

**Assessment of Kohn–Sham Density Functional Theory and
Møller–Plesset Perturbation Theory for Ionic Liquids**

Supporting Information

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Table 1 shows all cation anion combinations included in the IL-2013 set. All ion pair structures of the benchmark set are included in the *IL-2013-set.xyz* file which can be viewed for example with Molden. Additionally, this file include all reference interaction energies. Table 2 lists all calculated values used to calculate the benchmark interaction energies. Further tables of the supporting information show errors of all validated approaches for each ion pair.

Table 1: Anion-cation-combinations of the IL-2013 benchmark set are listed with a +. Cations and anions are shown in Fig. 1

	C1	C2	C3	C4	C5	C6	C7	C8
A1	+	+	+	+	+	+	+	+
A2	+	—	+	—	+	+	+	+
A3	+	—	+	—	+	+	+	+
A4	—	—	+	—	—	—	+	+
A5	+	+	+	+	+	+	+	+
A6	—	+	—	+	—	—	—	—
A7	—	+	—	+	—	—	—	—
A8	—	—	+	—	—	—	+	+
A9	+	—	+	—	+	+	+	+
A10	—	+	—	+	—	—	—	—
A11	—	+	—	+	—	—	—	—
A12	—	+	—	+	—	—	—	—

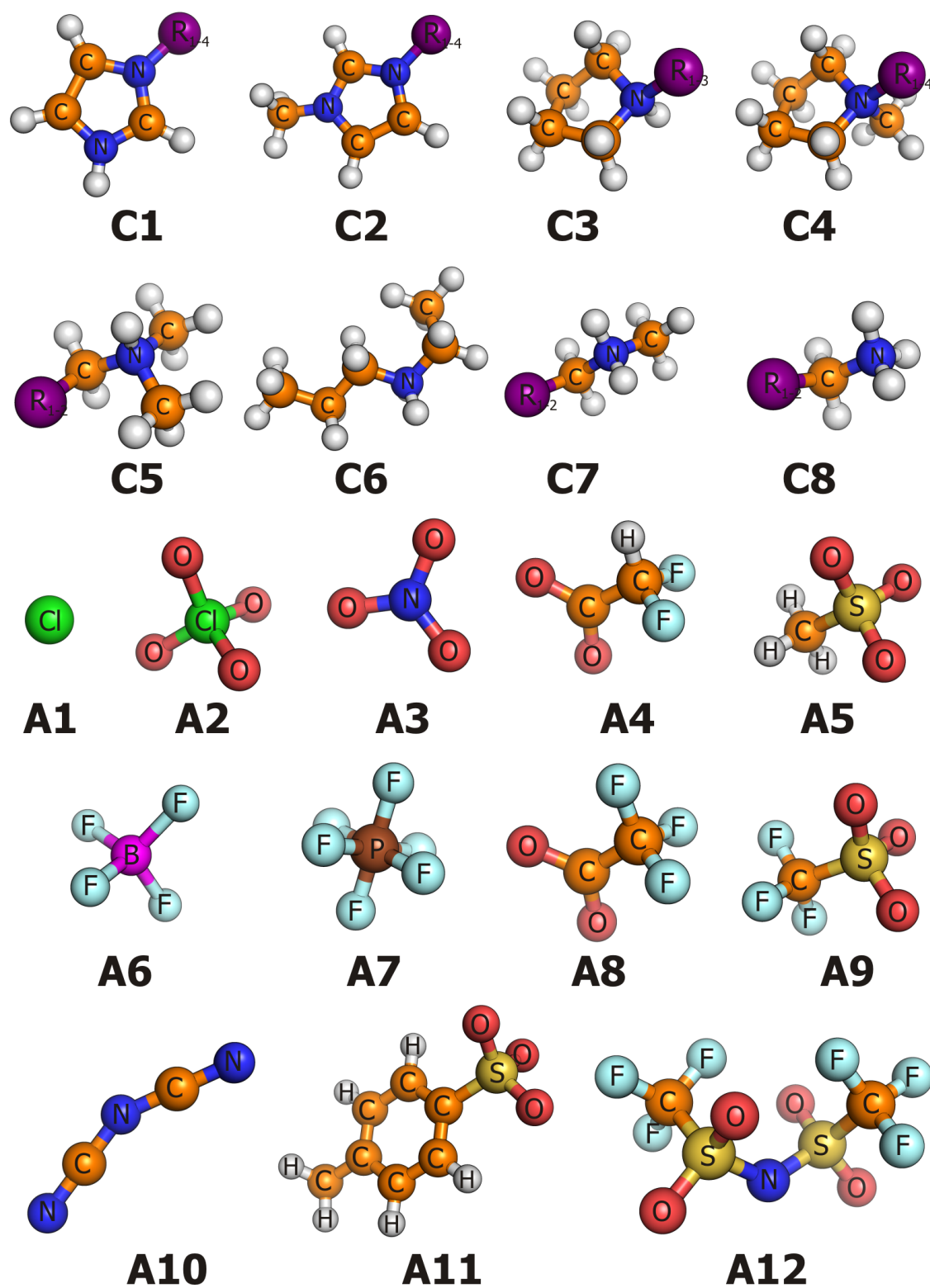


Figure 1: Cations and anions included in the IL-2013 set

Table 2: Interaction energies E in kJ/mol used to calculate the reference energy $E_{CBS}^{CCSD(T)}$ for all structures N of the IL-2013 set. n_{atom} is the number of atoms of the reference structure. All values are counterpoise corrected.

N	n_{atom}	$E_{cc-pVTZ}^{MP2}$	$E_{cc-pVQZ}^{MP2}$	E_{CBS}^{MP2}	E_{small}^{MP2}	$E_{small}^{CCSD(T)}$	$E_{CBS}^{CCSD(T)}$
1	21	-370.6	-374.3	-377.1	-359.7	-362.0	-379.3
2	24	-370.3	-373.8	-376.4	-358.6	-360.8	-378.7
3	24	-364.9	-368.1	-370.4	-354.4	-356.7	-372.7
4	27	-369.7	-373.4	-376.0	-357.7	-360.2	-378.5
5	27	-368.5	-371.9	-374.3	-357.3	-359.6	-376.6
6	30	-369.1	-372.8	-375.6	-357.4	-359.7	-378.0
7	30	-367.3	-370.7	-373.2	-356.6	-358.8	-375.4
8	17	-413.0	-416.6	-419.3	-404.7	-405.2	-419.8
9	20	-403.9	-407.6	-410.3	-395.8	-396.2	-410.8
10	20	-411.2	-410.2	-409.4	-395.2	-396.1	-410.3
11	20	-405.8	-405.4	-405.1	-390.9	-391.8	-406.0
12	20	-407.9	-411.4	-413.9	-399.7	-400.1	-414.3
13	23	-402.0	-405.7	-408.4	-387.0	-388.8	-410.2
14	23	-409.1	-408.0	-407.3	-403.6	-404.4	-408.1
15	23	-405.5	-405.7	-405.9	-396.8	-397.6	-406.7
16	23	-408.4	-412.0	-414.5	-393.6	-395.4	-416.4
17	26	-401.4	-405.2	-408.0	-386.5	-388.2	-409.6
18	26	-408.3	-407.7	-407.2	-402.9	-403.8	-408.0
19	26	-405.0	-405.4	-405.6	-395.7	-396.3	-406.2
20	26	-407.2	-410.7	-413.2	-392.3	-394.1	-415.0
21	21	-367.6	-371.9	-375.0	-353.9	-347.7	-368.7
22	21	-355.8	-357.0	-357.9	-349.0	-345.3	-354.1
23	24	-366.3	-370.0	-372.7	-353.4	-346.6	-365.9
24	24	-363.9	-367.5	-370.1	-350.8	-344.7	-364.0
25	24	-368.7	-372.4	-375.1	-355.2	-348.2	-368.2
26	24	-365.2	-368.8	-371.5	-352.4	-345.7	-364.8
27	24	-363.0	-366.9	-369.8	-349.7	-343.4	-363.4
28	24	-360.2	-364.4	-367.4	-346.8	-340.4	-361.0
29	27	-364.3	-367.9	-370.6	-351.3	-344.4	-363.6
30	27	-362.3	-366.3	-369.3	-348.2	-341.2	-362.2

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Table 2 – continued from previous page

N	n_{atom}	$E_{cc-pVTZ}^{MP2}$	$E_{cc-pVQZ}^{MP2}$	E_{CBS}^{MP2}	E_{small}^{MP2}	$E_{small}^{CCSD(T)}$	$E_{CBS}^{CCSD(T)}$
31	27	-359.1	-361.1	-362.6	-349.9	-344.5	-357.2
32	27	-370.8	-374.9	-377.8	-356.4	-349.1	-370.5
33	27	-361.4	-365.3	-368.2	-348.0	-341.3	-361.5
34	27	-357.3	-361.5	-364.5	-344.0	-337.6	-358.1
35	30	-363.9	-367.5	-370.2	-346.5	-340.4	-364.0
36	30	-370.5	-374.9	-378.2	-352.0	-345.6	-371.8
37	30	-360.2	-364.1	-367.0	-343.4	-337.8	-361.4
38	24	-410.6	-414.8	-417.7	-396.5	-396.1	-417.4
39	27	-410.8	-415.0	-418.0	-395.3	-394.4	-417.0
40	27	-404.1	-408.3	-411.3	-390.8	-390.6	-411.1
41	30	-412.1	-416.4	-419.5	-397.3	-396.6	-418.8
42	30	-401.5	-405.6	-408.6	-391.0	-391.0	-408.7
43	33	-411.4	-415.9	-419.1	-396.6	-395.9	-418.4
44	33	-400.1	-403.8	-406.6	-389.4	-389.5	-406.7
45	31	-350.2	-353.1	-355.2	-339.9	-335.8	-351.1
46	31	-339.2	-338.7	-338.3	-340.0	-338.8	-337.1
47	31	-338.1	-340.3	-341.8	-330.1	-330.9	-342.6
48	34	-350.5	-353.6	-355.9	-338.8	-334.7	-351.9
49	34	-341.2	-341.2	-341.2	-338.6	-336.8	-339.5
50	34	-337.9	-340.2	-341.8	-329.6	-330.3	-342.5
51	34	-341.9	-344.9	-347.0	-332.8	-329.7	-343.9
52	37	-351.0	-354.2	-356.6	-338.4	-334.1	-352.3
53	37	-342.1	-342.3	-342.4	-338.3	-336.3	-340.5
54	37	-338.3	-340.4	-341.9	-329.5	-330.1	-342.6
55	37	-335.8	-338.6	-340.6	-326.2	-322.8	-337.2
56	23	-348.3	-351.9	-354.4	-336.7	-338.7	-356.5
57	26	-348.2	-351.7	-354.3	-335.4	-337.2	-356.2
58	26	-342.5	-345.7	-348.0	-331.2	-333.2	-350.0
59	29	-335.4	-338.8	-341.3	-322.4	-323.9	-342.8
60	29	-339.9	-343.0	-345.3	-328.9	-330.8	-347.3
61	32	-347.7	-351.9	-354.9	-336.0	-337.8	-356.7
62	32	-338.4	-341.6	-344.0	-329.4	-331.3	-345.8
63	40	-400.3	-406.0	-410.1	-384.3	-383.5	-409.2

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Table 2 – continued from previous page

N	n_{atom}	$E_{cc-pVTZ}^{MP2}$	$E_{cc-pVQZ}^{MP2}$	E_{CBS}^{MP2}	E_{small}^{MP2}	$E_{small}^{CCSD(T)}$	$E_{CBS}^{CCSD(T)}$
64	26	-366.5	-368.1	-369.4	-361.2	-361.7	-369.9
65	26	-359.6	-360.3	-360.8	-355.2	-355.4	-361.0
66	29	-363.2	-365.0	-366.3	-357.9	-358.5	-366.8
67	29	-349.5	-350.9	-351.9	-343.8	-344.1	-352.2
68	29	-355.7	-356.9	-357.7	-351.5	-351.9	-358.1
69	32	-362.5	-363.7	-364.6	-354.7	-355.1	-365.1
70	32	-347.2	-348.5	-349.5	-339.5	-339.9	-349.8
71	32	-354.6	-355.3	-355.8	-347.8	-348.1	-356.0
72	35	-360.7	-362.4	-363.6	-353.4	-353.9	-364.1
73	35	-345.9	-347.2	-348.2	-338.5	-338.9	-348.5
74	35	-353.4	-354.1	-354.6	-346.7	-346.9	-354.9
75	22	-401.8	-400.9	-400.2	-395.3	-393.4	-398.4
76	25	-401.5	-400.9	-400.5	-394.2	-392.0	-398.3
77	25	-386.9	-386.2	-385.6	-379.4	-377.2	-383.4
78	25	-396.4	-395.6	-395.0	-389.8	-388.0	-393.2
79	28	-399.8	-399.4	-399.1	-392.3	-390.1	-396.9
80	28	-383.7	-383.6	-383.4	-376.3	-374.5	-381.7
81	28	-394.5	-393.7	-393.1	-387.9	-385.9	-391.2
82	31	-398.2	-397.7	-397.3	-400.6	-399.2	-395.8
83	31	-383.2	-382.9	-382.7	-385.7	-384.1	-381.1
84	31	-392.6	-392.0	-391.6	-396.4	-395.0	-390.2
85	26	-351.3	-353.0	-354.2	-344.3	-341.0	-350.8
86	26	-357.9	-359.6	-360.9	-350.4	-346.4	-356.9
87	26	-337.8	-338.7	-339.3	-334.5	-331.0	-335.8
88	26	-357.0	-358.6	-359.8	-349.7	-346.0	-356.1
89	29	-346.7	-348.2	-349.2	-339.7	-336.2	-345.7
90	29	-350.4	-351.9	-352.9	-342.2	-338.0	-348.8
91	29	-346.7	-348.2	-349.2	-339.7	-336.1	-345.7
92	29	-350.3	-351.8	-353.0	-342.1	-338.0	-348.9
93	29	-353.4	-355.2	-356.4	-346.1	-342.0	-352.3
94	29	-353.4	-355.2	-356.5	-346.1	-342.0	-352.4
95	32	-347.6	-349.0	-350.1	-335.5	-332.5	-347.1
96	32	-347.9	-349.4	-350.5	-334.8	-331.4	-347.2

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Table 2 – continued from previous page

N	n_{atom}	$E_{cc-pVTZ}^{MP2}$	$E_{cc-pVQZ}^{MP2}$	E_{CBS}^{MP2}	E_{small}^{MP2}	$E_{small}^{CCSD(T)}$	$E_{CBS}^{CCSD(T)}$
97	32	-349.2	-350.9	-352.1	-337.2	-334.2	-349.1
98	32	-324.8	-325.3	-325.6	-319.5	-316.7	-322.8
99	32	-345.5	-347.2	-348.4	-333.7	-330.5	-345.3
100	32	-352.1	-353.9	-355.3	-340.3	-336.9	-351.9
101	35	-343.0	-344.4	-345.4	-331.6	-328.3	-342.1
102	35	-346.5	-347.8	-348.8	-333.7	-330.3	-345.4
103	35	-347.5	-349.1	-350.3	-334.9	-331.9	-347.2
104	35	-346.4	-347.9	-348.9	-333.7	-330.3	-345.5
105	35	-347.8	-349.3	-350.4	-336.5	-333.2	-347.2
106	35	-350.4	-352.1	-353.3	-338.6	-335.2	-349.9
107	29	-403.9	-405.1	-405.9	-397.1	-396.3	-405.1
108	29	-392.1	-392.1	-392.1	-387.9	-386.9	-391.2
109	32	-402.0	-403.0	-403.7	-393.7	-393.0	-403.1
110	32	-386.1	-386.9	-387.5	-377.2	-376.7	-386.9
111	32	-390.5	-390.7	-390.8	-384.3	-383.6	-390.0
112	35	-400.9	-402.1	-403.0	-392.6	-391.9	-402.3
113	35	-383.3	-384.3	-385.0	-374.6	-374.2	-384.5
114	35	-389.2	-389.7	-390.0	-383.2	-382.5	-389.3
115	38	-399.0	-400.4	-401.5	-391.0	-390.3	-400.8
116	38	-382.5	-383.1	-383.5	-373.8	-373.3	-383.0
117	38	-387.8	-388.3	-388.6	-381.8	-381.1	-387.9
118	36	-335.7	-335.1	-334.6	-333.6	-331.0	-332.1
119	36	-327.1	-327.6	-328.0	-323.9	-323.2	-327.3
120	36	-333.8	-333.0	-332.5	-332.7	-330.2	-330.0
121	36	-329.6	-329.9	-330.1	-325.5	-324.7	-329.4
122	39	-333.7	-333.7	-333.8	-331.3	-328.8	-331.2
123	39	-323.9	-324.5	-324.9	-320.3	-319.6	-324.2
124	39	-326.5	-325.9	-325.5	-324.1	-321.7	-323.1
125	39	-319.9	-320.7	-321.2	-314.4	-313.6	-320.4
126	39	-322.5	-322.9	-323.1	-318.3	-317.7	-322.5
127	42	-333.0	-332.9	-332.8	-330.2	-327.7	-330.3
128	28	-342.8	-343.9	-344.8	-337.1	-337.2	-344.8
129	28	-336.8	-337.1	-337.4	-331.5	-331.5	-337.3

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Table 2 – continued from previous page

N	n_{atom}	$E_{cc-pVTZ}^{MP2}$	$E_{cc-pVQZ}^{MP2}$	E_{CBS}^{MP2}	E_{small}^{MP2}	$E_{small}^{CCSD(T)}$	$E_{CBS}^{CCSD(T)}$
130	31	-337.2	-338.6	-339.6	-331.3	-331.4	-339.7
131	31	-326.3	-327.5	-328.3	-320.0	-320.1	-328.4
132	31	-332.9	-333.5	-334.0	-327.2	-327.3	-334.1
133	34	-339.3	-340.2	-340.9	-332.6	-332.8	-341.0
134	34	-324.2	-325.0	-325.7	-317.6	-317.8	-325.8
135	34	-331.8	-332.3	-332.6	-326.0	-326.1	-332.7
136	37	-337.5	-338.8	-339.8	-331.3	-331.4	-340.0
137	37	-323.3	-324.1	-324.6	-316.8	-317.0	-324.8
138	37	-330.7	-331.3	-331.8	-325.0	-325.1	-332.0
139	39	-392.5	-394.5	-395.9	-384.5	-384.1	-395.5
140	45	-389.5	-391.7	-393.3	-381.3	-380.8	-392.8
141	45	-372.5	-373.9	-374.9	-363.4	-363.2	-374.7
142	25	-481.1	-478.1	-476.0	-480.5	-479.4	-474.9
143	21	-496.1	-493.3	-491.2	-495.0	-494.4	-490.6
144	18	-509.1	-506.1	-503.9	-495.4	-495.8	-504.3
145	25	-463.5	-460.4	-458.2	-464.1	-463.2	-457.3
146	21	-477.4	-474.4	-472.3	-477.6	-476.9	-471.7
147	18	-492.6	-489.6	-487.4	-479.7	-480.2	-487.9
148	14	-447.1	-444.5	-442.5	-428.8	-425.5	-439.2
149	14	-426.2	-427.8	-429.0	-412.1	-415.4	-432.3
150	17	-442.1	-439.6	-437.7	-427.9	-427.1	-437.0
151	17	-396.1	-399.4	-401.8	-392.5	-390.6	-399.9
152	18	-362.5	-363.0	-363.5	-355.3	-356.6	-364.7
153	18	-359.1	-362.6	-365.1	-357.5	-356.1	-363.7
154	21	-441.1	-440.5	-440.1	-438.1	-437.4	-439.3
155	21	-361.3	-362.3	-363.1	-355.4	-356.9	-364.6
156	21	-397.3	-400.2	-402.3	-387.1	-387.9	-403.1
157	21	-376.9	-378.5	-379.6	-370.4	-371.0	-380.1
158	17	-442.4	-439.6	-437.6	-424.2	-421.1	-434.6
159	17	-441.9	-439.2	-437.2	-423.7	-420.6	-434.1
160	20	-437.5	-434.9	-433.0	-423.4	-422.8	-432.4
161	20	-404.1	-407.4	-409.9	-400.7	-398.1	-407.2
162	21	-392.6	-391.9	-391.4	-391.2	-389.1	-389.4

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Table 2 – continued from previous page

N	n_{atom}	$E_{cc-pVTZ}^{MP2}$	$E_{cc-pVQZ}^{MP2}$	E_{CBS}^{MP2}	E_{small}^{MP2}	$E_{small}^{CCSD(T)}$	$E_{CBS}^{CCSD(T)}$
163	21	-376.0	-378.6	-380.6	-365.7	-364.8	-379.6
164	24	-426.0	-424.8	-423.9	-424.2	-421.2	-420.9
165	24	-386.9	-385.5	-384.5	-384.3	-381.6	-381.7
166	24	-430.7	-433.2	-435.1	-420.4	-420.0	-434.7
167	24	-388.2	-388.9	-389.4	-383.8	-383.7	-389.3
168	20	-441.1	-438.3	-436.3	-423.0	-419.9	-433.2
169	20	-441.5	-439.0	-437.1	-423.6	-420.5	-434.0
170	23	-428.2	-425.4	-423.3	-428.0	-424.4	-419.7
171	23	-430.8	-430.5	-430.2	-425.7	-424.1	-428.6
172	24	-394.3	-394.6	-394.7	-388.9	-387.7	-393.5
173	24	-362.0	-365.1	-367.3	-353.2	-354.2	-368.3
174	27	-385.5	-383.9	-382.7	-383.8	-380.8	-379.8
175	27	-441.5	-443.5	-445.0	-432.0	-431.2	-444.2
176	27	-390.3	-391.8	-393.0	-381.4	-380.3	-391.9
177	23	-439.3	-436.5	-434.5	-438.0	-435.2	-431.8
178	23	-405.7	-408.6	-410.7	-391.9	-395.5	-414.3
179	26	-426.9	-424.1	-422.1	-426.7	-423.2	-418.6
180	26	-434.6	-432.0	-430.0	-434.9	-433.2	-428.4
181	27	-396.8	-398.2	-399.3	-389.2	-387.4	-397.5
182	27	-395.1	-397.0	-398.4	-386.9	-385.1	-396.7
183	30	-423.2	-422.0	-421.1	-418.7	-416.0	-418.5
184	30	-384.2	-382.6	-381.3	-378.5	-375.9	-378.7
185	30	-440.1	-441.5	-442.5	-430.8	-430.2	-441.8
186	30	-392.1	-392.3	-392.5	-382.2	-381.3	-391.6
187	19	-483.3	-481.4	-480.0	-466.3	-462.2	-475.9
188	22	-464.3	-462.5	-461.2	-461.3	-458.4	-458.3
189	23	-426.5	-426.8	-427.0	-418.0	-414.5	-423.5
190	26	-467.8	-467.9	-467.9	-461.4	-459.1	-465.6
191	26	-419.4	-418.5	-417.8	-414.8	-412.5	-415.5
192	22	-478.1	-476.7	-475.6	-471.5	-467.6	-471.7
193	25	-458.7	-456.7	-455.2	-455.5	-452.3	-452.0
194	26	-419.5	-420.0	-420.4	-411.1	-407.2	-416.5
195	29	-463.7	-463.3	-463.1	-456.9	-454.1	-460.3

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Table 2 – continued from previous page

N	n_{atom}	$E_{cc-pVTZ}^{MP2}$	$E_{cc-pVQZ}^{MP2}$	E_{CBS}^{MP2}	E_{small}^{MP2}	$E_{small}^{CCSD(T)}$	$E_{CBS}^{CCSD(T)}$
196	29	-413.6	-412.3	-411.4	-408.2	-405.4	-408.6
197	25	-409.4	-409.7	-410.0	-399.5	-397.0	-407.5
198	28	-390.6	-390.9	-391.1	-383.8	-381.7	-389.0
199	29	-366.9	-369.1	-370.8	-357.4	-355.3	-368.7
200	32	-406.8	-409.0	-410.7	-394.5	-393.6	-409.8
201	32	-363.1	-364.0	-364.5	-353.5	-352.2	-363.3
202	18	-481.5	-479.3	-477.7	-463.8	-460.4	-474.2
203	21	-467.0	-464.6	-462.8	-464.1	-461.6	-460.3
204	22	-423.5	-423.0	-422.6	-418.4	-415.3	-419.5
205	25	-467.6	-466.9	-466.3	-462.9	-461.1	-464.5
206	25	-414.2	-412.4	-411.2	-411.2	-409.6	-409.6
207	21	-397.1	-397.0	-397.0	-387.1	-385.0	-395.0
208	24	-378.6	-379.0	-379.3	-371.7	-370.4	-378.1
209	25	-357.6	-359.4	-360.7	-349.1	-347.5	-359.1
210	28	-392.8	-394.2	-395.3	-384.2	-383.5	-394.6
211	28	-348.3	-349.5	-350.4	-340.2	-339.9	-350.1
212	15	-487.8	-485.0	-483.0	-468.8	-466.2	-480.4
213	18	-477.6	-474.8	-472.7	-462.4	-461.6	-472.0
214	19	-436.7	-437.3	-437.7	-427.3	-425.8	-436.2
215	22	-480.2	-479.9	-479.6	-477.2	-476.3	-478.6
216	22	-437.4	-435.7	-434.6	-433.9	-432.3	-432.9
217	18	-485.4	-483.4	-481.9	-467.1	-464.2	-478.9
218	21	-475.2	-472.7	-470.8	-472.6	-470.5	-468.6
219	22	-434.9	-435.3	-435.6	-426.3	-423.5	-432.8
220	25	-471.5	-470.9	-470.5	-466.9	-465.0	-468.6
221	25	-435.4	-434.4	-433.7	-431.6	-430.0	-432.2
222	21	-401.2	-402.3	-403.2	-388.6	-386.5	-401.0
223	24	-467.2	-464.6	-462.7	-465.1	-463.0	-460.6
224	25	-361.9	-364.2	-365.9	-352.6	-350.6	-364.0
225	28	-468.2	-466.9	-465.9	-465.3	-463.8	-464.5
226	28	-421.6	-420.5	-419.6	-417.5	-415.9	-418.0
227	12	-500.9	-498.4	-496.6	-481.3	-478.9	-494.3
228	15	-472.8	-470.5	-468.8	-460.2	-461.0	-469.6

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Table 2 – continued from previous page

N	n_{atom}	$E_{cc-pVTZ}^{MP2}$	$E_{cc-pVQZ}^{MP2}$	E_{CBS}^{MP2}	E_{small}^{MP2}	$E_{small}^{CCSD(T)}$	$E_{CBS}^{CCSD(T)}$
229	16	-447.9	-447.3	-446.9	-438.2	-436.1	-444.8
230	19	-465.6	-464.2	-463.3	-455.9	-455.3	-462.7
231	19	-429.9	-428.0	-426.7	-419.0	-418.8	-426.6
232	15	-492.7	-490.5	-488.8	-474.1	-472.0	-486.7
233	18	-479.5	-477.3	-475.6	-465.3	-464.9	-475.3
234	19	-443.6	-444.1	-444.6	-434.1	-432.4	-442.8
235	22	-479.4	-479.5	-479.5	-476.3	-475.7	-479.0
236	22	-437.1	-435.6	-434.5	-434.4	-433.0	-433.0

Table 3: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the BLYP functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-23.7	29.3	-6.6	31.3	31.6	37.0	-18.6	29.5	26.9	35.2
2	-29.0	30.5	-9.3	32.8	32.9	38.9	-22.1	31.9	27.9	37.1
3	-25.8	27.4	-8.7	29.3	30.6	36.1	-20.3	28.2	25.8	34.1
4	-29.6	31.9	-9.8	34.0	34.1	40.2	-22.9	33.3	29.0	38.5
5	-27.7	30.0	-9.5	31.8	32.6	38.6	-22.0	30.6	27.5	36.6
6	-29.6	32.5	-9.9	34.6	34.6	40.9	-23.2	33.8	29.5	39.1
7	-27.4	30.2	-9.2	32.0	33.0	38.8	-21.9	30.8	28.0	36.8
8	-9.2	15.4	19.1	26.4	20.3	24.7	-88.1	-5.1	-10.6	11.7
9	-8.2	18.0	20.7	28.4	22.3	27.0	-89.5	-0.4	-9.2	14.5
10	-17.3	0.4	14.7	20.3	16.9	20.4	-87.0	-17.1	-13.5	4.4
11	-14.9	3.6	15.8	21.7	18.6	22.2	-86.9	-13.2	-11.9	6.5
12	-8.3	16.4	19.7	27.1	21.2	25.8	-87.9	-4.1	-9.7	12.9
13	-6.2	20.3	22.5	30.4	24.2	29.0	-87.9	1.6	-7.3	16.6
14	-16.7	1.0	15.0	20.7	17.2	20.8	-86.8	-16.7	-13.1	4.9
15	-12.3	9.0	18.9	25.3	21.9	25.8	-87.3	-5.9	-9.3	11.2
16	-5.2	21.8	23.2	31.1	25.0	29.8	-87.3	1.4	-6.7	17.4
17	-5.6	21.0	23.1	31.3	25.0	29.7	-87.6	2.3	-6.7	17.5
18	-15.8	2.5	15.9	22.2	18.3	22.0	-86.3	-15.1	-12.3	6.6

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Table 3 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
19	-11.3	10.9	19.8	26.7	22.8	26.9	-87.2	-3.7	-8.5	12.9
20	-4.7	22.4	23.7	31.7	25.5	30.4	-87.1	2.0	-6.1	18.1
21	14.3	38.9	22.1	40.3	44.5	46.2	9.5	38.2	39.1	43.4
22	-5.1	12.5	4.8	19.5	27.6	28.6	-6.6	16.5	22.7	25.5
23	16.1	41.2	24.2	43.0	47.8	49.5	11.8	40.3	42.0	46.5
24	13.4	38.7	21.6	40.5	44.9	46.3	8.7	37.9	39.1	43.5
25	13.2	39.7	21.7	41.4	45.6	47.2	8.2	38.8	39.9	44.6
26	13.4	37.7	21.2	39.2	43.9	45.5	8.9	36.7	38.4	42.7
27	14.0	38.7	21.8	39.8	44.4	46.1	9.1	37.7	38.9	43.3
28	16.5	41.2	24.0	42.2	46.2	48.0	11.8	40.1	40.9	45.3
29	16.8	42.2	24.8	43.8	48.5	50.2	12.5	41.1	42.8	47.3
30	16.5	44.5	25.3	45.5	49.4	51.2	12.0	43.1	43.7	48.6
31	3.9	26.1	13.8	31.1	38.6	39.8	1.6	29.0	32.8	36.6
32	15.4	44.2	24.3	45.4	49.3	51.1	10.7	43.3	43.4	48.5
33	18.2	43.0	25.5	43.7	47.9	49.9	13.4	41.3	42.6	47.2
34	17.5	42.2	24.8	42.9	46.9	48.7	12.5	40.6	41.6	46.1
35	18.2	43.8	26.3	45.5	50.2	52.0	13.8	42.7	44.4	49.1
36	18.1	47.5	27.0	48.6	52.3	54.2	13.2	46.5	46.4	51.7
37	20.0	44.7	27.2	45.4	49.5	51.6	15.1	42.9	44.3	48.9
38	7.1	43.1	18.9	42.5	43.6	48.4	-22.4	37.4	33.7	44.1
39	7.4	45.1	21.8	45.9	45.8	51.0	-25.7	40.8	35.3	46.7
40	7.3	43.7	19.3	43.2	44.5	49.6	-22.8	37.7	34.7	45.4
41	8.1	48.0	22.9	48.8	48.5	53.8	-26.1	43.7	37.7	49.5
42	8.1	44.6	19.9	43.9	45.4	50.5	-22.5	38.2	35.6	46.3
43	9.0	49.7	23.9	50.3	49.8	55.3	-25.6	45.2	38.9	51.1
44	8.1	44.7	19.8	43.9	45.4	50.5	-22.6	38.2	35.7	46.4
45	15.7	49.9	26.6	52.9	55.4	62.7	-5.7	44.2	51.7	58.7
46	-8.7	7.8	-1.1	15.5	25.4	29.1	-25.2	6.2	21.0	25.1
47	5.8	34.4	16.7	36.5	40.5	46.1	-9.9	29.5	37.1	42.6
48	16.3	55.6	28.8	59.5	61.0	69.4	-5.7	50.3	57.7	65.5
49	-7.4	19.1	3.9	26.7	35.2	40.1	-23.4	17.4	30.7	36.0
50	4.5	36.3	17.4	38.7	42.8	49.0	-12.8	32.0	39.4	45.3

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Table 3 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
51	14.8	49.0	26.4	51.6	54.9	62.0	-5.2	43.6	51.3	57.8
52	17.5	59.0	30.8	62.8	63.8	72.7	-4.3	53.8	60.6	68.9
53	-5.8	23.6	6.4	30.5	38.9	44.2	-22.6	22.0	34.2	40.0
54	4.5	38.1	18.2	40.3	44.4	50.8	-12.7	33.8	40.9	47.1
55	15.9	50.6	27.6	52.9	55.3	62.4	-3.0	44.7	52.0	58.4
56	-14.4	33.1	6.1	35.9	32.3	38.3	-24.7	27.9	27.0	35.7
57	-18.8	36.4	4.4	39.6	34.9	41.8	-28.8	31.8	29.7	39.2
58	-14.5	33.1	5.7	35.6	32.2	38.5	-24.7	27.8	27.1	35.8
59	-16.0	36.8	4.6	38.3	33.3	40.3	-28.8	30.8	28.3	37.9
60	-14.3	33.2	5.6	35.6	32.3	38.7	-24.8	27.7	27.2	36.0
61	-18.8	39.9	5.1	42.9	37.8	45.3	-29.5	35.3	32.4	42.8
62	-14.2	33.3	5.8	35.7	32.4	38.8	-24.8	27.8	27.4	36.1
63	19.7	56.5	32.1	55.9	53.4	58.5	-12.1	53.8	45.6	56.3
64	-47.9	6.4	-26.0	13.8	21.6	25.8	-37.2	13.8	15.7	23.2
65	-46.8	0.3	-26.6	8.5	17.1	21.0	-35.5	8.8	11.7	18.5
66	-46.9	8.1	-25.6	15.0	22.7	27.1	-37.0	15.0	16.8	24.6
67	-45.0	6.3	-25.7	13.1	19.5	23.8	-35.9	13.2	14.3	21.7
68	-46.1	1.9	-26.3	9.7	18.2	22.4	-35.4	10.0	12.8	19.9
69	-46.9	9.0	-26.2	15.6	22.9	27.5	-37.6	15.5	16.9	25.0
70	-45.7	6.2	-26.2	12.9	19.4	23.9	-36.8	13.0	14.3	21.8
71	-45.9	2.3	-26.6	9.9	18.2	22.6	-35.8	10.1	12.9	20.1
72	-46.2	9.6	-25.6	16.2	23.5	28.1	-37.2	16.1	17.6	25.7
73	-45.1	6.7	-25.8	13.4	19.9	24.5	-36.5	13.3	14.8	22.4
74	-45.8	2.6	-26.5	10.2	18.5	22.9	-35.8	10.3	13.2	20.4
75	-18.4	0.1	13.5	19.1	17.1	20.6	-94.0	-18.3	-13.4	4.0
76	-15.2	5.1	15.8	22.3	19.7	23.6	-91.6	-13.9	-11.2	8.0
77	-16.5	3.8	13.4	19.7	17.2	21.0	-90.7	-14.1	-12.8	6.0
78	-16.9	1.8	14.4	20.1	18.1	21.6	-92.5	-16.7	-12.2	5.4
79	-14.6	6.6	16.3	23.4	20.4	24.5	-91.3	-12.3	-10.8	9.4
80	-14.9	5.5	14.7	21.0	18.5	22.3	-89.0	-12.5	-11.3	7.6
81	-16.6	2.8	14.6	20.8	18.4	22.1	-92.3	-15.7	-12.1	6.3
82	-13.7	7.5	17.2	24.2	21.2	25.3	-90.5	-11.4	-9.9	10.4

