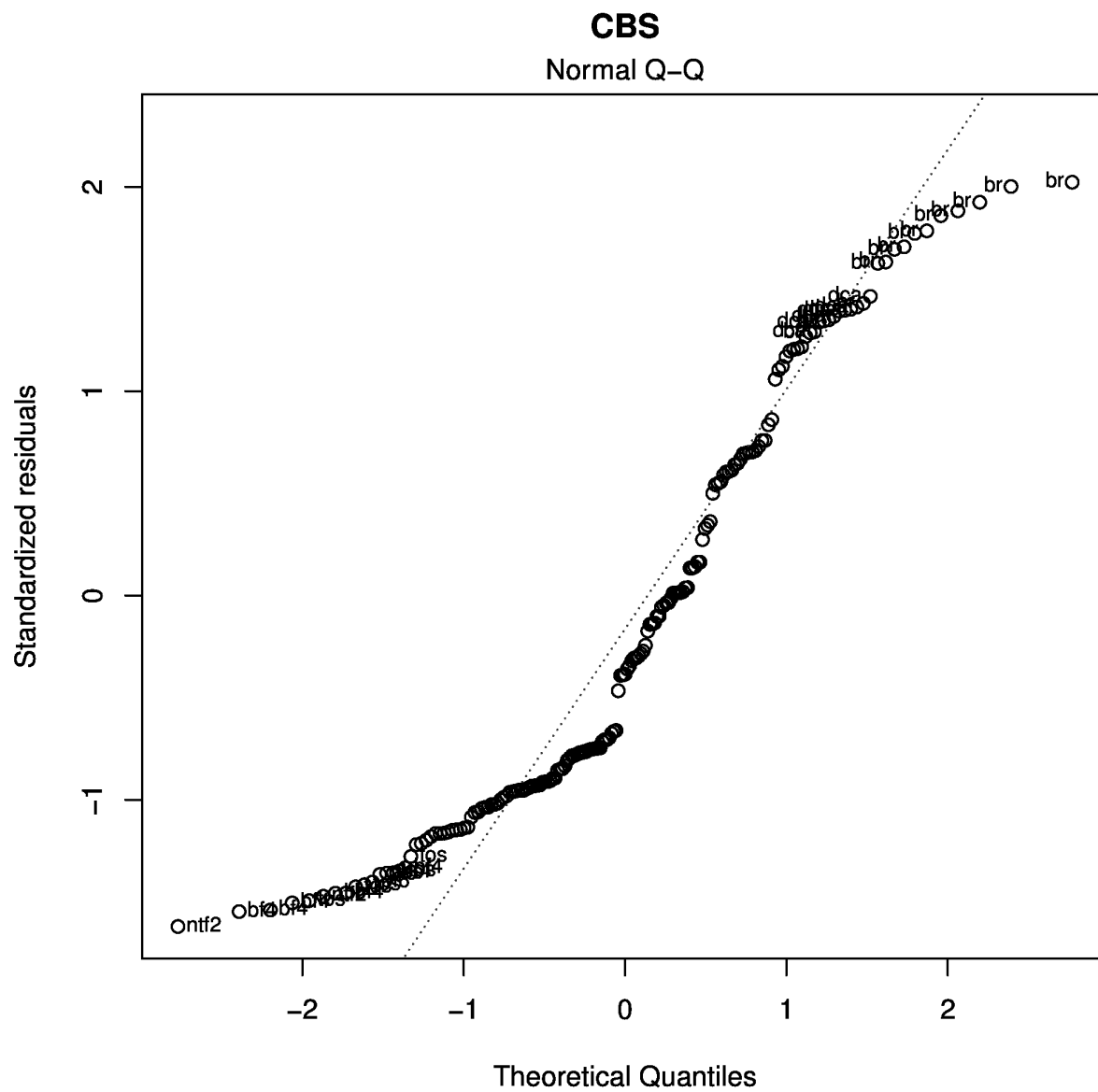


Figure S 150: Q-Q plot

