

Supplemental Data Set S4

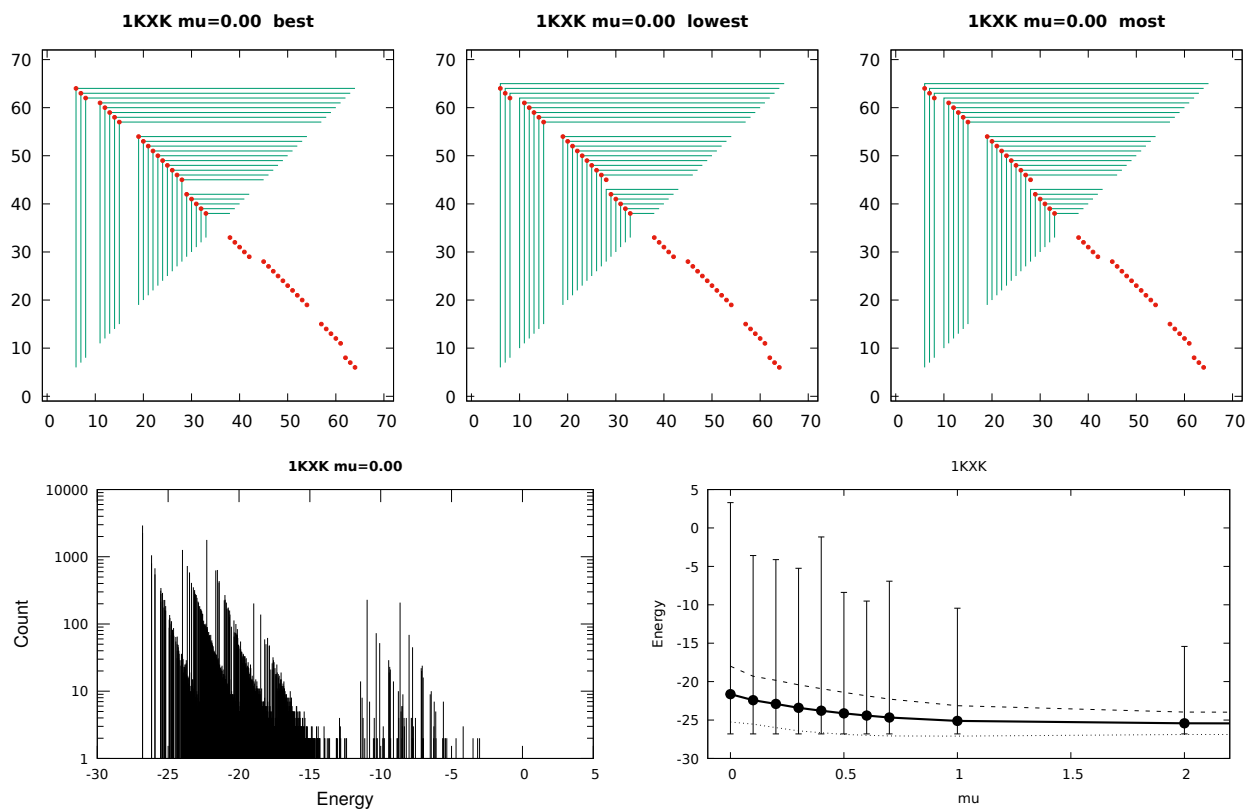
Fold prediction data for the first one-third of the target sequences in the Rfam test set in Table 6. All numerical values and three structures of relevance are included along with energy spectrum and ensemble energy profile as a function of the chemical potential.

1KXX

GUCUACCUAU CGGGCUAAGG AGCCGUAUGC GAUGAAAGUC GCACGUACGG UUCUAUGCCC
GGGGGAAAAC

mu: 0 mean energy: -21.6296 variance: 13.1897

lowest: -26.807669 most probable(4.873%): -26.807669 best match: -25.294336

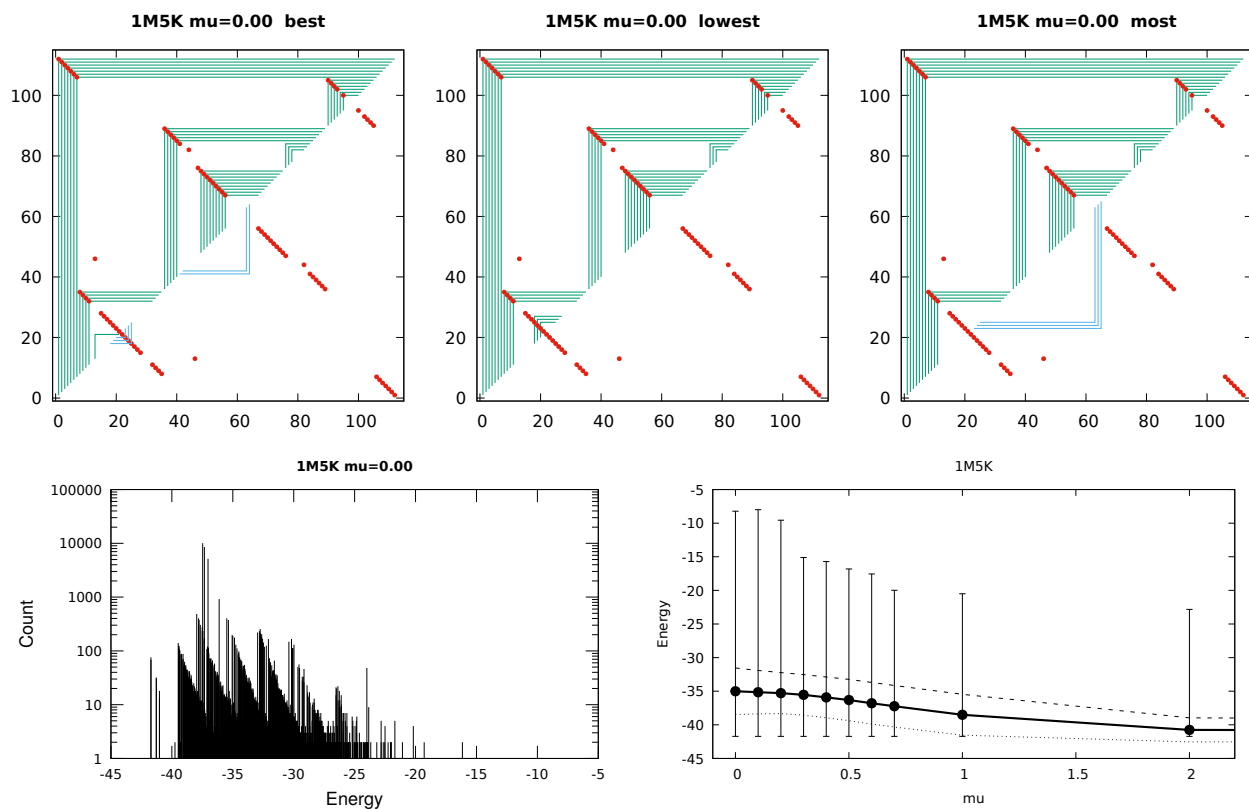


1M5K

GGCCACCUGA CXGUCCXCUC CXGAGAGAGA AGUCAACCAG AGAAACACAC CAACCCAUUG
CACUCCGGGU UGGUGGUAUA UUACCUGGUA CGGGGGAAAC UUCGUGGUGG CCG