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Table 3 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
83	-14.8	5.7	15.2	21.9	19.1	23.0	-89.7	-12.7	-11.0	8.3
84	-15.6	3.8	15.4	21.7	19.2	23.1	-91.4	-14.8	-11.1	7.4
85	-9.2	13.8	1.1	18.0	26.2	26.7	-13.0	15.9	19.9	23.4
86	-4.4	17.8	5.8	22.1	30.3	30.9	-7.6	19.8	24.1	27.6
87	1.6	19.0	8.8	21.9	32.4	33.0	-1.4	19.4	26.6	29.7
88	-4.1	16.9	5.8	21.1	29.8	30.3	-6.8	18.7	23.7	27.0
89	-8.4	14.7	1.4	18.4	26.4	27.0	-12.5	16.3	20.1	23.7
90	-4.0	19.1	6.1	22.8	30.3	31.0	-6.8	20.8	24.2	27.8
91	-8.5	14.8	1.3	18.5	26.3	27.0	-12.6	16.4	20.0	23.8
92	-3.9	19.2	6.2	22.9	30.4	31.1	-6.6	20.9	24.2	28.0
93	-3.5	18.9	6.4	22.8	31.0	31.6	-7.0	20.5	24.8	28.4
94	-3.3	18.9	6.5	22.8	31.2	31.7	-6.9	20.5	25.0	28.4
95	-4.7	19.3	4.1	22.2	29.4	30.0	-9.2	20.3	22.9	26.9
96	-2.9	20.3	7.2	23.9	31.4	32.1	-5.7	21.9	25.2	29.0
97	-4.6	19.7	4.2	22.7	29.7	30.4	-9.2	20.9	23.1	27.2
98	4.1	21.7	10.4	23.6	33.4	34.2	0.5	21.6	27.8	31.0
99	-1.7	20.3	7.3	23.7	30.9	31.7	-5.5	21.3	24.8	28.6
100	-2.1	20.4	7.5	24.2	32.4	33.0	-6.0	21.8	26.0	29.7
101	2.0	21.2	9.8	24.6	31.7	32.3	-1.6	21.5	25.8	29.4
102	-3.0	20.1	7.1	23.8	31.5	32.2	-6.0	21.6	25.3	29.1
103	-3.6	21.4	5.4	24.1	30.7	31.6	-7.9	22.4	24.2	28.5
104	-2.8	20.1	7.3	23.9	31.7	32.2	-5.8	21.6	25.5	29.1
105	-1.2	19.9	8.4	23.8	32.1	32.8	-4.2	21.2	26.2	29.6
106	-1.8	20.5	7.8	24.3	32.7	33.1	-5.7	21.9	26.3	29.9
107	-11.3	19.0	4.5	26.4	31.5	35.1	-41.3	18.1	20.7	29.9
108	-15.9	7.4	-0.8	17.5	23.5	26.4	-43.6	7.4	13.7	21.1
109	-10.1	22.0	5.7	29.0	33.5	37.5	-40.6	20.4	22.6	32.3
110	-10.2	20.6	4.4	26.6	30.4	34.2	-38.3	19.1	20.1	29.5
111	-13.4	11.6	1.1	20.9	26.2	29.6	-42.4	11.0	16.4	24.4
112	-8.6	24.3	7.2	31.2	35.3	39.2	-39.7	22.4	24.2	34.2
113	-9.6	21.1	5.1	27.1	31.0	34.7	-37.8	19.5	20.8	30.1
114	-12.6	13.6	1.9	22.5	27.6	31.1	-42.1	12.7	17.4	26.1

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Table 3 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
115	-8.2	24.7	7.5	31.5	35.7	39.6	-39.3	22.7	24.6	34.6
116	-9.2	21.4	5.3	27.5	31.5	35.1	-37.8	19.6	21.3	30.5
117	-12.4	14.1	2.1	22.8	27.8	31.5	-42.0	13.0	17.7	26.5
118	-3.5	19.2	4.8	24.6	33.4	37.5	-21.7	16.6	28.5	33.4
119	-2.9	20.4	5.4	22.9	29.0	33.6	-19.6	15.8	25.4	29.7
120	-6.0	14.3	1.4	20.6	30.2	34.3	-23.9	12.4	25.4	30.1
121	-4.3	20.6	5.5	23.4	29.8	34.2	-21.0	16.8	25.8	30.3
122	-0.1	23.8	7.7	28.6	36.3	41.1	-19.8	21.0	31.5	36.9
123	-2.9	22.7	5.7	25.3	31.1	35.8	-19.8	17.7	27.6	32.1
124	-3.6	20.0	4.7	24.9	34.0	38.3	-24.0	17.7	29.1	34.3
125	-2.4	25.2	7.1	27.2	32.6	37.2	-18.9	20.7	28.7	33.6
126	-3.4	22.4	5.8	24.6	30.4	35.1	-19.9	18.0	26.7	31.3
127	-0.9	25.3	8.6	30.0	38.1	42.8	-20.5	22.5	33.0	38.5
128	-34.6	11.5	-9.8	18.8	20.8	25.4	-41.4	11.2	14.5	22.2
129	-35.2	6.7	-11.6	14.7	16.7	21.1	-40.9	7.2	10.9	17.9
130	-33.4	12.6	-9.6	19.5	21.0	26.2	-40.8	12.0	15.0	23.0
131	-33.0	11.3	-10.7	18.0	19.2	24.1	-40.0	11.0	13.6	21.3
132	-34.0	8.3	-10.9	15.8	17.8	22.5	-40.2	8.5	12.1	19.3
133	-33.2	14.6	-9.1	21.2	22.5	28.0	-41.1	13.7	16.2	24.8
134	-33.0	11.3	-10.7	17.9	19.0	24.0	-40.1	10.9	13.5	21.3
135	-33.5	9.1	-10.9	16.5	18.1	23.2	-40.3	9.1	12.4	20.1
136	-32.7	15.1	-8.6	21.7	23.0	28.4	-40.8	14.2	16.7	25.2
137	-32.4	11.9	-10.2	18.5	19.6	24.7	-39.7	11.4	14.2	22.0
138	-33.1	9.9	-10.5	17.2	18.7	23.9	-40.1	9.7	13.0	20.8
139	-2.6	24.2	11.8	30.2	33.6	37.0	-30.1	24.8	25.6	33.8
140	0.0	29.4	14.3	35.0	37.4	41.3	-28.4	29.2	29.1	38.2
141	-1.0	26.1	12.1	30.8	33.0	36.4	-27.4	25.8	25.5	33.6
142	-43.0	-7.8	-28.4	2.5	19.4	21.1	-45.1	-4.2	6.1	14.1
143	-40.7	-8.8	-27.2	1.5	18.3	20.1	-41.5	-4.0	5.2	12.8
144	-39.9	-9.5	-27.1	1.4	18.5	20.3	-40.9	-4.2	5.6	13.0
145	-44.4	-10.9	-29.4	-0.2	17.3	18.9	-46.1	-7.2	5.0	12.4
146	-42.3	-12.0	-28.6	-1.3	16.1	17.7	-43.0	-7.1	3.8	10.7

Continued on next page

Table 3 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
147	-42.8	-12.7	-28.4	-1.0	16.8	18.6	-42.9	-6.9	4.6	11.6
148	-15.5	-4.6	13.1	17.2	14.5	17.2	-74.1	-25.2	-13.4	-0.7
149	-19.2	2.0	10.0	16.5	10.6	14.6	-97.2	-26.1	-20.4	-0.7
150	-37.3	-6.5	-25.8	2.3	18.6	21.1	-42.4	-2.5	6.3	13.6
151	-12.6	25.1	-10.6	26.7	33.0	37.7	-25.4	22.8	21.5	32.1
152	-10.7	8.2	0.0	16.7	18.3	21.5	-31.7	5.9	11.7	17.3
153	3.1	28.3	8.5	28.3	27.1	31.4	-22.8	17.9	20.6	27.6
154	-15.3	3.8	2.0	17.2	22.3	25.0	-34.2	4.7	12.7	19.1
155	-8.6	16.4	3.3	23.3	26.7	30.2	-28.3	13.9	19.9	26.0
156	2.3	28.0	14.1	32.1	32.0	35.8	-24.0	23.7	23.5	31.7
157	-5.0	22.6	4.8	26.0	30.3	34.3	-25.9	17.7	23.1	29.6
158	-15.3	-4.3	13.0	17.1	15.1	17.9	-73.9	-24.8	-12.9	-0.1
159	-15.5	-4.5	12.8	16.9	14.9	17.5	-74.4	-25.3	-13.3	-0.5
160	-36.8	-6.1	-25.6	2.5	19.2	21.7	-42.2	-2.4	6.8	14.0
161	-9.0	29.7	-7.5	30.6	36.8	41.4	-20.2	28.6	24.9	35.8
162	-14.5	2.1	-2.5	13.5	17.0	19.8	-31.1	-0.5	9.8	14.4
163	4.0	30.8	11.5	32.7	32.0	36.9	-22.4	23.6	25.3	32.7
164	-18.5	0.9	-2.5	13.8	19.6	21.8	-33.8	1.8	10.2	16.0
165	-14.2	2.8	-0.7	15.0	19.3	21.9	-30.9	1.6	11.8	16.5
166	-2.2	28.3	12.7	32.9	35.3	39.5	-30.0	24.6	25.3	34.7
167	-13.2	13.9	0.9	22.1	26.9	30.5	-33.3	9.9	19.4	25.6
168	-15.1	-4.1	13.3	17.4	15.6	18.4	-73.9	-24.5	-12.4	0.4
169	-15.2	-3.9	13.2	17.5	15.6	18.3	-74.7	-24.5	-12.6	0.3
170	-37.7	-7.5	-26.3	1.3	17.2	19.9	-42.4	-3.6	5.1	12.3
171	-36.8	2.2	-28.4	8.4	21.8	25.4	-46.8	2.9	8.3	18.4
172	-9.6	9.2	4.0	21.3	22.2	25.8	-32.3	6.4	14.7	20.5
173	-3.0	26.9	7.1	31.1	31.0	35.7	-31.1	22.0	23.5	31.7
174	-15.1	1.4	-1.7	14.0	18.7	21.4	-31.5	0.7	11.5	16.0
175	-9.7	23.6	8.2	30.9	34.1	38.4	-37.7	21.6	23.5	33.5
176	-7.9	21.7	7.7	28.7	32.6	37.3	-32.4	21.4	24.5	33.2
177	-14.6	-3.6	13.7	17.8	16.0	18.8	-73.1	-24.1	-11.9	0.9
178	-13.4	13.3	15.9	23.8	17.9	22.6	-96.2	-9.2	-13.8	9.8

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Table 3 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
179	-37.4	-7.2	-26.0	1.6	17.6	20.3	-42.1	-3.3	5.5	12.6
180	-37.5	-6.7	-26.4	1.7	18.6	21.2	-43.0	-3.2	6.2	13.5
181	-8.3	17.6	4.8	27.0	27.3	31.9	-34.7	13.9	19.8	27.2
182	-6.9	20.1	5.9	28.8	28.8	33.6	-33.9	16.4	21.5	29.1
183	-17.2	2.1	-1.3	14.9	20.8	23.0	-32.5	2.7	11.4	17.2
184	-14.6	1.8	-1.2	14.3	19.1	21.8	-30.9	1.1	11.8	16.4
185	-9.6	19.7	7.7	29.1	32.6	36.5	-36.7	18.5	22.2	31.5
186	-11.5	12.9	4.0	23.4	27.9	31.9	-33.8	13.7	19.8	27.6
187	-16.6	3.7	15.8	22.2	18.5	22.4	-91.3	-19.2	-13.6	5.6
188	-37.3	4.7	-27.5	10.5	25.1	28.8	-48.2	3.4	11.2	21.2
189	-10.4	17.9	4.2	28.7	28.8	33.3	-38.5	12.8	20.2	27.9
190	-14.3	16.7	4.6	27.5	32.0	35.7	-43.1	14.1	20.4	29.8
191	-15.4	10.6	1.2	22.3	27.5	31.2	-39.7	9.2	18.1	26.1
192	-14.8	8.7	18.6	25.9	21.6	26.0	-93.0	-12.9	-11.3	10.1
193	-38.6	4.9	-29.2	10.8	25.1	28.9	-50.2	4.2	10.9	21.5
194	-10.3	19.9	4.7	30.7	30.1	35.2	-39.7	14.6	21.7	29.9
195	-15.0	17.9	5.5	29.2	33.2	37.2	-45.2	15.4	21.5	31.5
196	-16.3	11.4	1.8	23.8	28.7	32.7	-41.9	10.7	19.3	27.7
197	-11.5	12.6	20.3	27.4	24.3	28.5	-91.7	-3.4	-7.6	14.1
198	-30.0	19.0	-24.2	19.2	30.4	34.3	-41.7	18.2	16.9	28.3
199	-2.6	30.9	7.2	35.1	35.6	40.6	-32.7	26.5	27.4	36.2
200	-3.0	34.9	12.6	39.0	41.5	45.9	-35.2	32.7	30.2	41.0
201	-9.6	28.7	4.7	33.7	37.8	42.5	-32.3	26.1	29.5	37.8
202	-16.0	1.7	14.0	20.1	16.2	19.9	-82.6	-22.2	-15.0	2.6
203	-42.2	-3.1	-31.8	4.2	20.2	23.5	-50.3	-1.5	6.2	15.5
204	-15.5	7.3	-2.0	18.6	21.0	24.7	-37.3	2.8	12.6	18.9
205	-17.4	7.4	0.8	20.1	25.5	28.5	-41.2	6.1	14.4	22.3
206	-20.3	0.2	-3.4	13.9	20.5	23.4	-40.9	0.3	11.6	18.1
207	-15.1	6.3	15.9	22.2	18.7	22.6	-89.9	-9.7	-11.5	7.6
208	-29.5	14.3	-23.4	14.9	25.7	29.2	-38.2	14.8	13.2	23.2
209	-7.0	20.8	4.3	27.3	28.1	32.2	-34.2	18.0	20.8	28.0
210	-9.4	21.2	5.9	27.7	31.3	34.9	-37.4	20.6	21.3	30.2

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Table 3 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
211	-4.9	20.6	6.6	25.6	29.4	33.0	-26.8	21.1	21.7	29.4
212	-17.7	-2.3	11.7	17.1	13.9	16.9	-82.9	-25.9	-16.8	-1.2
213	-41.9	-7.3	-31.6	1.2	18.4	21.4	-49.3	-4.9	4.7	13.1
214	-14.2	10.0	1.9	22.7	24.1	28.1	-39.4	7.1	15.8	22.5
215	-20.2	1.7	-0.9	16.3	23.1	26.0	-43.1	1.6	12.5	19.5
216	-20.5	2.3	-3.3	16.3	21.8	24.9	-40.1	0.3	13.3	18.7
217	-17.1	1.0	14.4	20.4	16.5	19.9	-87.9	-21.2	-15.1	2.2
218	-43.8	-4.5	-33.3	3.5	19.7	23.3	-52.4	-2.4	5.5	15.1
219	-11.8	15.1	3.8	27.0	27.3	31.7	-38.8	11.9	18.6	26.0
220	-16.7	10.2	1.3	23.0	27.7	30.7	-40.0	8.2	16.6	24.4
221	-21.6	7.3	-2.9	20.6	26.6	30.2	-40.8	5.8	17.7	24.2
222	-10.1	16.2	20.7	27.9	24.8	28.9	-88.0	4.3	-7.1	15.2
223	-42.2	-3.2	-32.3	4.4	20.7	24.4	-51.5	-1.7	6.6	16.2
224	-6.6	24.8	3.9	29.3	31.3	35.7	-35.4	22.2	23.1	31.5
225	-17.1	6.7	0.0	19.2	25.2	28.0	-38.3	4.5	14.3	21.5
226	-16.9	7.8	0.1	20.6	26.6	30.3	-41.1	7.7	16.9	24.8
227	-19.1	-3.3	11.7	16.8	13.0	16.0	-88.1	-25.1	-17.6	-2.1
228	-41.9	-12.3	-32.3	-4.1	12.7	15.2	-47.4	-9.0	0.5	7.5
229	-19.0	3.2	-5.3	14.3	17.0	20.0	-40.8	0.2	8.3	14.5
230	-21.3	-1.1	-7.1	9.6	15.2	17.1	-35.4	-1.5	5.8	11.9
231	-20.4	-5.0	-1.9	10.7	16.4	19.2	-36.8	-2.6	8.6	13.9
232	-17.6	-1.2	13.1	18.3	14.8	17.8	-87.8	-22.7	-15.9	0.0
233	-40.7	-3.1	-30.2	4.5	20.5	23.8	-48.7	-0.7	7.2	16.0
234	-10.8	14.9	4.4	26.7	26.7	30.8	-37.7	12.2	18.3	25.3
235	-20.4	5.5	-3.3	17.8	24.6	27.2	-42.7	4.5	13.8	21.2
236	-19.0	1.6	-3.8	14.6	19.1	22.2	-36.3	-0.9	11.4	16.2
MAXD	-47.9	59.0	-33.3	62.8	63.8	72.7	-97.2	53.8	60.6	68.9
MD	-13.2	16.7	3.3	24.5	28.4	32.0	-36.8	12.8	16.7	25.8
MAD	16.8	18.1	13.0	24.6	28.4	32.0	38.3	18.2	20.8	25.8

Table 4: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the BLYP-D3 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-57.5	-4.5	-40.4	-2.5	-2.2	3.2	-52.4	-4.3	-6.9	1.4
2	-66.1	-6.6	-46.5	-4.4	-4.2	1.7	-59.3	-5.2	-9.2	-0.1
3	-59.0	-5.8	-41.9	-3.8	-2.6	2.9	-53.5	-5.0	-7.3	1.0
4	-67.9	-6.4	-48.1	-4.3	-4.3	1.9	-61.3	-5.1	-9.4	0.1
5	-63.7	-6.1	-45.6	-4.3	-3.5	2.5	-58.1	-5.4	-8.6	0.5
6	-68.7	-6.5	-48.9	-4.4	-4.4	1.9	-62.3	-5.2	-9.6	0.1
7	-63.7	-6.1	-45.6	-4.4	-3.3	2.4	-58.3	-5.6	-8.4	0.5
8	-28.6	-4.1	-0.3	6.9	0.8	5.2	-107.6	-24.6	-30.1	-7.7
9	-28.8	-2.6	0.1	7.8	1.7	6.4	-110.2	-21.0	-29.8	-6.2
10	-29.7	-12.1	2.2	7.8	4.5	8.0	-99.5	-29.6	-25.9	-8.0
11	-28.1	-9.7	2.5	8.4	5.3	8.9	-100.2	-26.5	-25.2	-6.7
12	-28.2	-3.4	-0.1	7.2	1.4	5.9	-107.8	-24.0	-29.5	-7.0
13	-27.3	-0.8	1.4	9.4	3.1	8.0	-109.0	-19.5	-28.3	-4.4
14	-29.5	-11.7	2.2	7.9	4.4	8.1	-99.6	-29.5	-25.9	-7.9
15	-28.1	-6.8	3.0	9.5	6.0	10.0	-103.2	-21.8	-25.2	-4.7
16	-27.6	-0.6	0.8	8.7	2.6	7.4	-109.6	-20.9	-29.0	-5.0
17	-27.1	-0.4	1.6	9.8	3.5	8.3	-109.0	-19.1	-28.1	-3.9
18	-29.3	-10.9	2.5	8.8	4.9	8.6	-99.7	-28.6	-25.7	-6.9
19	-28.3	-6.1	2.8	9.7	5.8	9.9	-104.2	-20.7	-25.6	-4.2
20	-27.5	-0.3	1.0	9.0	2.8	7.7	-109.9	-20.8	-28.8	-4.7
21	-24.6	0.1	-16.7	1.5	5.6	7.4	-29.4	-0.6	0.3	4.6
22	-28.5	-10.9	-18.6	-3.9	4.2	5.2	-30.0	-6.9	-0.7	2.2
23	-26.2	-1.0	-18.1	0.8	5.5	7.2	-30.5	-2.0	-0.3	4.2
24	-26.7	-1.4	-18.5	0.5	4.8	6.2	-31.4	-2.1	-0.9	3.4
25	-28.0	-1.4	-19.5	0.2	4.4	6.1	-33.0	-2.4	-1.3	3.4
26	-24.9	-0.6	-17.2	0.9	5.5	7.2	-29.4	-1.6	0.1	4.4
27	-24.8	-0.1	-17.0	1.0	5.6	7.3	-29.7	-1.2	0.1	4.5
28	-23.2	1.5	-15.7	2.4	6.4	8.2	-28.0	0.3	1.1	5.6
29	-26.2	-0.8	-18.2	0.8	5.5	7.2	-30.5	-1.9	-0.2	4.3

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Table 4 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
30	-28.8	-0.8	-20.0	0.2	4.2	6.0	-33.2	-2.1	-1.5	3.3
31	-29.0	-6.9	-19.1	-1.9	5.6	6.8	-31.4	-3.9	-0.2	3.7
32	-29.0	-0.2	-20.2	1.0	4.8	6.6	-33.8	-1.2	-1.0	4.1
33	-24.0	0.7	-16.7	1.5	5.7	7.7	-28.9	-0.9	0.4	5.0
34	-22.6	2.0	-15.3	2.8	6.8	8.6	-27.7	0.5	1.4	6.0
35	-25.4	0.2	-17.4	1.8	6.6	8.3	-29.9	-1.0	0.8	5.5
36	-27.8	1.6	-18.9	2.7	6.4	8.2	-32.7	0.5	0.4	5.7
37	-22.6	2.0	-15.4	2.8	6.9	9.0	-27.5	0.3	1.7	6.3
38	-38.3	-2.3	-26.5	-3.0	-1.8	3.0	-67.8	-8.0	-11.7	-1.3
39	-41.9	-4.2	-27.4	-3.4	-3.5	1.7	-75.0	-8.4	-13.9	-2.6
40	-38.7	-2.3	-26.8	-2.9	-1.5	3.5	-68.8	-8.4	-11.3	-0.7
41	-43.5	-3.6	-28.7	-2.8	-3.1	2.2	-77.8	-7.9	-14.0	-2.1
42	-38.3	-1.9	-26.5	-2.5	-1.1	4.0	-69.0	-8.3	-10.9	-0.2
43	-43.9	-3.3	-29.1	-2.6	-3.1	2.4	-78.6	-7.8	-14.0	-1.8
44	-38.5	-1.9	-26.8	-2.7	-1.2	3.9	-69.2	-8.4	-10.9	-0.2
45	-49.9	-15.6	-38.9	-12.6	-10.1	-2.8	-71.3	-21.4	-13.9	-6.8
46	-41.9	-25.4	-34.3	-17.6	-7.8	-4.1	-58.4	-26.9	-12.2	-8.0
47	-40.0	-11.4	-29.1	-9.3	-5.3	0.3	-55.7	-16.4	-8.7	-3.2
48	-57.8	-18.6	-45.3	-14.6	-13.1	-4.7	-79.8	-23.9	-16.4	-8.7
49	-52.6	-26.1	-41.3	-18.5	-10.0	-5.1	-68.6	-27.8	-14.4	-9.2
50	-44.9	-13.1	-32.1	-10.7	-6.7	-0.5	-62.2	-17.4	-10.1	-4.1
51	-49.5	-15.4	-38.0	-12.7	-9.4	-2.3	-69.5	-20.7	-13.0	-6.5
52	-60.4	-18.9	-47.1	-15.1	-14.1	-5.1	-82.2	-24.1	-17.3	-9.0
53	-55.7	-26.3	-43.5	-19.3	-10.9	-5.6	-72.5	-27.9	-15.7	-9.8
54	-47.0	-13.5	-33.3	-11.2	-7.1	-0.7	-64.3	-17.8	-10.7	-4.4
55	-48.6	-13.9	-37.0	-11.7	-9.2	-2.2	-67.5	-19.9	-12.5	-6.2
56	-53.1	-5.5	-32.5	-2.7	-6.4	-0.4	-63.3	-10.7	-11.7	-3.0
57	-62.7	-7.5	-39.5	-4.3	-8.9	-2.1	-72.7	-12.1	-14.2	-4.7
58	-53.3	-5.7	-33.1	-3.2	-6.7	-0.3	-63.5	-11.0	-11.7	-3.0
59	-59.1	-6.3	-38.6	-4.8	-9.8	-2.8	-72.0	-12.4	-14.8	-5.2
60	-53.2	-5.7	-33.3	-3.2	-6.6	-0.2	-63.7	-11.1	-11.6	-2.9
61	-66.2	-7.6	-42.4	-4.5	-9.6	-2.2	-77.0	-12.2	-15.1	-4.6

Continued on next page

Table 4 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
62	-53.2	-5.7	-33.2	-3.3	-6.6	-0.2	-63.8	-11.2	-11.6	-2.9
63	-35.2	1.6	-22.8	1.0	-1.4	3.7	-67.0	-1.1	-9.2	1.5
64	-77.8	-23.5	-55.8	-16.1	-8.2	-4.1	-67.0	-16.0	-14.1	-6.6
65	-72.3	-25.2	-52.2	-17.1	-8.4	-4.6	-61.1	-16.8	-13.8	-7.1
66	-77.7	-22.7	-56.5	-15.8	-8.1	-3.8	-67.8	-15.8	-14.0	-6.3
67	-71.8	-20.5	-52.5	-13.7	-7.3	-3.0	-62.7	-13.6	-12.6	-5.1
68	-72.4	-24.3	-52.5	-16.5	-8.0	-3.8	-61.7	-16.2	-13.4	-6.3
69	-78.6	-22.7	-57.9	-16.1	-8.8	-4.2	-69.3	-16.2	-14.8	-6.7
70	-73.0	-21.1	-53.5	-14.4	-7.9	-3.4	-64.1	-14.3	-13.0	-5.5
71	-72.7	-24.5	-53.4	-16.9	-8.6	-4.2	-62.6	-16.8	-13.9	-6.7
72	-78.1	-22.3	-57.5	-15.7	-8.3	-3.7	-69.0	-15.8	-14.3	-6.2
73	-72.7	-20.9	-53.4	-14.2	-7.7	-3.1	-64.1	-14.3	-12.8	-5.2
74	-72.8	-24.4	-53.5	-16.8	-8.5	-4.1	-62.9	-16.7	-13.8	-6.6
75	-32.4	-14.0	-0.5	5.1	3.1	6.6	-108.0	-32.4	-27.4	-10.0
76	-31.9	-11.5	-0.8	5.6	3.0	6.9	-108.2	-30.5	-27.8	-8.6
77	-32.0	-11.7	-2.1	4.2	1.7	5.5	-106.2	-29.6	-28.3	-9.6
78	-31.6	-12.9	-0.3	5.4	3.5	7.0	-107.2	-31.4	-26.9	-9.2
79	-31.9	-10.7	-0.9	6.1	3.1	7.2	-108.6	-29.6	-28.1	-7.8
80	-30.8	-10.5	-1.2	5.1	2.5	6.3	-105.0	-28.4	-27.3	-8.4
81	-31.7	-12.4	-0.6	5.7	3.2	7.0	-107.4	-30.9	-27.2	-8.8
82	-31.1	-9.8	-0.2	6.8	3.8	8.0	-107.8	-28.7	-27.3	-7.0
83	-30.9	-10.5	-0.9	5.8	3.0	6.8	-105.8	-28.8	-27.1	-7.9
84	-30.8	-11.5	0.2	6.5	4.0	7.8	-106.6	-30.0	-26.3	-7.9
85	-37.7	-14.6	-27.3	-10.4	-2.2	-1.7	-41.4	-12.5	-8.5	-5.0
86	-36.3	-14.1	-26.1	-9.7	-1.5	-0.9	-39.5	-12.1	-7.7	-4.3
87	-26.2	-8.8	-19.1	-5.9	4.5	5.1	-29.2	-8.4	-1.2	1.8
88	-35.0	-14.0	-25.1	-9.8	-1.1	-0.6	-37.7	-12.2	-7.1	-3.9
89	-37.4	-14.3	-27.6	-10.6	-2.6	-2.0	-41.4	-12.7	-8.9	-5.2
90	-36.1	-13.0	-26.0	-9.2	-1.7	-1.0	-38.8	-11.2	-7.9	-4.2
91	-37.5	-14.2	-27.7	-10.5	-2.7	-1.9	-41.5	-12.6	-9.0	-5.2
92	-35.9	-12.8	-25.8	-9.1	-1.6	-0.9	-38.6	-11.1	-7.8	-4.1
93	-35.9	-13.6	-26.0	-9.6	-1.4	-0.8	-39.4	-12.0	-7.6	-4.1

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Table 4 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
94	-35.8	-13.6	-25.9	-9.6	-1.3	-0.8	-39.4	-12.0	-7.5	-4.1
95	-35.1	-11.1	-26.3	-8.1	-1.0	-0.4	-39.6	-10.1	-7.5	-3.5
96	-35.1	-12.0	-25.1	-8.3	-0.9	-0.1	-37.9	-10.4	-7.0	-3.2
97	-35.1	-10.7	-26.2	-7.8	-0.8	-0.1	-39.7	-9.5	-7.3	-3.2
98	-23.8	-6.2	-17.6	-4.3	5.4	6.3	-27.4	-6.3	-0.1	3.1
99	-33.3	-11.4	-24.4	-8.0	-0.7	0.0	-37.2	-10.4	-6.9	-3.1
100	-34.9	-12.4	-25.3	-8.6	-0.4	0.2	-38.8	-11.0	-6.8	-3.1
101	-30.4	-11.2	-22.6	-7.8	-0.7	-0.1	-34.0	-10.9	-6.6	-3.0
102	-35.3	-12.2	-25.2	-8.4	-0.8	-0.1	-38.3	-10.7	-6.9	-3.2
103	-35.1	-10.2	-26.1	-7.5	-0.8	0.0	-39.5	-9.2	-7.4	-3.1
104	-35.1	-12.1	-24.9	-8.4	-0.5	-0.1	-38.1	-10.6	-6.7	-3.2
105	-33.6	-12.6	-24.0	-8.7	-0.3	0.4	-36.6	-11.2	-6.3	-2.8
106	-34.7	-12.4	-25.1	-8.6	-0.2	0.2	-38.6	-11.0	-6.6	-3.0
107	-49.3	-19.0	-33.4	-11.6	-6.4	-2.8	-79.2	-19.9	-17.2	-8.0
108	-44.6	-21.3	-29.5	-11.2	-5.2	-2.3	-72.2	-21.3	-14.9	-7.6
109	-50.2	-18.2	-34.5	-11.1	-6.7	-2.7	-80.7	-19.7	-17.6	-7.8
110	-46.2	-15.5	-31.6	-9.4	-5.6	-1.8	-74.3	-16.9	-15.9	-6.5
111	-45.0	-19.9	-30.5	-10.6	-5.3	-2.0	-73.9	-20.6	-15.2	-7.1
112	-50.3	-17.4	-34.5	-10.5	-6.4	-2.5	-81.4	-19.3	-17.5	-7.5
113	-46.0	-15.3	-31.4	-9.3	-5.5	-1.7	-74.3	-16.9	-15.6	-6.4
114	-45.4	-19.2	-30.9	-10.3	-5.2	-1.7	-74.9	-20.1	-15.4	-6.7
115	-50.0	-17.1	-34.3	-10.3	-6.2	-2.3	-81.2	-19.1	-17.3	-7.3
116	-46.3	-15.6	-31.7	-9.6	-5.6	-1.9	-74.8	-17.4	-15.8	-6.6
117	-45.5	-19.0	-31.0	-10.3	-5.3	-1.6	-75.1	-20.1	-15.4	-6.6
118	-48.4	-25.8	-40.1	-20.3	-11.5	-7.4	-66.6	-28.3	-16.5	-11.6
119	-41.1	-17.9	-32.8	-15.4	-9.3	-4.7	-57.9	-22.5	-12.8	-8.5
120	-47.1	-26.7	-39.6	-20.4	-10.8	-6.7	-64.9	-28.6	-15.6	-10.9
121	-43.6	-18.7	-33.8	-15.9	-9.5	-5.1	-60.2	-22.5	-13.5	-9.0
122	-46.8	-22.9	-39.0	-18.1	-10.4	-5.6	-66.4	-25.7	-15.2	-9.8
123	-42.9	-17.4	-34.4	-14.8	-9.0	-4.2	-59.8	-22.3	-12.4	-7.9
124	-49.6	-26.0	-41.4	-21.1	-12.0	-7.7	-70.1	-28.4	-16.9	-11.8
125	-44.7	-17.1	-35.2	-15.1	-9.7	-5.0	-61.2	-21.6	-13.6	-8.7

Continued on next page

Table 4 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
126	-43.2	-17.5	-34.0	-15.3	-9.4	-4.7	-59.7	-21.8	-13.1	-8.5
127	-50.3	-24.1	-40.8	-19.4	-11.3	-6.6	-69.9	-26.8	-16.4	-10.9
128	-67.1	-21.0	-42.3	-13.6	-11.7	-7.1	-73.9	-21.3	-18.0	-10.3
129	-63.7	-21.7	-40.1	-13.8	-11.8	-7.4	-69.4	-21.3	-17.6	-10.6
130	-65.9	-19.8	-42.1	-13.0	-11.4	-6.3	-73.3	-20.4	-17.5	-9.5
131	-62.9	-18.5	-40.5	-11.8	-10.6	-5.8	-69.8	-18.8	-16.2	-8.5
132	-63.3	-21.0	-40.2	-13.5	-11.5	-6.8	-69.5	-20.8	-17.2	-10.0
133	-68.2	-20.4	-44.1	-13.7	-12.4	-7.0	-76.1	-21.2	-18.8	-10.2
134	-63.0	-18.8	-40.8	-12.1	-11.1	-6.1	-70.1	-19.2	-16.5	-8.8
135	-63.7	-21.0	-41.0	-13.6	-12.0	-6.9	-70.4	-21.0	-17.8	-10.1
136	-67.8	-20.0	-43.7	-13.4	-12.1	-6.7	-75.8	-20.9	-18.3	-9.9
137	-63.2	-18.8	-41.0	-12.2	-11.1	-6.0	-70.5	-19.4	-16.6	-8.7
138	-63.7	-20.7	-41.1	-13.5	-12.0	-6.7	-70.7	-20.9	-17.7	-9.9
139	-41.2	-14.4	-26.8	-8.4	-5.0	-1.6	-68.7	-13.8	-13.0	-4.8
140	-42.4	-13.0	-28.2	-7.4	-5.0	-1.2	-70.8	-13.3	-13.4	-4.3
141	-38.4	-11.2	-25.2	-6.5	-4.3	-0.9	-64.8	-11.5	-11.8	-3.7
142	-64.6	-29.4	-50.0	-19.1	-2.3	-0.6	-66.8	-25.8	-15.5	-7.6
143	-60.2	-28.4	-46.8	-18.0	-1.3	0.5	-61.1	-23.5	-14.4	-6.8
144	-60.1	-29.7	-47.3	-18.8	-1.7	0.1	-61.1	-24.4	-14.6	-7.2
145	-65.8	-32.4	-50.9	-21.6	-4.2	-2.5	-67.6	-28.6	-16.5	-9.0
146	-61.5	-31.2	-47.8	-20.6	-3.1	-1.6	-62.3	-26.4	-15.5	-8.5
147	-63.0	-32.8	-48.5	-21.2	-3.3	-1.6	-63.1	-27.1	-15.5	-8.5
148	-22.9	-12.0	5.7	9.8	7.1	9.8	-81.5	-32.6	-20.8	-8.1
149	-34.4	-13.2	-5.2	1.3	-4.6	-0.6	-112.4	-41.3	-35.6	-15.9
150	-51.0	-20.2	-39.5	-11.4	4.9	7.4	-56.1	-16.2	-7.4	-0.1
151	-45.2	-7.4	-43.1	-5.9	0.4	5.2	-57.9	-9.8	-11.0	-0.5
152	-31.7	-12.8	-21.0	-4.3	-2.7	0.5	-52.7	-15.1	-9.3	-3.7
153	-29.8	-4.7	-24.5	-4.6	-5.9	-1.6	-55.8	-15.1	-12.4	-5.4
154	-36.3	-17.2	-19.0	-3.8	1.4	4.1	-55.1	-16.3	-8.3	-1.9
155	-39.4	-14.4	-27.5	-7.4	-4.1	-0.6	-59.1	-16.9	-10.9	-4.8
156	-31.3	-5.6	-19.6	-1.5	-1.7	2.2	-57.6	-9.9	-10.1	-1.9
157	-39.3	-11.6	-29.5	-8.3	-4.0	0.0	-60.2	-16.6	-11.1	-4.7

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Table 4 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
158	-22.7	-11.8	5.6	9.6	7.6	10.4	-81.4	-32.3	-20.4	-7.6
159	-23.0	-12.0	5.2	9.4	7.3	10.0	-81.9	-32.8	-20.8	-8.0
160	-50.6	-19.9	-39.4	-11.3	5.4	7.9	-55.9	-16.2	-7.0	0.2
161	-42.0	-3.4	-40.5	-2.4	3.7	8.3	-53.3	-4.5	-8.1	2.8
162	-32.5	-15.9	-20.5	-4.5	-1.0	1.8	-49.1	-18.5	-8.2	-3.6
163	-32.3	-5.5	-24.7	-3.5	-4.2	0.7	-58.6	-12.6	-11.0	-3.6
164	-37.0	-17.6	-21.0	-4.7	1.1	3.3	-52.3	-16.7	-8.3	-2.5
165	-35.8	-18.8	-22.3	-6.7	-2.4	0.3	-52.5	-20.1	-9.9	-5.2
166	-38.8	-8.3	-23.9	-3.7	-1.3	2.9	-66.6	-12.0	-11.3	-1.9
167	-45.1	-18.0	-31.1	-9.9	-5.0	-1.4	-65.2	-22.1	-12.5	-6.4
168	-22.7	-11.7	5.7	9.8	8.0	10.8	-81.5	-32.1	-20.0	-7.2
169	-23.0	-11.7	5.4	9.7	7.8	10.5	-82.5	-32.3	-20.4	-7.5
170	-51.4	-21.2	-40.0	-12.4	3.5	6.2	-56.0	-17.2	-8.6	-1.4
171	-58.6	-19.6	-50.2	-13.4	0.0	3.6	-68.6	-18.9	-13.5	-3.4
172	-34.7	-15.8	-21.1	-3.7	-2.8	0.8	-57.3	-18.6	-10.3	-4.5
173	-39.8	-9.9	-29.7	-5.7	-5.8	-1.1	-67.9	-14.8	-13.3	-5.1
174	-35.7	-19.2	-22.3	-6.7	-1.9	0.8	-52.1	-19.9	-9.1	-4.6
175	-45.7	-12.4	-27.8	-5.0	-1.9	2.4	-73.7	-14.3	-12.5	-2.5
176	-46.1	-16.5	-30.5	-9.5	-5.6	-0.9	-70.6	-16.8	-13.8	-5.0
177	-22.1	-11.2	6.1	10.2	8.5	11.3	-80.6	-31.6	-19.5	-6.6
178	-33.3	-6.6	-4.0	3.9	-2.0	2.6	-116.1	-29.1	-33.7	-10.2
179	-51.1	-20.9	-39.7	-12.1	3.9	6.6	-55.8	-17.0	-8.2	-1.0
180	-51.5	-20.7	-40.4	-12.2	4.7	7.3	-57.0	-17.2	-7.8	-0.5
181	-41.0	-15.1	-27.8	-5.7	-5.3	-0.7	-67.4	-18.7	-12.8	-5.5
182	-41.2	-14.2	-28.5	-5.6	-5.5	-0.7	-68.2	-18.0	-12.9	-5.2
183	-35.7	-16.4	-19.8	-3.6	2.3	4.5	-51.0	-15.8	-7.1	-1.3
184	-35.1	-18.7	-21.7	-6.2	-1.4	1.3	-51.3	-19.4	-8.6	-4.1
185	-43.0	-13.7	-25.6	-4.2	-0.8	3.2	-70.1	-14.8	-11.1	-1.9
186	-43.4	-19.0	-27.9	-8.5	-4.0	0.0	-65.6	-18.1	-12.1	-4.2
187	-32.4	-12.1	0.0	6.4	2.7	6.6	-107.1	-35.0	-29.4	-10.2
188	-63.5	-21.4	-53.6	-15.6	-1.0	2.6	-74.3	-22.8	-15.0	-5.0
189	-48.5	-20.2	-33.9	-9.4	-9.3	-4.8	-76.6	-25.3	-17.9	-10.2