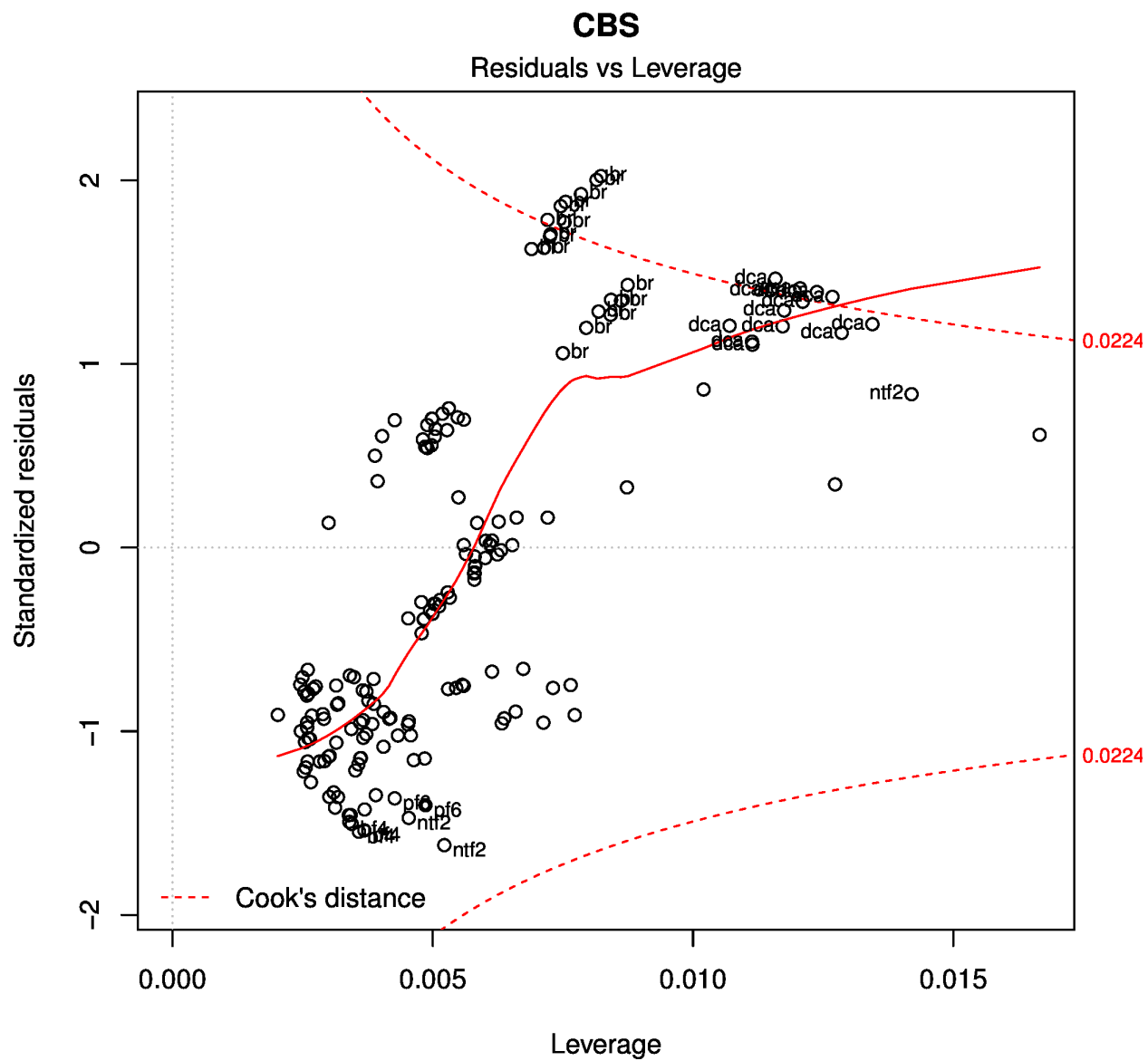


Figure S 152: Residuals vs Leverage plot