mu: 0 mean energy: -35.0059 variance: 11.9853

lowest: -41.719504 most probable(16.715%): -37.470208 best match: -35.309695

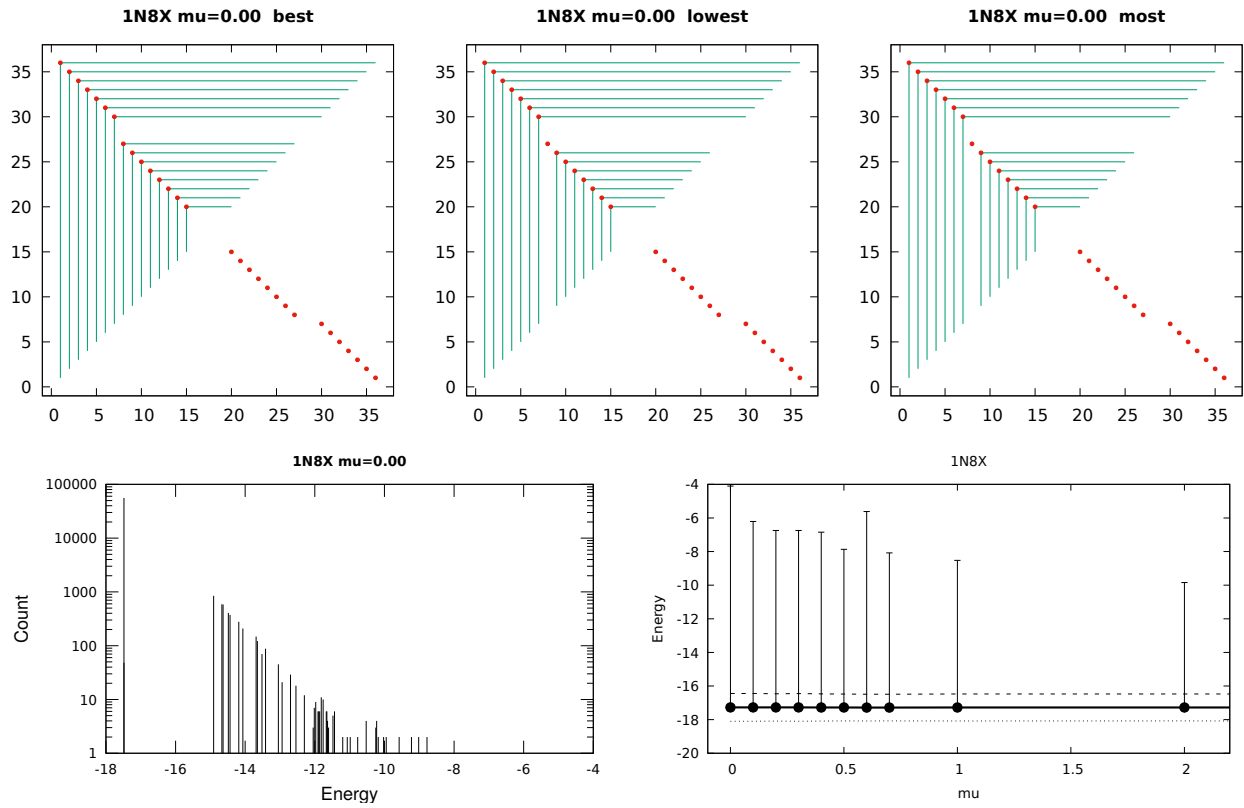


1N8X

GGACUCGGCU UGCUGGAGAC GGCAAGAGGC GAGUCC

mu: 0 mean energy: -17.2713 variance: 0.68245

lowest: -17.483668 most probable(93.263%): -17.483668 best match: -11.887753

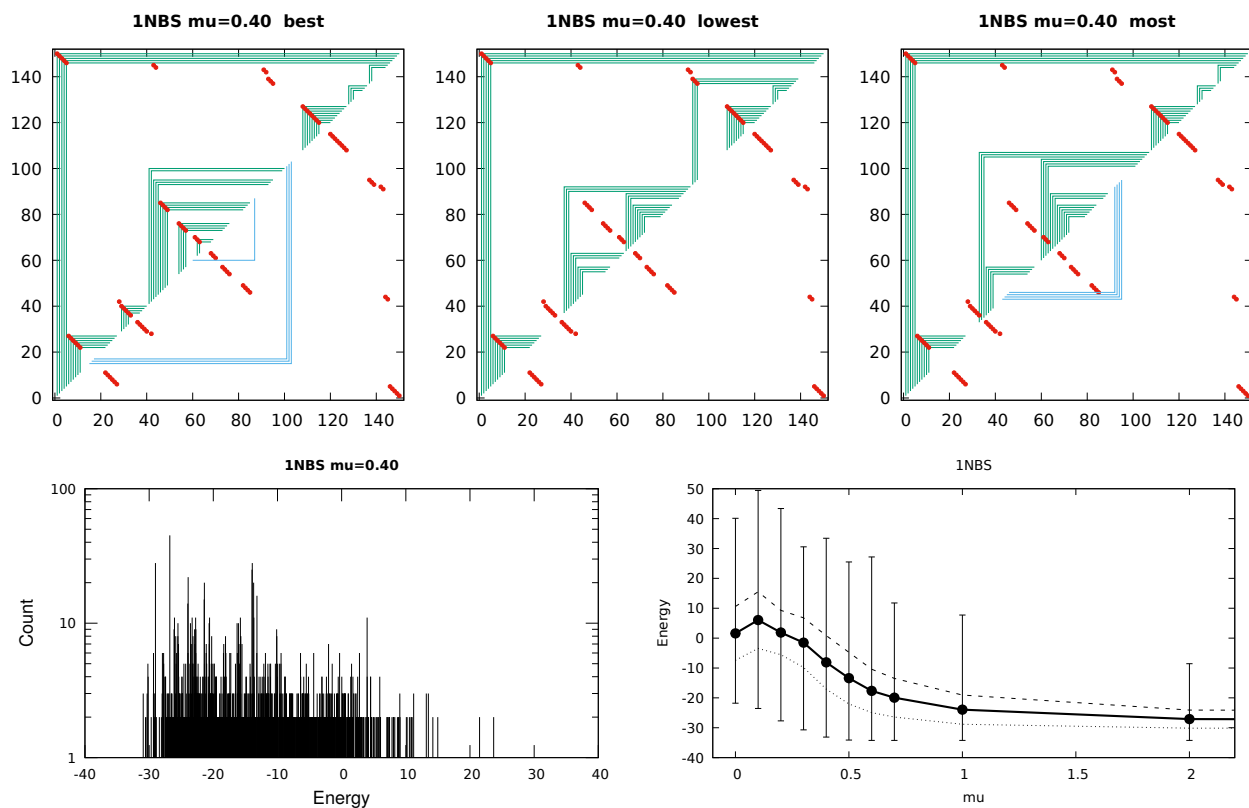


1NBS

GCGAGCCUAG CGAAGUCAUA AGCUAGGGCA GUCUUGGCUG ACGGCAGGAA AAAAGCCUAC
 GUCUUCGGAU AUGGCUGAGU AUCCUUGAAA GUGCCACAGU GACGAAGUCU CACUAGAAAU
 GGUGAGAGUG GAACGCGGUA AACCCUCGC

mu: 0.4 mean energy: -8.10031 variance: 80.2724

lowest: -33.122321 most probable(0.075%): -26.781739 best match: -1.924049

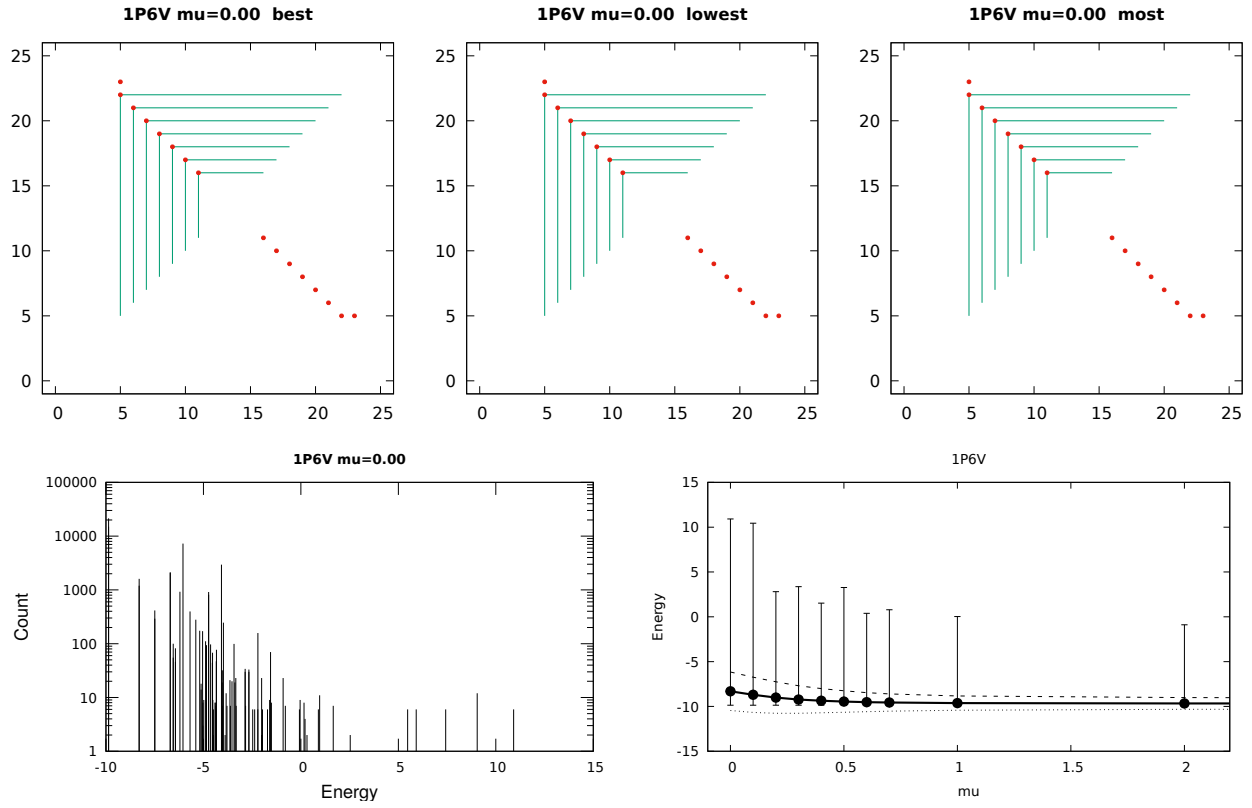


1P6V

UCGACGGGGA CUUCGGUCCU CGGA

mu: 0 mean energy: -8.30675 variance: 4.61501

lowest: -9.863167 most probable(35.648%): -9.863167 best match: -9.863167

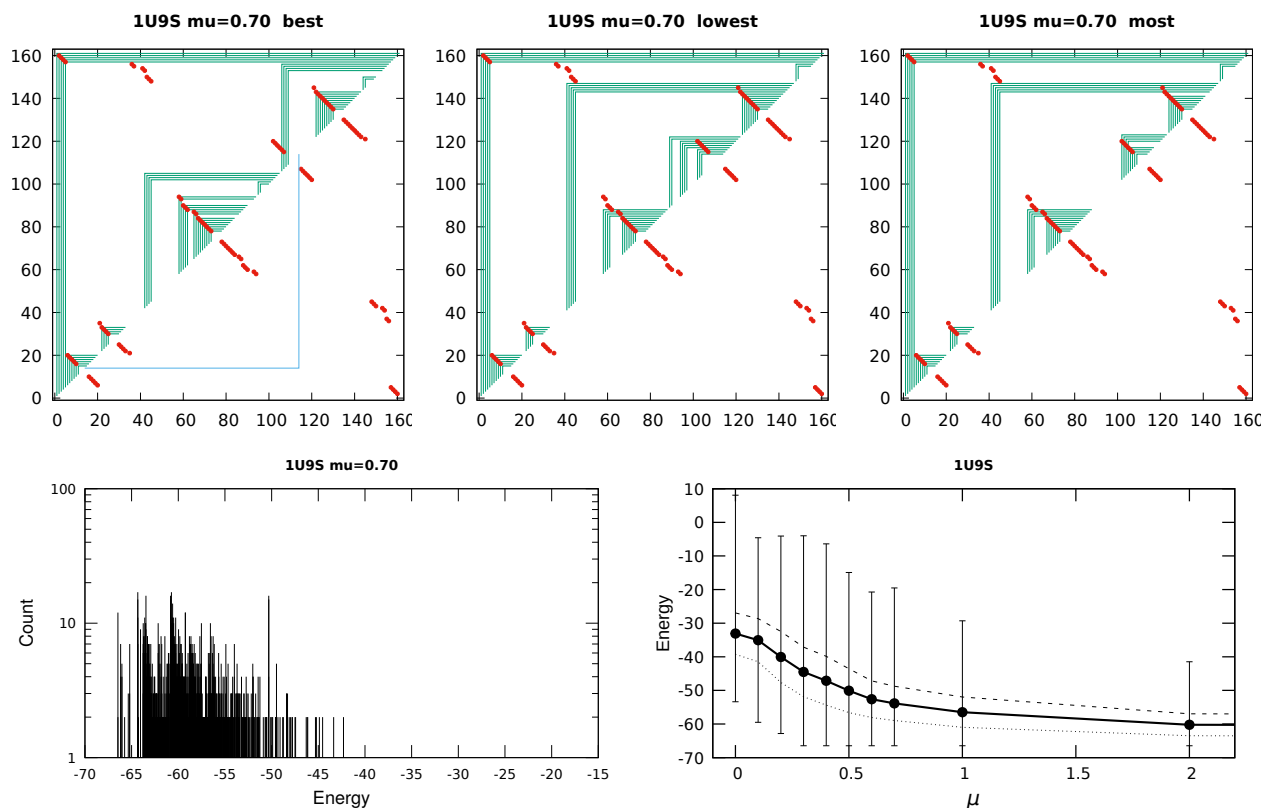


1U9S

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GGGUGCCAGG UAACGCCUGG GCGGGGUAAC CCGACGGAAA GUGCCACAGA GAAGAGACCG
CCAGCGGCCG GGGCUUCCCC CGGUGCGGGC AAGGGUGAAA CGGCGGGGUA AGAGCCCACC
GCCUGGCCUG GCAACAGGCC GGGGCACGGC AAACCCACC C
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mu: 0.7 mean energy: -53.8609 variance: 26.0696

