4FPHA dimers

4D1

C 0.256691000 2.954820000 -2.377700000

C 0.714649000 1.959707000 -1.832022000

C 1.229135000 0.795763000 -1.179332000

C 0.864023000 -0.498500000 -1.625772000

C 2.095276000 0.920045000 -0.064783000

C 1.346389000 -1.641686000 -0.977419000

C 2.581689000 -0.216892000 0.592090000

C 2.195036000 -1.476120000 0.121661000

H -0.122881000 3.830344000 -2.868535000

H 0.185896000 -0.600419000 -2.476545000

H 2.362861000 1.915357000 0.296672000

H 1.063286000 -2.645668000 -1.302860000

H 3.241489000 -0.137322000 1.459734000

F 2.653990000 -2.590220000 0.770813000

C 0.031040000 2.929889000 2.404038000

C -0.521186000 1.988979000 1.849579000

C -1.146384000 0.886651000 1.186650000

C -1.990441000 1.104483000 0.069423000

C -0.915183000 -0.440560000 1.625613000

C -2.585390000 0.026432000 -0.597247000

C -1.507033000 -1.525332000 0.967534000

C -2.329508000 -1.268288000 -0.133822000

H 0.494839000 3.759677000 2.901905000

H -2.154956000 2.123956000 -0.286222000

H -0.255035000 -0.615539000 2.478663000

H -3.229747000 0.177521000 -1.466990000

H -1.328013000 -2.554746000 1.287398000

F -2.895162000 -2.326391000 -0.792387000

4D2

C 1.989185000 -2.211965000 2.334207000

C 0.966574000 -1.895208000 1.741334000

C -0.225795000 -1.525159000 1.043101000

C -1.002349000 -0.422604000 1.476518000

C -0.645072000 -2.253112000 -0.099229000

C -2.166547000 -0.051801000 0.792535000

C -1.808673000 -1.892541000 -0.789797000

C -2.544776000 -0.795213000 -0.329195000

H 2.879915000 -2.499212000 2.859302000

H -0.675888000 0.157263000 2.342971000

H -0.045878000 -3.099997000 -0.444082000

H -2.757728000 0.812431000 1.103826000

H -2.143217000 -2.441841000 -1.673577000

F -3.672618000 -0.428947000 -1.012074000

C -0.927197000 3.894221000 1.107458000

C -0.230465000 3.056341000 0.549471000

C 0.555629000 2.041562000 -0.081812000

C 1.776638000 1.612334000 0.494491000

C 0.101338000 1.421468000 -1.272640000

C 2.521800000 0.582022000 -0.092079000

C 0.838265000 0.390437000 -1.865700000

C 2.033754000 -0.010865000 -1.260070000

H -1.518300000 4.656095000 1.578724000

H 2.128427000 2.081239000 1.417270000

H -0.845619000 1.739287000 -1.715622000

H 3.451430000 0.222699000 0.354208000

H 0.491960000 -0.110304000 -2.772732000

F 2.743844000 -1.032960000 -1.825910000

4D3

C 2.720330000 3.264083000 1.042797000

C 2.435093000 2.195814000 0.517443000

C 2.068287000 0.946210000 -0.075099000

C 1.137087000 0.905099000 -1.142733000

C 2.600734000 -0.270640000 0.419517000

C 0.738009000 -0.316717000 -1.696321000

C 2.204556000 -1.498941000 -0.124750000

C 1.276237000 -1.495622000 -1.171577000

H 2.990559000 4.203067000 1.486950000

H 0.705727000 1.836954000 -1.516542000

H 3.319021000 -0.246145000 1.243566000

H 0.004248000 -0.363917000 -2.503813000

H 2.592729000 -2.446749000 0.256226000

F 0.872131000 -2.691616000 -1.694881000

C -2.791482000 3.204656000 -1.044357000

C -2.482676000 2.143190000 -0.518537000

C -2.088487000 0.902220000 0.074555000

C -1.157944000 0.882165000 1.143348000

C -2.592720000 -0.326359000 -0.420639000

C -0.732123000 -0.330332000 1.697537000

C -2.169806000 -1.545380000 0.124339000

C -1.243163000 -1.521094000 1.172401000

H -3.082306000 4.137262000 -1.488938000

H -0.748162000 1.823515000 1.517648000

H -3.310172000 -0.318112000 -1.245738000

H 0.001347000 -0.360923000 2.506094000

H -2.535969000 -2.501719000 -0.257105000

F -0.813089000 -2.707645000 1.696450000

4D4

C 2.424052000 -2.763185000 0.070136000

C 1.280504000 -2.327862000 0.062419000

C -0.055274000 -1.817005000 0.053210000

C -0.695355000 -1.450077000 1.263037000

C -0.758184000 -1.658015000 -1.167012000

C -2.000652000 -0.943168000 1.259240000

C -2.063764000 -1.151518000 -1.182574000

C -2.660396000 -0.805268000 0.034039000

H 3.435736000 -3.120813000 0.076274000

H -0.156347000 -1.560999000 2.207397000

H -0.268611000 -1.932005000 -2.105266000

H -2.503290000 -0.648357000 2.183619000

H -2.615631000 -1.019053000 -2.116497000

F -3.934865000 -0.314123000 0.024833000

C -2.423911000 2.763652000 -0.063880000

C -1.280424000 2.328139000 -0.058130000

C 0.055293000 1.817087000 -0.051363000

C 0.693501000 1.451151000 -1.262466000

C 0.760007000 1.656882000 1.167664000

C 1.998777000 0.944153000 -1.261081000

C 2.065574000 1.150306000 1.180819000

C 2.660358000 0.805118000 -0.037001000

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H 0.271845000 1.929993000 2.106909000