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Table 4 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
190	-53.6	-22.6	-34.7	-11.8	-7.3	-3.6	-82.4	-25.2	-18.9	-9.5
191	-52.6	-26.6	-35.9	-14.9	-9.6	-5.9	-76.9	-28.0	-19.1	-11.1
192	-33.3	-9.8	0.1	7.4	3.2	7.5	-111.4	-31.3	-29.7	-8.4
193	-65.2	-21.7	-55.9	-15.8	-1.6	2.3	-76.8	-22.5	-15.8	-5.1
194	-51.2	-21.1	-36.2	-10.2	-10.8	-5.7	-80.6	-26.3	-19.2	-11.0
195	-56.4	-23.4	-35.9	-12.2	-8.1	-4.1	-86.5	-25.9	-19.8	-9.9
196	-56.1	-28.4	-38.0	-15.9	-11.1	-7.1	-81.7	-29.1	-20.5	-12.1
197	-31.4	-7.3	0.4	7.5	4.4	8.6	-111.6	-23.3	-27.5	-5.8
198	-60.6	-11.6	-54.8	-11.3	-0.2	3.7	-72.3	-12.4	-13.7	-2.3
199	-46.1	-12.6	-36.4	-8.5	-8.0	-2.9	-76.3	-17.0	-16.1	-7.3
200	-50.7	-12.8	-35.1	-8.7	-6.2	-1.8	-82.9	-15.0	-17.5	-6.7
201	-57.1	-18.8	-42.8	-13.7	-9.6	-5.0	-79.8	-21.3	-18.0	-9.7
202	-29.3	-11.6	0.7	6.9	3.0	6.6	-95.8	-35.5	-28.3	-10.6
203	-64.0	-24.9	-53.6	-17.7	-1.7	1.6	-72.1	-23.3	-15.7	-6.3
204	-43.8	-21.0	-30.3	-9.7	-7.3	-3.6	-65.6	-25.5	-15.7	-9.4
205	-48.2	-23.4	-30.0	-10.7	-5.3	-2.3	-72.0	-24.7	-16.4	-8.5
206	-49.4	-29.0	-32.6	-15.2	-8.7	-5.7	-70.0	-28.9	-17.6	-11.1
207	-31.5	-10.1	-0.4	5.8	2.4	6.2	-106.3	-26.1	-27.9	-8.8
208	-56.0	-12.2	-49.9	-11.6	-0.8	2.7	-64.7	-11.7	-13.3	-3.3
209	-43.9	-16.1	-32.6	-9.5	-8.8	-4.7	-71.1	-18.9	-16.1	-8.9
210	-46.8	-16.2	-31.4	-9.7	-6.0	-2.5	-74.8	-16.8	-16.0	-7.2
211	-41.6	-16.0	-30.1	-11.0	-7.3	-3.7	-63.4	-15.5	-15.0	-7.3
212	-28.8	-13.3	0.6	6.1	2.8	5.9	-93.9	-36.9	-27.9	-12.2
213	-60.0	-25.3	-49.6	-16.8	0.3	3.4	-67.4	-23.0	-13.4	-4.9
214	-45.7	-21.5	-29.6	-8.8	-7.4	-3.4	-70.9	-24.4	-15.8	-9.0
215	-45.2	-23.2	-25.8	-8.6	-1.9	1.0	-68.1	-23.3	-12.4	-5.5
216	-49.8	-27.1	-32.6	-13.1	-7.5	-4.5	-69.4	-29.0	-16.0	-10.6
217	-30.6	-12.6	0.9	6.9	2.9	6.4	-101.5	-34.7	-28.6	-11.3
218	-64.9	-25.6	-54.4	-17.6	-1.4	2.1	-73.6	-23.5	-15.7	-6.1
219	-48.1	-21.2	-32.5	-9.3	-9.0	-4.6	-75.1	-24.4	-17.6	-10.3
220	-49.7	-22.8	-31.7	-10.0	-5.3	-2.2	-72.9	-24.8	-16.3	-8.6
221	-55.8	-26.9	-37.1	-13.5	-7.6	-3.9	-75.0	-28.3	-16.4	-10.0

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Table 4 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
222	-31.0	-4.7	-0.2	7.0	3.9	8.0	-108.9	-16.6	-28.0	-5.7
223	-63.5	-24.4	-53.6	-16.9	-0.5	3.1	-72.7	-23.0	-14.7	-5.1
224	-47.1	-15.7	-36.6	-11.3	-9.3	-4.8	-75.9	-18.3	-17.4	-9.0
225	-44.5	-20.8	-27.4	-8.2	-2.2	0.6	-65.8	-22.9	-13.1	-5.9
226	-52.1	-27.4	-35.0	-14.5	-8.6	-4.9	-76.2	-27.4	-18.2	-10.3
227	-30.2	-14.4	0.5	5.6	1.8	4.8	-99.3	-36.2	-28.8	-13.3
228	-55.8	-26.2	-46.1	-18.0	-1.2	1.4	-61.3	-22.9	-13.4	-6.3
229	-43.6	-21.4	-29.8	-10.3	-7.6	-4.6	-65.3	-24.4	-16.3	-10.0
230	-38.7	-18.5	-24.5	-7.8	-2.3	-0.3	-52.8	-18.9	-11.6	-5.5
231	-41.5	-26.1	-23.0	-10.5	-4.7	-1.9	-57.9	-23.7	-12.5	-7.2
232	-29.6	-13.2	1.1	6.3	2.8	5.9	-99.8	-34.7	-27.8	-11.9
233	-61.3	-23.7	-50.8	-16.0	0.0	3.3	-69.2	-21.3	-13.3	-4.5
234	-45.1	-19.4	-29.9	-7.5	-7.5	-3.5	-72.0	-22.1	-15.9	-8.9
235	-47.8	-21.9	-30.7	-9.7	-2.8	-0.2	-70.1	-22.9	-13.6	-6.2
236	-44.9	-24.3	-29.7	-11.3	-6.7	-3.7	-62.2	-26.8	-14.5	-9.7
MAXD	-78.6	-32.8	-57.9	-21.6	-14.1	11.3	-116.1	-41.3	-35.6	-15.9
MD	-44.3	-14.4	-27.8	-6.5	-2.7	0.9	-67.9	-18.3	-14.4	-5.3
MAD	44.3	14.5	28.3	9.2	5.2	4.1	67.9	18.3	14.4	6.1

Table 5: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the BP86 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-16.3	28.4	-3.7	28.4	27.0	32.3	-12.1	28.6	24.2	31.0
2	-20.9	29.3	-6.1	29.5	27.9	33.8	-15.2	30.7	25.0	32.4
3	-18.4	26.3	-5.6	26.5	26.0	31.5	-14.0	27.0	23.3	30.1
4	-21.4	30.5	-6.3	30.7	29.2	35.2	-15.7	31.9	26.1	33.8
5	-19.7	28.9	-6.1	28.8	28.0	33.8	-15.1	29.5	24.9	32.3
6	-21.3	31.2	-6.3	31.3	29.7	35.9	-15.9	32.4	26.6	34.4
7	-19.3	29.2	-5.8	29.1	28.5	34.2	-14.9	29.7	25.4	32.6

Continued on next page

Table 5 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
8	-13.4	6.4	10.5	16.2	9.5	13.8	-84.3	-13.1	-15.1	2.9
9	-12.5	8.7	11.9	18.0	11.4	15.8	-85.6	-9.0	-13.8	5.3
10	-21.8	-7.5	7.1	11.6	6.7	10.1	-84.7	-24.8	-18.1	-3.6
11	-19.3	-4.3	8.3	13.0	8.6	11.9	-83.9	-20.7	-16.3	-1.4
12	-12.6	7.4	11.1	17.0	10.5	14.9	-84.1	-12.2	-14.2	4.0
13	-10.6	10.8	13.8	20.0	13.3	17.9	-84.0	-7.2	-11.9	7.4
14	-21.3	-6.8	7.5	12.1	7.2	10.6	-84.4	-24.3	-17.6	-3.0
15	-17.1	0.2	10.7	15.8	11.2	14.9	-84.1	-14.3	-14.1	2.4
16	-9.7	12.2	14.1	20.4	13.9	18.5	-83.1	-7.0	-11.4	8.1
17	-10.0	11.5	14.4	20.8	14.1	18.6	-83.7	-6.6	-11.3	8.2
18	-20.4	-5.5	8.4	13.4	8.2	11.7	-83.9	-22.9	-16.8	-1.5
19	-16.3	1.8	11.5	16.9	12.0	15.8	-84.0	-12.4	-13.4	3.8
20	-9.2	12.8	14.6	21.0	14.5	19.2	-83.0	-6.5	-10.8	8.7
21	12.3	31.5	17.0	31.6	34.1	36.1	8.9	31.5	31.2	34.5
22	-6.3	7.6	1.6	13.5	19.0	20.2	-6.1	12.1	16.3	18.5
23	14.4	33.9	19.1	34.3	37.2	39.2	11.4	33.7	33.8	37.3
24	12.0	31.7	17.0	32.2	34.7	36.4	8.7	31.6	31.4	34.7
25	11.5	32.3	16.7	32.5	35.0	37.0	7.9	32.0	31.7	35.3
26	11.6	30.6	16.4	30.9	33.7	35.6	8.4	30.3	30.6	33.9
27	12.2	31.4	16.8	31.3	34.2	36.2	8.5	31.0	31.1	34.5
28	14.6	33.9	19.0	33.6	36.0	38.1	11.3	33.6	33.1	36.6
29	14.9	34.7	19.6	35.0	37.9	39.9	11.9	34.4	34.5	38.0
30	14.5	36.3	19.8	36.1	38.4	40.5	11.4	35.8	35.1	38.9
31	2.2	19.6	9.5	23.5	28.7	30.1	1.6	23.2	25.1	28.1
32	13.6	36.1	19.0	36.0	38.2	40.3	10.2	35.9	34.9	38.8
33	15.9	35.2	20.1	34.8	37.3	39.6	12.4	34.3	34.4	38.0
34	15.6	34.9	19.8	34.5	36.9	38.9	12.0	34.2	33.8	37.4
35	16.4	36.4	21.1	36.7	39.6	41.6	13.2	35.9	36.2	39.8
36	16.2	39.3	21.6	39.0	41.2	43.3	12.7	38.9	37.7	41.8
37	17.6	36.8	21.7	36.4	38.9	41.3	14.0	35.9	36.0	39.6
38	6.4	35.9	13.8	33.9	34.6	39.6	-18.7	31.0	28.3	36.6
39	6.1	36.9	15.9	36.4	35.5	40.8	-22.0	33.5	28.8	37.8

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Table 5 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
40	6.5	36.4	14.2	34.5	35.5	40.8	-19.2	31.2	29.2	37.7
41	6.5	39.2	16.7	38.8	37.7	43.2	-22.5	35.8	30.7	40.2
42	7.3	37.2	14.8	35.3	36.3	41.7	-19.0	31.6	30.0	38.6
43	7.4	40.7	17.5	40.1	38.9	44.6	-22.0	37.1	31.9	41.6
44	7.2	37.3	14.6	35.2	36.4	41.7	-19.1	31.6	30.1	38.6
45	17.6	45.2	23.9	46.7	46.9	54.7	0.9	41.3	45.9	51.7
46	-9.3	4.6	-3.7	11.4	19.2	23.1	-21.8	3.6	16.9	20.2
47	10.9	33.5	17.7	34.2	35.8	41.8	-1.3	29.7	34.9	39.2
48	18.8	50.6	26.2	52.7	51.8	60.8	1.8	47.1	51.3	57.6
49	-6.3	15.8	2.0	22.1	28.3	33.5	-17.9	15.0	26.1	30.3
50	9.7	34.8	18.2	36.0	37.6	44.2	-3.8	31.7	36.7	41.4
51	17.4	44.7	24.4	46.0	47.2	54.7	1.8	41.0	46.3	51.5
52	19.8	53.5	27.7	55.5	54.1	63.6	3.0	50.1	53.7	60.5
53	-4.5	19.8	4.5	25.7	31.7	37.4	-16.6	19.3	29.4	34.0
54	9.8	36.3	19.1	37.4	39.1	45.9	-3.6	33.3	38.1	43.1
55	19.0	46.8	26.1	47.6	48.0	55.6	4.3	42.5	47.4	52.5
56	-6.6	33.1	9.3	34.2	28.8	34.7	-14.2	28.9	26.1	33.0
57	-10.1	36.1	8.0	37.4	30.9	37.7	-17.3	32.5	28.3	35.9
58	-6.7	33.1	9.1	34.0	28.8	35.0	-14.3	28.8	26.2	33.2
59	-6.7	37.4	9.0	37.1	30.4	37.3	-16.6	32.1	27.8	35.5
60	-6.5	33.2	9.0	34.0	29.0	35.3	-14.4	28.7	26.4	33.4
61	-9.7	39.5	9.1	40.7	33.9	41.2	-17.4	35.9	31.1	39.4
62	-6.3	33.3	9.2	34.1	29.2	35.5	-14.3	28.8	26.6	33.6
63	18.3	48.2	26.3	46.6	43.6	48.9	-8.0	46.7	39.2	47.6
64	-40.7	5.2	-22.4	11.2	17.0	21.0	-30.7	12.6	13.1	19.1
65	-40.9	-1.1	-23.9	5.8	12.5	16.3	-30.5	7.2	9.0	14.4
66	-39.5	7.0	-21.7	12.6	18.4	22.6	-30.2	13.9	14.4	20.7
67	-37.6	5.6	-21.6	11.0	15.6	19.8	-29.0	12.4	12.1	18.1
68	-40.2	0.5	-23.3	7.2	13.7	17.8	-30.2	8.5	10.2	16.0
69	-39.3	7.9	-22.0	13.3	18.7	23.1	-30.7	14.5	14.6	21.2
70	-38.4	5.4	-22.1	10.8	15.5	19.9	-29.9	12.2	12.1	18.2
71	-39.8	1.0	-23.3	7.5	14.0	18.2	-30.3	8.7	10.5	16.3

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Table 5 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
72	-38.6	8.6	-21.4	13.9	19.4	23.8	-30.2	15.1	15.4	21.9
73	-37.6	6.0	-21.6	11.4	16.2	20.5	-29.5	12.6	12.8	18.9
74	-39.7	1.3	-23.2	7.8	14.3	18.5	-30.4	8.9	10.8	16.6
75	-21.9	-6.9	7.2	11.6	7.6	10.9	-90.1	-25.0	-17.6	-3.4
76	-18.4	-1.9	9.6	14.7	10.5	14.1	-87.1	-20.4	-14.8	0.7
77	-19.7	-3.2	7.1	12.1	8.1	11.6	-86.2	-20.5	-16.6	-1.4
78	-20.4	-5.2	8.2	12.7	8.9	12.1	-88.5	-23.4	-16.2	-1.9
79	-17.8	-0.5	10.1	15.6	11.1	14.9	-86.8	-19.0	-14.4	2.0
80	-18.1	-1.6	8.5	13.5	9.5	13.0	-84.6	-18.9	-15.0	0.3
81	-20.0	-4.3	8.4	13.3	9.2	12.7	-88.2	-22.5	-15.9	-1.0
82	-16.9	0.4	10.9	16.4	12.0	15.8	-85.9	-18.0	-13.5	2.9
83	-18.0	-1.4	9.0	14.3	10.1	13.7	-85.3	-19.3	-14.6	0.9
84	-19.0	-3.3	9.3	14.2	10.1	13.6	-87.3	-21.5	-14.9	0.0
85	-8.4	9.6	-0.5	12.9	19.3	19.9	-10.2	12.5	15.0	17.6
86	-4.3	13.1	3.2	16.2	22.4	23.1	-5.6	15.9	18.1	20.8
87	1.8	15.0	6.8	17.2	26.0	26.7	0.3	16.2	22.1	24.4
88	-4.3	12.0	3.1	15.3	21.9	22.5	-5.2	14.8	17.7	20.2
89	-7.4	10.7	0.1	13.6	19.8	20.5	-9.5	13.1	15.5	18.3
90	-3.3	14.7	4.1	17.4	23.0	23.7	-4.2	17.3	18.8	21.5
91	-7.5	10.7	0.0	13.6	19.6	20.5	-9.6	13.1	15.4	18.3
92	-3.1	14.9	4.2	17.5	23.1	23.9	-4.0	17.5	18.9	21.7
93	-3.3	14.1	3.9	17.0	23.3	23.9	-4.9	16.7	19.0	21.7
94	-3.2	14.1	4.1	17.0	23.4	24.0	-4.8	16.7	19.2	21.7
95	-3.3	15.6	3.3	17.7	23.1	23.8	-5.8	17.5	18.6	21.6
96	-2.2	15.9	5.2	18.6	24.1	24.9	-3.1	18.5	19.9	22.8
97	-3.0	16.1	3.5	18.2	23.4	24.2	-5.6	18.1	19.0	22.1
98	4.3	17.8	8.7	19.2	27.4	28.3	2.4	18.7	23.5	26.0
99	-1.1	16.1	5.5	18.5	24.0	24.9	-3.1	18.0	19.8	22.7
100	-1.9	15.8	5.2	18.5	24.8	25.5	-3.8	18.1	20.3	23.2
101	2.4	17.4	8.0	19.8	25.1	25.8	0.4	18.7	21.0	23.7
102	-2.2	15.8	5.3	18.6	24.3	25.1	-3.3	18.3	20.1	22.9
103	-2.0	17.6	4.6	19.5	24.4	25.3	-4.3	19.6	19.9	23.2

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Table 5 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
104	-2.0	15.9	5.5	18.6	24.6	25.1	-3.2	18.3	20.3	23.0
105	-1.4	15.0	5.8	18.1	24.6	25.3	-2.7	17.3	20.3	23.0
106	-1.6	15.9	5.5	18.6	25.1	25.6	-3.5	18.1	20.7	23.3
107	-11.6	13.2	0.7	19.4	23.2	26.8	-36.4	13.0	15.6	22.9
108	-16.7	2.4	-4.3	11.4	15.9	18.8	-39.9	2.6	9.0	14.9
109	-10.3	16.2	2.0	22.1	25.1	29.2	-35.6	15.4	17.5	25.3
110	-10.0	15.4	1.2	20.2	22.7	26.5	-33.2	14.7	15.5	22.9
111	-14.1	6.6	-2.3	14.8	18.6	22.0	-38.5	6.2	11.7	18.1
112	-8.6	18.6	3.7	24.3	27.0	31.0	-34.5	17.5	19.3	27.2
113	-9.3	15.9	1.9	20.7	23.3	27.1	-32.7	15.2	16.2	23.5
114	-13.1	8.6	-1.3	16.4	20.1	23.7	-37.9	8.0	12.9	19.8
115	-8.1	19.1	4.1	24.7	27.5	31.5	-34.1	17.9	19.7	27.7
116	-8.9	16.4	2.3	21.2	24.0	27.6	-32.5	15.3	16.8	24.1
117	-12.8	9.0	-1.1	16.8	20.3	24.0	-37.8	8.3	13.2	20.2
118	-1.2	17.4	4.4	21.7	28.1	32.5	-14.8	16.2	25.3	29.2
119	1.8	20.3	7.4	21.9	25.7	30.6	-11.4	16.9	24.2	27.6
120	-4.2	12.5	0.9	17.7	24.9	29.2	-17.5	11.7	22.1	25.8
121	0.3	19.9	7.0	21.8	25.9	30.6	-12.6	17.5	24.1	27.7
122	2.5	22.1	7.6	25.7	31.1	36.2	-12.4	20.7	28.5	32.8
123	2.9	23.2	8.9	25.0	28.4	33.5	-10.4	19.5	26.9	30.5
124	-0.5	18.5	4.8	22.3	29.2	33.8	-16.1	17.6	26.4	30.4
125	3.7	25.4	10.0	26.5	29.6	34.5	-8.8	22.4	27.7	31.5
126	1.9	22.3	8.2	23.6	27.2	32.2	-10.8	19.3	25.6	29.2
127	2.5	23.7	8.8	27.3	33.1	38.1	-12.3	22.5	30.3	34.6
128	-26.7	11.7	-5.7	17.8	17.7	22.3	-30.8	12.2	14.0	20.0
129	-28.4	6.6	-8.1	13.4	13.6	17.8	-31.6	7.7	10.1	15.7
130	-25.3	12.9	-5.1	18.8	18.5	23.5	-29.9	13.3	14.8	21.2
131	-24.9	12.0	-6.0	17.5	16.9	21.6	-29.1	12.5	13.5	19.6
132	-27.1	8.2	-7.1	14.7	14.9	19.4	-30.7	9.1	11.5	17.2
133	-24.9	14.9	-4.4	20.5	19.9	25.2	-29.9	15.0	16.0	22.8
134	-24.9	12.0	-6.0	17.5	16.8	21.6	-29.1	12.5	13.5	19.6
135	-26.5	9.1	-6.9	15.5	15.3	20.3	-30.6	9.8	12.0	18.1

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Table 5 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
136	-24.3	15.5	-3.8	21.0	20.5	25.7	-29.5	15.4	16.7	23.4
137	-24.2	12.7	-5.4	18.2	17.5	22.4	-28.7	13.0	14.3	20.4
138	-26.0	10.0	-6.5	16.2	15.9	21.0	-30.3	10.5	12.6	18.8
139	-2.4	19.3	8.6	24.4	26.6	30.0	-24.8	20.6	21.4	27.8
140	0.5	24.5	11.4	29.3	30.4	34.3	-22.8	25.1	25.0	32.1
141	-0.4	21.7	9.5	25.6	26.6	30.0	-21.8	22.3	21.6	28.0
142	-41.8	-12.5	-29.1	-3.3	11.2	12.9	-42.6	-8.5	0.9	7.3
143	-39.4	-12.8	-27.6	-3.6	10.6	12.4	-38.8	-7.5	0.3	6.5
144	-38.0	-12.7	-27.2	-3.4	10.9	12.8	-37.9	-7.4	1.0	7.0
145	-42.6	-14.9	-29.4	-5.1	9.5	11.2	-42.8	-10.5	0.1	6.1
146	-40.3	-15.2	-28.1	-5.4	9.0	10.6	-39.4	-9.6	-0.7	5.0
147	-40.6	-15.6	-28.1	-5.3	9.2	11.0	-39.3	-9.5	0.0	5.7
148	-18.5	-9.6	7.2	10.4	5.8	8.3	-71.7	-30.0	-17.0	-6.7
149	-24.6	-7.4	0.6	5.8	-0.8	3.0	-95.5	-34.6	-25.9	-9.9
150	-37.4	-11.5	-27.1	-3.6	9.9	12.4	-40.4	-7.3	1.1	6.8
151	-10.4	21.0	-10.0	21.3	25.3	30.3	-20.8	19.1	17.9	26.3
152	-11.0	4.2	-1.9	12.3	11.4	14.8	-28.5	2.5	7.9	12.2
153	5.1	25.3	7.9	24.7	21.9	26.5	-17.1	16.3	18.3	23.9
154	-17.4	-1.7	-3.0	10.2	13.7	16.5	-33.2	-0.8	7.0	12.1
155	-7.6	12.7	1.6	18.7	19.9	23.7	-23.4	11.2	15.8	20.6
156	1.0	22.3	9.7	25.2	23.9	27.9	-21.5	18.6	18.5	25.1
157	-1.9	20.3	4.6	22.3	24.7	29.0	-19.4	16.2	20.5	25.5
158	-18.2	-9.3	7.3	10.5	6.5	9.1	-71.5	-29.6	-16.4	-6.0
159	-18.4	-9.4	7.0	10.3	6.3	8.8	-71.9	-30.0	-16.8	-6.4
160	-36.8	-11.1	-26.8	-3.3	10.7	13.1	-40.1	-7.1	1.7	7.4
161	-6.4	25.6	-6.5	25.4	29.1	33.7	-14.9	25.4	21.4	30.0
162	-14.6	-1.2	-4.3	9.5	10.2	13.1	-28.2	-3.2	6.0	9.6
163	5.0	26.5	9.8	27.6	25.0	30.2	-17.5	20.6	21.8	27.6
164	-20.2	-4.2	-6.8	7.3	11.6	13.8	-32.8	-3.2	5.0	9.6
165	-14.3	-0.6	-3.3	10.3	12.1	14.9	-27.7	-1.0	7.3	11.0
166	-2.8	22.1	8.3	25.5	26.8	31.2	-26.5	19.0	20.3	27.8
167	-11.3	10.4	-0.4	17.5	20.1	23.9	-27.8	7.4	15.5	20.4

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Table 5 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
168	-18.0	-9.0	7.5	10.8	7.0	9.6	-71.4	-29.3	-15.9	-5.5
169	-18.1	-8.9	7.5	10.9	7.0	9.6	-72.1	-29.4	-16.1	-5.6
170	-37.7	-12.2	-27.4	-4.3	8.9	11.5	-40.2	-7.9	0.1	5.8
171	-35.6	-3.3	-28.5	2.1	13.0	16.6	-43.1	-2.0	3.4	11.4
172	-9.9	5.3	1.7	16.6	14.4	18.1	-28.8	3.3	10.4	14.8
173	-1.6	22.4	5.9	26.0	23.9	28.7	-24.7	18.9	19.8	26.2
174	-15.5	-2.1	-4.4	9.2	11.6	14.3	-28.5	-2.0	6.9	10.5
175	-10.3	16.8	3.5	22.8	24.9	29.3	-33.9	15.3	17.8	25.7
176	-7.7	16.3	4.1	22.1	24.1	29.0	-27.5	17.0	19.3	26.2
177	-17.5	-8.6	7.9	11.2	7.5	10.1	-70.6	-28.9	-15.4	-5.0
178	-18.2	3.5	6.7	12.9	6.6	11.1	-92.7	-18.0	-18.8	0.3
179	-37.4	-12.0	-27.1	-4.0	9.2	11.8	-40.0	-7.6	0.4	6.1
180	-37.5	-11.7	-27.5	-4.0	10.2	12.7	-40.9	-7.8	1.1	6.9
181	-7.7	13.0	3.0	21.7	19.4	24.1	-29.6	10.3	15.5	21.3
182	-6.3	15.4	4.0	23.4	20.7	25.7	-28.7	12.6	17.1	23.0
183	-18.8	-3.0	-5.6	8.5	12.8	15.0	-31.4	-2.3	6.2	10.8
184	-15.0	-1.7	-3.9	9.6	12.0	14.7	-27.9	-1.6	7.3	10.9
185	-10.8	13.2	3.0	21.3	23.4	27.5	-33.6	12.4	16.4	23.8
186	-11.8	8.1	0.7	17.4	19.8	23.9	-29.5	9.9	14.7	21.0
187	-19.4	-2.8	9.1	14.1	8.8	12.4	-86.1	-24.5	-17.1	-1.6
188	-35.0	0.2	-26.8	5.1	16.7	20.3	-43.0	0.0	6.6	14.5
189	-9.5	13.4	2.0	22.9	20.1	24.7	-32.8	9.6	15.2	21.2
190	-15.1	10.6	-0.4	19.5	22.5	26.2	-39.2	8.7	14.3	21.8
191	-15.4	6.0	-2.4	16.1	19.0	22.8	-34.9	5.8	12.6	19.0
192	-17.9	1.2	11.2	17.0	11.4	15.4	-87.7	-19.0	-15.1	2.2
193	-36.0	0.3	-28.1	5.3	16.7	20.5	-44.7	0.4	6.4	14.9
194	-9.1	15.2	2.7	24.8	21.3	26.5	-33.6	11.2	16.7	23.0
195	-15.9	11.4	0.3	20.8	23.2	27.3	-41.2	9.5	15.0	23.0
196	-16.4	6.4	-2.0	17.3	19.6	23.7	-36.9	7.0	13.4	20.1
197	-15.0	4.5	13.0	18.6	14.0	18.0	-86.8	-10.8	-11.9	5.6
198	-27.0	13.7	-22.5	13.6	22.7	26.5	-35.5	14.1	13.1	22.1
199	-0.6	26.3	6.2	29.6	27.7	33.0	-25.5	23.1	23.4	30.2

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Table 5 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
200	-3.6	27.8	7.6	30.4	31.6	36.0	-30.4	26.4	23.9	32.6
201	-5.9	25.2	4.3	28.8	30.7	35.5	-24.3	23.9	25.5	32.0
202	-18.9	-4.4	7.7	12.6	7.3	10.7	-78.3	-26.8	-18.1	-3.9
203	-41.0	-8.2	-31.7	-1.6	11.4	14.6	-46.3	-5.6	1.0	8.5
204	-15.0	3.5	-3.6	14.0	13.4	17.2	-32.9	0.2	8.2	13.2
205	-18.9	1.7	-3.8	12.9	16.5	19.6	-38.5	1.1	8.5	14.8
206	-20.5	-3.7	-6.5	8.7	12.6	15.7	-36.7	-2.4	6.6	11.8
207	-19.2	-1.9	8.6	13.5	8.5	12.0	-86.1	-17.2	-16.3	-0.9
208	-27.2	9.2	-22.3	9.6	18.3	21.7	-32.7	11.2	9.3	17.3
209	-6.0	16.2	2.8	22.1	20.4	24.6	-28.1	14.7	16.5	22.0
210	-10.5	14.8	1.4	20.1	22.3	25.9	-33.4	15.0	15.5	22.6
211	-4.9	16.0	3.5	20.0	21.9	25.5	-21.7	18.0	17.0	23.1
212	-20.0	-7.5	6.1	10.4	5.5	8.4	-78.4	-29.8	-19.5	-6.9
213	-40.8	-11.6	-31.6	-4.0	9.6	12.6	-45.5	-8.3	-0.3	6.5
214	-13.8	5.7	-0.3	17.4	15.4	19.5	-34.2	4.2	10.7	16.0
215	-21.8	-3.7	-5.8	9.2	13.8	16.8	-40.7	-3.2	6.6	12.1
216	-19.2	-0.7	-5.3	11.5	13.8	17.0	-34.7	-1.2	8.4	12.7
217	-19.9	-5.2	8.1	12.9	7.2	10.5	-83.4	-26.3	-18.4	-4.4
218	-42.4	-9.4	-33.1	-2.2	10.7	14.1	-48.1	-6.3	0.2	7.9
219	-11.8	10.0	1.0	20.8	17.9	22.4	-33.7	8.2	13.0	18.7
220	-18.1	4.1	-3.4	15.4	18.2	21.3	-37.3	3.0	10.4	16.6
221	-19.3	4.2	-4.2	15.7	18.6	22.4	-34.3	4.0	12.9	17.9
222	-14.0	7.3	12.9	18.5	14.2	18.0	-83.0	-3.6	-11.8	6.3
223	-40.9	-8.1	-32.1	-1.3	11.7	15.3	-47.2	-5.6	1.5	9.1
224	-5.0	20.1	2.8	23.9	23.7	28.3	-28.4	18.7	19.2	25.7
225	-18.0	1.6	-3.8	12.8	16.8	19.7	-35.7	0.2	8.9	14.7
226	-17.7	2.7	-3.8	14.1	17.6	21.4	-36.9	3.8	11.0	17.4
227	-21.2	-8.4	6.1	10.1	4.3	7.2	-83.2	-29.3	-20.4	-7.9
228	-39.4	-14.5	-30.8	-7.2	6.2	8.7	-42.4	-10.4	-2.4	3.2
229	-17.4	0.6	-5.9	10.7	10.2	13.3	-35.1	-1.5	5.0	9.9
230	-20.6	-3.8	-8.9	5.6	9.4	11.5	-32.5	-4.2	2.7	7.7
231	-20.8	-8.1	-5.2	5.7	8.3	11.2	-33.4	-4.6	3.5	7.7

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Table 5 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
232	-19.6	-6.3	7.6	11.7	6.3	9.2	-82.7	-26.9	-18.5	-5.7
233	-38.8	-7.3	-29.8	-0.7	12.0	15.3	-44.2	-4.2	2.6	9.6
234	-10.4	10.4	1.9	21.0	17.7	21.9	-32.5	8.9	13.2	18.7
235	-20.9	0.3	-7.2	11.1	16.0	18.7	-39.4	-0.1	8.6	14.4
236	-17.5	-0.6	-5.3	10.6	12.0	15.3	-31.6	-2.0	7.2	11.1
MAXD	-42.6	53.5	-33.1	55.5	54.1	63.6	-95.5	50.1	53.7	60.5
MD	-12.3	12.2	1.1	18.9	20.8	24.5	-32.2	9.0	12.4	19.6
MAD	16.0	15.5	10.5	19.4	20.8	24.5	33.8	17.5	17.9	20.4

Table 6: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the BP86-D3 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-47.6	-2.9	-34.9	-2.9	-4.3	1.0	-43.4	-2.7	-7.0	-0.3
2	-55.3	-5.1	-40.5	-4.9	-6.5	-0.6	-49.6	-3.7	-9.4	-2.0
3	-49.2	-4.4	-36.4	-4.3	-4.7	0.7	-44.7	-3.7	-7.5	-0.7
4	-56.9	-5.0	-41.9	-4.9	-6.4	-0.4	-51.3	-3.6	-9.5	-1.8
5	-53.2	-4.6	-39.6	-4.7	-5.5	0.4	-48.6	-4.0	-8.6	-1.2
6	-57.5	-5.1	-42.6	-4.9	-6.5	-0.3	-52.2	-3.8	-9.6	-1.8
7	-53.0	-4.5	-39.5	-4.7	-5.2	0.4	-48.6	-4.0	-8.3	-1.1
8	-31.4	-11.6	-7.5	-1.8	-8.5	-4.2	-102.4	-31.1	-33.2	-15.1
9	-31.7	-10.5	-7.3	-1.2	-7.8	-3.4	-104.8	-28.2	-33.0	-13.9
10	-33.5	-19.2	-4.6	-0.1	-4.9	-1.6	-96.4	-36.5	-29.7	-15.3
11	-31.7	-16.7	-4.1	0.6	-3.8	-0.5	-96.3	-33.1	-28.7	-13.8
12	-31.0	-11.0	-7.3	-1.4	-7.9	-3.5	-102.6	-30.6	-32.6	-14.4
13	-30.2	-8.8	-5.9	0.4	-6.3	-1.8	-103.7	-26.8	-31.6	-12.2
14	-33.3	-18.9	-4.5	0.1	-4.9	-1.4	-96.5	-36.4	-29.6	-15.1
15	-31.9	-14.6	-4.1	1.0	-3.6	0.1	-99.0	-29.1	-28.9	-12.4
16	-30.4	-8.5	-6.6	-0.3	-6.7	-2.1	-103.8	-27.7	-32.1	-12.6
17	-30.0	-8.5	-5.7	0.8	-5.9	-1.4	-103.7	-26.6	-31.3	-11.8