lowest: -66.472340 most probable(0.085%): -64.338929 best match: -50.891028

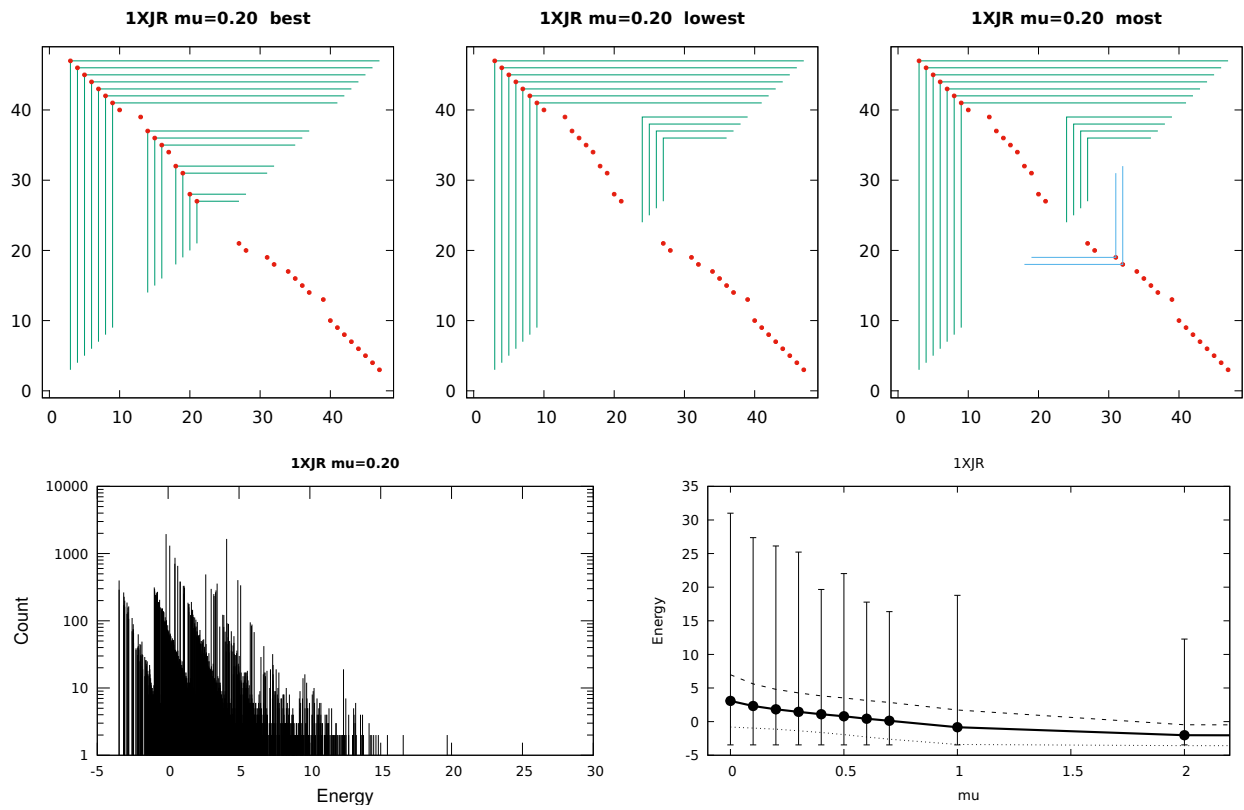


1XJR

XGAGUUCACC GAGGCCACGC GGAGUACGAU CGAGGGUACA GUGAAUU

mu: 0.2 mean energy: 1.83941 variance: 8.78319

lowest: -3.462140 most probable(3.248%): -0.144542 best match: -0.193585

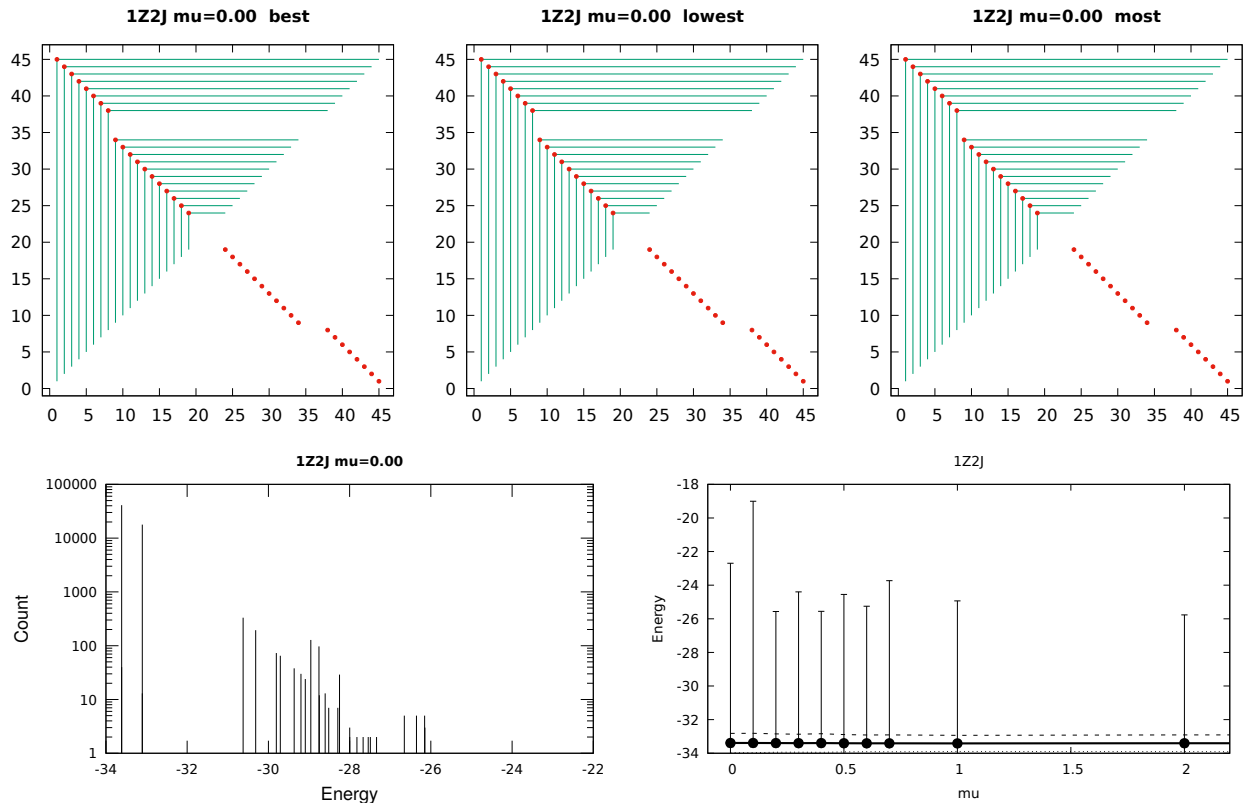


1Z2J

GGGAAGAUCU GGCCUUCCCA CAAGGGAAGG CCAGGGAAUC UUCCC

mu: 0 mean energy: -33.3904 variance: 0.330372

lowest: -33.613502 most probable(68.360%): -33.613502 best match: -33.613502

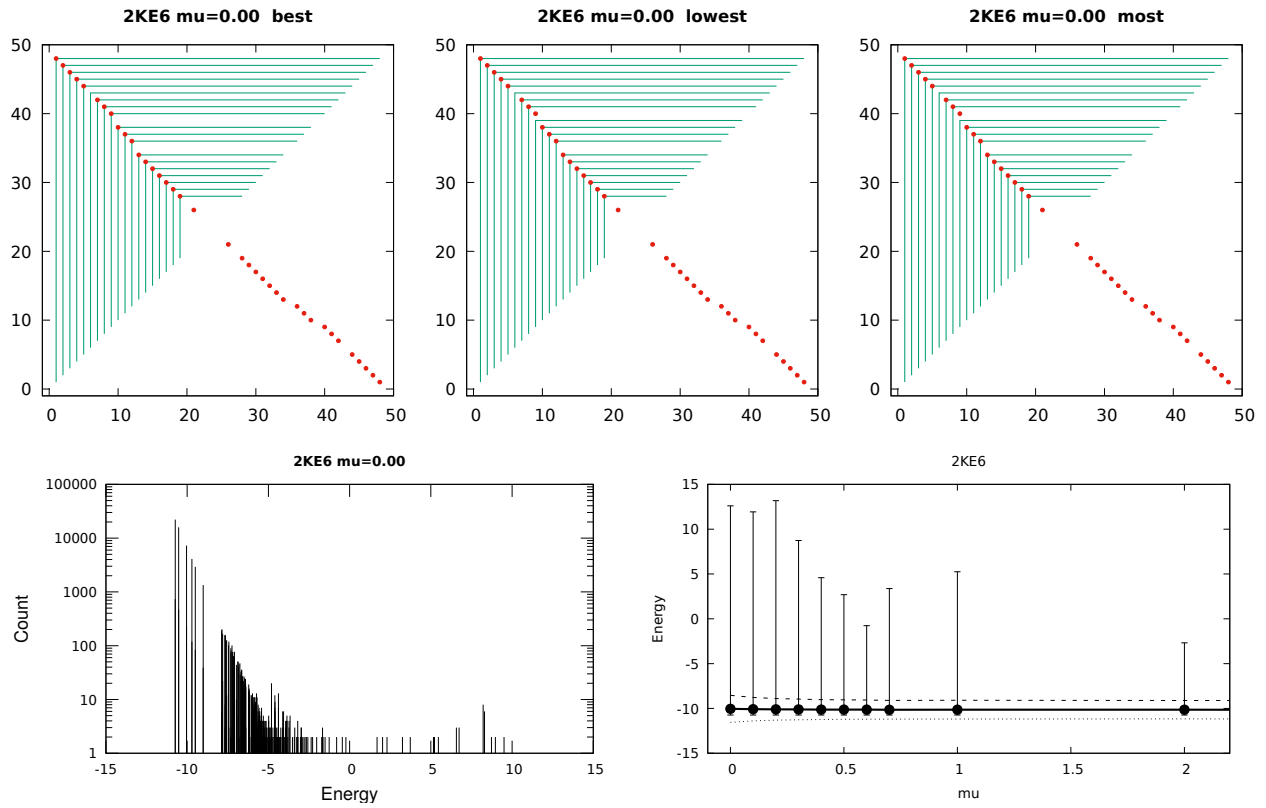


2KE6

GGCUUGAUUG UAUUUUAAA UAAUUCUUA AAAACUACAA AUUAAGCC

mu: 0 mean energy: -10.0425 variance: 2.27593

lowest: -10.732669 most probable(36.833%): -10.732669 best match: -10.040169

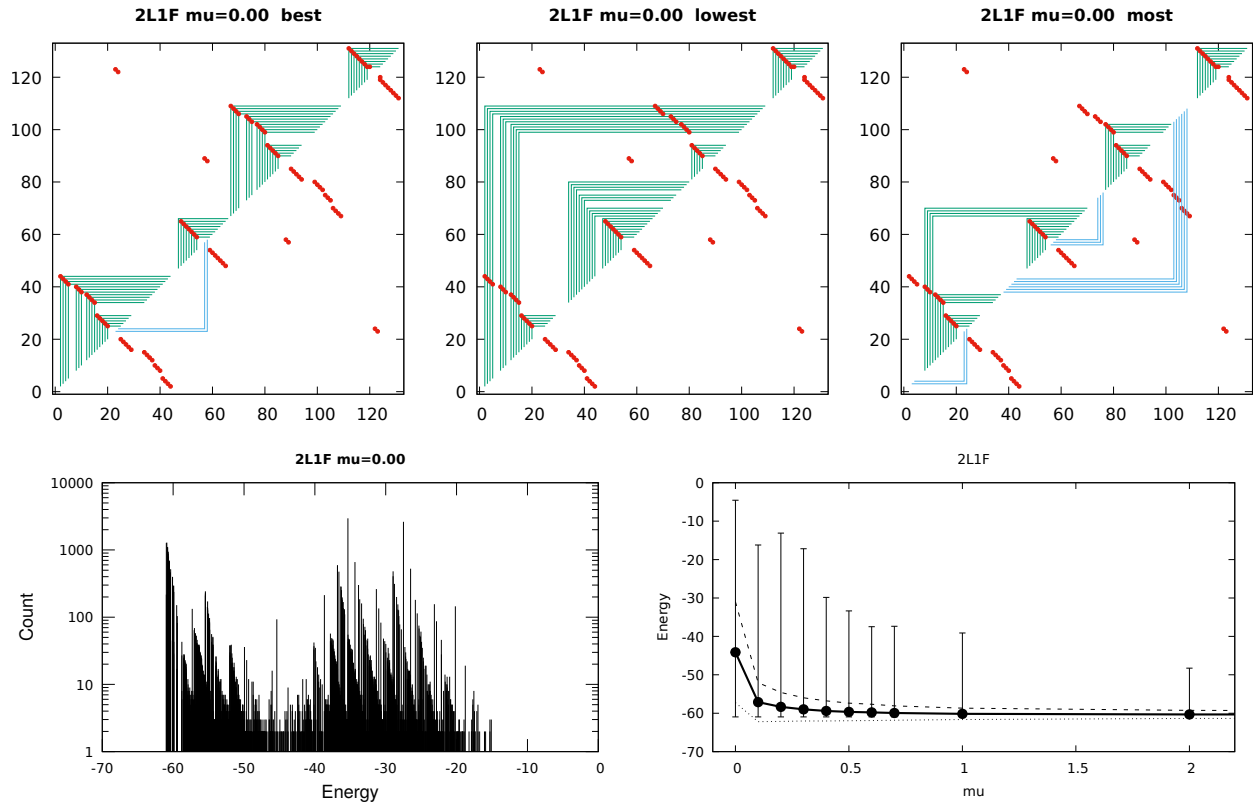


2L1F

GGCGGACCCG UGGUGGAACA GACGUGUUCG GAACACCCGG CCGCAACCCU GGGAGACGUC
 CCAGGGGCGG ACCCGUGGUG GAACAGACGU GUUCGGAACA CCCGGCCGCA ACCUGGGAG
 ACGUCCAGG G