H 2.499999000 0.650129000 -2.186484000

H 2.618781000 1.016839000 2.113803000

F 3.934794000 0.313847000 -0.030147000

4D5

C -1.072993000 -3.530014000 -0.057092000

C -0.124988000 -2.757691000 -0.107174000

C 0.965530000 -1.832833000 -0.159776000

C 0.813550000 -0.588674000 -0.821183000

C 2.203297000 -2.132391000 0.463340000

C 1.862679000 0.337920000 -0.857213000

C 3.261440000 -1.214302000 0.430041000

C 3.067483000 0.004879000 -0.229915000

H -1.909502000 -4.201433000 -0.023574000

H -0.143327000 -0.342727000 -1.286490000

H 2.328623000 -3.090198000 0.976012000

H 1.746352000 1.312491000 -1.336565000

H 4.221478000 -1.429839000 0.906399000

F 4.095317000 0.906557000 -0.256668000

C 0.678651000 3.918966000 0.434976000

C -0.152969000 3.023492000 0.369090000

C -1.093946000 1.950554000 0.272690000

C -1.948878000 1.840981000 -0.852262000

C -1.159675000 0.957873000 1.282948000

C -2.841693000 0.766774000 -0.970984000

C -2.049355000 -0.117467000 1.175599000

C -2.874756000 -0.191339000 0.048590000

H 1.395706000 4.714444000 0.506531000

H -1.902819000 2.600553000 -1.637455000

H -0.489694000 1.026077000 2.143649000

H -3.504089000 0.666445000 -1.834540000

H -2.093094000 -0.902476000 1.933417000

F -3.745305000 -1.236969000 -0.063046000

4D6

C 0.357096000 3.930105000 -0.519904000

C 1.017151000 2.920371000 -0.314467000

C 1.745901000 1.712256000 -0.076644000

C 2.461931000 1.082238000 -1.126039000

C 1.736877000 1.109473000 1.206470000

C 3.149080000 -0.118734000 -0.903641000

C 2.420843000 -0.090190000 1.439396000

C 3.115032000 -0.681580000 0.377808000

H -0.208019000 4.825391000 -0.696601000

H 2.468033000 1.537940000 -2.119711000

H 1.176393000 1.583055000 2.016586000

H 3.700031000 -0.619375000 -1.703670000

H 2.414982000 -0.570727000 2.420859000

F 3.780892000 -1.851704000 0.598494000

C -4.508562000 2.098161000 0.497250000

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C -1.527156000 0.236957000 -0.235071000

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C -1.199634000 -2.143011000 -0.369353000

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H 0.383671000 -0.705228000 -0.690130000

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F -0.368636000 -3.208201000 -0.584609000

4D7

C -4.523052000 2.177877000 -0.000636000

C -3.793477000 1.195074000 -0.000375000

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C -3.496870000 -1.261020000 -0.000441000

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C -2.668561000 -2.391258000 -0.000133000

C -0.695054000 -0.932116000 0.000959000

C -1.281912000 -2.201711000 0.000563000

H -5.164194000 3.038451000 -0.000872000

H -4.583727000 -1.382223000 -0.000983000

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C 1.754720000 1.712464000 0.000025000

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C 2.139752000 1.104162000 -1.221449000

C 2.892365000 -0.078145000 1.226533000

C 2.891167000 -0.078320000 -1.227332000

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H -0.357277000 4.783820000 0.000887000

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H 1.837398000 1.562345000 -2.166742000

H 3.192337000 -0.561254000 2.159746000

H 3.190223000 -0.561568000 -2.160767000

F 3.986173000 -1.797805000 -0.000811000

4D8

C 0.718342000 -2.510418000 -0.000380000

C -0.364254000 -1.940350000 -0.000434000

C -1.612661000 -1.241094000 -0.000277000

C -1.634514000 0.176882000 -0.000450000

C -2.843512000 -1.944816000 0.000056000

C -2.848253000 0.876363000 -0.000308000

C -4.063446000 -1.255227000 0.000205000

C -4.040672000 0.144116000 0.000019000

H 1.687328000 -2.973908000 -0.000440000

H -0.689892000 0.724960000 -0.000681000

H -2.835990000 -3.038367000 0.000190000

H -2.877129000 1.969221000 -0.000448000

H -5.020151000 -1.784313000 0.000449000

F -5.229214000 0.820605000 0.000174000

C 4.583017000 -2.388342000 0.000139000

C 3.933154000 -1.350896000 0.000217000

C 3.139439000 -0.160446000 0.000174000

C 2.732270000 0.431939000 -1.221005000

C 2.731408000 0.431417000 1.221314000

C 1.942062000 1.588344000 -1.227127000

C 1.941188000 1.587814000 1.227370000

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H 5.181772000 -3.279278000 0.000179000

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H 3.032816000 -0.027044000 2.166753000

H 1.616082000 2.053841000 -2.160584000

H 1.614543000 2.052903000 2.160797000

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4D9

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C -2.566243000 2.439065000 0.005016000

C -1.206543000 2.107347000 -0.005346000

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C 3.032263000 0.005637000 0.003222000

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C 2.596463000 -0.568297000 -1.218408000

C 1.719636000 -1.662298000 1.229265000

C 1.734343000 -1.672877000 -1.224072000

C 1.314812000 -2.198827000 0.002423000

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H 2.908449000 -0.117339000 2.170024000

H 2.934513000 -0.136020000 -2.163783000

H 1.357789000 -2.101215000 2.162279000

H 1.383904000 -2.120009000 -2.157546000

F 0.464811000 -3.269496000 0.001892000

4D10

C 0.478901000 2.214519000 0.002030000

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C 4.503324000 -0.359826000 -1.226526000

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