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Table 6 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
18	-33.1	-18.1	-4.2	0.8	-4.4	-0.9	-96.6	-35.6	-29.4	-14.2
19	-32.2	-14.1	-4.4	1.0	-3.9	-0.1	-99.9	-28.3	-29.4	-12.1
20	-30.2	-8.2	-6.4	-0.1	-6.5	-1.9	-104.0	-27.5	-31.9	-12.3
21	-23.7	-4.4	-18.9	-4.3	-1.8	0.2	-27.0	-4.4	-4.8	-1.4
22	-28.2	-14.4	-20.3	-8.4	-2.9	-1.7	-28.0	-9.9	-5.6	-3.4
23	-24.8	-5.2	-20.1	-4.9	-2.0	0.0	-27.8	-5.5	-5.4	-1.9
24	-25.1	-5.4	-20.1	-4.9	-2.4	-0.7	-28.4	-5.5	-5.7	-2.4
25	-26.7	-6.0	-21.5	-5.7	-3.2	-1.2	-30.4	-6.2	-6.5	-2.9
26	-24.0	-5.0	-19.2	-4.7	-1.8	0.0	-27.2	-5.3	-5.0	-1.6
27	-23.8	-4.6	-19.2	-4.7	-1.8	0.2	-27.5	-5.0	-4.9	-1.5
28	-22.2	-2.9	-17.8	-3.1	-0.8	1.3	-25.5	-3.2	-3.7	-0.2
29	-25.0	-5.2	-20.3	-5.0	-2.0	0.0	-28.0	-5.5	-5.4	-1.9
30	-27.4	-5.6	-22.1	-5.8	-3.5	-1.4	-30.5	-6.1	-6.8	-3.0
31	-28.6	-11.2	-21.3	-7.3	-2.1	-0.7	-29.1	-7.6	-5.7	-2.7
32	-27.8	-5.2	-22.4	-5.3	-3.1	-1.0	-31.2	-5.4	-6.5	-2.5
33	-23.1	-3.8	-19.0	-4.2	-1.7	0.6	-26.7	-4.7	-4.7	-1.0
34	-21.6	-2.3	-17.3	-2.7	-0.3	1.8	-25.1	-2.9	-3.3	0.2
35	-24.2	-4.2	-19.5	-3.9	-1.0	1.0	-27.4	-4.6	-4.4	-0.8
36	-26.6	-3.5	-21.2	-3.7	-1.6	0.5	-30.1	-3.8	-5.1	-1.0
37	-21.8	-2.5	-17.7	-3.0	-0.4	1.9	-25.3	-3.5	-3.3	0.3
38	-35.8	-6.3	-28.4	-8.3	-7.6	-2.6	-60.9	-11.2	-13.9	-5.6
39	-39.6	-8.8	-29.8	-9.3	-10.2	-4.9	-67.7	-12.2	-16.9	-7.9
40	-36.3	-6.4	-28.6	-8.3	-7.3	-2.0	-62.0	-11.6	-13.6	-5.1
41	-41.4	-8.7	-31.3	-9.2	-10.2	-4.8	-70.5	-12.2	-17.3	-7.8
42	-35.9	-6.0	-28.4	-7.9	-6.9	-1.5	-62.2	-11.6	-13.2	-4.7
43	-41.8	-8.5	-31.7	-9.1	-10.3	-4.7	-71.3	-12.2	-17.4	-7.7
44	-36.1	-6.1	-28.7	-8.2	-7.0	-1.6	-62.5	-11.8	-13.3	-4.7
45	-43.7	-16.1	-37.4	-14.6	-14.4	-6.6	-60.3	-19.9	-15.3	-9.6
46	-40.9	-27.0	-35.2	-20.2	-12.4	-8.5	-53.3	-28.0	-14.7	-11.4
47	-32.4	-9.9	-25.6	-9.1	-7.6	-1.5	-44.7	-13.7	-8.5	-4.1
48	-50.7	-18.9	-43.2	-16.7	-17.6	-8.7	-67.7	-22.3	-18.1	-11.9
49	-49.2	-27.1	-40.8	-20.7	-14.6	-9.3	-60.7	-27.8	-16.8	-12.5

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Table 6 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
50	-37.1	-11.9	-28.5	-10.8	-9.2	-2.6	-50.5	-15.0	-10.0	-5.3
51	-42.8	-15.5	-35.7	-14.2	-13.0	-5.5	-58.4	-19.2	-13.9	-8.6
52	-53.3	-19.6	-45.3	-17.5	-18.9	-9.4	-70.1	-22.9	-19.4	-12.6
53	-51.7	-27.5	-42.8	-21.6	-15.5	-9.9	-63.8	-27.9	-17.9	-13.2
54	-39.0	-12.5	-29.7	-11.3	-9.7	-2.9	-52.4	-15.5	-10.7	-5.6
55	-41.4	-13.7	-34.4	-12.8	-12.4	-4.9	-56.2	-18.0	-13.1	-8.0
56	-42.5	-2.8	-26.6	-1.7	-7.1	-1.2	-50.1	-6.9	-9.8	-2.9
57	-50.9	-4.7	-32.7	-3.3	-9.8	-3.1	-58.1	-8.3	-12.4	-4.9
58	-42.7	-3.0	-27.0	-2.1	-7.3	-1.0	-50.4	-7.3	-9.8	-2.8
59	-46.8	-2.7	-31.1	-3.1	-9.7	-2.8	-56.8	-8.0	-12.3	-4.6
60	-42.7	-2.9	-27.2	-2.2	-7.1	-0.8	-50.6	-7.5	-9.7	-2.7
61	-53.9	-4.7	-35.1	-3.5	-10.3	-3.1	-61.7	-8.4	-13.2	-4.9
62	-42.6	-2.9	-27.1	-2.1	-7.1	-0.8	-50.6	-7.5	-9.6	-2.7
63	-32.7	-2.9	-24.8	-4.4	-7.5	-2.1	-59.1	-4.4	-11.9	-3.4
64	-68.5	-22.7	-50.2	-16.7	-10.8	-6.8	-58.6	-15.3	-14.7	-8.7
65	-64.9	-25.0	-47.9	-18.2	-11.4	-7.7	-54.5	-16.7	-15.0	-9.5
66	-68.3	-21.9	-50.6	-16.3	-10.5	-6.3	-59.1	-15.0	-14.4	-8.2
67	-62.8	-19.6	-46.8	-14.2	-9.6	-5.4	-54.2	-12.8	-13.1	-7.1
68	-64.8	-24.2	-47.9	-17.4	-10.9	-6.8	-54.8	-16.1	-14.4	-8.7
69	-69.0	-21.8	-51.7	-16.5	-11.0	-6.6	-60.4	-15.2	-15.1	-8.5
70	-64.0	-20.3	-47.8	-14.8	-10.1	-5.8	-55.5	-13.5	-13.5	-7.5
71	-65.0	-24.3	-48.5	-17.7	-11.2	-7.1	-55.6	-16.6	-14.7	-8.9
72	-68.5	-21.3	-51.3	-16.0	-10.5	-6.1	-60.0	-14.8	-14.5	-8.0
73	-63.6	-20.0	-47.6	-14.6	-9.9	-5.5	-55.5	-13.4	-13.2	-7.1
74	-65.1	-24.2	-48.7	-17.6	-11.2	-6.9	-55.8	-16.6	-14.7	-8.8
75	-35.1	-20.1	-6.0	-1.5	-5.5	-2.3	-103.3	-38.2	-30.7	-16.6
76	-34.1	-17.5	-6.0	-1.0	-5.2	-1.6	-102.7	-36.0	-30.5	-14.9
77	-34.2	-17.8	-7.5	-2.5	-6.5	-3.0	-100.8	-35.1	-31.2	-16.0
78	-34.1	-19.0	-5.6	-1.1	-4.9	-1.7	-102.3	-37.2	-29.9	-15.7
79	-34.0	-16.8	-6.2	-0.6	-5.1	-1.3	-103.0	-35.2	-30.6	-14.3
80	-33.1	-16.6	-6.5	-1.5	-5.5	-2.0	-99.6	-33.9	-30.0	-14.8
81	-34.2	-18.5	-5.9	-0.9	-5.1	-1.6	-102.5	-36.7	-30.2	-15.3

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Table 6 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
82	-33.2	-15.9	-5.5	0.1	-4.3	-0.5	-102.2	-34.4	-29.8	-13.4
83	-33.2	-16.6	-6.3	-1.0	-5.1	-1.6	-100.6	-34.5	-29.9	-14.3
84	-33.3	-17.6	-5.1	-0.1	-4.2	-0.7	-101.6	-35.9	-29.3	-14.3
85	-34.9	-16.9	-27.0	-13.7	-7.3	-6.7	-36.7	-14.1	-11.6	-8.9
86	-33.8	-16.5	-26.4	-13.4	-7.1	-6.5	-35.2	-13.6	-11.4	-8.8
87	-24.1	-10.9	-19.1	-8.7	0.1	0.8	-25.6	-9.7	-3.9	-1.5
88	-33.1	-16.7	-25.6	-13.5	-6.8	-6.2	-33.9	-13.9	-11.0	-8.6
89	-34.5	-16.4	-27.0	-13.5	-7.3	-6.6	-36.6	-14.0	-11.6	-8.8
90	-33.3	-15.3	-25.9	-12.7	-7.0	-6.3	-34.2	-12.7	-11.2	-8.5
91	-34.6	-16.4	-27.1	-13.5	-7.5	-6.6	-36.8	-14.0	-11.7	-8.8
92	-33.1	-15.1	-25.8	-12.5	-6.9	-6.1	-34.0	-12.5	-11.1	-8.3
93	-33.5	-16.1	-26.3	-13.2	-6.9	-6.2	-35.1	-13.5	-11.2	-8.5
94	-33.3	-16.0	-26.1	-13.2	-6.7	-6.2	-35.0	-13.5	-11.0	-8.4
95	-31.8	-13.0	-25.2	-10.8	-5.4	-4.7	-34.3	-11.0	-9.9	-6.9
96	-32.4	-14.3	-25.0	-11.6	-6.1	-5.3	-33.3	-11.7	-10.3	-7.4
97	-31.6	-12.5	-25.1	-10.4	-5.1	-4.4	-34.2	-10.5	-9.6	-6.5
98	-21.8	-8.3	-17.5	-7.0	1.2	2.1	-23.7	-7.5	-2.7	-0.2
99	-30.7	-13.5	-24.1	-11.1	-5.6	-4.7	-32.7	-11.6	-9.8	-6.9
100	-32.4	-14.8	-25.3	-12.0	-5.7	-5.0	-34.3	-12.4	-10.2	-7.3
101	-27.9	-12.9	-22.4	-10.5	-5.2	-4.5	-29.9	-11.6	-9.4	-6.6
102	-32.5	-14.5	-25.0	-11.7	-6.0	-5.2	-33.6	-12.0	-10.2	-7.4
103	-31.6	-12.0	-25.0	-10.1	-5.2	-4.3	-33.9	-10.0	-9.7	-6.4
104	-32.3	-14.4	-24.8	-11.7	-5.7	-5.2	-33.5	-12.0	-10.0	-7.3
105	-31.7	-15.3	-24.5	-12.2	-5.7	-5.0	-33.0	-13.0	-9.9	-7.3
106	-32.2	-14.8	-25.1	-12.1	-5.5	-5.0	-34.1	-12.5	-10.0	-7.3
107	-47.1	-22.3	-34.8	-16.1	-12.3	-8.7	-71.9	-22.5	-19.9	-12.6
108	-43.8	-24.7	-31.4	-15.7	-11.2	-8.3	-67.0	-24.5	-18.0	-12.2
109	-47.9	-21.5	-35.7	-15.6	-12.6	-8.5	-73.3	-22.3	-20.2	-12.4
110	-43.8	-18.5	-32.7	-13.7	-11.2	-7.4	-67.0	-19.1	-18.4	-11.0
111	-44.0	-23.3	-32.2	-15.1	-11.3	-7.9	-68.4	-23.7	-18.2	-11.8
112	-47.8	-20.5	-35.5	-14.9	-12.1	-8.2	-73.7	-21.7	-19.9	-11.9
113	-43.6	-18.4	-32.4	-13.6	-11.0	-7.2	-67.0	-19.1	-18.1	-10.8

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Table 6 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
114	-44.2	-22.5	-32.4	-14.7	-11.0	-7.4	-69.0	-23.1	-18.2	-11.3
115	-47.4	-20.2	-35.2	-14.6	-11.8	-7.8	-73.4	-21.4	-19.6	-11.6
116	-43.8	-18.6	-32.6	-13.7	-11.0	-7.3	-67.5	-19.6	-18.2	-10.8
117	-44.2	-22.4	-32.5	-14.6	-11.1	-7.4	-69.2	-23.1	-18.2	-11.2
118	-43.6	-25.0	-38.1	-20.8	-14.3	-10.0	-57.3	-26.2	-17.2	-13.3
119	-34.6	-16.1	-29.0	-14.5	-10.7	-5.8	-47.7	-19.5	-12.2	-8.8
120	-43.2	-26.5	-38.1	-21.3	-14.1	-9.8	-56.5	-27.3	-16.9	-13.1
121	-36.9	-17.3	-30.2	-15.4	-11.3	-6.6	-49.8	-19.7	-13.1	-9.5
122	-41.7	-22.2	-36.6	-18.6	-13.1	-8.1	-56.7	-23.5	-15.8	-11.5
123	-35.4	-15.1	-29.4	-13.2	-9.9	-4.8	-48.6	-18.8	-11.4	-7.8
124	-44.1	-25.1	-38.8	-21.3	-14.4	-9.9	-59.7	-26.0	-17.3	-13.2
125	-36.5	-14.8	-30.2	-13.7	-10.6	-5.7	-49.1	-17.8	-12.5	-8.7
126	-35.9	-15.5	-29.6	-14.2	-10.6	-5.6	-48.6	-18.5	-12.3	-8.6
127	-44.2	-23.1	-38.0	-19.5	-13.7	-8.7	-59.1	-24.3	-16.5	-12.2
128	-57.1	-18.8	-36.1	-12.6	-12.7	-8.2	-61.2	-18.2	-16.4	-10.4
129	-55.2	-20.2	-34.8	-13.4	-13.2	-9.0	-58.3	-19.0	-16.6	-11.1
130	-55.9	-17.6	-35.6	-11.7	-12.1	-7.1	-60.4	-17.3	-15.7	-9.4
131	-53.0	-16.1	-34.1	-10.6	-11.2	-6.5	-57.2	-15.6	-14.6	-8.5
132	-54.7	-19.4	-34.7	-12.8	-12.7	-8.2	-58.3	-18.5	-16.0	-10.3
133	-57.8	-18.0	-37.4	-12.4	-13.0	-7.7	-62.8	-17.9	-16.9	-10.1
134	-53.2	-16.4	-34.3	-10.8	-11.5	-6.7	-57.5	-15.8	-14.8	-8.7
135	-54.9	-19.3	-35.3	-12.9	-13.1	-8.2	-59.0	-18.6	-16.5	-10.4
136	-57.4	-17.6	-36.9	-12.0	-12.6	-7.4	-62.5	-17.6	-16.4	-9.7
137	-53.2	-16.3	-34.4	-10.8	-11.5	-6.6	-57.7	-16.0	-14.8	-8.6
138	-54.9	-18.9	-35.4	-12.7	-13.0	-7.9	-59.2	-18.4	-16.3	-10.1
139	-38.6	-16.9	-27.6	-11.8	-9.6	-6.2	-61.0	-15.6	-14.9	-8.4
140	-39.5	-15.4	-28.6	-10.7	-9.5	-5.6	-62.8	-14.9	-15.0	-7.8
141	-35.6	-13.5	-25.7	-9.6	-8.6	-5.2	-57.0	-12.9	-13.5	-7.2
142	-62.0	-32.7	-49.3	-23.5	-9.0	-7.3	-62.8	-28.7	-19.3	-12.9
143	-57.7	-31.1	-45.9	-21.8	-7.7	-5.8	-57.1	-25.8	-18.0	-11.8
144	-56.9	-31.6	-46.0	-22.2	-8.0	-6.1	-56.7	-26.2	-17.8	-11.8
145	-62.7	-34.9	-49.4	-25.1	-10.5	-8.8	-62.8	-30.5	-19.9	-13.9

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Table 6 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
146	-58.3	-33.2	-46.1	-23.5	-9.0	-7.4	-57.4	-27.6	-18.7	-13.0
147	-59.3	-34.4	-46.9	-24.1	-9.6	-7.8	-58.1	-28.3	-18.8	-13.1
148	-25.4	-16.5	0.2	3.5	-1.1	1.4	-78.6	-36.9	-23.9	-13.6
149	-38.6	-21.5	-13.5	-8.3	-14.9	-11.1	-109.6	-48.7	-40.0	-24.0
150	-50.2	-24.3	-39.9	-16.4	-2.9	-0.4	-53.2	-20.1	-11.7	-6.0
151	-40.5	-9.1	-40.0	-8.8	-4.7	0.2	-50.8	-10.9	-12.1	-3.7
152	-30.8	-15.5	-21.7	-7.5	-8.3	-5.0	-48.3	-17.3	-11.9	-7.6
153	-25.7	-5.5	-22.9	-6.1	-8.9	-4.3	-47.9	-14.6	-12.5	-6.9
154	-37.1	-21.4	-22.7	-9.5	-6.0	-3.3	-52.9	-20.5	-12.7	-7.6
155	-36.4	-16.1	-27.2	-10.1	-8.9	-5.1	-52.2	-17.6	-13.0	-8.2
156	-30.3	-9.1	-21.7	-6.1	-7.4	-3.4	-52.8	-12.7	-12.8	-6.2
157	-34.1	-11.9	-27.6	-9.9	-7.5	-3.2	-51.6	-16.0	-11.7	-6.6
158	-25.2	-16.3	0.2	3.5	-0.5	2.1	-78.5	-36.6	-23.4	-13.0
159	-25.5	-16.5	-0.1	3.2	-0.8	1.7	-79.0	-37.0	-23.8	-13.4
160	-49.7	-24.0	-39.7	-16.2	-2.2	0.2	-53.0	-20.0	-11.2	-5.5
161	-37.0	-5.0	-37.1	-5.2	-1.6	3.1	-45.5	-5.2	-9.2	-0.6
162	-31.4	-18.1	-21.2	-7.4	-6.7	-3.8	-45.1	-20.1	-10.9	-7.3
163	-28.8	-7.3	-24.0	-6.2	-8.7	-3.6	-51.3	-13.2	-12.0	-6.2
164	-37.5	-21.6	-24.2	-10.0	-5.7	-3.5	-50.1	-20.5	-12.3	-7.7
165	-34.7	-21.0	-23.6	-10.1	-8.2	-5.4	-48.1	-21.3	-13.0	-9.4
166	-37.2	-12.2	-26.0	-8.9	-7.5	-3.2	-60.9	-15.3	-14.1	-6.5
167	-41.3	-19.6	-30.4	-12.5	-10.0	-6.1	-57.8	-22.6	-14.5	-9.7
168	-25.1	-16.2	0.4	3.7	-0.1	2.5	-78.5	-36.4	-23.0	-12.6
169	-25.4	-16.3	0.1	3.5	-0.4	2.3	-79.4	-36.7	-23.4	-12.9
170	-50.5	-25.0	-40.2	-17.1	-3.9	-1.3	-53.0	-20.7	-12.7	-7.0
171	-56.1	-23.8	-48.9	-18.4	-7.5	-3.9	-63.5	-22.5	-17.1	-9.1
172	-33.3	-18.0	-21.6	-6.8	-9.0	-5.2	-52.2	-20.1	-13.0	-8.5
173	-36.1	-12.2	-28.7	-8.6	-10.7	-5.9	-59.3	-15.7	-14.8	-8.3
174	-34.9	-21.5	-23.8	-10.2	-7.8	-5.1	-47.9	-21.4	-12.4	-8.9
175	-44.2	-17.1	-30.4	-11.1	-9.0	-4.6	-67.8	-18.6	-16.1	-8.2
176	-43.6	-19.6	-31.8	-13.8	-11.8	-6.9	-63.4	-19.0	-16.6	-9.7
177	-24.6	-15.7	0.8	4.1	0.4	3.0	-77.7	-35.9	-22.5	-12.1

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Table 6 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
178	-36.6	-15.0	-11.8	-5.5	-11.8	-7.4	-111.1	-36.5	-37.2	-18.2
179	-50.2	-24.8	-39.9	-16.8	-3.6	-1.0	-52.8	-20.4	-12.4	-6.7
180	-50.5	-24.8	-40.6	-17.0	-2.9	-0.4	-54.0	-20.9	-11.9	-6.2
181	-38.4	-17.7	-27.7	-9.0	-11.3	-6.6	-60.3	-20.4	-15.2	-9.4
182	-38.5	-16.9	-28.2	-8.9	-11.5	-6.5	-60.9	-19.7	-15.2	-9.2
183	-36.2	-20.3	-22.9	-8.9	-4.5	-2.3	-48.8	-19.6	-11.1	-6.5
184	-34.3	-21.0	-23.1	-9.7	-7.3	-4.5	-47.2	-20.9	-11.9	-8.4
185	-42.3	-18.3	-28.6	-10.2	-8.1	-4.1	-65.1	-19.1	-15.1	-7.8
186	-42.0	-22.0	-29.5	-12.7	-10.4	-6.3	-59.7	-20.3	-15.4	-9.2
187	-34.1	-17.5	-5.6	-0.5	-5.9	-2.2	-100.8	-39.1	-31.8	-16.2
188	-59.4	-24.2	-51.2	-19.3	-7.7	-4.1	-67.4	-24.4	-17.8	-9.9
189	-45.0	-22.1	-33.5	-12.7	-15.5	-10.8	-68.4	-25.9	-20.4	-14.4
190	-51.7	-26.1	-37.1	-17.1	-14.1	-10.4	-75.9	-27.9	-22.3	-14.8
191	-50.1	-28.7	-37.0	-18.6	-15.7	-11.9	-69.6	-28.8	-22.1	-15.7
192	-35.0	-15.9	-5.9	-0.1	-5.7	-1.7	-104.7	-36.1	-32.2	-14.9
193	-60.9	-24.6	-53.0	-19.6	-8.2	-4.4	-69.6	-24.5	-18.5	-10.0
194	-47.3	-23.0	-35.5	-13.3	-16.9	-11.6	-71.8	-27.0	-21.5	-15.1
195	-54.4	-27.2	-38.2	-17.8	-15.3	-11.2	-79.7	-29.0	-23.5	-15.6
196	-53.5	-30.7	-39.1	-19.9	-17.5	-13.4	-74.1	-30.2	-23.7	-17.0
197	-33.5	-14.0	-5.6	0.1	-4.5	-0.6	-105.4	-29.4	-30.5	-12.9
198	-55.6	-14.8	-51.0	-14.9	-5.9	-2.0	-64.0	-14.5	-15.5	-6.5
199	-41.4	-14.5	-34.6	-11.2	-13.1	-7.8	-66.3	-17.7	-17.5	-10.6
200	-48.1	-16.7	-36.9	-14.1	-13.0	-8.5	-75.0	-18.1	-20.6	-11.9
201	-50.4	-19.2	-40.2	-15.6	-13.8	-8.9	-68.8	-20.6	-19.0	-12.4
202	-31.3	-16.8	-4.6	0.2	-5.1	-1.7	-90.7	-39.2	-30.5	-16.2
203	-61.4	-28.6	-52.1	-22.0	-9.0	-5.8	-66.7	-26.0	-19.4	-11.9
204	-41.6	-23.1	-30.2	-12.6	-13.1	-9.4	-59.5	-26.4	-18.4	-13.4
205	-47.7	-27.1	-32.6	-15.9	-12.3	-9.3	-67.4	-27.7	-20.3	-14.0
206	-47.9	-31.1	-33.8	-18.7	-14.7	-11.7	-64.1	-29.8	-20.8	-15.6
207	-34.5	-17.2	-6.7	-1.7	-6.8	-3.3	-101.4	-32.5	-31.6	-16.1
208	-51.8	-15.3	-46.8	-14.9	-6.2	-2.8	-57.3	-13.4	-15.3	-7.3
209	-40.5	-18.4	-31.7	-12.5	-14.1	-9.9	-62.6	-19.8	-18.0	-12.5

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Table 6 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
210	-45.4	-20.1	-33.6	-14.9	-12.6	-9.0	-68.4	-19.9	-19.5	-12.4
211	-39.0	-18.2	-30.6	-14.1	-12.2	-8.6	-55.9	-16.1	-17.1	-11.0
212	-30.3	-17.8	-4.2	0.1	-4.8	-1.9	-88.7	-40.0	-29.8	-17.2
213	-57.6	-28.4	-48.4	-20.8	-7.2	-4.2	-62.3	-25.1	-17.1	-10.4
214	-43.1	-23.7	-29.7	-12.0	-14.0	-9.8	-63.6	-25.2	-18.7	-13.4
215	-45.2	-27.1	-29.2	-14.2	-9.6	-6.6	-64.1	-26.6	-16.9	-11.3
216	-46.6	-28.2	-32.7	-15.9	-13.6	-10.4	-62.2	-28.7	-19.0	-14.8
217	-32.5	-17.8	-4.5	0.3	-5.4	-2.1	-96.0	-38.9	-31.0	-17.0
218	-62.1	-29.1	-52.8	-21.9	-9.1	-5.6	-67.8	-26.0	-19.5	-11.8
219	-45.5	-23.7	-32.7	-13.0	-15.9	-11.3	-67.4	-25.6	-20.7	-15.0
220	-49.0	-26.8	-34.3	-15.4	-12.7	-9.6	-68.2	-27.8	-20.5	-14.2
221	-51.4	-27.9	-36.3	-16.3	-13.5	-9.6	-66.4	-28.1	-19.2	-14.1
222	-33.4	-12.1	-6.5	-0.9	-5.2	-1.4	-102.4	-23.0	-31.2	-13.1
223	-60.7	-28.0	-51.9	-21.2	-8.1	-4.6	-67.0	-25.5	-18.4	-10.8
224	-42.9	-17.8	-35.1	-14.0	-14.2	-9.6	-66.4	-19.2	-18.7	-12.3
225	-43.8	-24.1	-29.6	-12.9	-9.0	-6.1	-61.5	-25.6	-16.9	-11.1
226	-50.6	-30.2	-36.7	-18.7	-15.3	-11.5	-69.8	-29.1	-21.8	-15.5
227	-31.6	-18.7	-4.3	-0.2	-6.0	-3.1	-93.6	-39.6	-30.8	-18.2
228	-52.3	-27.4	-43.7	-20.1	-6.7	-4.2	-55.3	-23.2	-15.3	-9.7
229	-40.4	-22.4	-28.9	-12.3	-12.8	-9.7	-58.1	-24.4	-17.9	-13.1
230	-37.1	-20.3	-25.4	-10.8	-7.0	-4.9	-48.9	-20.6	-13.7	-8.8
231	-40.5	-27.8	-24.9	-14.0	-11.4	-8.5	-53.1	-24.4	-16.2	-12.0
232	-30.7	-17.4	-3.5	0.6	-4.8	-1.9	-93.8	-38.0	-29.6	-16.7
233	-57.9	-26.4	-48.9	-19.8	-7.1	-3.9	-63.3	-23.3	-16.6	-9.5
234	-42.2	-21.4	-29.8	-10.8	-14.1	-9.8	-64.3	-22.9	-18.6	-13.1
235	-46.6	-25.4	-32.9	-14.6	-9.7	-7.0	-65.1	-25.8	-17.2	-11.3
236	-41.7	-24.8	-29.5	-13.6	-12.2	-9.0	-55.8	-26.2	-17.0	-13.2
MAXD	-69.0	-34.9	-53.0	-25.1	-18.9	-13.4	-111.1	-48.7	-40.0	-24.0
MD	-41.4	-16.9	-28.0	-10.2	-8.3	-4.6	-61.3	-20.1	-16.7	-9.4
MAD	41.4	16.9	28.0	10.4	8.3	4.9	61.3	20.1	16.7	9.5

Table 7: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the OLYP functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	1.6	53.8	17.1	56.7	55.8	63.2	7.7	54.2	50.8	61.1
2	-1.8	56.9	16.1	60.2	58.6	66.9	6.1	58.4	53.4	64.9
3	-0.4	51.9	14.9	54.7	54.4	61.9	6.1	52.9	49.5	59.9
4	-1.9	58.7	16.2	62.0	60.2	68.7	6.0	60.2	54.9	66.9
5	-0.6	56.0	15.7	58.9	57.9	66.1	6.0	56.9	52.6	63.9
6	-1.6	59.6	16.4	62.9	60.9	69.6	5.9	61.0	55.6	67.8
7	-0.2	56.4	16.1	59.2	58.4	66.4	6.2	57.1	53.1	64.2
8	12.7	35.0	37.4	45.4	38.4	43.9	-60.9	14.6	9.0	31.5
9	15.6	39.5	40.8	49.3	42.3	48.0	-60.0	20.7	12.1	36.0
10	-1.9	13.9	24.9	31.1	26.9	31.4	-66.0	-3.9	-1.7	15.9
11	2.2	18.8	28.1	34.5	30.6	35.1	-64.0	1.8	1.9	20.2
12	14.0	36.5	38.4	46.6	39.8	45.5	-60.0	16.1	10.4	33.2
13	17.7	41.9	42.6	51.5	44.2	50.1	-58.2	22.8	14.1	38.3
14	-1.4	14.5	25.1	31.4	27.0	31.6	-65.8	-3.5	-1.3	16.4
15	6.8	26.1	33.3	40.5	35.9	40.9	-62.2	10.8	6.4	27.0
16	17.7	42.5	42.5	51.3	44.0	50.0	-58.6	22.3	13.9	38.3
17	18.4	42.8	43.4	52.5	45.1	51.0	-57.7	23.7	14.9	39.3
18	-0.7	15.9	26.0	32.9	28.1	32.7	-65.4	-2.0	-0.7	18.0
19	8.4	28.7	35.0	42.6	37.5	42.7	-61.3	13.7	7.9	29.4
20	18.4	43.3	43.2	52.1	44.7	50.8	-58.2	23.1	14.7	39.1
21	43.9	66.7	48.9	68.3	71.9	74.0	40.5	66.5	64.1	70.2
22	18.3	34.0	24.7	40.3	47.9	49.1	17.9	37.9	40.1	44.2
23	45.1	68.6	50.1	70.3	74.3	76.3	42.1	68.1	65.8	72.3
24	42.0	65.4	46.9	67.1	70.9	72.6	38.6	65.1	62.5	68.7
25	43.6	68.2	49.1	70.0	73.6	75.6	40.2	67.9	65.3	71.9
26	41.9	64.3	46.5	65.7	69.8	71.7	38.7	63.8	61.9	68.0
27	43.9	66.7	48.6	68.0	71.9	73.9	40.3	66.1	64.1	70.2
28	45.9	68.9	50.6	70.0	73.4	75.6	42.6	68.3	65.8	72.0
29	46.1	69.8	51.0	71.3	75.3	77.4	43.2	69.2	67.0	73.4

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Table 7 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
30	46.5	72.7	52.2	73.9	76.9	79.1	43.5	71.8	68.8	75.6
31	31.5	51.8	37.9	56.5	63.2	64.7	30.4	54.7	54.7	60.2
32	47.6	74.5	53.3	75.9	79.0	81.2	44.4	74.0	70.5	77.8
33	47.1	70.2	51.8	71.3	74.8	77.2	43.7	69.1	67.3	73.7
34	46.8	69.8	51.4	70.8	74.1	76.3	43.2	68.9	66.5	72.8
35	47.7	71.6	52.5	73.2	77.1	79.2	44.5	70.9	68.7	75.3
36	50.8	78.3	56.5	79.7	82.5	84.7	47.4	77.7	74.0	81.5
37	48.9	72.0	53.6	73.1	76.5	79.0	45.5	70.9	69.2	75.6
38	37.4	71.7	48.6	72.4	71.6	78.0	10.6	66.3	60.9	73.8
39	39.7	75.8	53.0	77.6	75.4	82.4	9.6	71.7	64.0	78.0
40	37.8	72.5	49.1	73.2	72.6	79.3	10.7	67.0	62.0	75.2
41	41.5	79.8	55.3	81.8	79.2	86.3	10.7	75.8	67.3	82.1
42	38.8	73.5	49.9	74.1	73.5	80.3	11.2	67.7	63.0	76.3
43	42.9	81.8	56.6	83.7	80.7	88.1	11.6	77.6	68.9	84.0
44	38.9	73.7	49.9	74.2	73.6	80.5	11.2	67.8	63.3	76.6
45	47.5	81.4	58.1	85.8	86.7	96.0	29.2	76.4	82.2	91.3
46	7.9	24.7	15.1	32.7	42.3	46.9	-5.0	23.3	36.4	41.9
47	33.0	60.2	42.5	63.5	66.3	73.6	19.8	56.2	61.8	69.2
48	50.6	89.7	62.9	95.3	94.5	105.4	31.8	85.2	90.8	100.9
49	14.2	40.7	24.8	48.8	56.2	62.5	1.6	39.1	50.6	57.6
50	33.8	64.1	45.0	67.6	70.2	78.2	19.3	60.4	65.6	73.7
51	47.4	80.9	58.5	85.2	86.6	95.7	30.6	76.3	82.2	90.8
52	53.3	94.6	66.2	100.1	98.6	110.2	34.8	90.2	95.0	105.8
53	18.1	47.3	29.4	55.0	61.9	68.8	4.8	45.8	56.0	63.8
54	34.8	66.7	46.7	70.1	72.5	80.8	20.3	63.0	67.8	76.3
55	48.9	82.9	59.7	86.5	87.1	96.3	32.9	77.7	83.1	91.5
56	11.2	57.3	30.4	60.9	55.7	63.5	2.4	52.4	49.6	60.6
57	9.4	62.9	31.4	67.3	60.8	69.7	1.1	58.9	54.6	66.8
58	11.2	57.3	30.0	60.6	55.4	63.6	2.6	52.5	49.6	60.8
59	11.1	62.6	30.6	65.2	58.2	67.2	0.4	57.1	52.6	64.9
60	11.4	57.5	29.9	60.7	55.5	63.8	2.6	52.5	49.8	61.0
61	10.4	67.3	32.9	71.7	64.4	74.1	1.5	63.1	58.1	71.5

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Table 7 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
62	11.6	57.6	30.1	60.8	55.6	63.9	2.6	52.5	50.1	61.2
63	52.9	88.4	64.3	88.8	84.4	91.2	23.8	85.5	75.8	89.4
64	-22.2	29.7	-3.4	37.5	43.6	49.5	-11.6	36.3	36.7	46.4
65	-23.3	21.6	-6.2	29.9	37.1	42.6	-12.1	29.2	31.0	39.6
66	-21.4	31.4	-3.3	38.7	44.4	50.6	-11.6	37.4	37.6	47.6
67	-22.5	26.9	-5.7	34.5	39.2	45.2	-13.2	33.2	33.2	42.7
68	-22.5	23.2	-5.7	31.4	38.2	44.1	-11.9	30.6	32.2	41.2
69	-21.7	32.0	-3.9	39.2	44.5	51.0	-12.4	37.8	37.6	48.1
70	-23.0	27.0	-6.1	34.4	39.0	45.4	-13.7	33.2	33.4	43.0
71	-22.4	23.5	-6.0	31.6	38.1	44.2	-12.4	30.5	32.1	41.3
72	-21.0	32.7	-3.3	39.9	45.1	51.7	-11.9	38.4	38.4	48.9
73	-22.6	27.3	-5.9	34.7	39.2	45.7	-13.6	33.3	33.6	43.4
74	-22.2	23.9	-5.8	32.1	38.4	44.6	-12.3	30.9	32.6	41.8
75	3.3	19.6	29.7	35.7	32.8	37.1	-66.2	0.8	3.8	21.2
76	6.6	25.1	32.4	39.5	35.7	40.5	-64.2	5.2	6.1	25.5
77	4.4	22.8	29.3	36.2	32.4	37.2	-64.1	4.3	3.8	22.7
78	4.5	21.1	30.4	36.6	33.6	38.0	-64.9	2.2	4.9	22.5
79	7.2	26.6	33.1	40.9	36.4	41.5	-63.9	6.9	6.6	27.0
80	6.0	24.5	30.5	37.5	33.6	38.3	-62.4	6.0	5.3	24.3
81	4.9	22.2	30.7	37.5	34.0	38.6	-64.7	3.3	5.1	23.5
82	8.2	27.6	34.0	41.8	37.3	42.4	-62.9	8.0	7.6	28.1
83	6.1	24.7	31.0	38.4	34.2	39.0	-63.0	5.8	5.7	25.0
84	5.9	23.2	31.7	38.5	34.9	39.6	-63.7	4.3	6.2	24.6
85	14.5	35.5	20.8	38.9	46.2	46.9	11.6	37.2	37.3	42.4
86	21.2	41.6	27.4	44.9	52.5	53.2	18.9	43.3	43.7	48.6
87	24.0	39.6	28.3	42.2	52.4	53.1	21.3	39.6	44.3	48.8
88	20.6	39.7	26.5	42.9	50.9	51.5	18.7	41.2	42.4	47.0
89	14.8	35.9	20.8	38.9	46.0	46.7	11.6	37.1	37.1	42.3
90	20.4	41.9	26.7	44.6	51.3	52.1	18.4	43.1	42.4	47.6
91	14.7	36.1	20.7	39.0	45.9	46.8	11.5	37.3	37.1	42.4
92	20.5	41.9	26.7	44.7	51.3	52.1	18.4	43.2	42.4	47.6
93	22.0	42.5	27.9	45.4	53.0	53.7	19.4	43.9	44.2	49.2