mu: 0 mean energy: -44.1338 variance: 172.669

lowest: -60.964337 most probable(4.922%): -35.338086 best match: -55.135337

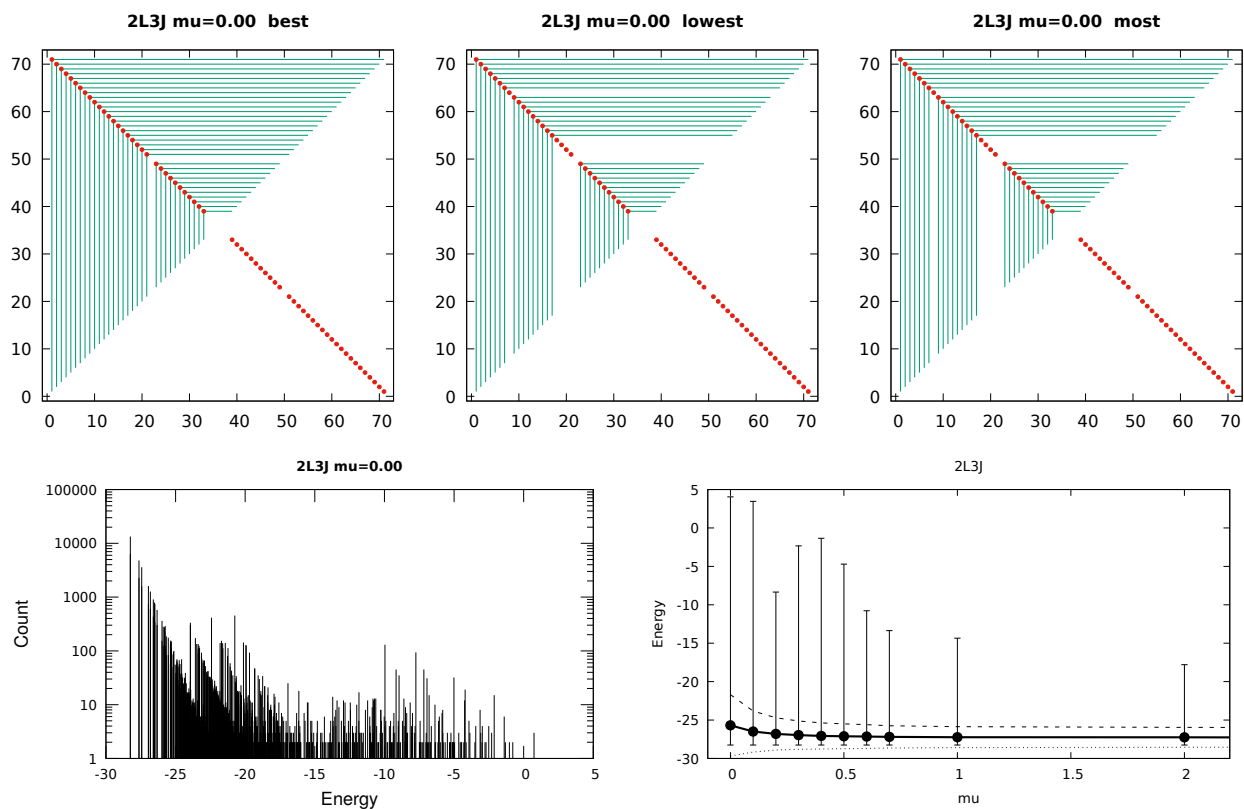


2L3J

GGCAUUAAGG UGGGUGGAAU AGUAUAACAA UAUGC AAAU GUUGUUAUAG UAUCCACCU
 ACCUGAUGC C

mu: 0 mean energy: -25.6916 variance: 15.9672

lowest: -28.251003 most probable(22.275%): -28.251003 best match: -24.730506

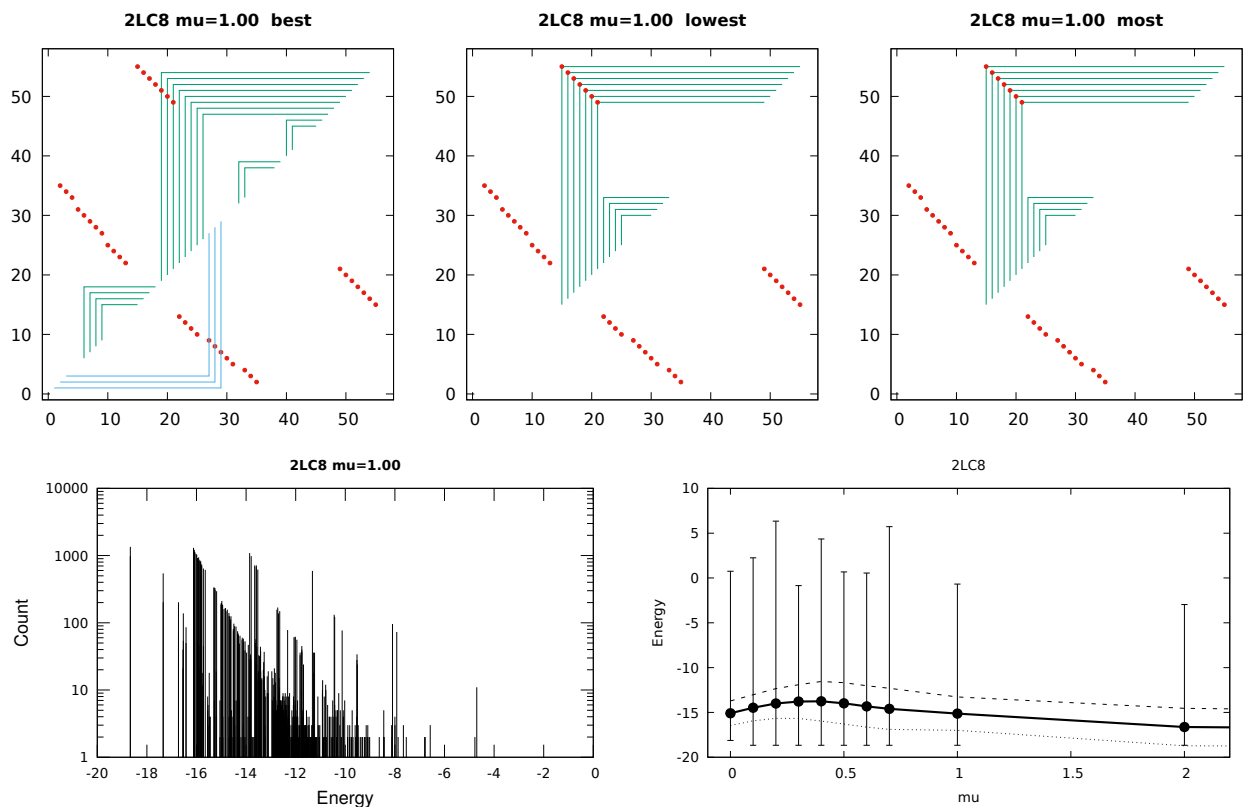


2LC8

GGUCAGGGUC AGGAGCCCCC CCCUGAACCC AGGAUAACCC UCAAAGUCGG GGGGCA

mu: 1 mean energy: -15.1338 variance: 3.45992

lowest: -18.667641 most probable(3.367%): -18.667641 best match: -6.037918

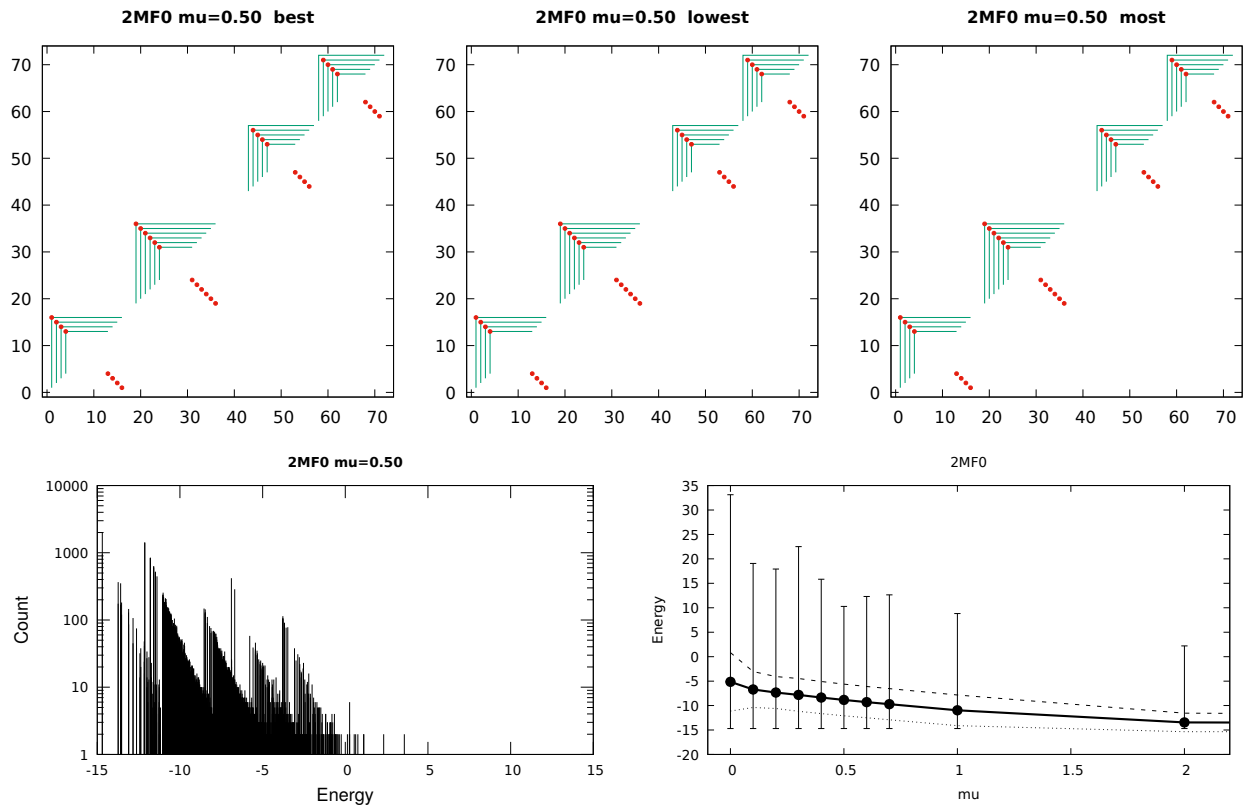


2MF0

UGUCGACGGA UAGACACAGC CAUCAAGGAC GAUGGUCAGG ACAUCGCAGG AAGCGAUUCA
UCAGGACGAU GA

mu: 0.5 mean energy: -8.85414 variance: 10.4651

lowest: -14.697582 most probable(3.398%): -14.697582 best match: -14.697582

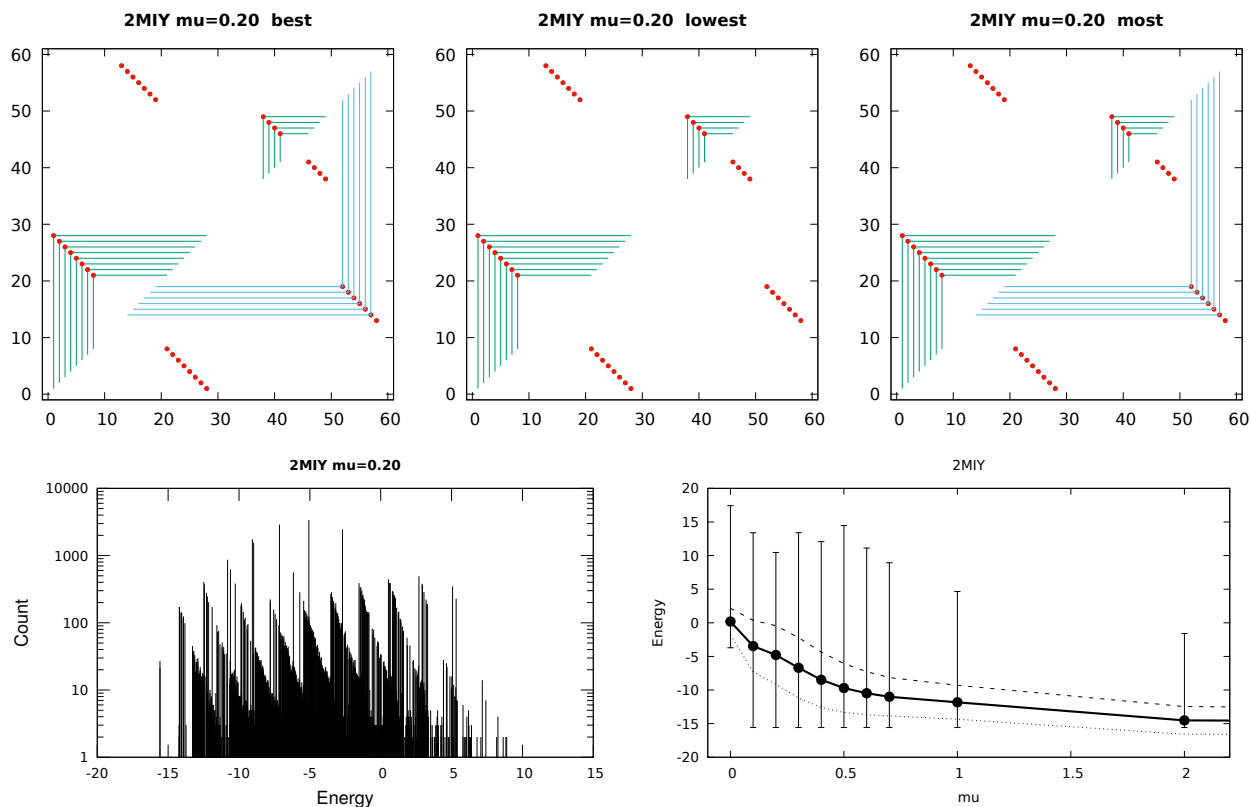


2MIY

GCUUGGUGCU UAGCUUCUUU CACCAAGCAU AUUACACGCG GAUAACCGCC AAAGGAGAA

mu: 0.2 mean energy: -4.79022 variance: 19.0563

lowest: -15.575335 most probable(5.630%): -5.070835 best match: -5.070835

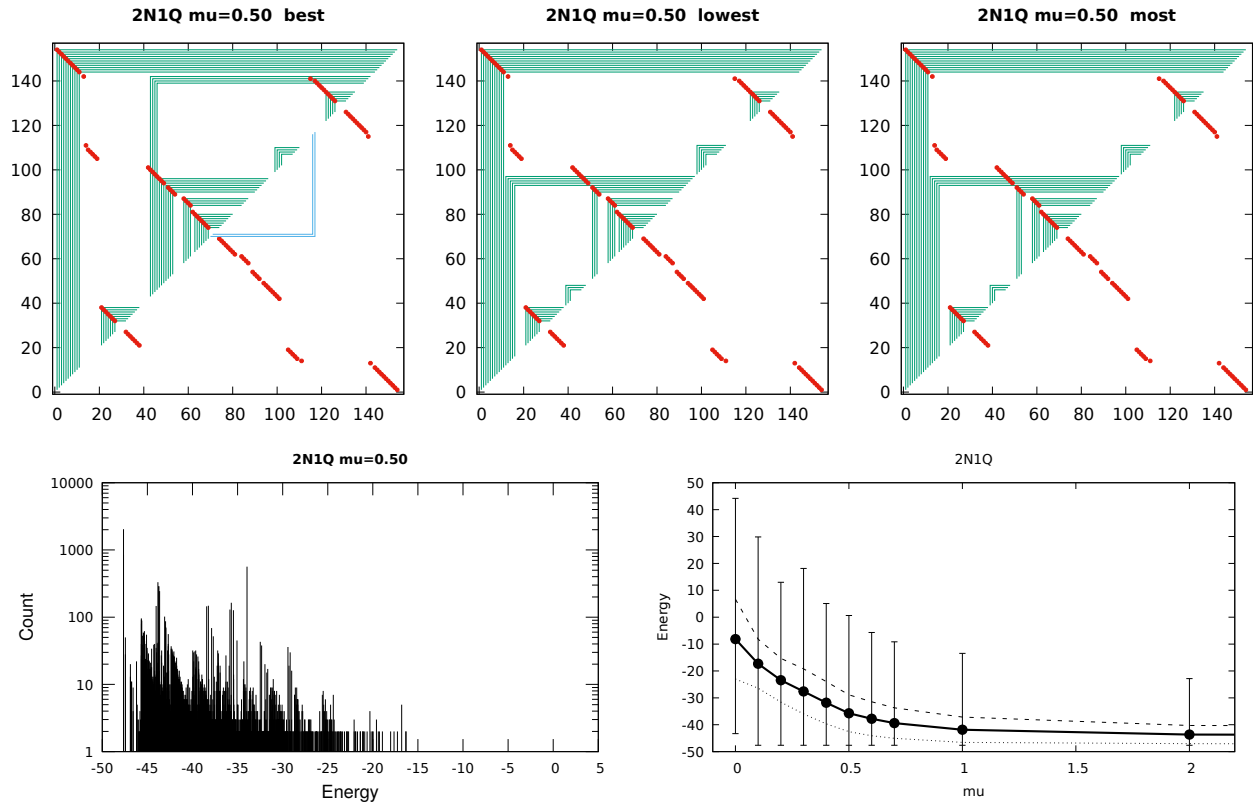


2N1Q

GGUGCCCGUC UGUUGUGUGA CUCUGGUGAG AGCCAGAGGA GAUCUCUCGA CGCAGGACUC
 GGCUUGCUGG AGACGGCAAG AGGCGAGGGG CGGCGACUGG UGAGUACGCC AAAAAUUUUG
 ACUAGCGGAG GCUAGAAGGA GAGAGAUGGG UGCCC