Continued on next page

Table 7 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
94	22.1	42.5	28.1	45.4	53.1	53.7	19.5	43.9	44.4	49.2
95	18.4	40.9	24.0	43.5	49.6	50.4	14.8	41.6	40.3	46.0
96	21.5	43.1	27.7	45.7	52.2	53.1	19.4	44.3	43.4	48.8
97	18.8	41.7	24.4	44.2	50.3	51.1	15.1	42.5	40.9	46.7
98	24.8	40.8	28.6	42.7	51.9	52.9	21.9	40.6	44.4	48.9
99	21.7	42.1	27.2	44.8	51.3	52.2	18.7	42.8	42.6	47.8
100	23.1	43.8	28.9	46.7	54.2	55.0	20.2	45.1	45.3	50.5
101	23.2	41.1	27.6	43.5	50.1	50.9	20.2	41.4	41.8	46.8
102	21.3	42.8	27.5	45.5	52.2	53.1	19.1	43.9	43.4	48.7
103	20.3	43.8	26.0	46.0	51.6	52.6	16.8	44.4	42.3	48.4
104	21.5	42.8	27.7	45.5	52.4	53.1	19.2	43.9	43.6	48.7
105	22.7	41.9	28.4	44.8	52.5	53.2	20.4	43.1	44.2	49.0
106	23.4	44.0	29.3	46.8	54.4	55.0	20.5	45.2	45.7	50.6
107	16.3	44.6	30.4	52.0	55.3	60.1	-11.0	43.1	42.6	54.1
108	8.4	29.6	21.7	39.7	44.2	48.2	-16.5	29.3	32.8	42.0
109	17.6	47.8	31.6	54.8	57.2	62.6	-10.2	45.7	44.5	56.7
110	14.8	44.1	27.9	50.2	51.9	57.1	-10.9	42.0	40.1	51.7
111	10.9	34.1	23.8	43.5	47.0	51.6	-15.2	33.2	35.7	45.6
112	18.8	50.0	32.8	56.9	58.7	64.2	-9.6	47.5	46.0	58.5
113	15.3	44.6	28.4	50.5	52.2	57.3	-10.5	42.4	40.7	52.1
114	11.6	36.1	24.6	45.2	48.4	53.2	-14.9	34.9	36.8	47.5
115	19.2	50.3	33.2	57.2	59.0	64.4	-9.3	47.8	46.3	58.9
116	15.5	44.8	28.5	50.8	52.6	57.7	-10.5	42.4	41.0	52.5
117	11.9	36.6	24.8	45.6	48.6	53.6	-14.8	35.3	37.1	47.9
118	16.9	39.5	24.2	44.9	52.9	58.3	1.6	36.7	46.6	53.2
119	18.7	40.6	24.5	43.0	48.0	53.8	4.2	36.1	43.2	49.0
120	13.1	33.3	19.9	39.8	48.8	54.2	-1.5	31.3	42.8	49.1
121	19.0	42.3	26.3	45.1	50.3	56.0	4.8	38.7	45.0	51.2
122	20.9	44.6	27.6	49.5	56.2	62.3	3.9	41.6	50.1	57.4
123	17.5	41.7	23.7	44.5	49.1	55.4	2.9	36.9	44.6	50.8
124	17.2	40.4	24.4	45.6	53.4	59.1	-0.3	38.1	47.1	54.1
125	20.5	46.8	27.8	49.1	53.1	59.2	6.0	42.4	48.0	54.8

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Table 7 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
126	19.3	43.4	26.1	45.8	50.3	56.4	5.1	39.3	45.6	51.8
127	21.5	47.3	29.6	52.2	59.1	65.3	4.8	44.5	52.7	60.3
128	-10.6	32.9	11.7	40.7	40.8	47.0	-16.4	32.4	32.9	43.1
129	-12.8	26.6	8.4	34.9	35.2	41.0	-17.5	27.1	28.2	37.3
130	-9.8	33.7	11.6	41.1	40.7	47.4	-16.3	32.9	33.1	43.6
131	-11.8	30.4	8.7	37.9	37.4	43.7	-17.7	29.9	30.4	40.5
132	-11.7	28.0	9.0	36.0	36.1	42.4	-16.8	28.2	29.3	38.6
133	-9.7	35.7	12.2	43.0	42.2	49.4	-16.5	34.7	34.4	45.6
134	-12.0	30.1	8.4	37.5	36.7	43.3	-17.9	29.6	30.1	40.2
135	-11.5	28.7	8.9	36.6	36.2	43.0	-17.1	28.7	29.5	39.3
136	-9.1	36.2	12.7	43.5	42.6	49.8	-16.1	35.2	35.0	46.1
137	-11.5	30.7	8.7	38.1	37.1	44.0	-17.6	30.0	30.6	40.9
138	-10.9	29.6	9.4	37.4	36.9	43.8	-16.7	29.5	30.2	40.1
139	24.5	49.7	36.9	55.5	57.5	61.9	-1.0	49.3	47.6	58.2
140	26.9	54.8	39.3	60.4	60.9	66.0	0.6	53.7	50.9	62.6
141	23.3	49.2	34.8	53.9	54.4	58.9	-1.1	48.1	45.4	55.8
142	-23.9	9.3	-13.0	18.9	34.0	36.3	-26.4	12.1	18.5	28.2
143	-24.0	6.4	-13.8	15.9	31.3	33.6	-25.2	10.4	16.1	25.1
144	-22.9	5.9	-13.3	16.1	32.0	34.5	-24.0	10.5	16.8	25.8
145	-25.6	6.0	-14.6	15.6	31.5	33.7	-27.7	9.0	16.9	26.1
146	-25.8	3.1	-15.7	12.5	28.8	30.9	-26.9	7.0	14.3	22.7
147	-25.3	3.2	-14.7	13.7	30.5	32.7	-25.6	8.2	15.9	24.5
148	-5.3	4.7	18.1	22.3	19.4	22.8	-59.2	-16.1	-7.0	5.5
149	-3.1	16.4	22.5	29.6	23.1	28.1	-75.5	-11.0	-6.9	12.9
150	-20.1	7.7	-11.8	16.5	31.0	34.5	-23.2	12.4	16.0	25.2
151	11.8	48.3	12.2	50.2	54.6	61.1	1.2	46.4	41.6	54.7
152	6.4	23.9	15.3	32.6	32.5	36.9	-11.3	22.6	24.5	31.6
153	23.7	48.1	28.3	48.9	46.3	52.0	0.9	38.8	38.7	47.6
154	1.8	19.2	17.7	32.8	36.5	40.2	-14.6	20.6	24.9	32.9
155	11.9	35.7	22.6	43.2	45.4	49.9	-5.1	33.9	37.0	44.7
156	24.8	49.3	35.8	54.0	52.5	57.7	1.1	45.4	43.2	53.2
157	16.5	42.9	25.6	47.5	50.7	56.0	-1.3	39.3	42.0	50.5

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Table 7 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
158	-4.7	5.3	18.4	22.7	20.4	23.8	-58.7	-15.4	-6.0	6.5
159	-4.9	5.2	18.1	22.5	20.1	23.5	-59.2	-15.8	-6.4	6.2
160	-19.5	8.3	-11.4	16.8	31.7	35.2	-22.9	12.7	16.7	25.8
161	15.6	53.1	15.6	54.7	58.8	65.2	6.3	52.5	45.3	59.0
162	1.5	16.7	11.4	27.9	30.3	34.0	-12.0	15.4	20.7	26.9
163	26.4	52.0	32.5	54.4	51.9	58.4	3.4	46.0	44.1	53.7
164	-2.1	15.5	12.2	28.5	33.3	36.3	-15.0	17.1	21.5	28.9
165	0.5	16.4	12.5	28.6	32.0	35.5	-13.3	16.3	22.0	28.4
166	22.8	51.6	36.9	57.3	57.9	63.5	-2.1	48.4	46.6	58.3
167	8.4	34.0	20.7	42.6	46.3	51.1	-8.8	31.0	36.8	44.9
168	-4.3	5.8	18.8	23.2	20.9	24.5	-58.5	-14.9	-5.5	7.1
169	-4.3	6.1	19.0	23.5	21.1	24.6	-59.0	-14.7	-5.5	7.2
170	-21.5	6.1	-13.1	14.6	28.6	32.3	-24.2	10.7	13.9	23.0
171	-15.8	20.6	-10.3	27.1	38.0	43.0	-23.8	22.0	21.9	34.8
172	7.9	25.3	19.5	37.2	36.5	41.3	-11.1	23.9	26.8	34.4
173	21.5	49.7	29.8	54.5	52.6	58.9	-3.0	45.5	43.5	54.2
174	-0.5	15.0	11.4	27.4	31.2	34.7	-14.0	15.3	21.6	27.7
175	15.7	47.1	32.6	55.7	56.5	62.3	-9.3	45.6	44.1	56.7
176	16.7	44.9	30.7	52.1	53.8	60.0	-5.4	44.7	44.0	55.4
177	-3.8	6.2	19.2	23.5	21.3	24.8	-57.7	-14.5	-5.0	7.5
178	7.2	31.8	32.7	41.4	34.4	40.1	-69.7	9.6	3.9	27.6
179	-21.1	6.5	-12.7	15.0	29.0	32.7	-23.8	11.0	14.3	23.3
180	-20.0	7.9	-12.0	16.3	31.2	34.8	-23.5	12.1	16.2	25.4
181	13.6	37.8	24.6	47.4	45.7	51.8	-8.8	35.4	36.1	45.8
182	15.9	41.2	26.7	50.2	48.2	54.6	-7.0	38.7	38.8	48.9
183	-0.7	16.9	13.5	29.8	34.6	37.6	-13.5	18.2	22.9	30.2
184	0.1	15.4	11.8	27.7	31.5	35.0	-13.4	15.7	21.9	28.0
185	13.5	41.1	29.8	51.4	52.8	58.1	-10.4	40.4	40.4	52.1
186	9.1	32.3	22.8	42.5	45.2	50.5	-10.6	33.4	35.2	45.3
187	0.5	19.8	27.1	34.2	29.2	34.2	-69.5	-4.2	-1.1	18.2
188	-13.4	26.6	-7.3	31.5	43.1	48.3	-23.1	24.8	26.8	39.4
189	13.7	41.0	25.6	50.9	48.5	54.7	-11.4	36.1	37.9	47.9

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Table 7 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
190	11.3	41.1	28.4	51.5	53.7	58.7	-15.3	38.0	39.9	51.7
191	7.8	33.2	22.0	43.6	46.7	51.8	-14.6	31.2	35.2	45.4
192	3.9	26.3	31.4	39.6	33.9	39.4	-69.6	3.6	2.7	24.2
193	-13.7	27.7	-8.1	32.8	44.1	49.5	-24.0	26.4	27.4	40.8
194	15.0	44.2	27.1	54.1	50.8	57.7	-11.0	39.2	40.2	51.0
195	11.3	43.2	29.8	53.8	55.3	60.9	-16.3	40.1	41.5	54.0
196	7.1	34.1	22.6	45.2	47.7	53.2	-16.5	32.9	36.3	47.0
197	13.0	34.6	39.6	47.4	43.5	48.7	-61.0	18.2	12.8	34.8
198	-0.6	45.5	2.0	46.3	54.8	60.2	-10.6	44.5	39.3	53.8
199	26.7	58.4	34.1	62.8	60.9	67.7	0.2	54.2	51.0	62.6
200	28.2	64.4	42.4	68.9	69.5	75.4	-1.1	61.7	56.4	70.0
201	20.0	56.7	32.4	62.2	64.5	70.6	-0.2	54.0	54.2	65.0
202	-1.7	15.6	22.9	29.8	24.4	29.1	-64.4	-9.6	-4.3	13.1
203	-20.3	16.5	-13.6	22.7	36.0	40.6	-27.3	17.5	20.1	31.7
204	4.5	26.4	15.3	36.7	37.0	42.1	-14.7	22.2	27.1	35.3
205	4.0	27.8	20.4	39.8	43.1	47.4	-17.8	26.0	30.6	40.3
206	-0.6	19.0	13.5	31.0	35.8	39.9	-19.7	18.6	25.4	33.6
207	7.0	26.2	32.8	39.7	35.1	39.9	-62.0	9.7	6.5	25.7
208	-2.9	38.2	0.0	38.9	47.3	52.2	-10.1	38.7	33.3	45.8
209	19.3	45.2	27.9	51.4	50.1	55.7	-4.6	42.6	41.3	50.7
210	17.5	46.3	31.1	52.7	54.4	59.3	-8.0	45.2	43.1	54.1
211	18.4	42.9	28.0	47.4	49.6	54.5	-1.5	43.1	40.8	50.4
212	-4.5	10.3	19.3	25.3	21.2	25.2	-65.7	-14.3	-7.3	8.1
213	-23.0	9.5	-16.2	16.8	31.8	35.9	-29.1	11.6	16.0	26.4
214	7.8	30.6	21.1	42.5	41.9	47.3	-14.2	28.3	31.7	40.4
215	1.4	21.7	18.6	35.6	40.7	44.6	-19.4	21.5	28.6	37.1
216	-1.9	20.0	13.3	33.4	37.6	41.6	-19.2	18.3	27.1	34.2
217	-1.8	15.3	23.8	30.4	25.5	29.9	-67.9	-7.9	-3.9	13.2
218	-23.0	13.9	-16.3	20.9	34.6	39.4	-30.2	15.8	18.1	30.0
219	11.5	37.2	24.5	48.3	46.4	52.4	-11.9	34.6	36.0	45.5
220	5.4	31.1	21.2	43.2	46.2	50.3	-15.3	28.9	33.3	42.9
221	0.7	28.6	17.2	41.5	45.9	50.7	-16.0	27.4	35.0	43.4

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Table 7 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
222	15.4	39.1	41.5	49.4	45.1	50.2	-56.7	26.6	14.5	37.2
223	-21.4	15.3	-15.2	21.9	35.7	40.6	-29.2	16.5	19.4	31.3
224	22.2	51.6	30.5	56.5	56.3	62.3	-3.0	49.2	46.5	57.4
225	2.5	25.3	17.5	37.0	41.4	45.3	-16.5	23.2	29.2	38.0
226	5.5	29.3	20.2	41.1	45.1	50.0	-16.4	29.1	33.8	43.8
227	-4.9	9.8	19.9	25.4	21.0	24.8	-69.3	-13.1	-7.7	7.5
228	-24.2	3.1	-18.0	10.4	25.4	28.8	-28.7	6.4	11.1	19.8
229	-1.0	20.2	10.5	30.8	32.0	36.0	-20.0	17.6	21.2	29.2
230	-6.1	13.0	6.2	23.3	28.0	30.7	-18.8	12.3	17.0	24.4
231	-5.2	9.3	10.5	22.9	27.3	31.0	-20.3	11.3	17.9	24.5
232	-2.2	12.9	22.6	28.2	24.0	27.8	-67.6	-9.5	-4.7	11.0
233	-19.6	15.5	-12.6	22.5	36.2	40.7	-26.0	17.8	20.6	31.6
234	11.8	36.1	24.7	47.6	45.7	51.1	-11.6	34.1	35.2	44.3
235	2.6	26.8	17.7	38.9	44.3	47.8	-17.3	26.0	31.6	40.8
236	-2.8	17.2	10.5	29.5	33.0	37.0	-18.2	14.8	23.2	29.4
MAXD	53.3	94.6	66.2	100.1	98.6	110.2	-75.5	90.2	95.0	105.8
MD	9.9	38.2	23.6	45.6	48.0	52.8	-11.3	34.2	35.2	46.0
MAD	17.3	38.2	26.3	45.6	48.0	52.8	24.1	35.7	35.8	46.0

Table 8: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the PBE functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-30.8	17.7	-17.6	17.8	16.6	22.4	-26.3	17.6	13.0	20.9
2	-36.7	17.9	-21.2	18.1	16.7	23.1	-30.6	18.9	12.8	21.6
3	-32.7	15.9	-19.5	16.0	15.8	21.7	-28.0	16.3	12.2	20.1
4	-37.4	19.0	-21.8	19.1	17.6	24.3	-31.5	19.9	13.7	22.8
5	-34.8	17.9	-20.8	17.8	17.1	23.5	-30.0	18.1	13.1	21.8
6	-37.4	19.5	-21.9	19.6	18.1	24.8	-31.8	20.4	14.0	23.3
7	-34.4	18.2	-20.4	18.0	17.6	23.8	-29.8	18.3	13.7	22.1

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Table 8 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
8	-21.0	-0.2	2.4	8.8	2.0	6.5	-94.3	-20.9	-24.2	-4.6
9	-20.4	1.9	3.5	10.3	3.5	8.3	-95.9	-17.1	-23.2	-2.5
10	-28.2	-13.4	-0.4	4.5	-0.2	3.4	-93.2	-31.8	-26.4	-10.8
11	-25.8	-10.2	0.8	6.0	1.7	5.3	-92.6	-27.8	-24.6	-8.6
12	-20.1	0.9	3.1	9.6	2.9	7.6	-94.0	-20.0	-23.2	-3.5
13	-18.5	4.0	5.3	12.3	5.4	10.3	-94.4	-15.2	-21.4	-0.4
14	-27.7	-12.7	-0.1	5.0	0.1	3.8	-93.0	-31.4	-25.9	-10.3
15	-24.1	-6.0	2.8	8.5	3.9	7.9	-93.6	-21.8	-22.9	-5.0
16	-17.6	5.4	5.6	12.6	5.9	10.9	-93.5	-15.1	-20.9	0.2
17	-18.0	4.7	5.8	13.0	6.0	10.9	-94.1	-14.7	-20.8	0.3
18	-27.0	-11.5	0.6	6.1	0.9	4.7	-92.6	-30.1	-25.4	-9.0
19	-23.4	-4.4	3.5	9.5	4.5	8.7	-93.6	-19.9	-22.4	-3.7
20	-17.1	6.1	6.1	13.2	6.5	11.4	-93.4	-14.6	-20.3	0.8
21	0.4	21.4	5.0	21.3	24.2	26.2	-3.5	20.9	20.2	24.2
22	-16.0	-1.1	-8.6	4.6	10.8	12.0	-16.7	2.7	6.7	9.4
23	1.7	23.2	6.2	23.3	26.5	28.5	-1.8	22.4	22.1	26.3
24	-0.4	21.3	4.5	21.5	24.4	26.1	-4.2	20.6	20.0	24.0
25	-0.9	21.9	4.2	21.9	24.7	26.6	-5.0	21.0	20.4	24.7
26	0.0	20.8	4.6	20.8	24.0	25.8	-3.7	19.9	19.8	23.8
27	0.4	21.5	4.9	21.1	24.3	26.3	-3.7	20.5	20.3	24.3
28	2.8	23.9	7.1	23.4	26.0	28.1	-1.0	23.0	22.1	26.2
29	2.2	24.0	6.8	23.9	27.2	29.2	-1.3	23.1	22.8	27.0
30	1.3	25.4	6.6	24.8	27.4	29.5	-2.2	24.2	23.1	27.6
31	-9.2	9.7	-2.3	13.3	19.0	20.4	-10.5	12.6	14.3	17.8
32	0.5	25.3	5.8	24.8	27.3	29.4	-3.5	24.4	22.9	27.6
33	3.9	25.0	7.9	24.3	27.1	29.4	-0.1	23.6	23.3	27.5
34	3.8	24.9	7.9	24.2	26.9	28.9	-0.2	23.7	22.9	27.0
35	3.7	25.6	8.1	25.5	28.8	30.8	-0.1	24.6	24.3	28.6
36	2.9	28.2	8.1	27.6	30.0	32.1	-1.2	27.2	25.5	30.4
37	5.5	26.6	9.5	25.9	28.7	31.0	1.5	25.1	24.9	29.1
38	-5.4	26.5	3.0	24.6	25.1	30.5	-32.1	21.2	17.6	27.3
39	-6.7	26.8	4.1	26.4	25.2	31.0	-36.7	22.9	17.2	27.8

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Table 8 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
40	-5.2	27.0	3.3	25.3	26.0	31.6	-32.6	21.4	18.5	28.4
41	-6.7	28.8	4.4	28.4	27.0	32.9	-37.7	24.8	18.7	29.8
42	-4.4	27.9	3.9	26.0	26.8	32.5	-32.3	21.9	19.3	29.3
43	-6.0	30.2	5.0	29.5	28.0	34.1	-37.5	25.9	19.6	31.0
44	-4.5	28.0	3.8	26.0	26.8	32.6	-32.4	21.8	19.4	29.4
45	-1.1	29.7	6.3	31.3	32.5	40.6	-19.3	25.3	30.6	37.3
46	-20.3	-5.2	-14.7	1.7	10.4	14.4	-34.3	-6.7	6.8	10.8
47	-4.9	20.4	2.6	21.2	23.6	29.8	-18.5	16.0	21.6	26.8
48	-2.4	33.3	6.1	35.5	35.5	44.8	-21.1	29.3	34.0	41.4
49	-21.2	3.1	-12.6	9.4	16.6	22.0	-34.5	1.8	13.2	18.3
50	-7.2	21.0	2.1	22.2	24.5	31.4	-22.2	17.2	22.5	28.2
51	-1.2	29.3	6.9	30.8	32.9	40.8	-18.2	25.1	31.1	37.3
52	-2.0	35.7	7.0	37.8	37.2	47.2	-20.5	31.8	35.9	43.8
53	-20.4	6.3	-11.2	12.1	19.1	24.9	-34.4	5.1	15.6	21.2
54	-7.4	22.3	2.6	23.4	25.7	32.8	-22.4	18.6	23.6	29.7
55	0.3	31.3	8.4	32.4	33.6	41.5	-15.7	26.6	32.1	38.1
56	-21.4	21.9	-4.8	22.9	17.9	24.2	-30.3	17.0	13.9	22.1
57	-26.8	23.7	-7.8	25.0	18.9	26.0	-35.4	19.4	14.9	23.9
58	-21.4	21.9	-5.0	22.7	17.9	24.5	-30.3	17.0	14.1	22.4
59	-23.2	24.9	-6.7	24.6	18.2	25.5	-34.6	19.0	14.4	23.6
60	-21.2	22.1	-5.1	22.8	18.1	24.8	-30.3	16.9	14.3	22.7
61	-27.2	26.4	-7.8	27.5	20.8	28.6	-36.5	22.0	16.7	26.6
62	-21.0	22.2	-4.9	22.9	18.2	24.9	-30.3	17.0	14.5	22.8
63	5.1	37.7	13.9	36.0	32.7	38.4	-23.2	35.5	27.2	37.2
64	-54.0	-4.5	-35.7	1.4	7.6	12.1	-44.2	2.3	2.6	9.9
65	-52.8	-9.7	-35.9	-3.0	4.1	8.3	-42.5	-1.9	-0.5	6.1
66	-53.0	-2.8	-35.4	2.6	8.6	13.3	-44.0	3.5	3.6	11.1
67	-50.8	-4.2	-34.9	1.2	6.1	10.8	-42.5	2.1	1.6	8.7
68	-52.2	-8.3	-35.5	-1.7	5.1	9.6	-42.3	-0.8	0.5	7.4
69	-53.1	-2.1	-36.0	3.0	8.6	13.6	-44.8	3.8	3.5	11.3
70	-51.6	-4.3	-35.5	1.0	6.0	10.8	-43.4	1.9	1.6	8.9
71	-51.8	-7.8	-35.7	-1.5	5.1	9.8	-42.6	-0.7	0.6	7.6

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Table 8 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
72	-52.4	-1.4	-35.4	3.6	9.2	14.2	-44.3	4.4	4.2	12.0
73	-50.9	-3.8	-35.0	1.5	6.4	11.3	-43.0	2.2	2.1	9.4
74	-51.8	-7.5	-35.6	-1.2	5.3	10.1	-42.7	-0.5	0.9	7.9
75	-28.2	-12.7	-0.3	4.6	0.9	4.4	-99.0	-32.2	-25.7	-10.5
76	-25.0	-7.8	1.8	7.4	3.4	7.3	-96.3	-27.8	-23.4	-6.6
77	-26.3	-9.1	-0.7	4.9	1.0	4.9	-95.4	-27.9	-25.0	-8.6
78	-26.7	-10.9	0.7	5.7	2.1	5.6	-97.4	-30.6	-24.3	-8.9
79	-24.5	-6.5	2.1	8.3	3.9	8.0	-96.1	-26.5	-23.1	-5.4
80	-24.7	-7.4	0.7	6.3	2.3	6.2	-93.7	-26.3	-23.5	-7.0
81	-26.3	-10.0	0.8	6.3	2.3	6.0	-97.2	-29.7	-24.2	-8.1
82	-23.6	-5.5	2.9	9.1	4.7	8.9	-95.3	-25.5	-22.2	-4.4
83	-24.6	-7.3	1.1	7.0	2.8	6.7	-94.5	-26.7	-23.2	-6.4
84	-25.3	-9.0	1.7	7.2	3.2	7.0	-96.2	-28.7	-23.2	-7.1
85	-19.0	0.6	-11.8	3.4	10.2	10.9	-21.9	2.5	4.9	8.2
86	-15.2	3.9	-8.3	6.4	13.2	13.9	-17.4	5.8	7.9	11.1
87	-7.4	7.0	-2.8	8.8	18.3	18.9	-9.7	7.5	13.3	16.2
88	-14.7	3.2	-7.9	5.9	13.2	13.7	-16.4	5.1	7.9	10.9
89	-18.0	1.7	-11.2	4.0	10.7	11.4	-21.2	3.1	5.4	8.7
90	-14.5	5.2	-7.7	7.3	13.4	14.1	-16.4	6.9	8.0	11.5
91	-18.2	1.7	-11.3	4.0	10.5	11.4	-21.3	3.2	5.2	8.8
92	-14.3	5.4	-7.6	7.4	13.5	14.3	-16.2	7.1	8.1	11.6
93	-14.2	4.9	-7.6	7.1	14.0	14.7	-16.7	6.6	8.7	12.0
94	-14.0	5.0	-7.4	7.2	14.2	14.8	-16.6	6.6	8.9	12.0
95	-14.6	6.1	-8.6	7.7	13.4	14.2	-18.1	7.1	7.8	11.6
96	-13.4	6.5	-6.6	8.5	14.5	15.3	-15.3	8.1	9.2	12.7
97	-14.4	6.6	-8.5	8.1	13.8	14.5	-18.0	7.7	8.1	12.0
98	-5.0	9.8	-1.1	10.6	19.3	20.2	-7.7	9.8	14.5	17.5
99	-12.0	6.8	-6.1	8.6	14.5	15.4	-15.0	7.8	9.3	12.7
100	-12.8	6.5	-6.4	8.5	15.4	16.1	-15.7	7.9	9.9	13.3
101	-7.9	8.6	-3.1	10.3	15.9	16.6	-10.8	9.0	10.8	14.1
102	-13.3	6.4	-6.6	8.5	14.7	15.4	-15.5	7.9	9.4	12.8
103	-13.5	8.0	-7.5	9.2	14.5	15.5	-16.9	9.0	8.9	12.9

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Table 8 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
104	-13.2	6.5	-6.4	8.5	14.9	15.5	-15.3	7.9	9.5	12.9
105	-11.7	6.2	-5.2	8.6	15.6	16.3	-13.9	7.6	10.4	13.6
106	-12.5	6.6	-6.1	8.7	15.7	16.2	-15.4	8.0	10.2	13.5
107	-22.1	4.7	-9.4	10.8	14.7	18.6	-49.1	3.7	5.5	14.2
108	-25.4	-5.0	-12.8	4.1	8.7	11.9	-50.6	-5.5	0.4	7.4
109	-21.1	7.3	-8.5	13.0	16.1	20.5	-48.7	5.7	7.0	16.2
110	-20.6	6.7	-9.1	11.4	13.9	18.0	-45.9	5.2	5.2	14.0
111	-23.3	-1.1	-11.3	7.1	11.0	14.6	-49.7	-2.1	2.6	10.2
112	-19.8	9.5	-7.3	14.9	17.6	22.0	-48.0	7.5	8.4	17.8
113	-20.0	7.3	-8.5	11.9	14.4	18.5	-45.4	5.7	5.9	14.6
114	-22.6	0.6	-10.7	8.4	12.1	16.0	-49.4	-0.6	3.4	11.6
115	-19.3	10.0	-6.9	15.3	18.1	22.4	-47.6	7.9	8.8	18.2
116	-19.6	7.7	-8.2	12.3	14.9	18.9	-45.3	5.8	6.3	15.0
117	-22.4	1.1	-10.5	8.7	12.2	16.3	-49.3	-0.3	3.7	12.0
118	-15.2	5.4	-9.7	9.3	16.8	21.4	-30.7	3.4	12.8	17.6
119	-10.9	9.7	-5.6	10.8	15.4	20.4	-25.8	5.5	12.8	16.9
120	-17.7	0.7	-12.8	5.6	14.1	18.6	-32.9	-0.8	10.1	14.7
121	-12.8	9.1	-6.1	10.6	15.5	20.3	-27.6	5.8	12.5	16.9
122	-12.1	9.5	-7.2	12.7	19.1	24.4	-29.1	7.3	15.3	20.5
123	-11.4	11.3	-5.8	12.6	16.6	21.9	-26.5	6.7	14.1	18.5
124	-15.1	6.0	-9.9	9.5	17.3	22.1	-32.8	4.3	13.2	18.2
125	-11.1	13.4	-4.8	13.9	17.7	22.9	-25.5	9.4	14.7	19.5
126	-11.8	11.0	-5.7	11.9	16.1	21.3	-26.4	7.1	13.4	17.8
127	-13.1	10.4	-6.9	13.6	20.3	25.6	-29.9	8.3	16.4	21.7
128	-40.2	1.5	-18.8	7.6	7.9	12.8	-46.0	1.2	2.7	10.1
129	-40.6	-2.5	-20.0	4.2	4.7	9.2	-45.4	-2.2	-0.1	6.6
130	-38.8	2.8	-18.3	8.5	8.5	13.9	-45.1	2.2	3.4	11.1
131	-38.4	1.7	-19.2	7.1	7.0	12.0	-44.2	1.4	2.2	9.6
132	-39.4	-1.0	-19.3	5.3	5.8	10.6	-44.6	-1.0	1.1	8.0
133	-39.0	4.3	-18.4	9.6	9.3	15.0	-45.8	3.4	4.0	12.2
134	-38.3	1.8	-19.2	7.2	6.8	12.0	-44.2	1.4	2.2	9.6
135	-38.9	-0.2	-19.3	6.0	6.0	11.2	-44.7	-0.4	1.3	8.6

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Table 8 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
136	-38.4	4.9	-17.8	10.1	9.8	15.5	-45.3	3.9	4.6	12.8
137	-37.7	2.4	-18.8	7.7	7.3	12.6	-43.8	1.8	2.8	10.3
138	-38.5	0.6	-18.9	6.6	6.5	11.9	-44.5	0.2	1.8	9.3
139	-12.7	10.8	-1.3	15.8	18.1	21.8	-37.3	11.3	11.5	19.3
140	-10.5	15.4	0.6	19.9	21.0	25.3	-36.0	15.2	14.3	22.9
141	-10.8	13.1	-0.7	16.7	17.7	21.4	-34.4	12.9	11.6	19.2
142	-50.6	-19.2	-38.3	-10.0	5.3	7.2	-52.3	-15.8	-6.7	0.7
143	-47.9	-19.4	-36.5	-10.2	4.9	6.8	-48.2	-14.7	-7.1	0.0
144	-46.8	-19.7	-36.3	-10.1	5.1	7.1	-47.3	-14.6	-6.6	0.4
145	-51.7	-21.8	-39.0	-12.2	3.6	5.4	-52.9	-18.2	-7.6	-0.6
146	-49.1	-22.0	-37.4	-12.5	3.2	4.9	-49.1	-17.1	-8.1	-1.6
147	-49.6	-22.7	-37.5	-12.4	3.5	5.4	-49.1	-17.1	-7.6	-1.0
148	-24.3	-15.1	0.4	3.9	-0.4	2.3	-78.9	-36.3	-24.4	-13.4
149	-31.7	-13.7	-7.2	-1.4	-8.1	-4.0	-104.5	-41.9	-34.7	-17.4
150	-45.5	-18.1	-35.7	-9.9	4.5	7.2	-49.2	-13.9	-6.5	0.3
151	-22.1	11.8	-22.1	12.1	16.6	21.9	-33.3	9.7	7.5	17.4
152	-19.0	-2.5	-9.9	5.6	5.3	8.9	-37.7	-4.5	0.1	5.4
153	-5.5	16.7	-2.3	16.0	13.5	18.4	-28.8	7.3	8.7	15.3
154	-24.8	-8.0	-9.7	4.4	8.0	11.0	-41.7	-7.2	-0.3	5.8
155	-18.4	3.8	-8.8	9.9	11.8	15.7	-35.6	2.0	6.3	12.0
156	-8.5	14.4	0.7	17.4	16.1	20.4	-32.4	10.5	9.5	17.1
157	-14.5	9.9	-7.4	12.1	15.0	19.6	-33.5	5.3	9.5	15.6
158	-24.0	-14.7	0.4	4.0	0.3	3.1	-78.7	-35.9	-23.7	-12.7
159	-24.2	-14.9	0.2	3.8	0.0	2.8	-79.2	-36.3	-24.1	-13.0
160	-44.9	-17.6	-35.3	-9.6	5.2	7.9	-48.9	-13.7	-5.9	0.9
161	-18.7	15.9	-19.3	15.8	19.9	25.0	-28.2	15.4	10.5	20.7
162	-22.4	-8.0	-12.0	2.9	4.4	7.5	-36.9	-10.2	-1.6	2.9
163	-6.2	17.4	-1.2	18.3	16.1	21.6	-30.1	11.0	11.5	18.5
164	-27.4	-10.4	-13.5	1.7	6.1	8.6	-40.8	-9.4	-2.1	3.4
165	-23.0	-8.1	-11.7	3.1	5.5	8.5	-37.7	-8.9	-0.9	3.6
166	-13.6	13.4	-1.6	17.0	18.2	22.9	-38.8	9.9	10.2	19.1
167	-22.8	1.1	-11.5	8.4	11.5	15.5	-40.7	-2.4	5.3	11.2

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Table 8 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
168	-23.8	-14.5	0.7	4.3	0.8	3.6	-78.6	-35.6	-23.3	-12.2
169	-23.9	-14.4	0.6	4.3	0.7	3.5	-79.4	-35.7	-23.5	-12.3
170	-45.8	-18.7	-36.0	-10.6	3.3	6.1	-49.0	-14.5	-7.6	-0.8
171	-46.1	-11.4	-39.5	-5.9	5.5	9.4	-54.4	-10.4	-6.3	3.2
172	-18.7	-2.2	-7.0	9.2	7.6	11.6	-38.9	-4.5	1.7	7.2
173	-13.8	12.5	-6.2	15.9	14.2	19.4	-38.7	8.4	8.6	16.4
174	-23.8	-9.3	-12.4	2.4	5.3	8.2	-38.1	-9.6	-1.0	3.4
175	-21.7	7.8	-6.9	14.1	16.0	20.8	-46.8	5.9	7.2	16.6
176	-19.7	6.4	-7.4	12.2	14.8	19.9	-41.4	6.5	8.3	16.6
177	-23.2	-14.0	1.1	4.7	1.2	4.1	-77.8	-35.1	-22.8	-11.7
178	-26.1	-3.2	-1.8	5.2	-1.3	3.5	-102.8	-25.9	-28.3	-7.7
179	-45.5	-18.4	-35.7	-10.4	3.6	6.5	-48.7	-14.2	-7.2	-0.4
180	-45.6	-18.2	-36.0	-10.3	4.6	7.4	-49.6	-14.4	-6.5	0.4
181	-18.7	3.9	-7.9	12.6	10.7	15.8	-42.3	0.8	5.0	12.0
182	-17.7	6.0	-7.2	14.0	11.8	17.1	-41.7	2.9	6.3	13.6
183	-26.0	-9.1	-12.3	2.8	7.3	9.8	-39.5	-8.5	-0.8	4.6
184	-23.2	-8.8	-11.9	2.8	5.7	8.7	-37.4	-9.1	-0.5	3.9
185	-21.3	4.7	-6.8	13.0	14.9	19.3	-45.7	3.5	6.3	15.0
186	-22.5	-0.8	-9.7	8.5	11.3	15.8	-42.0	0.4	4.7	12.2
187	-26.4	-8.9	1.0	6.6	1.4	5.4	-95.7	-32.2	-25.9	-9.2
188	-45.7	-7.8	-38.2	-3.3	9.1	13.0	-55.0	-8.9	-3.2	6.2
189	-21.2	3.9	-9.7	13.1	11.0	16.0	-46.6	-0.8	4.2	11.5
190	-25.7	2.0	-10.3	11.1	14.1	18.2	-51.9	-0.5	4.2	13.1
191	-26.2	-2.9	-12.9	7.2	10.7	14.9	-47.7	-4.0	2.7	10.3
192	-25.3	-5.1	2.8	9.2	3.7	8.1	-97.7	-27.0	-24.3	-5.6
193	-47.0	-7.9	-39.9	-3.2	8.9	13.1	-57.0	-8.6	-3.6	6.4
194	-21.3	5.4	-9.4	14.8	11.9	17.5	-47.8	0.6	5.4	13.1
195	-26.9	2.6	-10.0	12.1	14.5	19.0	-54.3	0.0	4.6	14.0
196	-27.7	-2.9	-13.1	7.9	10.8	15.3	-50.5	-3.3	3.0	11.0
197	-22.1	-1.7	4.9	11.1	6.7	11.0	-96.8	-18.7	-20.9	-1.9
198	-38.6	5.3	-35.0	4.8	14.2	18.4	-48.5	4.8	2.6	13.4
199	-13.6	15.8	-7.0	18.7	17.3	23.0	-40.7	11.7	11.3	19.6