mu: 0.5 mean energy: -35.7201 variance: 47.096

lowest: -47.644740 most probable(3.392%): -47.644740 best match: -25.463621

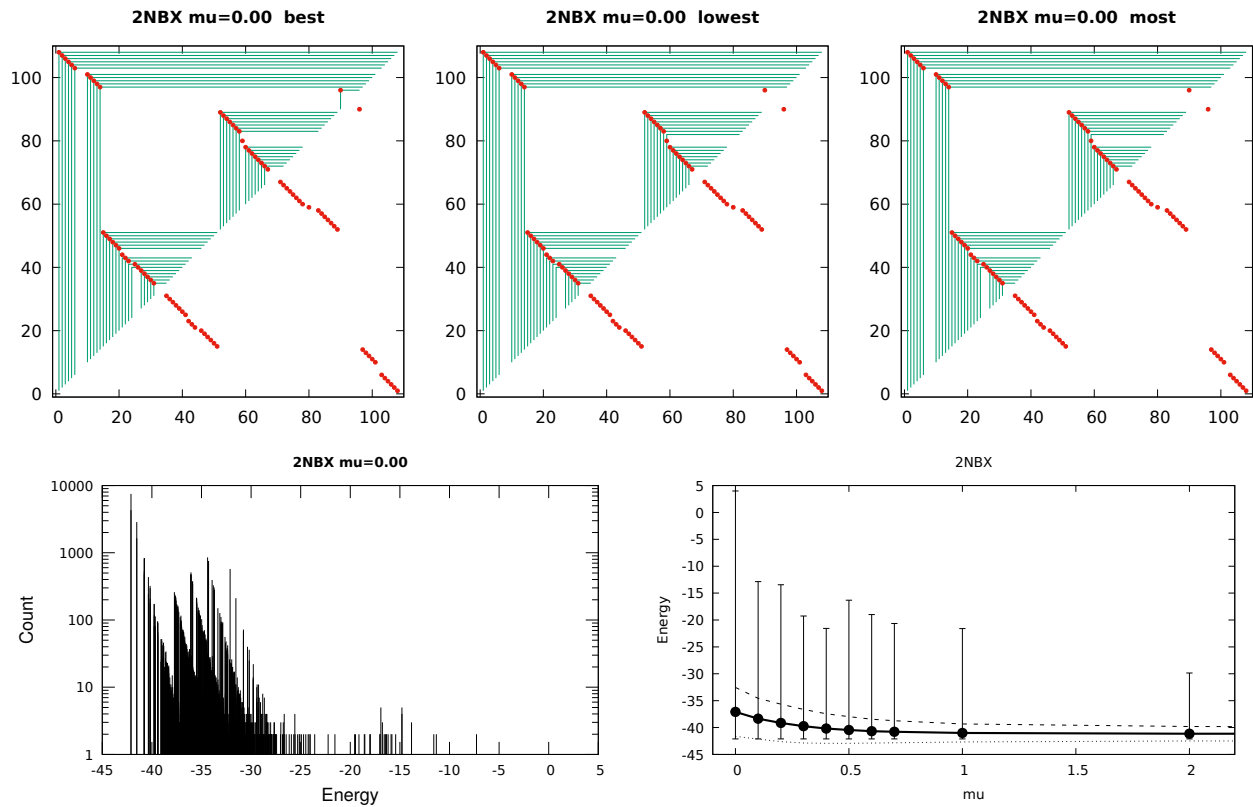


2NBX

GGGGCUGAAG GAUGCCCAGA AGGUACCCCA UUGUAUGGGA UCUGAUCUGG GGCCUCGGUG
 CACAUGCUIU ACAUGUGUIU AGUCGAGGUU AAAAAACGUC UAGGCCCC

mu: 0 mean energy: -37.0874 variance: 20.7418

lowest: -42.104254 most probable(12.518%): -42.104254 best match: -29.269861

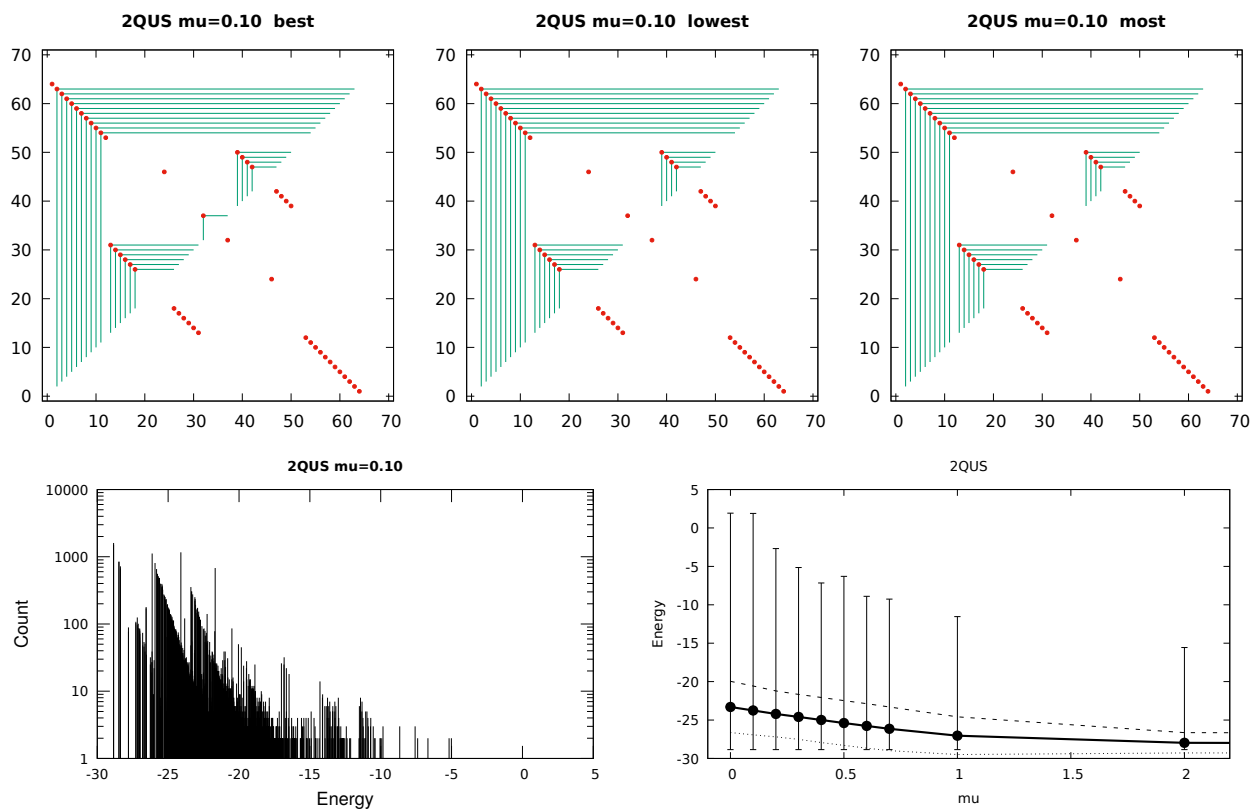


2QUS

XGGAGCCCUG UCACCGGAUG UGCUUCCGG UCUGAUGAGU CCGUGAGGAC AAAACAGGGC
UCCCGAAUU

mu: 0.1 mean energy: -23.7518 variance: 10.0888

lowest: -28.847668 most probable(2.675%): -28.847668 best match: -26.134168

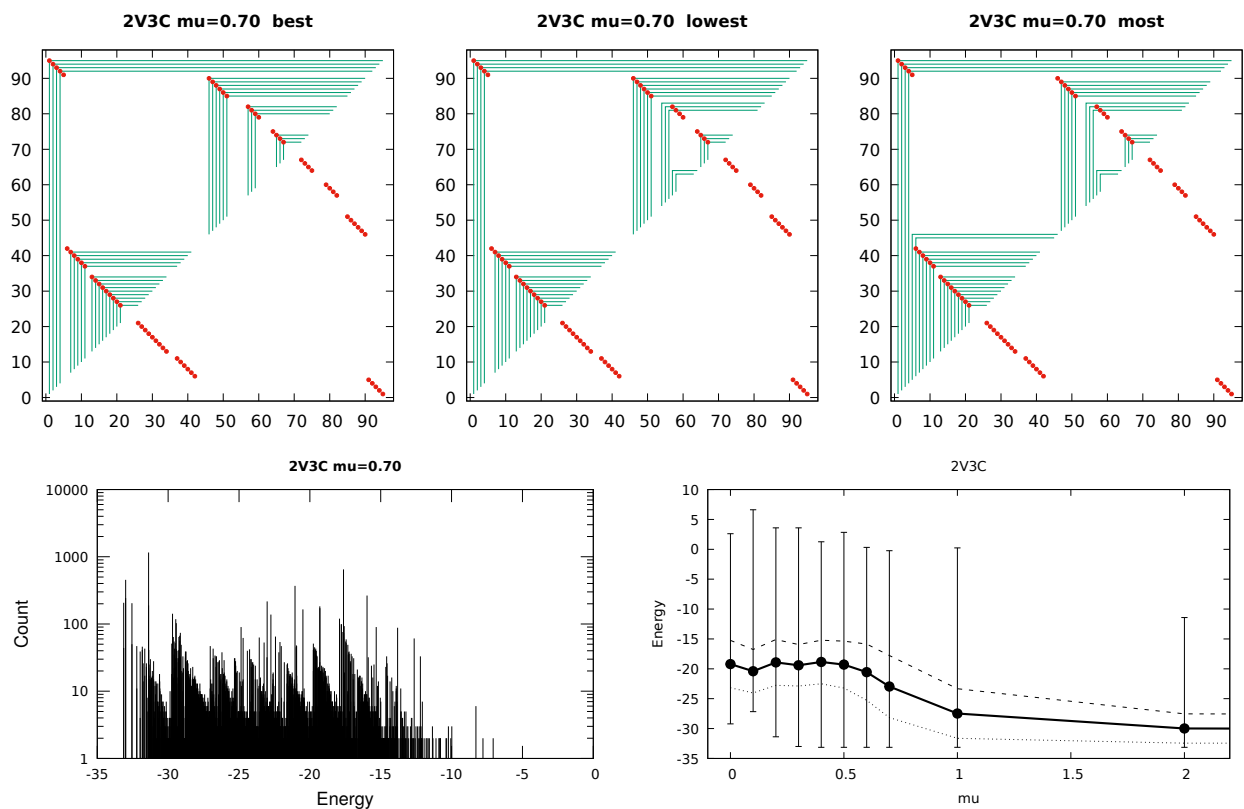


2V3C

GGCGGUGGGG GAGCAUCUCC UGUAGGGGAG AUGUAACCCC CUUUACCUGC CGAACCCCGC
CAGGCCCGGA AGGGAGCAAC GGUAGGCAGG ACGUCG

mu: 0.7 mean energy: -22.9666 variance: 27.0324

lowest: -33.133504 most probable(2.893%): -31.380504 best match: -31.309504

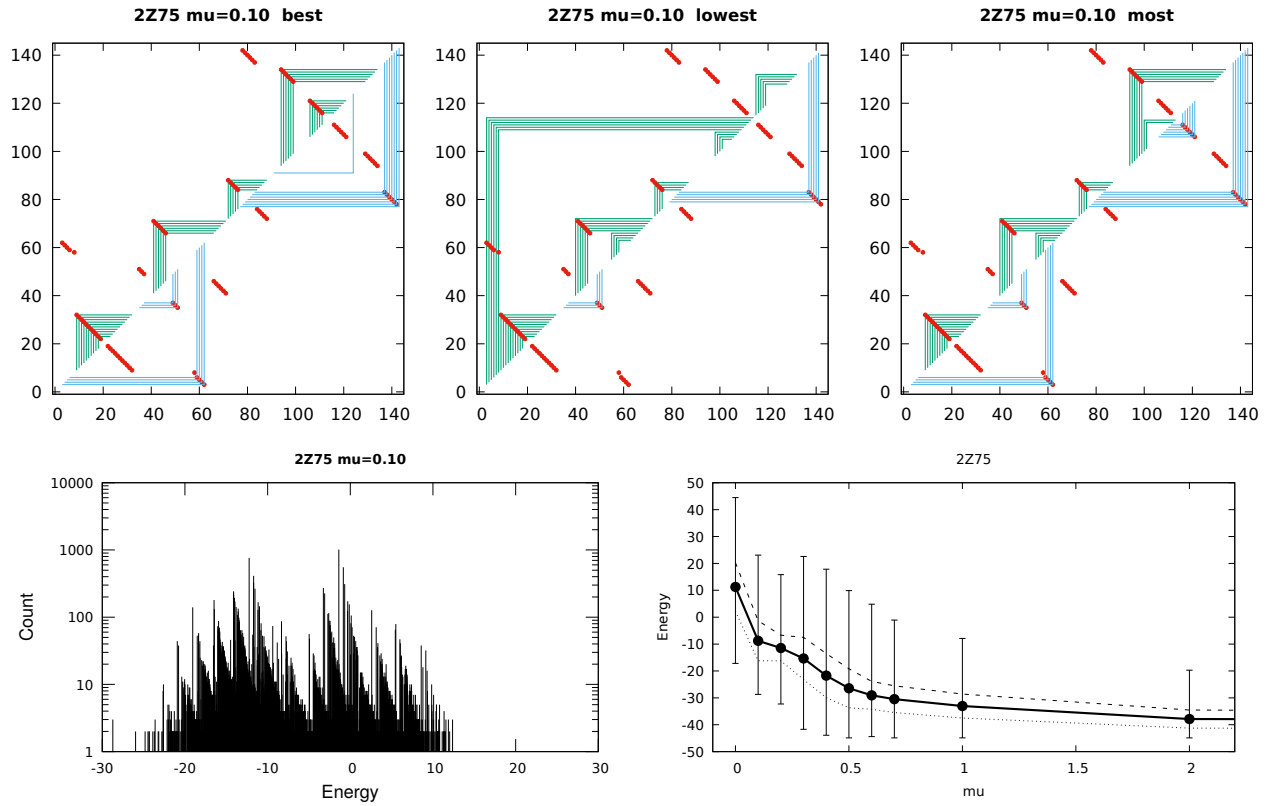


2Z75

XGCGCCUGGA CUUAAAGCCA UGGCUUUAAG UUGACGAGGG CAGGGUUAUC GAGACAUCGG
 CGGGUGCCCU GCGGUCUUC UGCGACCGUU AGAGGACUGG UAAAACCACA GGCGACUGUG
 GCAUAGAGCA GUCCGGGCAG GAA

mu: 0.1 mean energy: -8.76815 variance: 55.1976

lowest: -28.721493 most probable(1.690%): -1.386000 best match: -14.260556

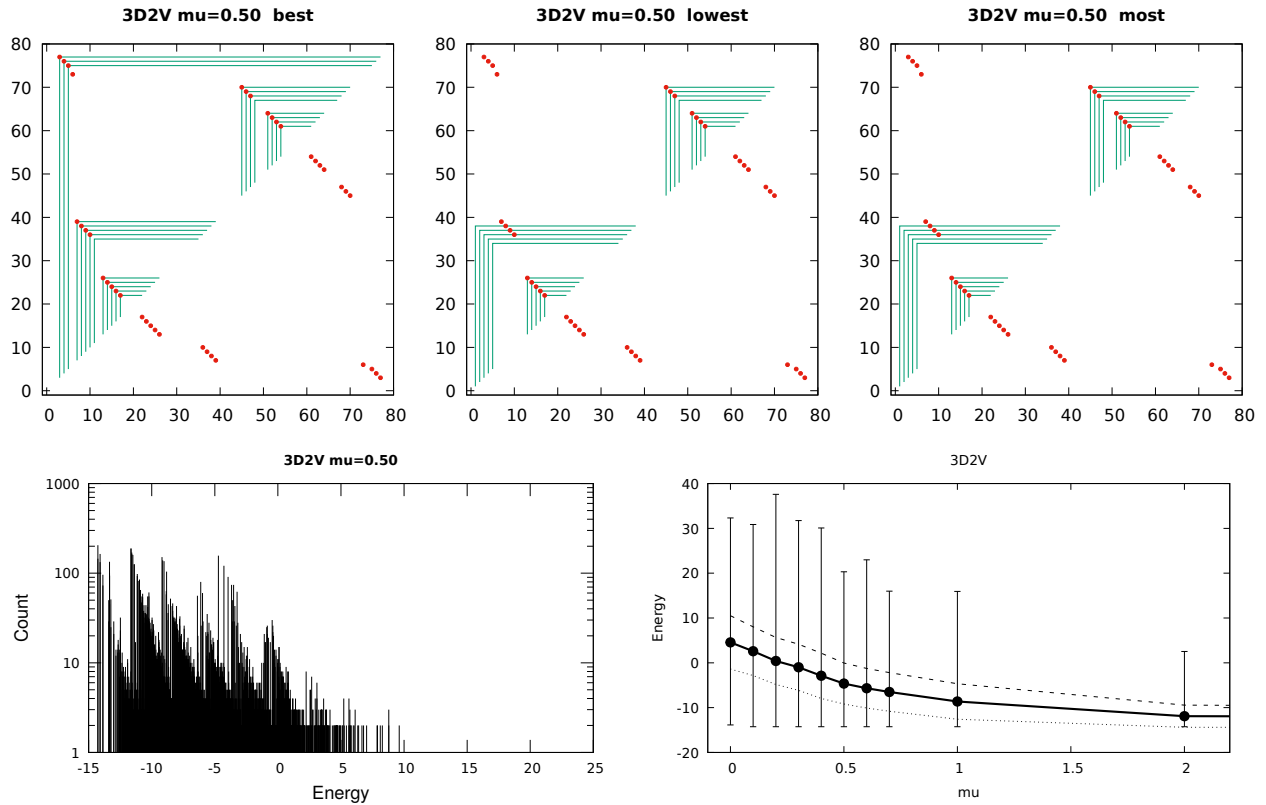


3D2V

GGGACCAGGG GUGCUUGUUC ACAGGCUGAG AAAGUCCCUU UGAACCUGAA CAGGGUAAUG
CCUGCGCAGG GAGUGUCX

mu: 0.5 mean energy: -4.62551 variance: 20.9669

lowest: -14.264488 most probable(0.342%): -14.264488 best match: 10.653330

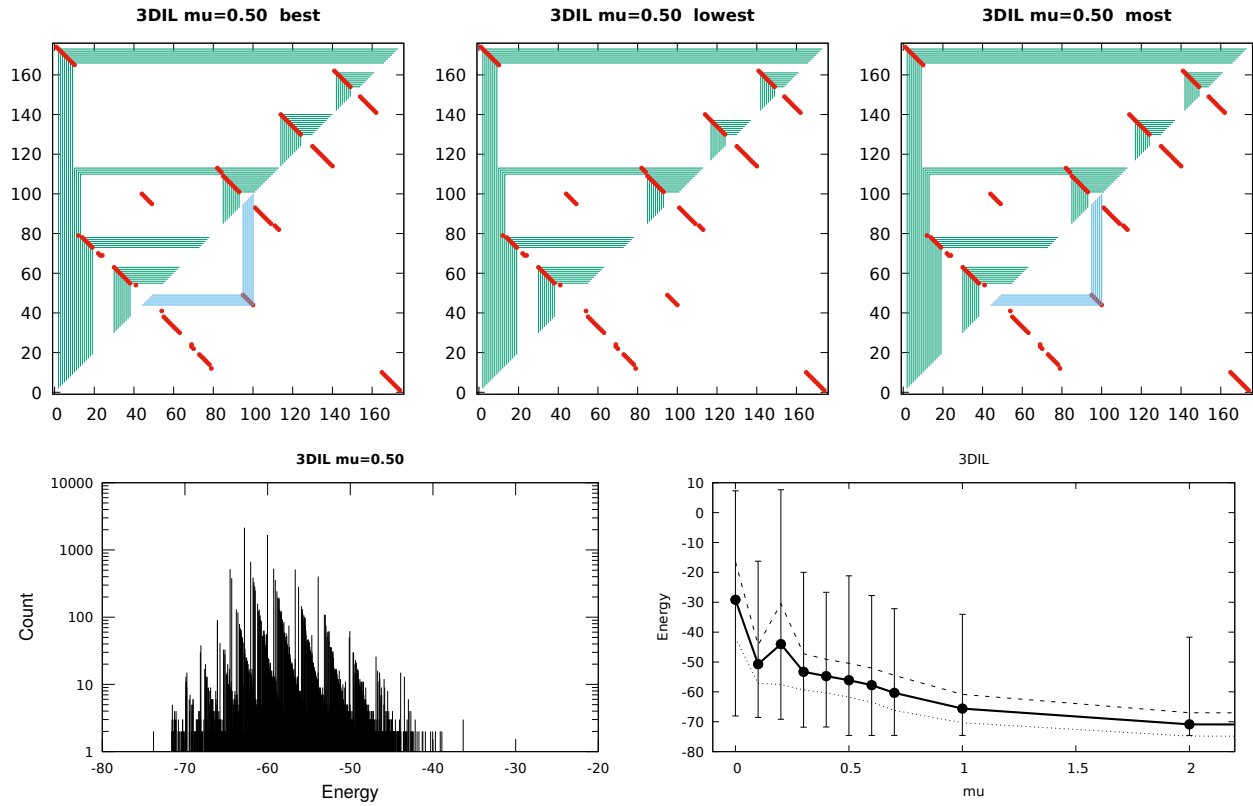


3DIL

GGCCGACGGA GCGCGGCCCC AGAUGAGUAG GCUGUCCCAU CAGGGGAGGA AUCGGGGACG
 GCUGAAAGGC GAGGGCGCCG AAGGGUGCAG AGUUCCUCCC GCUCUGCAUG CCUGGGGGUA
 UGGGGAAUAC CCAUACCACU GUCACGGAGG UCUCUCCGUG GAGAGCCGUC GGUX

mu: 0.5 mean energy: -56.0803 variance: 32.0166

lowest: -74.560032 most probable(3.578%): -62.800032 best match: -44.450391

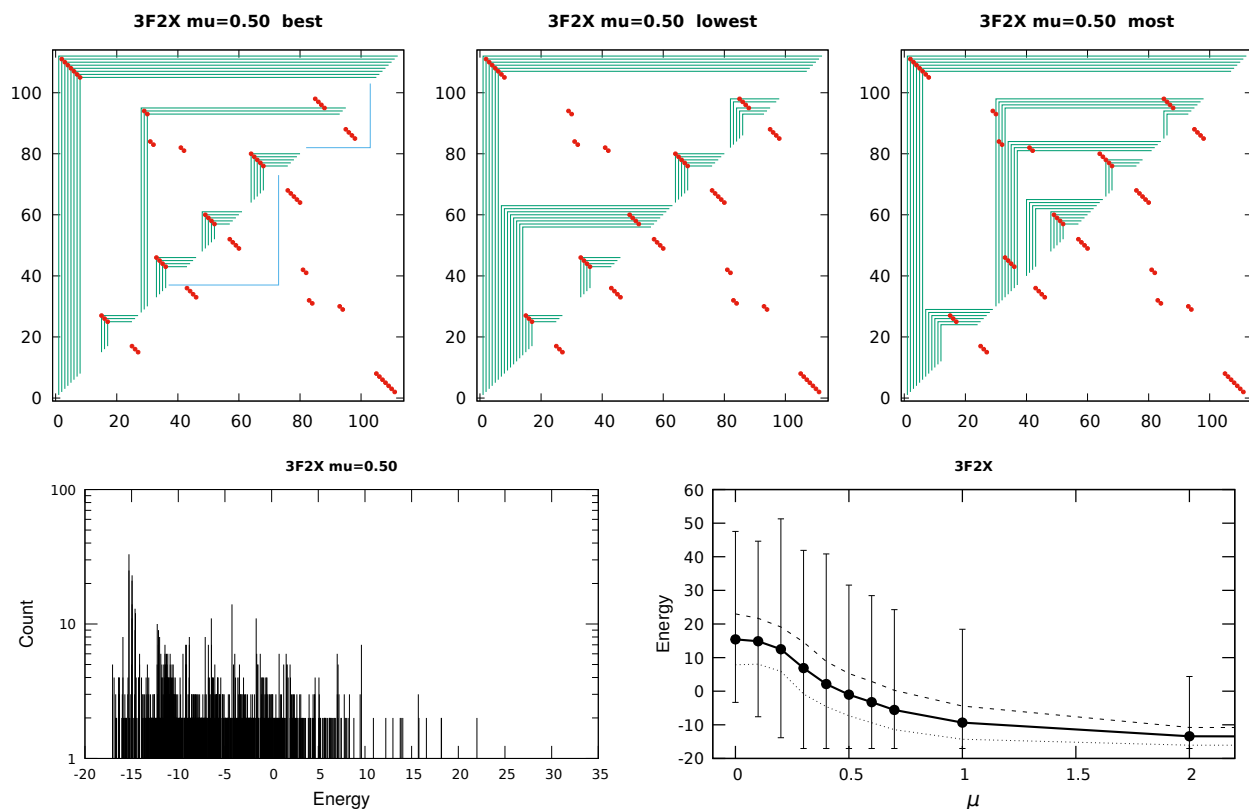


3F2X