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Table 8 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
200	-16.0	18.0	-4.1	20.4	21.6	26.4	-45.1	15.7	12.4	22.6
201	-20.8	13.4	-10.3	16.8	19.2	24.4	-41.2	11.1	12.5	20.4
202	-25.5	-10.1	-0.1	5.4	0.1	3.9	-87.0	-34.1	-26.4	-11.2
203	-50.7	-15.5	-42.3	-9.3	4.5	8.0	-57.3	-13.8	-7.9	0.9
204	-24.6	-4.4	-13.4	5.8	6.0	10.1	-44.0	-8.5	-0.8	5.2
205	-27.9	-5.8	-12.4	5.5	9.2	12.6	-49.3	-7.0	-0.3	7.1
206	-29.8	-11.6	-15.8	0.7	5.4	8.7	-47.9	-11.2	-2.2	4.0
207	-26.0	-7.9	0.8	6.3	1.3	5.2	-95.5	-24.7	-24.9	-8.2
208	-37.7	1.6	-33.7	1.4	10.5	14.3	-44.5	2.7	-0.3	9.2
209	-17.4	6.9	-8.7	12.4	11.3	15.9	-41.4	4.7	5.9	12.6
210	-20.9	6.3	-8.7	11.4	13.7	17.7	-45.9	5.8	5.5	13.9
211	-15.5	7.2	-7.1	10.9	13.3	17.2	-34.4	8.4	7.1	14.3
212	-26.4	-13.1	-1.4	3.3	-1.4	1.8	-86.7	-36.9	-27.6	-14.1
213	-49.8	-18.5	-41.3	-11.2	3.6	6.8	-55.6	-15.8	-8.5	-0.6
214	-24.2	-2.9	-10.7	8.7	7.5	12.0	-46.5	-5.1	1.1	7.4
215	-30.1	-10.7	-13.5	2.6	7.4	10.7	-50.6	-10.7	-1.4	5.1
216	-30.1	-9.8	-15.7	2.7	5.9	9.3	-47.4	-11.1	-1.2	4.0
217	-26.6	-11.1	0.1	5.5	0.0	3.5	-92.3	-33.7	-26.9	-11.9
218	-52.0	-16.7	-43.6	-9.8	4.1	7.9	-59.0	-14.3	-8.5	0.5
219	-23.1	0.8	-10.2	11.4	9.2	14.1	-46.9	-1.8	2.6	9.5
220	-28.2	-4.1	-13.0	7.3	10.4	13.8	-49.0	-5.9	0.9	8.2
221	-32.1	-6.2	-16.5	5.5	9.3	13.4	-48.9	-7.2	1.9	8.0
222	-21.7	0.6	4.3	10.7	6.3	10.5	-93.6	-11.9	-21.3	-1.7
223	-50.4	-15.3	-42.5	-8.9	5.2	9.1	-57.9	-13.6	-7.2	1.8
224	-17.5	10.0	-9.7	13.5	13.8	18.8	-43.1	7.8	7.6	15.5
225	-26.6	-5.4	-12.1	5.8	10.0	13.2	-45.7	-7.4	0.7	7.5
226	-27.9	-5.7	-13.9	5.6	9.7	13.8	-49.1	-5.4	1.6	9.1
227	-27.8	-14.3	-1.6	2.9	-2.6	0.5	-91.9	-36.6	-28.7	-15.3
228	-47.4	-20.9	-39.4	-13.6	1.0	3.6	-51.3	-17.1	-9.7	-3.0
229	-26.7	-7.1	-15.1	3.1	3.5	6.9	-45.9	-9.6	-3.6	2.3
230	-27.6	-9.6	-15.7	0.0	4.1	6.3	-40.3	-10.3	-4.0	1.7
231	-28.9	-15.2	-13.1	-1.3	2.2	5.3	-43.1	-12.5	-4.1	0.9

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Table 8 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
232	-26.2	-12.2	-0.1	4.5	-0.7	2.5	-91.4	-34.2	-26.8	-13.0
233	-48.5	-14.7	-40.1	-8.2	5.5	9.0	-54.8	-12.1	-6.1	2.2
234	-21.4	1.4	-8.8	12.0	9.5	14.0	-45.2	-0.7	3.1	9.7
235	-30.1	-7.1	-15.6	4.0	9.3	12.2	-50.0	-7.9	0.1	7.1
236	-27.6	-9.1	-15.0	2.4	4.6	8.0	-43.0	-11.1	-1.8	2.8
MAXD	-54.0	37.7	-43.6	37.8	37.2	47.2	-104.5	-41.9	35.9	43.8
MD	-23.2	3.3	-10.0	9.7	12.0	15.9	-44.6	-0.6	2.2	10.5
MAD	23.5	11.3	12.1	11.4	12.1	15.9	44.6	13.4	12.0	13.3

Table 9: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the PBE-D3 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-46.8	1.6	-33.7	1.7	0.6	6.4	-42.3	1.6	-3.0	4.9
2	-54.4	0.1	-39.0	0.4	-1.0	5.4	-48.4	1.1	-4.9	3.9
3	-48.6	0.0	-35.4	0.1	-0.2	5.8	-43.9	0.4	-3.7	4.2
4	-56.0	0.4	-40.3	0.6	-0.9	5.7	-50.1	1.4	-4.9	4.2
5	-52.2	0.4	-38.2	0.3	-0.4	6.0	-47.4	0.7	-4.4	4.3
6	-56.5	0.5	-41.0	0.6	-1.0	5.8	-50.9	1.3	-5.0	4.3
7	-52.0	0.6	-38.1	0.4	-0.1	6.1	-47.4	0.7	-4.0	4.5
8	-29.4	-8.6	-6.0	0.4	-6.4	-1.9	-102.7	-29.3	-32.6	-13.0
9	-29.6	-7.3	-5.7	1.1	-5.7	-0.9	-105.1	-26.3	-32.4	-11.7
10	-34.3	-19.5	-6.5	-1.6	-6.3	-2.7	-99.3	-37.9	-32.4	-16.9
11	-32.1	-16.5	-5.5	-0.3	-4.6	-1.0	-98.9	-34.1	-30.9	-14.9
12	-28.8	-7.8	-5.6	0.9	-5.7	-1.1	-102.7	-28.7	-31.9	-12.2
13	-28.1	-5.5	-4.3	2.8	-4.2	0.7	-103.9	-24.8	-30.9	-10.0
14	-34.0	-19.0	-6.4	-1.3	-6.2	-2.5	-99.3	-37.7	-32.2	-16.6
15	-31.5	-13.4	-4.7	1.0	-3.6	0.4	-101.0	-29.3	-30.4	-12.5
16	-27.4	-4.4	-4.2	2.8	-3.9	1.1	-103.3	-24.9	-30.7	-9.6
17	-27.8	-5.1	-4.1	3.2	-3.8	1.0	-103.9	-24.5	-30.7	-9.5

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Table 9 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
18	-33.8	-18.3	-6.2	-0.7	-5.9	-2.1	-99.4	-36.9	-32.2	-15.8
19	-31.4	-12.5	-4.6	1.4	-3.6	0.6	-101.6	-28.0	-30.5	-11.8
20	-27.1	-4.0	-3.9	3.2	-3.6	1.4	-103.4	-24.6	-30.3	-9.2
21	-18.0	3.0	-13.4	2.9	5.7	7.7	-21.9	2.5	1.8	5.8
22	-28.2	-13.3	-20.8	-7.5	-1.3	-0.1	-28.8	-9.4	-5.4	-2.7
23	-19.1	2.5	-14.5	2.5	5.8	7.7	-22.6	1.7	1.3	5.5
24	-19.8	1.9	-14.9	2.1	5.0	6.6	-23.6	1.2	0.6	4.6
25	-21.0	1.7	-16.0	1.7	4.5	6.5	-25.2	0.9	0.2	4.5
26	-18.7	2.0	-14.1	2.0	5.3	7.1	-22.4	1.2	1.1	5.1
27	-18.4	2.7	-13.9	2.3	5.6	7.6	-22.5	1.8	1.5	5.5
28	-16.2	4.9	-11.9	4.4	7.1	9.2	-19.9	4.1	3.2	7.3
29	-19.1	2.7	-14.5	2.6	5.9	7.9	-22.6	1.8	1.5	5.7
30	-20.8	3.3	-15.5	2.7	5.3	7.4	-24.3	2.1	1.0	5.5
31	-26.0	-7.1	-19.2	-3.6	2.1	3.6	-27.4	-4.3	-2.6	1.0
32	-21.4	3.3	-16.2	2.9	5.4	7.5	-25.4	2.4	1.0	5.7
33	-16.3	4.8	-12.2	4.2	7.0	9.3	-20.3	3.4	3.1	7.3
34	-15.4	5.7	-11.3	5.0	7.7	9.8	-19.4	4.5	3.8	7.9
35	-18.2	3.8	-13.7	3.7	6.9	8.9	-21.9	2.7	2.5	6.8
36	-20.0	5.3	-14.8	4.7	7.1	9.2	-24.1	4.3	2.6	7.5
37	-14.8	6.3	-10.8	5.6	8.4	10.7	-18.8	4.8	4.6	8.8
38	-27.0	4.9	-18.6	3.1	3.5	8.9	-53.7	-0.4	-4.0	5.7
39	-30.2	3.3	-19.5	2.8	1.6	7.4	-60.2	-0.6	-6.4	4.2
40	-27.3	5.0	-18.8	3.2	3.9	9.6	-54.6	-0.7	-3.6	6.3
41	-31.7	3.8	-20.6	3.4	2.0	7.9	-62.7	-0.2	-6.4	4.8
42	-26.9	5.5	-18.5	3.6	4.4	10.1	-54.7	-0.6	-3.1	6.9
43	-31.9	4.3	-20.9	3.7	2.1	8.2	-63.4	0.0	-6.3	5.1
44	-27.0	5.5	-18.7	3.5	4.3	10.1	-54.9	-0.7	-3.1	6.9
45	-34.8	-4.1	-27.5	-2.4	-1.2	6.9	-53.0	-8.4	-3.2	3.5
46	-39.5	-24.4	-33.9	-17.5	-8.8	-4.8	-53.5	-25.9	-12.4	-8.4
47	-30.2	-5.0	-22.7	-4.2	-1.8	4.4	-43.9	-9.4	-3.8	1.4
48	-41.2	-5.5	-32.7	-3.3	-3.3	6.0	-59.9	-9.5	-4.8	2.5
49	-46.7	-22.4	-38.2	-16.1	-9.0	-3.6	-60.0	-23.8	-12.4	-7.3

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Table 9 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
50	-34.6	-6.4	-25.3	-5.3	-2.9	3.9	-49.7	-10.2	-4.9	0.8
51	-34.5	-4.0	-26.5	-2.5	-0.4	7.4	-51.6	-8.2	-2.3	3.9
52	-43.0	-5.4	-34.1	-3.3	-3.8	6.1	-61.6	-9.3	-5.2	2.7
53	-48.6	-21.8	-39.4	-16.1	-9.1	-3.2	-62.6	-23.1	-12.6	-7.0
54	-36.3	-6.6	-26.2	-5.5	-3.1	3.9	-51.3	-10.3	-5.2	0.8
55	-33.3	-2.3	-25.2	-1.2	0.0	7.9	-49.3	-7.0	-1.5	4.5
56	-40.3	3.0	-23.6	4.1	-0.9	5.3	-49.1	-1.8	-4.9	3.3
57	-48.2	2.2	-29.2	3.5	-2.6	4.6	-56.9	-2.1	-6.6	2.5
58	-40.5	2.9	-24.1	3.7	-1.2	5.4	-49.3	-2.1	-4.9	3.4
59	-44.7	3.4	-28.2	3.1	-3.3	4.0	-56.1	-2.5	-7.1	2.1
60	-40.4	2.9	-24.3	3.6	-1.1	5.6	-49.5	-2.3	-4.8	3.5
61	-51.1	2.6	-31.6	3.6	-3.0	4.8	-60.4	-1.9	-7.2	2.7
62	-40.3	3.0	-24.2	3.6	-1.0	5.6	-49.5	-2.3	-4.7	3.6
63	-21.9	10.7	-13.2	8.9	5.6	11.4	-50.3	8.5	0.2	10.1
64	-69.0	-19.5	-50.7	-13.6	-7.4	-2.9	-59.2	-12.7	-12.4	-5.1
65	-65.9	-22.8	-48.9	-16.0	-9.0	-4.8	-55.5	-15.0	-13.5	-7.0
66	-68.8	-18.6	-51.2	-13.2	-7.2	-2.5	-59.8	-12.3	-12.2	-4.7
67	-65.1	-18.5	-49.2	-13.1	-8.1	-3.5	-56.7	-12.2	-12.7	-5.5
68	-65.9	-22.0	-49.2	-15.5	-8.6	-4.1	-56.1	-14.5	-13.2	-6.3
69	-69.5	-18.5	-52.4	-13.5	-7.9	-2.9	-61.2	-12.7	-13.0	-5.1
70	-66.2	-18.9	-50.1	-13.6	-8.6	-3.8	-57.9	-12.7	-13.0	-5.7
71	-66.1	-22.1	-49.9	-15.8	-9.1	-4.5	-56.9	-15.0	-13.6	-6.7
72	-69.0	-18.0	-52.1	-13.0	-7.4	-2.4	-60.9	-12.3	-12.5	-4.6
73	-65.8	-18.7	-49.9	-13.4	-8.5	-3.6	-57.9	-12.7	-12.8	-5.5
74	-66.2	-22.0	-50.0	-15.7	-9.1	-4.3	-57.1	-15.0	-13.5	-6.5
75	-34.9	-19.3	-6.9	-2.0	-5.8	-2.2	-105.6	-38.9	-32.4	-17.1
76	-33.1	-15.8	-6.3	-0.6	-4.7	-0.8	-104.4	-35.9	-31.5	-14.6
77	-33.9	-16.8	-8.3	-2.8	-6.7	-2.8	-103.1	-35.6	-32.7	-16.3
78	-33.8	-18.0	-6.4	-1.4	-5.1	-1.5	-104.5	-37.7	-31.4	-16.1
79	-33.1	-15.1	-6.5	-0.3	-4.7	-0.6	-104.7	-35.0	-31.7	-14.0
80	-32.6	-15.3	-7.2	-1.7	-5.6	-1.7	-101.7	-34.2	-31.4	-14.9
81	-33.8	-17.5	-6.7	-1.2	-5.2	-1.4	-104.6	-37.2	-31.7	-15.6

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Table 9 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
82	-32.2	-14.2	-5.7	0.5	-3.9	0.2	-103.9	-34.1	-30.8	-13.1
83	-32.8	-15.5	-7.1	-1.2	-5.4	-1.5	-102.7	-34.9	-31.4	-14.6
84	-32.9	-16.5	-5.9	-0.4	-4.4	-0.5	-103.7	-36.3	-30.7	-14.6
85	-33.8	-14.2	-26.6	-11.5	-4.6	-4.0	-36.7	-12.3	-10.0	-6.7
86	-31.1	-12.1	-24.3	-9.6	-2.7	-2.1	-33.4	-10.1	-8.1	-4.8
87	-21.5	-7.1	-16.9	-5.3	4.1	4.8	-23.9	-6.7	-0.8	2.0
88	-30.2	-12.3	-23.4	-9.7	-2.4	-1.8	-32.0	-10.4	-7.6	-4.6
89	-33.3	-13.7	-26.5	-11.3	-4.6	-4.0	-36.5	-12.2	-10.0	-6.6
90	-31.5	-11.7	-24.7	-9.7	-3.6	-2.8	-33.4	-10.0	-8.9	-5.5
91	-33.5	-13.6	-26.6	-11.3	-4.8	-3.9	-36.7	-12.1	-10.1	-6.6
92	-31.3	-11.6	-24.5	-9.6	-3.5	-2.7	-33.2	-9.9	-8.8	-5.4
93	-30.7	-11.6	-24.0	-9.3	-2.5	-1.8	-33.2	-9.9	-7.8	-4.5
94	-30.5	-11.5	-23.9	-9.3	-2.3	-1.7	-33.1	-9.9	-7.6	-4.4
95	-31.0	-10.4	-25.1	-8.8	-3.0	-2.3	-34.5	-9.4	-8.6	-4.9
96	-30.5	-10.7	-23.7	-8.7	-2.7	-1.9	-32.4	-9.0	-8.0	-4.5
97	-30.9	-9.9	-25.0	-8.4	-2.8	-2.0	-34.5	-8.8	-8.4	-4.6
98	-19.8	-5.1	-16.0	-4.3	4.5	5.3	-22.6	-5.0	-0.4	2.6
99	-28.8	-9.9	-22.9	-8.2	-2.2	-1.4	-31.7	-8.9	-7.5	-4.0
100	-29.6	-10.3	-23.2	-8.3	-1.5	-0.7	-32.5	-8.9	-6.9	-3.5
101	-25.2	-8.7	-20.4	-7.0	-1.4	-0.7	-28.0	-8.2	-6.5	-3.2
102	-30.6	-10.9	-23.9	-8.8	-2.6	-1.9	-32.8	-9.4	-7.9	-4.5
103	-30.6	-9.1	-24.6	-7.8	-2.5	-1.6	-33.9	-8.1	-8.1	-4.1
104	-30.5	-10.8	-23.7	-8.8	-2.4	-1.8	-32.6	-9.4	-7.8	-4.4
105	-28.6	-10.7	-22.2	-8.3	-1.4	-0.7	-30.9	-9.3	-6.6	-3.4
106	-29.4	-10.3	-23.0	-8.2	-1.2	-0.7	-32.3	-8.9	-6.7	-3.4
107	-41.4	-14.7	-28.7	-8.5	-4.7	-0.8	-68.5	-15.7	-13.8	-5.1
108	-40.9	-20.5	-28.3	-11.4	-6.8	-3.6	-66.1	-20.9	-15.1	-8.1
109	-41.9	-13.4	-29.3	-7.7	-4.6	-0.2	-69.4	-15.0	-13.8	-4.6
110	-39.7	-12.4	-28.2	-7.7	-5.2	-1.0	-65.0	-13.8	-13.9	-5.1
111	-40.5	-18.3	-28.5	-10.1	-6.2	-2.5	-66.8	-19.3	-14.6	-7.0
112	-41.7	-12.3	-29.1	-6.9	-4.2	0.2	-69.8	-14.3	-13.5	-4.1
113	-39.4	-12.2	-27.9	-7.5	-5.0	-0.9	-64.9	-13.8	-13.6	-4.9

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Table 9 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
114	-40.8	-17.5	-28.8	-9.7	-6.1	-2.2	-67.6	-18.8	-14.7	-6.5
115	-41.3	-12.0	-28.8	-6.6	-3.9	0.4	-69.6	-14.1	-13.2	-3.7
116	-39.6	-12.3	-28.2	-7.7	-5.1	-1.1	-65.3	-14.2	-13.7	-5.0
117	-40.8	-17.3	-28.9	-9.7	-6.2	-2.1	-67.7	-18.7	-14.7	-6.4
118	-40.5	-19.8	-35.0	-16.0	-8.4	-3.8	-56.0	-21.9	-12.4	-7.6
119	-33.1	-12.4	-27.7	-11.3	-6.8	-1.7	-47.9	-16.6	-9.4	-5.2
120	-41.5	-23.0	-36.5	-18.1	-9.6	-5.1	-56.6	-24.5	-13.6	-9.1
121	-35.0	-13.1	-28.3	-11.6	-6.7	-1.9	-49.8	-16.4	-9.7	-5.3
122	-38.8	-17.2	-33.9	-14.0	-7.6	-2.3	-55.8	-19.4	-11.3	-6.1
123	-35.4	-12.7	-29.8	-11.4	-7.4	-2.1	-50.5	-17.3	-9.9	-5.5
124	-41.4	-20.3	-36.2	-16.8	-9.0	-4.2	-59.1	-22.0	-13.1	-8.1
125	-35.8	-11.3	-29.5	-10.8	-7.0	-1.8	-50.2	-15.3	-10.0	-5.2
126	-34.9	-12.1	-28.7	-11.2	-6.9	-1.7	-49.4	-16.0	-9.7	-5.2
127	-41.3	-17.8	-35.1	-14.6	-7.9	-2.6	-58.1	-19.9	-11.8	-6.5
128	-57.0	-15.3	-35.7	-9.3	-8.9	-4.0	-62.8	-15.7	-14.2	-6.8
129	-55.5	-17.4	-34.9	-10.7	-10.2	-5.7	-60.3	-17.1	-15.0	-8.3
130	-56.1	-14.5	-35.6	-8.8	-8.8	-3.4	-62.4	-15.1	-13.9	-6.2
131	-54.6	-14.5	-35.4	-9.1	-9.2	-4.2	-60.4	-14.8	-14.0	-6.6
132	-55.1	-16.7	-35.0	-10.4	-9.9	-5.1	-60.3	-16.7	-14.6	-7.7
133	-57.8	-14.4	-37.1	-9.2	-9.5	-3.8	-64.6	-15.4	-14.8	-6.6
134	-54.8	-14.7	-35.7	-9.3	-9.7	-4.5	-60.7	-15.1	-14.2	-6.8
135	-55.3	-16.6	-35.7	-10.4	-10.4	-5.1	-61.1	-16.8	-15.1	-7.8
136	-57.4	-14.1	-36.7	-8.8	-9.1	-3.5	-64.3	-15.1	-14.3	-6.2
137	-54.8	-14.6	-35.8	-9.3	-9.7	-4.4	-60.9	-15.2	-14.2	-6.7
138	-55.2	-16.1	-35.6	-10.1	-10.2	-4.8	-61.2	-16.5	-14.9	-7.4
139	-32.7	-9.2	-21.4	-4.3	-2.0	1.7	-57.3	-8.7	-8.5	-0.8
140	-33.2	-7.2	-22.1	-2.8	-1.6	2.6	-58.7	-7.5	-8.3	0.2
141	-31.1	-7.2	-21.0	-3.6	-2.5	1.1	-54.6	-7.4	-8.7	-1.1
142	-61.8	-30.3	-49.4	-21.1	-5.8	-3.9	-63.5	-27.0	-17.8	-10.4
143	-58.0	-29.5	-46.6	-20.2	-5.1	-3.2	-58.2	-24.7	-17.1	-10.0
144	-57.1	-29.9	-46.5	-20.4	-5.1	-3.1	-57.6	-24.9	-16.8	-9.9
145	-62.8	-32.9	-50.0	-23.3	-7.5	-5.7	-64.0	-29.2	-18.6	-11.7

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Table 9 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
146	-59.1	-32.0	-47.4	-22.5	-6.8	-5.1	-59.1	-27.1	-18.1	-11.6
147	-59.8	-32.9	-47.7	-22.6	-6.7	-4.8	-59.3	-27.3	-17.7	-11.1
148	-27.8	-18.6	-3.2	0.4	-3.9	-1.2	-82.4	-39.8	-27.9	-16.9
149	-38.4	-20.3	-13.8	-8.0	-14.7	-10.6	-111.1	-48.5	-41.3	-24.0
150	-52.3	-24.9	-42.5	-16.7	-2.3	0.4	-56.0	-20.7	-13.3	-6.5
151	-37.4	-3.4	-37.4	-3.2	1.4	6.6	-48.6	-5.6	-7.7	2.1
152	-29.9	-13.4	-20.9	-5.3	-5.7	-2.1	-48.7	-15.4	-10.8	-5.5
153	-22.1	0.1	-19.0	-0.6	-3.1	1.8	-45.4	-9.4	-7.9	-1.4
154	-35.4	-18.6	-20.3	-6.2	-2.6	0.4	-52.3	-17.8	-10.9	-4.8
155	-34.0	-11.7	-24.4	-5.6	-3.7	0.2	-51.1	-13.6	-9.3	-3.5
156	-24.8	-1.9	-15.6	1.1	-0.2	4.1	-48.7	-5.8	-6.9	0.8
157	-32.1	-7.7	-25.1	-5.5	-2.6	2.0	-51.1	-12.3	-8.1	-2.0
158	-27.6	-18.3	-3.1	0.4	-3.3	-0.4	-82.3	-39.4	-27.3	-16.3
159	-27.8	-18.5	-3.4	0.2	-3.5	-0.8	-82.8	-39.9	-27.7	-16.6
160	-51.8	-24.4	-42.2	-16.5	-1.7	1.0	-55.7	-20.5	-12.8	-6.0
161	-34.4	0.2	-35.0	0.0	4.2	9.3	-43.9	-0.4	-5.2	5.0
162	-31.5	-17.1	-21.1	-6.2	-4.7	-1.6	-46.1	-19.3	-10.7	-6.2
163	-23.8	-0.2	-18.8	0.7	-1.5	4.0	-47.7	-6.7	-6.1	0.8
164	-36.7	-19.7	-22.8	-7.6	-3.2	-0.7	-50.2	-18.7	-11.4	-5.9
165	-34.3	-19.4	-22.9	-8.2	-5.7	-2.8	-49.0	-20.1	-12.2	-7.7
166	-31.9	-5.0	-19.9	-1.4	-0.2	4.5	-57.1	-8.5	-8.1	0.7
167	-39.4	-15.5	-28.1	-8.2	-5.1	-1.1	-57.3	-19.0	-11.3	-5.4
168	-27.4	-18.1	-2.9	0.6	-2.9	0.0	-82.2	-39.2	-26.9	-15.8
169	-27.7	-18.1	-3.1	0.6	-3.1	-0.2	-83.1	-39.5	-27.3	-16.1
170	-52.6	-25.5	-42.8	-17.5	-3.6	-0.7	-55.8	-21.3	-14.4	-7.6
171	-57.4	-22.8	-50.9	-17.3	-5.9	-1.9	-65.8	-21.7	-17.7	-8.2
172	-30.9	-14.4	-19.2	-3.1	-4.7	-0.7	-51.2	-16.7	-10.5	-5.0
173	-32.7	-6.4	-25.1	-3.1	-4.7	0.5	-57.6	-10.6	-10.4	-2.6
174	-34.6	-20.1	-23.2	-8.4	-5.5	-2.6	-48.9	-20.4	-11.8	-7.4
175	-40.4	-11.0	-25.6	-4.7	-2.7	2.0	-65.6	-12.9	-11.5	-2.2
176	-39.4	-13.3	-27.1	-7.4	-4.9	0.2	-61.1	-13.2	-11.4	-3.0
177	-26.9	-17.6	-2.5	1.1	-2.4	0.5	-81.4	-38.8	-26.4	-15.3

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Table 9 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
178	-35.0	-12.2	-10.7	-3.7	-10.2	-5.5	-111.7	-34.8	-37.2	-16.6
179	-52.3	-25.2	-42.5	-17.2	-3.2	-0.4	-55.5	-21.1	-14.1	-7.3
180	-52.6	-25.2	-43.0	-17.3	-2.4	0.4	-56.6	-21.4	-13.5	-6.6
181	-35.6	-13.0	-24.8	-4.3	-6.2	-1.1	-59.2	-16.1	-11.9	-4.9
182	-35.4	-11.7	-24.9	-3.7	-5.9	-0.6	-59.4	-14.8	-11.4	-4.1
183	-35.4	-18.5	-21.7	-6.5	-2.0	0.4	-48.9	-17.8	-10.2	-4.8
184	-34.0	-19.6	-22.6	-8.0	-5.0	-2.1	-48.2	-19.8	-11.3	-6.9
185	-39.0	-13.1	-24.6	-4.7	-2.8	1.6	-63.4	-14.2	-11.4	-2.7
186	-39.5	-17.9	-26.8	-8.6	-5.7	-1.3	-59.0	-16.7	-12.4	-4.9
187	-33.7	-16.2	-6.3	-0.7	-5.9	-1.9	-103.0	-39.5	-33.2	-16.5
188	-58.9	-21.0	-51.4	-16.4	-4.1	-0.2	-68.2	-22.1	-16.4	-7.0
189	-40.3	-15.2	-28.7	-5.9	-8.1	-3.0	-65.6	-19.8	-14.8	-7.5
190	-45.3	-17.5	-29.9	-8.5	-5.4	-1.4	-71.4	-20.1	-15.4	-6.5
191	-44.9	-21.6	-31.6	-11.6	-8.1	-3.9	-66.5	-22.7	-16.1	-8.5
192	-33.8	-13.6	-5.7	0.8	-4.8	-0.4	-106.2	-35.5	-32.8	-14.1
193	-60.6	-21.5	-53.6	-16.8	-4.7	-0.6	-70.6	-22.2	-17.2	-7.2
194	-41.8	-15.1	-30.0	-5.7	-8.7	-3.0	-68.3	-19.9	-15.1	-7.4
195	-47.5	-18.0	-30.7	-8.6	-6.1	-1.7	-74.9	-20.7	-16.1	-6.7
196	-47.9	-23.0	-33.2	-12.3	-9.3	-4.8	-70.6	-23.4	-17.2	-9.2
197	-31.3	-10.9	-4.3	2.0	-2.5	1.8	-105.9	-27.8	-30.0	-11.0
198	-54.1	-10.1	-50.5	-10.7	-1.3	3.0	-64.0	-10.7	-12.8	-2.1
199	-36.0	-6.5	-29.3	-3.6	-5.0	0.7	-63.1	-10.6	-11.0	-2.7
200	-39.8	-5.8	-27.9	-3.4	-2.2	2.6	-68.9	-8.1	-11.4	-1.2
201	-45.3	-11.1	-34.8	-7.6	-5.2	0.0	-65.7	-13.3	-11.9	-4.0
202	-31.9	-16.5	-6.4	-1.0	-6.3	-2.5	-93.4	-40.5	-32.8	-17.5
203	-61.7	-26.5	-53.3	-20.3	-6.5	-3.0	-68.3	-24.8	-18.9	-10.1
204	-39.3	-19.1	-28.1	-8.9	-8.6	-4.6	-58.7	-23.1	-15.5	-9.5
205	-43.5	-21.4	-28.1	-10.1	-6.4	-3.0	-64.9	-22.6	-15.9	-8.5
206	-44.9	-26.7	-30.8	-14.4	-9.6	-6.4	-63.0	-26.2	-17.3	-11.1
207	-33.6	-15.5	-6.9	-1.3	-6.3	-2.4	-103.1	-32.3	-32.5	-15.8
208	-50.5	-11.2	-46.5	-11.4	-2.2	1.5	-57.3	-10.1	-13.0	-3.6
209	-36.1	-11.8	-27.5	-6.3	-7.5	-2.9	-60.2	-14.0	-12.9	-6.2

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Table 9 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
210	-39.8	-12.6	-27.6	-7.5	-5.2	-1.2	-64.8	-13.1	-13.4	-5.0
211	-33.6	-10.9	-25.1	-7.2	-4.8	-0.8	-52.5	-9.6	-11.0	-3.7
212	-31.6	-18.3	-6.7	-1.9	-6.6	-3.4	-91.9	-42.1	-32.8	-19.3
213	-58.7	-27.4	-50.3	-20.1	-5.3	-2.1	-64.5	-24.8	-17.4	-9.5
214	-39.6	-18.3	-26.1	-6.8	-7.9	-3.4	-61.9	-20.6	-14.4	-8.0
215	-42.7	-23.3	-26.1	-10.0	-5.2	-2.0	-63.2	-23.4	-14.0	-7.5
216	-44.9	-24.6	-30.6	-12.2	-8.9	-5.5	-62.2	-26.0	-16.0	-10.8
217	-33.0	-17.5	-6.2	-0.9	-6.4	-2.8	-98.7	-40.1	-33.3	-18.3
218	-62.6	-27.3	-54.2	-20.4	-6.5	-2.8	-69.6	-24.9	-19.1	-10.1
219	-40.6	-16.8	-27.8	-6.2	-8.4	-3.5	-64.5	-19.3	-15.0	-8.1
220	-45.1	-21.1	-29.9	-9.6	-6.5	-3.2	-65.9	-22.9	-16.0	-8.7
221	-49.7	-23.9	-34.2	-12.1	-8.4	-4.3	-66.5	-24.9	-15.8	-9.6
222	-30.9	-8.6	-4.9	1.4	-2.9	1.2	-102.9	-21.1	-30.6	-11.0
223	-61.2	-26.0	-53.3	-19.6	-5.5	-1.7	-68.7	-24.3	-18.0	-9.0
224	-38.0	-10.5	-30.3	-7.0	-6.8	-1.8	-63.6	-12.7	-12.9	-5.0
225	-40.9	-19.7	-26.5	-8.6	-4.4	-1.2	-60.1	-21.8	-13.6	-6.9
226	-45.8	-23.7	-31.8	-12.4	-8.2	-4.1	-67.1	-23.4	-16.3	-8.8
227	-32.8	-19.3	-6.6	-2.1	-7.6	-4.5	-96.9	-41.6	-33.7	-20.3
228	-54.1	-27.5	-46.1	-20.3	-5.7	-3.0	-58.0	-23.8	-16.4	-9.7
229	-39.0	-19.4	-27.4	-9.2	-8.8	-5.4	-58.1	-21.9	-15.8	-9.9
230	-37.0	-19.0	-25.0	-9.4	-5.3	-3.0	-49.7	-19.6	-13.4	-7.6
231	-39.3	-25.7	-23.6	-11.8	-8.2	-5.1	-53.5	-22.9	-14.5	-9.6
232	-31.7	-17.7	-5.5	-1.0	-6.1	-3.0	-96.8	-39.7	-32.3	-18.5
233	-58.6	-24.8	-50.2	-18.3	-4.6	-1.1	-64.9	-22.2	-16.2	-7.9
234	-37.7	-15.0	-25.2	-4.4	-6.9	-2.4	-61.6	-17.1	-13.3	-6.6
235	-44.1	-21.1	-29.6	-10.0	-4.7	-1.8	-64.0	-22.0	-13.9	-6.9
236	-40.8	-22.3	-28.3	-10.9	-8.7	-5.2	-56.3	-24.4	-15.1	-10.5
MAXD	-69.5	-32.9	-54.2	-23.3	-14.7	11.4	-111.7	-48.5	-41.3	-24.0
MD	-39.1	-12.6	-25.9	-6.2	-3.9	0.0	-60.5	-16.5	-13.7	-5.4
MAD	39.1	13.6	25.9	7.4	5.1	3.3	60.5	17.0	14.0	7.3

Table 10: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the PW91 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-34.5	15.3	-21.0	15.1	13.7	20.1	-30.0	15.1	10.4	18.6
2	-40.5	15.6	-24.8	15.5	13.7	20.8	-34.5	16.4	10.1	19.2
3	-36.3	13.6	-22.8	13.5	12.8	19.4	-31.7	13.8	9.6	17.8
4	-41.3	16.6	-25.4	16.4	14.5	21.8	-35.4	17.4	10.9	20.3
5	-38.5	15.5	-24.3	15.1	14.0	21.0	-33.8	15.6	10.4	19.4
6	-41.3	17.2	-25.6	16.9	14.9	22.4	-35.8	17.8	11.2	20.9
7	-38.2	15.9	-24.0	15.4	14.4	21.3	-33.6	15.8	11.0	19.7
8	-24.0	-2.6	-0.6	6.1	-1.3	3.8	-98.3	-23.8	-27.2	-7.2
9	-23.5	-0.6	0.4	7.6	0.1	5.5	-100.1	-19.9	-26.4	-5.1
10	-30.9	-15.7	-3.1	2.0	-3.2	0.9	-96.9	-34.4	-29.1	-13.2
11	-28.4	-12.4	-1.9	3.5	-1.3	2.8	-96.3	-30.3	-27.4	-11.0
12	-23.2	-1.6	0.0	6.8	-0.4	4.9	-98.1	-22.8	-26.3	-6.0
13	-21.6	1.6	2.1	9.5	1.9	7.5	-98.6	-18.0	-24.5	-3.0
14	-30.3	-15.0	-2.8	2.5	-2.9	1.3	-96.6	-33.9	-28.6	-12.6
15	-26.8	-8.3	0.0	5.9	0.8	5.3	-97.4	-24.3	-25.8	-7.5
16	-20.7	3.0	2.5	9.8	2.5	8.1	-97.7	-17.9	-24.0	-2.3
17	-21.1	2.3	2.5	10.2	2.5	8.0	-98.3	-17.4	-24.0	-2.3
18	-29.7	-13.9	-2.2	3.6	-2.2	2.1	-96.2	-32.6	-28.1	-11.3
19	-26.1	-6.7	0.6	6.9	1.3	6.1	-97.4	-22.4	-25.3	-6.1
20	-20.1	3.6	2.9	10.4	3.0	8.6	-97.6	-17.4	-23.4	-1.7
21	-3.3	18.7	1.5	18.4	21.3	23.6	-7.4	18.0	17.4	21.6
22	-19.0	-3.6	-11.6	2.1	8.3	9.7	-20.2	-0.2	4.2	7.0
23	-2.0	20.6	2.7	20.4	23.7	25.9	-5.8	19.4	19.3	23.7
24	-3.9	18.7	1.0	18.7	21.6	23.5	-8.1	17.7	17.3	21.5
25	-4.6	19.2	0.6	18.9	21.7	24.0	-9.1	18.0	17.4	22.0
26	-3.5	18.1	1.1	17.9	21.1	23.2	-7.6	16.9	17.1	21.3
27	-3.3	18.7	1.3	18.1	21.4	23.7	-7.7	17.5	17.4	21.7
28	-0.8	21.2	3.6	20.4	23.2	25.6	-4.9	20.1	19.3	23.7
29	-1.4	21.4	3.2	21.0	24.2	26.6	-5.3	20.1	19.9	24.4

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Table 10 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
30	-2.4	22.8	3.0	21.9	24.5	26.9	-6.2	21.3	20.3	25.1
31	-12.5	7.2	-5.6	10.5	16.2	17.8	-14.4	9.7	11.5	15.2
32	-3.3	22.5	2.0	21.8	24.3	26.7	-7.6	21.3	19.9	25.0
33	0.3	22.4	4.4	21.4	24.2	26.9	-4.0	20.7	20.5	25.0
34	0.1	22.2	4.4	21.3	24.0	26.4	-4.1	20.8	20.1	24.5
35	0.0	23.0	4.5	22.6	25.8	28.1	-4.1	21.6	21.4	26.0
36	-1.0	25.4	4.3	24.5	26.8	29.3	-5.4	24.1	22.5	27.7
37	1.9	24.0	6.0	23.0	25.7	28.5	-2.3	22.2	22.1	26.6
38	-9.4	23.6	-0.7	21.5	22.0	27.8	-36.7	18.2	14.5	24.5
39	-10.8	23.9	0.4	23.2	22.0	28.2	-41.5	19.9	14.0	25.0
40	-9.3	24.1	-0.3	22.1	22.9	28.9	-37.1	18.4	15.4	25.7
41	-11.0	25.8	0.5	25.1	23.7	30.0	-42.7	21.7	15.3	26.9
42	-8.5	24.9	0.3	22.9	23.6	29.8	-36.8	18.9	16.2	26.6
43	-10.4	27.1	1.0	26.2	24.5	31.2	-42.5	22.8	16.2	28.1
44	-8.6	25.0	0.1	22.8	23.6	29.8	-37.0	18.8	16.3	26.7
45	-6.1	26.1	1.7	27.5	28.7	37.5	-24.8	21.6	27.1	34.1
46	-23.5	-7.8	-17.9	-1.1	7.5	11.9	-38.3	-9.8	3.9	8.2
47	-9.5	16.9	-1.5	17.7	20.0	26.9	-23.5	12.4	18.5	23.9
48	-7.8	29.5	1.2	31.5	31.3	41.5	-27.0	25.4	30.3	38.1
49	-25.0	0.2	-16.4	6.3	13.3	19.2	-39.1	-1.5	10.0	15.5
50	-11.9	17.5	-2.2	18.5	20.7	28.3	-27.5	13.5	19.3	25.3
51	-6.1	25.8	2.4	27.0	29.1	37.7	-23.6	21.5	27.7	34.3
52	-7.5	31.9	2.0	33.7	32.9	43.7	-26.5	27.8	32.2	40.5
53	-24.5	3.3	-15.2	8.8	15.5	22.0	-39.2	1.7	12.3	18.3
54	-12.2	18.8	-1.8	19.6	21.8	29.6	-27.7	14.9	20.3	26.6
55	-4.6	27.7	3.9	28.6	29.7	38.4	-21.1	22.9	28.8	35.2
56	-25.3	19.3	-8.4	20.0	14.6	21.6	-34.7	14.1	11.3	19.8
57	-30.8	21.1	-11.6	22.0	15.4	23.4	-40.1	16.4	12.1	21.4
58	-25.3	19.4	-8.6	19.8	14.5	22.0	-34.7	14.1	11.5	20.1
59	-27.4	22.3	-10.6	21.6	14.7	22.9	-39.3	16.1	11.7	21.2
60	-25.1	19.5	-8.7	19.9	14.7	22.2	-34.7	14.1	11.7	20.3
61	-31.7	23.6	-12.0	24.2	16.9	25.7	-41.6	18.8	13.6	23.9

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Table 10 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
62	-24.9	19.6	-8.5	20.0	14.8	22.3	-34.6	14.1	11.9	20.5
63	0.7	34.5	9.8	32.5	29.1	35.3	-28.3	32.3	23.8	34.2
64	-57.0	-6.4	-38.7	-0.9	5.0	10.1	-47.6	0.0	0.2	7.7
65	-55.5	-11.5	-38.5	-5.0	1.7	6.4	-45.5	-4.1	-2.7	4.1
66	-56.2	-4.8	-38.4	0.3	5.9	11.2	-47.5	1.1	1.1	8.9
67	-54.0	-6.1	-37.9	-1.0	3.5	8.7	-45.9	-0.1	-0.8	6.6
68	-55.0	-10.2	-38.3	-3.9	2.6	7.6	-45.5	-3.1	-1.8	5.3
69	-56.3	-4.1	-39.1	0.6	5.8	11.4	-48.3	1.4	1.0	9.1
70	-54.7	-6.2	-38.4	-1.2	3.3	8.8	-46.7	-0.3	-0.7	6.8
71	-54.7	-9.8	-38.5	-3.7	2.5	7.7	-45.8	-3.0	-1.7	5.5
72	-55.7	-3.4	-38.6	1.3	6.4	12.0	-47.8	2.0	1.7	9.8
73	-54.0	-5.7	-38.0	-0.6	3.7	9.3	-46.4	0.0	-0.3	7.3
74	-54.7	-9.5	-38.5	-3.4	2.7	8.0	-45.9	-2.8	-1.5	5.8
75	-30.8	-14.8	-2.9	2.3	-2.0	2.0	-102.8	-34.7	-28.4	-12.7
76	-27.7	-9.9	-1.0	5.0	0.3	4.8	-100.2	-30.4	-26.2	-8.9
77	-28.8	-11.2	-3.3	2.6	-2.0	2.4	-99.2	-30.4	-27.8	-10.9
78	-29.2	-13.0	-2.0	3.3	-0.9	3.1	-101.2	-33.1	-27.0	-11.2
79	-27.2	-8.7	-0.7	5.8	0.8	5.5	-100.0	-29.0	-26.0	-7.8
80	-27.2	-9.5	-2.0	3.9	-0.6	3.7	-97.5	-28.8	-26.2	-9.3
81	-28.9	-12.1	-1.9	3.9	-0.8	3.6	-100.9	-32.1	-26.9	-10.4
82	-26.3	-7.7	0.1	6.7	1.6	6.3	-99.1	-28.0	-25.0	-6.7
83	-27.3	-9.4	-1.7	4.6	-0.2	4.2	-98.3	-29.1	-26.0	-8.7
84	-27.9	-11.1	-1.0	4.8	0.1	4.5	-99.9	-31.1	-25.9	-9.3
85	-22.0	-1.5	-14.8	0.9	8.0	8.7	-25.5	-0.1	2.4	6.0
86	-18.1	1.8	-11.2	4.0	11.0	11.8	-20.9	3.3	5.4	8.9
87	-10.2	4.9	-5.7	6.4	15.9	16.8	-13.0	4.9	10.9	13.9
88	-17.5	1.2	-10.7	3.6	11.0	11.6	-19.7	2.7	5.5	8.8
89	-21.0	-0.5	-14.2	1.6	8.3	9.2	-24.8	0.6	2.9	6.5
90	-17.5	3.2	-10.7	4.9	11.1	12.0	-19.9	4.5	5.6	9.3
91	-21.1	-0.4	-14.3	1.6	8.2	9.2	-24.9	0.6	2.7	6.5
92	-17.3	3.3	-10.5	5.0	11.2	12.1	-19.7	4.6	5.7	9.4
93	-17.1	2.8	-10.5	4.7	11.7	12.5	-20.2	4.1	6.2	9.8

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Table 10 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
94	-16.9	2.9	-10.3	4.8	11.9	12.6	-20.0	4.1	6.4	9.8
95	-17.7	3.9	-11.7	5.2	11.0	11.9	-21.7	4.5	5.3	9.3
96	-16.3	4.4	-9.5	6.1	12.1	13.1	-18.7	5.6	6.8	10.5
97	-17.5	4.4	-11.6	5.6	11.3	12.3	-21.6	5.1	5.5	9.7
98	-7.7	7.7	-3.9	8.2	17.0	18.0	-10.8	7.5	12.1	15.3
99	-15.0	4.7	-9.1	6.2	12.2	13.2	-18.4	5.3	6.8	10.5
100	-15.7	4.4	-9.4	6.1	13.0	13.9	-19.1	5.4	7.4	11.1
101	-10.7	6.5	-6.0	7.9	13.5	14.4	-14.0	6.6	8.4	11.9
102	-16.3	4.3	-9.5	6.1	12.3	13.2	-18.9	5.4	6.9	10.7
103	-16.6	5.8	-10.6	6.7	12.1	13.2	-20.5	6.4	6.4	10.7
104	-16.1	4.4	-9.3	6.2	12.5	13.3	-18.8	5.5	7.1	10.7
105	-14.5	4.2	-8.1	6.3	13.3	14.1	-17.2	5.2	8.0	11.4
106	-15.4	4.6	-9.1	6.3	13.3	14.0	-18.8	5.6	7.7	11.3
107	-25.6	2.1	-12.6	8.0	11.9	16.1	-53.5	0.8	2.7	11.7
108	-28.7	-7.7	-15.8	1.5	6.0	9.5	-54.7	-8.3	-2.4	4.9
109	-24.7	4.7	-11.9	10.2	13.2	18.0	-53.1	2.9	4.1	13.6
110	-24.0	4.3	-12.2	8.7	11.2	15.7	-50.0	2.6	2.4	11.5
111	-26.6	-3.8	-14.4	4.4	8.2	12.2	-53.8	-5.0	-0.2	7.7
112	-23.5	6.8	-10.7	12.0	14.7	19.4	-52.4	4.7	5.4	15.2
113	-23.3	4.9	-11.5	9.3	11.7	16.1	-49.5	3.1	3.1	12.2
114	-26.0	-2.0	-13.9	5.7	9.2	13.4	-53.6	-3.5	0.6	9.1
115	-22.9	7.3	-10.2	12.5	15.1	19.8	-52.0	5.1	5.9	15.7
116	-23.0	5.2	-11.3	9.6	12.1	16.5	-49.4	3.2	3.5	12.5
117	-25.8	-1.6	-13.7	6.0	9.3	13.7	-53.5	-3.1	0.8	9.5
118	-18.6	2.8	-13.1	6.4	14.0	19.0	-34.9	0.5	10.1	15.1
119	-14.5	6.9	-9.0	7.9	12.3	17.9	-30.0	2.4	10.0	14.4
120	-21.2	-2.0	-16.1	2.8	11.2	16.2	-37.1	-3.8	7.3	12.1
121	-16.4	6.5	-9.5	7.8	12.6	17.9	-31.7	2.9	9.8	14.5
122	-15.7	6.8	-10.8	9.7	16.1	21.8	-33.4	4.3	12.5	18.0
123	-15.5	8.1	-9.7	9.3	13.2	19.1	-31.2	3.2	11.0	15.7
124	-18.6	3.5	-13.2	6.6	14.4	19.6	-36.9	1.5	10.4	15.8
125	-15.0	10.5	-8.5	10.8	14.6	20.3	-30.0	6.3	11.9	16.9

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Table 10 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
126	-15.5	8.2	-9.2	8.9	13.1	18.8	-30.6	4.0	10.6	15.3
127	-16.8	7.7	-10.5	10.5	17.2	23.0	-34.4	5.2	13.5	19.1
128	-43.3	-0.5	-21.8	5.2	5.1	10.6	-49.8	-1.3	0.4	8.1
129	-43.4	-4.3	-22.7	2.0	2.1	7.2	-49.0	-4.5	-2.2	4.7
130	-42.0	0.8	-21.4	6.0	5.6	11.6	-49.0	-0.3	1.1	9.1
131	-41.5	-0.3	-22.2	4.8	4.1	9.8	-48.1	-1.1	-0.1	7.5
132	-42.3	-2.9	-22.1	3.1	3.0	8.5	-48.2	-3.4	-1.1	6.0
133	-42.3	2.2	-21.6	7.0	6.2	12.6	-49.8	0.8	1.6	10.1
134	-41.5	-0.2	-22.2	4.9	3.9	9.9	-48.1	-1.1	0.0	7.7
135	-41.9	-2.2	-22.1	3.7	3.1	9.1	-48.4	-2.8	-1.0	6.6
136	-41.8	2.7	-21.0	7.5	6.7	13.1	-49.4	1.3	2.2	10.6
137	-40.9	0.4	-21.8	5.4	4.3	10.4	-47.7	-0.6	0.5	8.3
138	-41.5	-1.4	-21.8	4.2	3.5	9.7	-48.1	-2.2	-0.5	7.3
139	-16.3	8.1	-4.7	12.8	15.1	19.1	-41.7	8.4	8.6	16.6
140	-14.3	12.6	-2.9	16.8	17.9	22.5	-40.5	12.2	11.3	20.2
141	-14.3	10.6	-3.9	13.9	14.8	18.8	-38.6	10.2	8.7	16.7
142	-53.5	-21.3	-41.0	-12.2	3.1	5.2	-55.9	-18.5	-9.2	-1.5
143	-50.9	-21.8	-39.4	-12.5	2.7	4.8	-51.8	-17.5	-9.6	-2.3
144	-50.0	-22.1	-39.2	-12.5	2.8	5.0	-51.1	-17.6	-9.1	-2.0
145	-54.3	-23.7	-41.5	-14.2	1.6	3.6	-56.2	-20.7	-9.9	-2.7
146	-51.8	-24.1	-40.0	-14.6	1.2	3.1	-52.6	-19.8	-10.4	-3.7
147	-52.5	-25.0	-40.2	-14.5	1.4	3.5	-52.7	-19.8	-10.0	-3.2
148	-26.7	-17.3	-2.0	1.7	-3.0	0.1	-82.1	-38.8	-26.6	-15.3
149	-34.9	-16.4	-10.3	-4.3	-11.4	-6.8	-108.3	-44.6	-37.7	-20.0
150	-48.4	-20.4	-38.2	-12.0	2.2	5.2	-52.7	-16.6	-8.9	-1.9
151	-25.5	9.5	-25.4	9.6	13.8	19.8	-37.2	7.0	5.1	15.3
152	-21.7	-4.6	-12.5	3.4	2.9	6.9	-41.1	-6.8	-2.2	3.3
153	-9.0	14.1	-5.6	13.3	10.8	16.1	-32.7	4.5	6.2	13.0
154	-28.0	-10.7	-12.4	2.0	5.5	8.7	-45.5	-10.1	-2.9	3.4
155	-21.6	1.4	-11.7	7.5	9.3	13.5	-39.3	-0.6	3.7	9.7
156	-11.9	11.8	-2.3	14.8	13.4	18.0	-36.2	7.8	6.7	14.7
157	-18.1	7.2	-10.6	9.4	12.2	17.2	-37.5	2.5	6.9	13.3

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Table 10 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
158	-26.4	-16.9	-1.9	1.8	-2.2	0.9	-81.9	-38.3	-26.0	-14.6
159	-26.7	-17.1	-2.2	1.6	-2.5	0.5	-82.4	-38.8	-26.4	-15.0
160	-47.7	-19.8	-37.9	-11.7	2.9	5.9	-52.4	-16.3	-8.3	-1.3
161	-22.0	13.6	-22.5	13.3	17.0	22.8	-32.1	12.8	8.1	18.6
162	-25.2	-10.3	-14.6	0.7	2.2	5.5	-40.4	-12.9	-3.8	0.8
163	-9.5	15.0	-4.3	15.7	13.5	19.4	-33.9	8.4	9.1	16.4
164	-30.6	-13.0	-16.3	-0.8	3.6	6.3	-44.7	-12.3	-4.7	1.0
165	-26.0	-10.6	-14.3	0.8	3.2	6.4	-41.4	-11.7	-3.3	1.4
166	-17.4	10.5	-4.9	14.1	15.3	20.3	-43.2	6.9	7.3	16.5
167	-26.4	-1.5	-14.7	5.7	8.6	13.1	-44.9	-5.3	2.6	8.7
168	-26.2	-16.7	-1.6	2.1	-1.8	1.4	-81.8	-38.1	-25.5	-14.1
169	-26.4	-16.6	-1.7	2.1	-1.9	1.2	-82.6	-38.2	-25.8	-14.3
170	-48.5	-20.9	-38.4	-12.7	1.0	4.1	-52.4	-17.1	-9.9	-2.9
171	-49.4	-13.8	-42.6	-8.3	2.7	7.1	-58.4	-13.2	-9.0	0.8
172	-21.6	-4.6	-9.7	6.8	5.2	9.5	-42.6	-7.2	-0.6	5.1
173	-17.3	10.0	-9.5	13.1	11.4	17.1	-42.9	5.7	5.9	14.0
174	-26.7	-11.7	-15.0	0.1	3.0	6.2	-41.7	-12.4	-3.4	1.2
175	-25.6	4.8	-10.3	11.1	13.0	18.1	-51.5	2.8	4.2	13.9
176	-23.1	4.0	-10.3	9.7	12.2	17.8	-45.4	3.9	5.7	14.4
177	-25.7	-16.2	-1.2	2.5	-1.4	1.8	-81.0	-37.6	-25.0	-13.6
178	-29.2	-5.8	-5.0	2.4	-4.8	0.6	-106.9	-28.6	-31.5	-10.3
179	-48.2	-20.6	-38.2	-12.5	1.3	4.5	-52.1	-16.9	-9.5	-2.6
180	-48.4	-20.4	-38.6	-12.4	2.3	5.4	-53.1	-17.1	-8.9	-1.8
181	-22.2	1.3	-11.1	9.9	7.8	13.4	-46.5	-2.1	2.4	9.7
182	-21.2	3.4	-10.5	11.2	8.9	14.7	-46.0	-0.1	3.7	11.2
183	-29.3	-11.8	-15.1	0.3	4.7	7.4	-43.3	-11.4	-3.5	2.2
184	-26.1	-11.2	-14.4	0.5	3.4	6.6	-41.0	-11.8	-2.9	1.7
185	-25.2	1.6	-10.2	10.1	11.8	16.6	-50.3	0.4	3.2	12.3
186	-25.6	-3.2	-12.5	6.1	8.8	13.6	-45.9	-2.3	2.1	9.9
187	-29.2	-11.2	-1.8	4.1	-1.5	3.0	-99.6	-35.1	-28.7	-11.4
188	-49.1	-10.2	-41.5	-5.8	6.3	10.6	-59.2	-11.9	-6.0	3.7
189	-24.8	1.3	-13.0	10.3	8.1	13.6	-51.0	-3.8	1.5	9.1

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Table 10 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
190	-29.6	-0.9	-13.8	8.0	11.0	15.4	-56.6	-3.8	1.1	10.3
191	-29.4	-5.3	-15.8	4.6	8.1	12.6	-51.9	-6.8	0.0	7.9
192	-28.2	-7.3	-0.1	6.7	0.6	5.6	-101.8	-29.8	-27.2	-8.0
193	-50.5	-10.3	-43.3	-5.8	6.0	10.7	-61.3	-11.6	-6.4	3.9
194	-25.0	2.8	-12.9	11.9	8.9	15.1	-52.3	-2.4	2.6	10.6
195	-30.8	-0.3	-13.5	9.0	11.4	16.3	-59.1	-3.2	1.4	11.2
196	-30.9	-5.2	-16.0	5.3	8.2	13.1	-54.6	-6.1	0.3	8.6
197	-25.0	-4.0	1.9	8.5	3.4	8.3	-101.0	-21.4	-23.9	-4.4
198	-42.0	3.1	-38.4	2.2	11.3	16.0	-52.7	2.1	-0.2	10.9
199	-17.3	13.3	-10.5	15.8	14.3	20.5	-45.2	8.9	8.6	17.2
200	-19.9	15.2	-7.8	17.3	18.4	23.7	-49.8	12.8	9.2	19.8
201	-24.7	10.8	-13.9	13.9	16.1	21.8	-45.8	8.2	9.6	17.9
202	-28.2	-12.4	-2.7	3.0	-2.7	1.5	-90.6	-36.9	-29.0	-13.3
203	-53.9	-17.9	-45.3	-11.7	1.9	5.8	-61.3	-16.7	-10.5	-1.5
204	-27.8	-6.9	-16.5	3.1	3.4	7.8	-48.1	-11.5	-3.4	2.8
205	-31.5	-8.6	-15.7	2.6	6.4	10.0	-53.7	-10.2	-3.2	4.4
206	-32.7	-14.0	-18.3	-1.7	3.1	6.7	-51.7	-14.0	-4.6	1.8
207	-28.8	-10.1	-2.1	3.7	-1.8	2.6	-99.5	-27.4	-27.8	-10.6
208	-40.9	-0.6	-36.8	-1.0	7.9	12.1	-48.2	0.2	-2.9	6.8
209	-20.7	4.5	-12.0	9.7	8.6	13.6	-45.5	2.1	3.3	10.3
210	-24.5	3.6	-11.9	8.6	10.9	15.1	-50.2	3.0	2.6	11.3
211	-18.4	5.1	-9.7	8.6	10.9	15.2	-37.9	6.1	4.7	12.2
212	-29.2	-15.5	-4.1	0.9	-4.2	-0.7	-90.5	-39.8	-30.2	-16.3
213	-52.8	-20.9	-44.2	-13.6	1.1	4.6	-59.5	-18.9	-11.0	-2.9
214	-27.5	-5.5	-13.8	6.0	4.9	9.8	-50.8	-8.2	-1.5	5.1
215	-33.6	-13.7	-16.6	-0.3	4.6	8.1	-55.1	-14.1	-4.3	2.4
216	-33.4	-12.4	-18.8	0.0	3.3	7.0	-51.7	-14.4	-3.8	1.6
217	-29.5	-13.6	-2.6	3.0	-3.0	1.0	-96.3	-36.6	-29.6	-14.2
218	-55.2	-19.1	-46.7	-12.2	1.5	5.6	-63.0	-17.3	-11.1	-1.8
219	-26.6	-1.8	-13.6	8.5	6.4	11.7	-51.4	-4.8	-0.1	7.1
220	-32.0	-7.1	-16.5	4.2	7.3	11.0	-53.6	-9.3	-2.2	5.4
221	-35.9	-9.0	-19.9	2.6	6.3	10.8	-53.5	-10.5	-0.9	5.5

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Table 10 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
222	-24.4	-1.6	1.4	8.1	3.1	7.9	-97.8	-14.6	-24.3	-4.2
223	-53.5	-17.6	-45.5	-11.3	2.6	6.8	-62.0	-16.5	-9.8	-0.6
224	-21.1	7.4	-13.3	10.5	10.7	16.3	-47.6	5.0	4.9	13.1
225	-30.1	-8.2	-15.4	2.9	7.1	10.6	-50.0	-10.6	-2.2	4.8
226	-31.1	-8.3	-16.8	2.9	7.0	11.4	-53.3	-8.4	-1.2	6.7
227	-30.8	-16.9	-4.4	0.3	-5.6	-2.2	-95.9	-39.6	-31.4	-17.6
228	-50.1	-23.0	-41.9	-15.6	-1.1	1.8	-54.8	-19.8	-11.8	-5.0
229	-29.9	-9.5	-18.0	0.7	1.1	4.7	-49.9	-12.5	-6.0	0.1
230	-30.9	-12.4	-18.6	-2.6	1.5	4.0	-44.2	-13.3	-6.6	-0.7
231	-31.4	-17.5	-15.3	-3.4	0.3	3.6	-46.6	-15.2	-6.2	-1.0
232	-29.1	-14.8	-2.9	1.9	-3.7	-0.2	-95.4	-37.2	-29.5	-15.4
233	-51.8	-17.2	-43.1	-10.6	2.9	6.8	-58.9	-15.0	-8.6	-0.1
234	-25.0	-1.4	-12.1	9.2	6.7	11.6	-49.7	-3.8	0.5	7.3
235	-33.9	-10.2	-18.9	1.1	6.4	9.6	-54.6	-11.3	-2.9	4.3
236	-30.9	-11.8	-17.9	-0.1	2.1	5.8	-47.1	-14.2	-4.3	0.5
MAXD	-57.0	34.5	-46.7	33.7	32.9	43.7	-108.3	-44.6	-37.7	40.5
MD	-26.5	0.8	-13.1	7.0	9.1	13.5	-48.6	-3.4	-0.5	8.1
MAD	26.5	10.9	13.8	9.3	9.7	13.6	48.6	13.3	11.3	12.0

Table 11: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the TPSS functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-20.5	23.9	-8.1	24.0	21.5	28.2	-15.9	24.1	20.4	27.4
2	-25.0	25.0	-10.5	25.2	22.3	29.8	-18.8	26.3	21.1	28.8
3	-22.2	22.3	-9.7	22.5	20.7	27.6	-17.4	22.9	19.8	26.7
4	-25.5	26.2	-10.7	26.4	23.4	31.1	-19.3	27.5	22.2	30.2
5	-23.6	24.7	-10.3	24.6	22.4	29.8	-18.5	25.2	21.1	28.8
6	-25.3	26.8	-10.7	27.0	23.9	31.8	-19.5	28.0	22.6	30.8
7	-23.1	25.1	-9.9	24.9	23.0	30.2	-18.3	25.5	21.7	29.2

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Table 11 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
8	-11.1	6.9	10.8	16.3	7.4	12.6	-78.6	-12.1	-12.8	3.6
9	-10.2	9.0	12.2	18.1	9.2	14.7	-79.7	-8.3	-11.4	5.9
10	-17.3	-4.5	8.8	13.0	6.2	10.3	-76.5	-21.0	-14.3	-1.3
11	-15.5	-2.1	9.5	13.9	7.5	11.6	-76.2	-17.6	-13.1	0.3
12	-10.5	7.7	11.3	16.9	8.2	13.6	-78.5	-11.4	-12.0	4.6
13	-8.5	11.0	13.9	20.0	10.9	16.6	-78.3	-6.6	-9.7	7.9
14	-16.8	-4.0	9.1	13.5	6.5	10.7	-76.3	-20.6	-13.8	-0.8
15	-13.7	1.9	11.6	16.5	9.7	14.3	-76.9	-11.9	-11.3	3.7
16	-7.9	12.0	13.9	19.8	11.2	16.9	-77.7	-6.6	-9.5	8.2
17	-7.9	11.7	14.5	20.7	11.6	17.2	-78.0	-6.0	-9.1	8.7
18	-16.2	-2.8	9.8	14.6	7.3	11.7	-75.8	-19.3	-13.2	0.5
19	-13.0	3.3	12.3	17.5	10.3	15.1	-76.8	-10.1	-10.7	5.0
20	-7.4	12.6	14.3	20.4	11.7	17.4	-77.6	-6.2	-9.0	8.8
21	10.8	29.3	15.2	29.8	31.6	34.0	8.2	29.6	29.3	32.8
22	-5.3	7.7	1.8	13.6	18.2	19.6	-5.0	11.9	15.5	17.9
23	12.5	31.6	16.9	32.2	34.4	36.8	10.1	31.5	31.6	35.3
24	10.0	29.1	14.7	29.9	31.7	33.8	7.4	29.2	29.0	32.6
25	10.0	30.1	14.8	30.6	32.4	34.8	7.2	30.0	29.7	33.5
26	10.0	28.3	14.5	28.9	31.0	33.2	7.4	28.2	28.6	32.0
27	10.7	29.2	15.0	29.5	31.7	34.1	7.8	29.0	29.3	32.8
28	12.7	31.4	17.0	31.5	33.3	35.7	10.2	31.3	31.0	34.6
29	13.0	32.3	17.3	32.8	35.0	37.4	10.6	32.1	32.3	36.0
30	12.1	33.5	17.1	33.5	35.1	37.6	9.8	33.1	32.7	36.6
31	2.1	18.6	8.7	22.6	26.9	28.6	2.0	22.2	23.7	26.8
32	11.9	33.7	16.9	34.0	35.5	38.0	9.2	33.7	32.9	37.0
33	13.6	32.3	17.7	32.4	34.1	36.9	10.8	31.8	32.0	35.7
34	13.6	32.3	17.7	32.3	34.1	36.5	10.9	31.9	31.8	35.4
35	14.5	34.0	18.8	34.5	36.6	39.1	11.8	33.7	33.9	37.7
36	14.4	36.7	19.4	36.9	38.3	40.8	11.7	36.7	35.7	39.9
37	15.2	33.9	19.2	33.9	35.7	38.4	12.4	33.2	33.6	37.3
38	3.2	32.1	10.9	30.4	30.4	36.4	-20.8	27.7	25.7	34.2
39	2.6	32.9	12.3	32.6	30.8	37.3	-24.4	29.9	25.8	35.1

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Table 11 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
40	3.2	32.4	11.2	31.0	31.1	37.4	-21.4	27.7	26.5	35.3
41	2.8	35.0	13.1	34.8	32.9	39.5	-24.9	32.1	27.6	37.5
42	3.9	33.2	11.8	31.7	31.9	38.3	-21.2	28.1	27.4	36.2
43	3.6	36.2	13.7	36.0	33.8	40.6	-24.6	33.1	28.6	38.7
44	3.9	33.3	11.6	31.7	31.9	38.4	-21.3	28.1	27.5	36.3
45	10.5	38.3	17.7	40.8	40.4	49.6	-4.6	35.3	41.3	47.2
46	-10.4	3.3	-5.0	10.3	17.0	21.6	-21.6	2.5	15.2	18.8
47	5.9	28.2	13.0	29.7	30.5	37.8	-5.0	25.3	30.9	35.5
48	11.1	43.2	19.4	46.3	44.5	55.3	-4.4	40.6	46.2	52.7
49	-9.3	12.7	-1.1	19.3	24.2	30.4	-19.7	12.2	23.1	27.6
50	4.6	29.4	13.2	31.2	31.9	39.9	-7.6	27.0	32.5	37.5
51	11.0	38.5	19.1	40.9	41.4	50.4	-2.9	35.7	42.5	47.9
52	11.9	45.8	20.7	48.9	46.5	57.9	-3.3	43.4	48.4	55.4
53	-7.7	16.4	1.2	22.6	27.2	34.1	-18.5	16.2	26.2	31.2
54	4.7	30.9	14.0	32.7	33.2	41.5	-7.3	28.5	33.8	39.2
55	12.4	40.2	20.4	42.3	41.9	51.0	-0.8	36.8	43.3	48.6
56	-11.0	28.2	4.7	29.3	22.6	30.1	-18.3	24.1	21.9	29.1
57	-14.6	31.1	3.3	32.4	24.5	33.0	-21.5	27.5	23.9	31.8
58	-11.1	28.2	4.5	29.2	22.6	30.4	-18.3	24.0	22.1	29.4
59	-11.2	32.4	4.5	32.3	24.3	32.9	-20.6	27.3	23.9	31.9
60	-10.9	28.4	4.5	29.2	22.8	30.7	-18.4	23.9	22.3	29.6
61	-14.5	34.2	3.9	35.3	26.7	35.9	-21.9	30.4	26.2	34.9
62	-10.7	28.5	4.7	29.4	22.9	30.9	-18.3	24.0	22.6	29.9
63	13.4	42.9	21.4	41.6	37.9	44.4	-12.0	41.7	35.3	44.1
64	-41.3	3.6	-24.0	9.3	13.7	18.9	-31.6	10.4	11.0	17.4
65	-40.8	-1.7	-24.7	4.7	10.0	14.8	-30.7	5.9	7.6	13.3
66	-40.5	5.1	-23.6	10.4	14.6	20.1	-31.5	11.4	12.0	18.6
67	-38.7	3.8	-23.3	9.2	12.3	17.7	-30.2	10.1	10.0	16.3
68	-40.2	-0.5	-24.2	6.0	11.0	16.2	-30.6	6.9	8.7	14.7
69	-40.5	5.8	-24.1	10.9	14.7	20.5	-32.2	11.8	12.0	18.9
70	-39.3	3.6	-23.7	9.1	12.2	17.8	-31.0	9.9	10.1	16.5
71	-39.9	0.0	-24.3	6.4	11.1	16.5	-30.8	7.1	8.9	15.0

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Table 11 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
72	-39.8	6.6	-23.5	11.6	15.4	21.2	-31.6	12.4	12.8	19.7
73	-38.7	4.2	-23.3	9.6	12.6	18.3	-30.7	10.2	10.6	17.0
74	-39.8	0.3	-24.2	6.7	11.3	16.9	-30.8	7.3	9.2	15.3
75	-18.6	-5.3	8.0	12.3	5.8	9.8	-83.4	-22.8	-15.0	-2.3
76	-16.0	-1.1	9.7	14.6	7.9	12.4	-81.4	-19.2	-13.0	1.2
77	-16.5	-1.8	7.8	12.6	6.3	10.7	-79.7	-18.6	-14.0	-0.3
78	-17.5	-4.1	8.7	13.0	6.6	10.7	-82.3	-21.7	-14.0	-1.1
79	-15.4	0.2	10.1	15.5	8.5	13.2	-81.1	-17.9	-12.6	2.3
80	-15.1	-0.2	9.1	13.9	7.6	12.0	-78.2	-17.1	-12.5	1.3
81	-17.2	-3.2	8.8	13.6	6.9	11.2	-82.0	-20.8	-13.8	-0.3
82	-14.5	1.1	11.0	16.3	9.4	14.1	-80.2	-16.9	-11.7	3.3
83	-15.0	-0.1	9.5	14.6	8.1	12.5	-79.0	-17.5	-12.2	1.9
84	-16.1	-2.2	9.7	14.5	7.8	12.2	-81.0	-19.9	-12.7	0.8
85	-8.5	8.6	-1.6	11.7	17.3	18.1	-10.0	11.2	13.2	16.1
86	-4.2	12.3	2.2	15.0	20.7	21.5	-5.1	15.0	16.6	19.5
87	1.1	13.6	5.4	15.8	24.1	25.0	-0.3	14.8	20.3	22.9
88	-4.3	11.2	2.2	14.2	20.3	21.1	-4.7	13.9	16.3	18.9
89	-7.8	9.4	-1.1	12.2	17.6	18.5	-9.5	11.6	13.5	16.6
90	-3.5	13.7	3.0	16.2	21.2	22.1	-4.2	16.1	17.1	20.1
91	-7.9	9.4	-1.3	12.2	17.5	18.5	-9.7	11.6	13.4	16.6
92	-3.3	13.8	3.1	16.3	21.3	22.2	-4.0	16.2	17.2	20.3
93	-3.6	13.0	2.6	15.5	21.2	22.1	-4.7	15.4	17.1	20.1
94	-3.4	13.0	2.8	15.6	21.4	22.2	-4.5	15.5	17.4	20.2
95	-3.8	14.2	2.1	16.4	21.1	22.0	-5.9	15.9	16.7	20.0
96	-2.4	14.9	4.1	17.4	22.3	23.3	-3.1	17.3	18.3	21.4
97	-3.6	14.7	2.3	16.8	21.4	22.4	-5.8	16.5	17.1	20.4
98	3.2	16.0	6.9	17.4	25.1	26.1	1.5	16.9	21.3	23.9
99	-1.8	14.6	3.9	16.9	21.7	22.7	-3.4	16.3	17.7	20.7
100	-2.2	14.5	3.8	16.9	22.6	23.5	-3.6	16.8	18.4	21.5
101	0.9	15.4	5.6	17.5	22.0	22.9	-0.8	16.5	18.1	21.1
102	-2.4	14.8	4.1	17.4	22.4	23.4	-3.3	17.0	18.4	21.5
103	-2.6	16.1	3.3	18.0	22.3	23.4	-4.6	17.9	18.0	21.5

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Table 11 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
104	-2.2	14.8	4.3	17.4	22.6	23.4	-3.1	17.0	18.5	21.5
105	-1.8	13.7	4.5	16.6	22.5	23.3	-2.7	16.0	18.5	21.3
106	-1.9	14.6	4.1	17.1	22.9	23.6	-3.4	16.9	18.7	21.6
107	-12.1	12.0	-0.3	17.9	20.8	25.3	-36.0	11.8	14.3	21.9
108	-15.9	2.4	-4.0	11.2	14.7	18.4	-38.4	2.5	8.7	14.9
109	-11.3	14.3	0.4	19.9	22.1	27.0	-35.8	13.6	15.6	23.8
110	-10.8	13.9	-0.1	18.4	20.0	24.6	-33.3	13.2	13.7	21.5
111	-14.1	5.9	-2.7	13.9	16.7	20.9	-37.7	5.5	10.8	17.6
112	-10.1	16.4	1.6	21.7	23.6	28.5	-35.2	15.3	17.0	25.3
113	-10.3	14.3	0.5	18.9	20.4	25.0	-33.0	13.5	14.3	22.0
114	-13.3	7.6	-1.9	15.4	18.0	22.4	-37.3	7.1	11.8	19.1
115	-9.6	16.8	2.1	22.2	24.0	28.9	-34.7	15.7	17.5	25.8
116	-9.9	14.6	0.7	19.2	20.9	25.4	-32.9	13.6	14.7	22.4
117	-13.0	8.1	-1.7	15.7	18.2	22.8	-37.1	7.4	12.1	19.5
118	-4.9	13.6	0.5	17.9	23.7	29.0	-17.6	12.6	21.8	26.0
119	-1.6	16.4	3.4	17.9	21.0	26.8	-13.9	13.3	20.4	24.0
120	-7.3	9.3	-2.3	14.6	21.2	26.3	-19.6	8.6	19.2	23.2
121	-2.8	16.3	3.4	18.2	21.6	27.2	-14.8	14.1	20.6	24.5
122	-1.9	17.5	3.0	21.2	25.9	31.9	-15.9	16.3	24.3	28.9
123	-1.9	18.0	3.5	19.9	22.3	28.5	-14.4	14.5	21.9	25.8
124	-3.9	14.9	1.3	18.9	24.8	30.3	-18.5	14.2	22.8	27.2
125	-0.1	21.3	5.8	22.4	24.7	30.7	-11.8	18.5	23.9	28.0
126	-1.6	18.2	4.1	19.6	22.4	28.4	-13.5	15.5	21.8	25.7
127	-1.8	19.1	4.1	22.8	27.8	33.9	-15.6	18.0	26.1	30.8
128	-28.0	9.3	-7.9	15.1	13.6	19.4	-32.3	9.4	11.4	17.8
129	-28.9	5.1	-9.5	11.5	10.1	15.5	-32.4	5.8	8.2	14.0
130	-26.8	10.5	-7.3	16.1	14.3	20.6	-31.4	10.4	12.2	18.9
131	-26.6	9.4	-8.2	14.8	12.8	18.8	-30.9	9.5	10.9	17.4
132	-27.9	6.4	-8.8	12.6	11.2	17.0	-31.7	6.9	9.4	15.4
133	-26.9	12.0	-7.3	17.2	15.0	21.7	-32.0	11.6	12.8	20.0
134	-26.6	9.3	-8.2	14.8	12.5	18.7	-31.0	9.4	10.9	17.4
135	-27.3	7.3	-8.6	13.3	11.4	17.7	-31.6	7.6	9.7	16.1