GGAUCUUCGG GGCAGGGUGA AAUCCCCGAC CGGUGGUAUA GUCCACGAAA GUAUUUGC UU
UGAUUUUGGUG AAUUCACAAA ACCGACAGUA GAGUCUGGAU GAGAGAAGAU UC

mu: 0.5 mean energy: -1.01186 variance: 39.5676

lowest: -17.044985 most probable(0.083%): -15.283752 best match: -6.092651

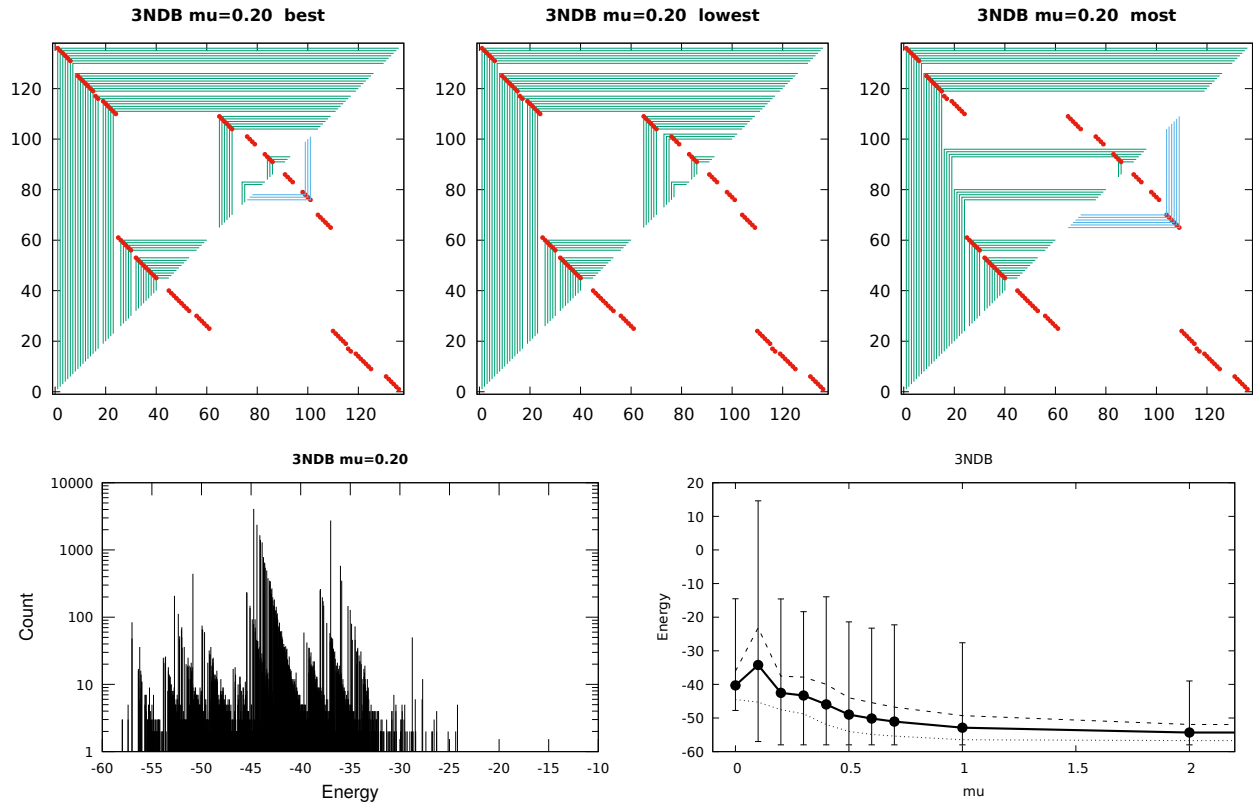


3NDB

GUCUCGUCCC GUGGGGCUCG GCGGUGGGGG AGCAUCUCCU GUAGGGGAGA UGUAACCCCC
 UUUACCUGCC GAACCCCGCC AGGCCCGGAA GGGAGCAACG GUAGGCAGGA CGUCGGCGCU
 CACGGGGGUG CGGGAC

mu: 0.2 mean energy: -42.5242 variance: 24.8174

lowest: -57.978422 most probable(6.808%): -44.735889 best match: -50.220775



30XE

XGCUCUGGAG AGAACCGUUU AAUCGGUCGC CGAAGGAGCA AGCUCUGCGG AAACGCAGAG
UGAAACUCUC AGGCAAAAGG ACAGAGUX

mu: 0.2 mean energy: -15.0555 variance: 37.1926

lowest: -23.814010 most probable(10.160%): -18.302638 best match: -19.324654