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Table 11 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
136	-26.3	12.6	-6.6	17.8	15.5	22.3	-31.5	12.1	13.5	20.7
137	-26.1	10.0	-7.8	15.4	13.0	19.4	-30.6	9.9	11.4	18.0
138	-26.9	8.0	-8.2	14.0	11.9	18.3	-31.4	8.2	10.2	16.8
139	-3.7	17.4	6.8	22.3	23.9	28.2	-25.5	18.6	19.6	26.5
140	-1.8	21.6	8.6	26.2	26.7	31.5	-24.5	22.1	22.3	29.9
141	-2.2	19.3	7.2	23.1	23.4	27.6	-23.2	19.8	19.3	26.1
142	-39.9	-11.6	-28.0	-2.4	10.9	13.1	-41.2	-8.0	1.0	7.7
143	-38.2	-12.5	-27.0	-3.1	10.1	12.3	-38.2	-7.7	0.1	6.5
144	-37.3	-12.8	-27.1	-3.3	10.0	12.3	-37.7	-7.8	0.4	6.6
145	-40.1	-13.3	-27.7	-3.7	9.8	12.0	-40.8	-9.4	0.8	7.0
146	-38.3	-14.1	-26.8	-4.4	9.1	11.1	-38.1	-9.1	-0.2	5.6
147	-38.9	-14.8	-27.2	-4.6	9.0	11.2	-38.3	-9.2	0.1	5.9
148	-14.5	-6.5	8.3	11.4	5.0	8.1	-64.7	-26.2	-13.9	-4.7
149	-21.5	-5.8	1.5	6.4	-2.1	2.6	-88.5	-31.8	-22.9	-8.5
150	-35.4	-11.1	-25.8	-3.1	8.7	11.8	-37.9	-6.8	0.5	6.3
151	-11.9	18.9	-11.5	19.4	21.7	27.9	-21.7	17.1	16.5	25.0
152	-11.1	3.6	-2.6	11.5	9.5	13.6	-27.2	2.5	6.9	11.4
153	2.5	22.4	5.4	22.2	18.6	24.1	-18.3	14.0	16.3	21.9
154	-16.9	-1.8	-2.9	9.9	12.4	15.7	-32.2	-0.8	6.1	11.4
155	-9.4	10.5	-0.2	16.8	17.0	21.5	-24.0	9.7	13.7	18.8
156	-1.6	19.3	7.0	22.2	20.0	24.8	-23.2	16.0	15.7	22.5
157	-5.1	16.7	1.7	19.2	20.6	25.9	-21.5	13.3	17.6	23.0
158	-14.3	-6.2	8.4	11.5	5.7	8.9	-64.6	-25.9	-13.3	-4.1
159	-14.5	-6.3	8.1	11.2	5.4	8.6	-65.0	-26.3	-13.6	-4.4
160	-34.9	-10.7	-25.5	-2.8	9.4	12.4	-37.7	-6.6	1.1	6.9
161	-8.4	23.1	-8.4	23.1	25.1	31.0	-16.4	23.0	19.5	28.3
162	-14.4	-1.7	-4.6	9.0	8.8	12.3	-26.8	-3.1	5.0	8.8
163	1.6	22.7	6.3	23.9	20.5	26.6	-19.5	17.5	19.0	25.0
164	-19.6	-4.3	-6.8	7.1	10.5	13.3	-31.4	-3.1	4.2	9.0
165	-14.3	-1.1	-3.5	9.9	10.7	14.1	-26.8	-1.1	6.3	10.2
166	-5.3	19.1	5.8	22.5	22.8	28.1	-28.2	16.2	17.6	25.4
167	-12.9	8.4	-2.2	15.8	16.8	21.6	-28.4	5.8	13.3	18.4

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Table 11 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
168	-14.1	-6.0	8.6	11.7	6.1	9.3	-64.6	-25.7	-12.9	-3.6
169	-14.2	-5.9	8.5	11.7	6.0	9.2	-65.2	-25.8	-13.1	-3.8
170	-35.8	-11.8	-26.2	-3.8	7.6	10.8	-37.9	-7.4	-0.5	5.3
171	-34.4	-3.3	-27.8	2.2	10.8	15.4	-41.3	-2.0	2.4	10.6
172	-10.3	4.4	0.8	15.5	12.1	16.6	-27.9	2.9	9.0	13.6
173	-4.0	19.5	3.2	23.1	20.0	25.9	-25.6	16.5	17.3	24.0
174	-15.3	-2.4	-4.4	9.0	10.3	13.7	-27.5	-2.0	6.0	9.8
175	-11.3	15.2	2.3	21.2	22.0	27.3	-34.0	13.9	15.9	24.1
176	-8.2	15.1	3.3	20.9	21.7	27.5	-27.3	15.8	17.9	25.2
177	-13.6	-5.5	9.0	12.1	6.6	9.8	-63.8	-25.3	-12.4	-3.1
178	-15.8	3.9	6.9	12.9	4.5	9.9	-86.4	-16.7	-16.5	0.8
179	-35.5	-11.5	-25.9	-3.6	7.9	11.1	-37.6	-7.2	-0.2	5.6
180	-35.6	-11.3	-26.2	-3.5	8.8	12.0	-38.5	-7.4	0.5	6.3
181	-8.7	11.4	1.6	20.1	16.3	22.1	-29.1	9.3	13.8	19.7
182	-7.6	13.6	2.4	21.6	17.5	23.6	-28.4	11.4	15.3	21.5
183	-18.4	-3.3	-5.7	8.1	11.6	14.4	-30.2	-2.3	5.3	10.0
184	-14.8	-2.0	-4.0	9.4	10.7	14.1	-26.9	-1.6	6.4	10.2
185	-11.7	11.7	1.7	19.7	20.5	25.5	-33.6	11.1	14.4	22.1
186	-11.7	7.6	0.4	16.8	17.7	22.7	-28.8	9.3	13.6	20.1
187	-13.9	1.4	11.6	16.5	9.1	13.6	-77.6	-20.2	-12.3	1.8
188	-33.3	0.7	-25.8	5.4	15.1	19.6	-41.0	0.1	6.2	14.3
189	-9.8	12.6	1.0	21.6	17.7	23.4	-32.0	9.1	14.2	20.4
190	-14.2	10.9	-0.1	19.4	21.4	25.9	-37.8	9.0	14.0	21.9
191	-14.0	6.9	-1.5	16.7	18.3	23.0	-33.0	6.5	12.9	19.5
192	-12.4	5.2	13.7	19.2	11.6	16.6	-79.1	-15.0	-10.3	5.4
193	-34.1	0.8	-26.9	5.7	15.3	20.1	-42.5	0.7	6.3	15.0
194	-9.3	14.6	1.8	23.8	19.2	25.5	-32.3	11.0	15.9	22.5
195	-15.2	11.4	0.3	20.3	21.8	26.7	-40.0	9.4	14.5	22.7
196	-15.0	7.3	-1.2	17.7	18.8	23.9	-35.1	7.5	13.6	20.5
197	-13.1	4.4	12.5	17.9	11.0	15.9	-81.5	-10.6	-10.6	5.4
198	-28.2	11.1	-24.2	11.3	18.6	23.5	-36.0	11.6	10.7	20.0
199	-3.2	22.8	3.0	26.1	23.5	29.8	-26.5	20.2	20.8	27.9

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Table 11 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
200	-6.0	24.6	4.8	27.0	27.5	32.9	-31.9	23.4	21.2	30.3
201	-9.1	21.4	0.9	25.2	26.1	32.1	-26.5	20.3	22.3	29.2
202	-13.2	0.2	10.9	15.5	8.2	12.4	-69.7	-22.0	-12.5	0.3
203	-38.4	-7.0	-29.7	-0.4	10.6	14.6	-43.5	-4.8	1.6	9.2
204	-14.5	3.5	-3.7	13.8	12.1	16.7	-31.3	0.4	8.1	13.2
205	-17.9	2.1	-3.3	13.0	15.5	19.3	-37.1	1.4	8.4	14.9
206	-18.3	-2.1	-4.8	10.0	12.8	16.5	-34.3	-1.1	7.5	12.8
207	-16.2	-0.7	9.2	13.9	6.6	11.0	-79.7	-15.5	-13.7	0.3
208	-27.9	7.3	-23.4	7.8	14.9	19.2	-32.6	9.5	7.4	15.6
209	-7.3	14.2	1.0	20.0	17.4	22.6	-27.8	13.3	15.0	20.8
210	-11.6	12.9	-0.1	18.0	19.4	23.8	-33.8	13.2	13.7	21.0
211	-6.4	13.9	1.8	17.9	18.9	23.3	-22.5	16.1	15.0	21.3
212	-14.8	-3.2	8.8	12.9	6.1	9.7	-70.3	-25.3	-14.5	-3.2
213	-38.6	-10.6	-30.0	-3.2	8.7	12.3	-43.2	-7.7	-0.1	6.7
214	-14.0	5.0	-1.1	16.4	13.3	18.3	-33.2	3.8	10.0	15.4
215	-21.3	-3.8	-5.8	8.9	12.3	15.9	-39.8	-3.5	5.9	11.6
216	-19.7	-1.5	-5.9	10.8	11.9	15.8	-34.7	-2.1	7.4	11.9
217	-14.8	-1.3	10.4	15.0	7.4	11.4	-75.3	-22.3	-13.7	-1.1
218	-40.3	-8.6	-31.7	-1.5	9.5	13.7	-45.8	-5.9	0.3	8.1
219	-12.6	8.7	-0.4	19.2	15.2	20.6	-33.1	7.3	11.8	17.7
220	-18.2	3.4	-4.1	14.5	16.3	20.1	-36.8	2.2	9.4	15.8
221	-20.2	3.0	-5.3	14.7	16.2	20.9	-34.6	2.8	11.6	16.9
222	-12.2	6.9	12.6	17.9	11.3	16.0	-77.9	-3.7	-10.5	6.0
223	-39.0	-7.5	-30.8	-0.8	10.4	14.7	-45.1	-5.4	1.4	9.2
224	-6.7	17.7	0.9	21.7	20.5	26.2	-28.4	16.9	17.6	24.4
225	-18.1	1.1	-4.6	11.9	14.9	18.5	-35.4	-0.5	8.0	14.0
226	-16.9	2.9	-3.4	14.3	16.4	21.0	-35.5	4.0	11.0	17.6
227	-16.3	-4.6	8.1	11.9	4.3	7.9	-75.4	-25.4	-16.1	-4.9
228	-37.7	-14.0	-29.8	-6.8	4.9	7.9	-40.8	-10.3	-2.8	2.9
229	-17.5	0.1	-6.4	10.1	8.6	12.4	-34.1	-1.7	4.4	9.4
230	-20.0	-3.8	-8.9	5.4	8.7	11.2	-31.6	-4.3	2.5	7.5
231	-19.5	-7.4	-4.8	5.8	7.4	10.8	-32.3	-4.5	3.3	7.5

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Table 11 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
232	-15.1	-3.0	9.3	13.2	5.9	9.5	-75.2	-23.5	-14.6	-3.1
233	-37.4	-7.1	-28.9	-0.6	10.3	14.3	-42.5	-4.3	2.1	9.3
234	-11.4	8.9	0.5	19.4	15.0	20.0	-32.1	7.8	11.9	17.5
235	-21.2	-0.6	-7.8	10.2	14.0	17.4	-39.0	-0.9	7.5	13.6
236	-17.9	-1.4	-5.9	9.9	10.2	14.0	-31.6	-2.8	6.1	10.1
MAXD	-41.3	45.8	-31.7	48.9	46.5	57.9	-88.5	43.4	48.4	55.4
MD	-12.8	10.9	-0.2	17.4	18.0	22.5	-31.6	7.8	11.2	18.4
MAD	15.4	13.6	9.8	17.8	18.0	22.5	32.9	15.4	15.7	18.9

Table 12: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the TPSS-D3 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-43.4	1.1	-31.0	1.1	-1.4	5.4	-38.7	1.3	-2.5	4.5
2	-50.2	-0.2	-35.7	0.0	-2.9	4.6	-44.0	1.1	-4.1	3.6
3	-44.8	-0.2	-32.2	0.0	-1.8	5.1	-39.9	0.4	-2.8	4.2
4	-51.6	0.0	-36.9	0.2	-2.8	4.9	-45.5	1.3	-4.0	4.0
5	-48.2	0.1	-34.9	0.0	-2.2	5.2	-43.1	0.6	-3.5	4.2
6	-52.1	0.1	-37.4	0.3	-2.8	5.0	-46.2	1.3	-4.1	4.1
7	-48.0	0.2	-34.8	0.1	-1.9	5.4	-43.1	0.6	-3.1	4.3
8	-23.6	-5.6	-1.7	3.8	-5.1	0.1	-91.1	-24.6	-25.4	-8.9
9	-23.7	-4.5	-1.3	4.5	-4.3	1.1	-93.3	-21.8	-25.0	-7.6
10	-25.8	-13.1	0.2	4.5	-2.4	1.8	-85.0	-29.5	-22.8	-9.9
11	-24.5	-11.0	0.6	5.0	-1.5	2.7	-85.2	-26.5	-22.1	-8.7
12	-23.4	-5.2	-1.5	4.0	-4.6	0.7	-91.4	-24.3	-24.9	-8.3
13	-22.4	-3.0	0.0	6.0	-3.0	2.7	-92.3	-20.5	-23.6	-6.0
14	-25.7	-12.8	0.2	4.7	-2.4	1.9	-85.1	-29.4	-22.6	-9.7
15	-24.4	-8.8	0.9	5.8	-1.0	3.6	-87.6	-22.6	-22.0	-7.0
16	-22.4	-2.5	-0.6	5.3	-3.3	2.4	-92.2	-21.1	-24.0	-6.3
17	-22.2	-2.6	0.2	6.5	-2.6	3.0	-92.3	-20.2	-23.3	-5.5

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Table 12 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
18	-25.5	-12.2	0.4	5.3	-2.1	2.3	-85.2	-28.7	-22.6	-8.9
19	-24.5	-8.2	0.8	6.0	-1.2	3.6	-88.3	-21.6	-22.2	-6.5
20	-22.2	-2.2	-0.5	5.6	-3.1	2.6	-92.4	-20.9	-23.8	-6.0
21	-15.5	3.1	-11.0	3.5	5.3	7.7	-18.1	3.3	3.0	6.5
22	-21.8	-8.8	-14.7	-2.9	1.7	3.1	-21.5	-4.5	-1.0	1.4
23	-16.5	2.5	-12.2	3.1	5.3	7.7	-19.0	2.4	2.5	6.2
24	-17.3	1.7	-12.7	2.5	4.4	6.4	-20.0	1.8	1.7	5.2
25	-18.2	1.8	-13.4	2.4	4.2	6.5	-21.1	1.8	1.5	5.3
26	-16.2	2.1	-11.8	2.7	4.8	7.0	-18.8	1.9	2.3	5.8
27	-15.8	2.7	-11.5	3.0	5.2	7.6	-18.7	2.5	2.8	6.3
28	-14.2	4.5	-9.9	4.6	6.3	8.8	-16.7	4.4	4.1	7.7
29	-16.7	2.6	-12.3	3.1	5.3	7.7	-19.1	2.5	2.6	6.3
30	-18.9	2.4	-13.9	2.5	4.1	6.6	-21.2	2.1	1.6	5.5
31	-21.0	-4.4	-14.4	-0.5	3.8	5.5	-21.1	-0.9	0.6	3.7
32	-18.7	3.1	-13.7	3.4	4.9	7.4	-21.4	3.1	2.3	6.4
33	-14.9	3.8	-10.9	3.8	5.6	8.3	-17.7	3.2	3.5	7.2
34	-13.6	5.1	-9.5	5.1	6.9	9.3	-16.3	4.7	4.6	8.2
35	-15.8	3.7	-11.5	4.2	6.3	8.8	-18.4	3.4	3.6	7.4
36	-17.4	4.9	-12.3	5.1	6.5	9.1	-20.1	4.9	3.9	8.2
37	-13.6	5.1	-9.6	5.1	6.9	9.6	-16.4	4.4	4.8	8.5
38	-27.5	1.4	-19.8	-0.2	-0.3	5.7	-51.5	-3.0	-5.0	3.6
39	-30.8	-0.5	-21.1	-0.8	-2.5	3.9	-57.8	-3.5	-7.6	1.7
40	-28.1	1.2	-20.1	-0.3	-0.1	6.2	-52.6	-3.5	-4.7	4.1
41	-32.3	-0.2	-22.1	-0.4	-2.3	4.3	-60.1	-3.1	-7.6	2.3
42	-27.7	1.6	-19.8	0.1	0.3	6.7	-52.8	-3.5	-4.2	4.6
43	-32.7	0.0	-22.5	-0.3	-2.4	4.4	-60.8	-3.1	-7.7	2.5
44	-27.8	1.6	-20.0	0.0	0.2	6.7	-53.0	-3.6	-4.2	4.6
45	-35.6	-7.9	-28.4	-5.4	-5.8	3.5	-50.7	-10.9	-4.9	1.0
46	-35.2	-21.5	-29.8	-14.5	-7.8	-3.1	-46.4	-22.2	-9.5	-5.9
47	-27.5	-5.2	-20.4	-3.7	-3.0	4.3	-38.4	-8.2	-2.6	2.0
48	-41.5	-9.4	-33.3	-6.3	-8.1	2.6	-57.1	-12.0	-6.5	0.0
49	-42.6	-20.7	-34.4	-14.1	-9.2	-2.9	-53.1	-21.2	-10.3	-5.7

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Table 12 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
50	-31.5	-6.7	-22.8	-4.8	-4.2	3.8	-43.6	-9.1	-3.6	1.4
51	-34.4	-7.0	-26.4	-4.5	-4.1	5.0	-48.3	-9.8	-2.9	2.5
52	-43.7	-9.7	-34.9	-6.7	-9.0	2.4	-58.9	-12.1	-7.1	-0.2
53	-44.4	-20.4	-35.6	-14.2	-9.5	-2.7	-55.3	-20.6	-10.5	-5.6
54	-33.0	-6.9	-23.7	-5.1	-4.5	3.7	-45.1	-9.2	-4.0	1.4
55	-33.3	-5.5	-25.4	-3.5	-3.8	5.3	-46.5	-8.9	-2.5	2.9
56	-37.4	1.8	-21.7	2.9	-3.8	3.6	-44.7	-2.4	-4.5	2.7
57	-44.7	1.0	-26.8	2.3	-5.6	2.9	-51.6	-2.6	-6.1	1.8
58	-37.7	1.6	-22.2	2.5	-4.1	3.8	-45.0	-2.7	-4.5	2.8
59	-41.1	2.6	-25.3	2.5	-5.6	3.1	-50.5	-2.6	-5.9	2.1
60	-37.6	1.6	-22.3	2.5	-4.0	4.0	-45.1	-2.8	-4.4	2.9
61	-47.4	1.2	-29.0	2.3	-6.2	3.0	-54.9	-2.6	-6.7	2.0
62	-37.6	1.7	-22.1	2.5	-3.9	4.0	-45.1	-2.9	-4.3	3.0
63	-24.3	5.2	-16.3	3.9	0.3	6.7	-49.7	4.0	-2.4	6.5
64	-62.0	-17.1	-44.7	-11.4	-7.0	-1.8	-52.3	-10.3	-9.7	-3.3
65	-58.6	-19.6	-42.6	-13.1	-7.9	-3.0	-48.6	-12.0	-10.3	-4.6
66	-62.1	-16.5	-45.2	-11.2	-7.0	-1.5	-53.2	-10.2	-9.6	-3.0
67	-57.8	-15.4	-42.4	-10.0	-6.9	-1.5	-49.4	-9.1	-9.2	-2.9
68	-58.8	-19.0	-42.8	-12.5	-7.6	-2.3	-49.1	-11.6	-9.8	-3.9
69	-62.9	-16.5	-46.5	-11.5	-7.7	-1.9	-54.5	-10.6	-10.4	-3.5
70	-58.9	-15.9	-43.2	-10.5	-7.4	-1.8	-50.5	-9.7	-9.4	-3.1
71	-59.0	-19.1	-43.4	-12.7	-8.0	-2.6	-49.9	-12.1	-10.2	-4.2
72	-62.4	-16.0	-46.0	-10.9	-7.2	-1.4	-54.2	-10.1	-9.8	-2.9
73	-58.6	-15.7	-43.2	-10.3	-7.3	-1.6	-50.6	-9.7	-9.3	-2.9
74	-59.1	-19.0	-43.5	-12.6	-8.0	-2.4	-50.1	-12.0	-10.1	-4.0
75	-28.1	-14.8	-1.4	2.8	-3.7	0.3	-92.8	-32.3	-24.5	-11.7
76	-27.3	-12.5	-1.6	3.2	-3.5	1.1	-92.7	-30.6	-24.4	-10.2
77	-27.2	-12.4	-2.9	1.9	-4.4	0.0	-90.4	-29.3	-24.7	-10.9
78	-27.5	-14.0	-1.3	3.0	-3.3	0.7	-92.2	-31.7	-23.9	-11.1
79	-27.3	-11.7	-1.7	3.6	-3.4	1.3	-93.0	-29.8	-24.5	-9.6
80	-26.1	-11.3	-1.9	2.9	-3.4	1.0	-89.2	-28.1	-23.5	-9.7
81	-27.5	-13.6	-1.6	3.2	-3.5	0.8	-92.4	-31.2	-24.1	-10.7

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Table 12 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
82	-26.5	-10.8	-1.0	4.3	-2.6	2.2	-92.2	-28.9	-23.7	-8.7
83	-26.3	-11.3	-1.8	3.4	-3.2	1.3	-90.2	-28.8	-23.5	-9.4
84	-26.6	-12.6	-0.7	4.0	-2.6	1.7	-91.5	-30.3	-23.2	-9.7
85	-28.6	-11.5	-21.6	-8.4	-2.7	-2.0	-30.0	-8.9	-6.9	-3.9
86	-26.3	-9.8	-19.9	-7.1	-1.4	-0.6	-27.2	-7.1	-5.5	-2.6
87	-18.3	-5.8	-14.0	-3.6	4.7	5.5	-19.8	-4.6	0.9	3.4
88	-25.7	-10.2	-19.2	-7.2	-1.1	-0.4	-26.2	-7.5	-5.1	-2.5
89	-28.4	-11.2	-21.7	-8.4	-3.0	-2.1	-30.1	-9.0	-7.1	-4.1
90	-26.3	-9.1	-19.9	-6.7	-1.7	-0.7	-27.0	-6.7	-5.8	-2.7
91	-28.6	-11.3	-21.9	-8.5	-3.2	-2.2	-30.3	-9.0	-7.2	-4.1
92	-26.2	-9.0	-19.7	-6.5	-1.5	-0.6	-26.8	-6.6	-5.6	-2.6
93	-26.2	-9.7	-20.0	-7.1	-1.4	-0.6	-27.3	-7.2	-5.5	-2.6
94	-26.0	-9.6	-19.8	-7.0	-1.2	-0.5	-27.2	-7.1	-5.3	-2.5
95	-25.8	-7.7	-19.8	-5.6	-0.9	0.0	-27.9	-6.0	-5.2	-1.9
96	-25.5	-8.2	-18.9	-5.6	-0.8	0.2	-26.1	-5.8	-4.8	-1.7
97	-25.6	-7.3	-19.7	-5.2	-0.6	0.4	-27.8	-5.5	-5.0	-1.6
98	-16.8	-3.9	-13.1	-2.6	5.1	6.1	-18.5	-3.1	1.3	4.0
99	-24.4	-8.0	-18.7	-5.7	-0.9	0.1	-26.0	-6.3	-4.9	-1.9
100	-25.2	-8.5	-19.1	-6.0	-0.3	0.5	-26.6	-6.2	-4.5	-1.5
101	-22.2	-7.8	-17.6	-5.7	-1.1	-0.2	-24.0	-6.7	-5.0	-2.1
102	-25.5	-8.3	-19.0	-5.8	-0.7	0.2	-26.4	-6.1	-4.7	-1.7
103	-25.4	-6.6	-19.4	-4.8	-0.5	0.7	-27.3	-4.9	-4.8	-1.2
104	-25.4	-8.3	-18.9	-5.8	-0.5	0.3	-26.3	-6.1	-4.6	-1.7
105	-24.7	-9.2	-18.5	-6.3	-0.4	0.4	-25.7	-7.0	-4.4	-1.6
106	-25.0	-8.4	-18.9	-6.0	-0.1	0.6	-26.4	-6.2	-4.3	-1.4
107	-38.6	-14.6	-26.9	-8.7	-5.8	-1.3	-62.6	-14.8	-12.3	-4.7
108	-36.5	-18.3	-24.7	-9.4	-5.9	-2.2	-59.1	-18.2	-11.9	-5.8
109	-39.7	-14.1	-27.9	-8.4	-6.2	-1.3	-64.1	-14.8	-12.7	-4.6
110	-36.5	-11.9	-25.8	-7.3	-5.7	-1.1	-59.1	-12.6	-12.1	-4.3
111	-36.9	-17.0	-25.5	-8.9	-6.1	-1.9	-60.5	-17.3	-12.0	-5.3
112	-39.7	-13.2	-28.0	-7.8	-6.0	-1.1	-64.8	-14.3	-12.6	-4.3
113	-36.5	-11.9	-25.7	-7.3	-5.7	-1.1	-59.1	-12.7	-11.8	-4.2

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Table 12 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
114	-37.2	-16.3	-25.8	-8.5	-6.0	-1.5	-61.2	-16.9	-12.1	-4.8
115	-39.3	-12.9	-27.6	-7.5	-5.7	-0.8	-64.5	-14.1	-12.3	-3.9
116	-36.6	-12.1	-26.0	-7.5	-5.8	-1.3	-59.6	-13.1	-12.0	-4.3
117	-37.2	-16.1	-25.9	-8.4	-6.0	-1.4	-61.3	-16.8	-12.0	-4.7
118	-37.9	-19.4	-32.5	-15.1	-9.3	-4.1	-50.6	-20.5	-11.3	-7.1
119	-30.1	-12.1	-25.2	-10.6	-7.5	-1.8	-42.5	-15.3	-8.2	-4.5
120	-38.0	-21.4	-32.9	-16.0	-9.5	-4.3	-50.2	-22.0	-11.5	-7.5
121	-31.7	-12.6	-25.6	-10.7	-7.4	-1.8	-43.7	-14.8	-8.3	-4.4
122	-36.5	-17.1	-31.6	-13.4	-8.7	-2.7	-50.5	-18.3	-10.3	-5.7
123	-32.4	-12.5	-27.0	-10.6	-8.1	-1.9	-44.8	-15.9	-8.6	-4.7
124	-38.1	-19.2	-32.9	-15.3	-9.3	-3.8	-52.6	-19.9	-11.4	-7.0
125	-31.8	-10.4	-25.9	-9.3	-7.0	-1.0	-43.5	-13.2	-7.8	-3.7
126	-31.3	-11.5	-25.6	-10.1	-7.3	-1.3	-43.1	-14.2	-7.9	-4.0
127	-38.4	-17.5	-32.5	-13.8	-8.8	-2.7	-52.2	-18.6	-10.5	-5.8
128	-50.9	-13.6	-30.8	-7.8	-9.3	-3.5	-55.2	-13.5	-11.6	-5.1
129	-49.0	-15.0	-29.6	-8.6	-10.0	-4.6	-52.5	-14.3	-11.9	-6.1
130	-50.0	-12.8	-30.6	-7.2	-9.0	-2.6	-54.7	-12.8	-11.1	-4.3
131	-48.1	-12.1	-29.8	-6.7	-8.8	-2.8	-52.4	-12.0	-10.7	-4.2
132	-48.8	-14.5	-29.7	-8.3	-9.8	-4.0	-52.6	-14.0	-11.6	-5.6
133	-52.0	-13.1	-32.4	-7.9	-10.1	-3.4	-57.1	-13.5	-12.3	-5.1
134	-48.4	-12.5	-30.0	-7.0	-9.3	-3.1	-52.8	-12.4	-10.9	-4.4
135	-49.1	-14.5	-30.4	-8.4	-10.3	-4.1	-53.4	-14.2	-12.0	-5.6
136	-51.5	-12.7	-31.9	-7.5	-9.7	-3.0	-56.8	-13.2	-11.7	-4.6
137	-48.5	-12.4	-30.2	-7.0	-9.4	-3.0	-53.0	-12.5	-11.0	-4.4
138	-49.0	-14.1	-30.3	-8.1	-10.2	-3.8	-53.5	-13.9	-11.9	-5.3
139	-31.0	-9.9	-20.5	-4.9	-3.4	0.9	-52.8	-8.7	-7.7	-0.8
140	-32.2	-8.7	-21.8	-4.2	-3.7	1.1	-54.9	-8.3	-8.1	-0.5
141	-29.2	-7.6	-19.8	-3.9	-3.6	0.6	-50.2	-7.2	-7.6	-0.9
142	-55.1	-26.7	-43.2	-17.6	-4.3	-2.1	-56.4	-23.2	-14.2	-7.5
143	-52.0	-26.2	-40.7	-16.9	-3.6	-1.5	-51.9	-21.4	-13.6	-7.3
144	-51.4	-26.9	-41.2	-17.5	-4.1	-1.8	-51.8	-21.9	-13.7	-7.5
145	-55.1	-28.4	-42.8	-18.7	-5.3	-3.1	-55.9	-24.5	-14.3	-8.1

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Table 12 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
146	-51.9	-27.7	-40.4	-18.0	-4.5	-2.5	-51.7	-22.7	-13.8	-8.0
147	-52.9	-28.9	-41.2	-18.6	-5.0	-2.8	-52.3	-23.3	-13.9	-8.1
148	-19.5	-11.5	3.3	6.4	0.0	3.1	-69.7	-31.2	-18.9	-9.7
149	-31.4	-15.7	-8.4	-3.4	-12.0	-7.3	-98.3	-41.7	-32.8	-18.3
150	-44.8	-20.5	-35.2	-12.5	-0.7	2.4	-47.4	-16.2	-8.9	-3.1
151	-33.8	-3.0	-33.4	-2.5	-0.2	6.0	-43.5	-4.8	-5.4	3.1
152	-25.9	-11.2	-17.4	-3.3	-5.3	-1.2	-42.0	-12.3	-7.9	-3.4
153	-20.6	-0.6	-17.7	-0.9	-4.5	1.0	-41.4	-9.0	-6.8	-1.2
154	-31.5	-16.4	-17.5	-4.7	-2.3	1.1	-46.8	-15.5	-8.5	-3.3
155	-30.9	-10.9	-21.6	-4.7	-4.5	0.0	-45.5	-11.8	-7.7	-2.7
156	-24.5	-3.7	-16.0	-0.7	-2.9	1.9	-46.2	-6.9	-7.2	-0.4
157	-29.2	-7.4	-22.4	-4.8	-3.4	1.8	-45.6	-10.8	-6.4	-1.1
158	-19.4	-11.3	3.3	6.4	0.6	3.8	-69.7	-31.0	-18.3	-9.1
159	-19.6	-11.4	3.0	6.2	0.3	3.5	-70.1	-31.4	-18.7	-9.5
160	-44.4	-20.1	-35.0	-12.3	-0.1	3.0	-47.2	-16.1	-8.4	-2.6
161	-30.8	0.7	-30.8	0.7	2.7	8.6	-38.7	0.6	-2.9	6.0
162	-26.9	-14.2	-17.1	-3.5	-3.7	-0.2	-39.3	-15.6	-7.5	-3.8
163	-23.2	-2.1	-18.5	-0.9	-4.3	1.9	-44.3	-7.3	-5.8	0.2
164	-32.4	-17.2	-19.6	-5.7	-2.3	0.4	-44.3	-15.9	-8.7	-3.8
165	-29.6	-16.4	-18.8	-5.4	-4.6	-1.2	-42.1	-16.4	-9.0	-5.1
166	-30.8	-6.4	-19.7	-3.0	-2.6	2.6	-53.6	-9.3	-7.9	-0.1
167	-35.5	-14.1	-24.7	-6.8	-5.7	-0.9	-50.9	-16.8	-9.3	-4.2
168	-19.3	-11.1	3.4	6.6	1.0	4.2	-69.7	-30.8	-18.0	-8.8
169	-19.5	-11.2	3.2	6.4	0.7	3.9	-70.5	-31.1	-18.4	-9.1
170	-45.2	-21.2	-35.6	-13.3	-1.8	1.4	-47.4	-16.9	-9.9	-4.2
171	-49.8	-18.7	-43.2	-13.2	-4.6	0.0	-56.7	-17.4	-13.0	-4.8
172	-27.4	-12.7	-16.3	-1.6	-5.0	-0.5	-45.0	-14.2	-8.1	-3.5
173	-29.9	-6.5	-22.7	-2.8	-5.9	0.0	-51.5	-9.5	-8.6	-1.9
174	-29.9	-17.0	-19.0	-5.6	-4.3	-0.9	-42.1	-16.6	-8.6	-4.8
175	-36.8	-10.3	-23.2	-4.3	-3.5	1.8	-59.5	-11.6	-9.6	-1.4
176	-35.2	-11.8	-23.6	-6.0	-5.3	0.6	-54.2	-11.1	-9.0	-1.7
177	-18.8	-10.7	3.9	7.0	1.4	4.7	-68.9	-30.4	-17.5	-8.3

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Table 12 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
178	-28.9	-9.2	-6.3	-0.3	-8.6	-3.2	-99.5	-29.8	-29.6	-12.3
179	-44.9	-20.9	-35.3	-13.0	-1.5	1.7	-47.1	-16.6	-9.6	-3.9
180	-45.2	-21.0	-35.9	-13.2	-0.9	2.3	-48.1	-17.0	-9.2	-3.3
181	-31.7	-11.6	-21.4	-2.9	-6.6	-0.9	-52.1	-13.7	-9.2	-3.3
182	-31.7	-10.6	-21.7	-2.5	-6.6	-0.6	-52.5	-12.7	-8.8	-2.6
183	-31.3	-16.1	-18.5	-4.7	-1.3	1.5	-43.1	-15.1	-7.6	-2.8
184	-29.3	-16.5	-18.5	-5.1	-3.8	-0.4	-41.4	-16.1	-8.1	-4.3
185	-35.6	-12.1	-22.1	-4.1	-3.3	1.6	-57.5	-12.8	-9.4	-1.7
186	-34.6	-15.2	-22.5	-6.0	-5.1	-0.1	-51.7	-13.5	-9.3	-2.8
187	-24.4	-9.2	1.1	5.9	-1.5	3.0	-88.2	-30.8	-22.9	-8.8
188	-51.5	-17.5	-44.1	-12.9	-3.1	1.4	-59.3	-18.1	-12.0	-3.9
189	-36.3	-13.8	-25.5	-4.8	-8.7	-3.1	-58.4	-17.3	-12.3	-6.1
190	-41.4	-16.3	-27.3	-7.8	-5.9	-1.3	-65.0	-18.2	-13.2	-5.4
191	-39.9	-19.0	-27.4	-9.2	-7.6	-2.9	-58.9	-19.4	-13.0	-6.4
192	-24.8	-7.2	1.3	6.9	-0.8	4.3	-91.5	-27.4	-22.6	-7.0
193	-52.8	-17.9	-45.6	-12.9	-3.4	1.4	-61.2	-18.0	-12.3	-3.7
194	-37.7	-13.9	-26.6	-4.7	-9.3	-3.0	-60.8	-17.5	-12.6	-6.0
195	-43.9	-17.3	-28.4	-8.4	-6.9	-2.0	-68.7	-19.3	-14.2	-6.0
196	-42.8	-20.5	-29.1	-10.1	-9.0	-3.9	-62.9	-20.3	-14.3	-7.3
197	-26.3	-8.8	-0.6	4.7	-2.2	2.7	-94.6	-23.8	-23.8	-7.8
198	-49.4	-10.1	-45.4	-10.0	-2.6	2.3	-57.2	-9.7	-10.6	-1.2
199	-33.8	-7.7	-27.5	-4.4	-7.1	-0.8	-57.1	-10.4	-9.8	-2.6
200	-39.1	-8.4	-28.3	-6.0	-5.5	-0.1	-64.9	-9.7	-11.8	-2.8
201	-42.5	-12.0	-32.5	-8.2	-7.3	-1.4	-59.9	-13.1	-11.2	-4.2
202	-22.3	-8.8	1.8	6.5	-0.9	3.3	-78.8	-31.1	-21.6	-8.8
203	-53.6	-22.2	-44.9	-15.6	-4.6	-0.6	-58.7	-20.0	-13.6	-6.0
204	-34.5	-16.5	-23.6	-6.2	-7.9	-3.3	-51.3	-19.5	-11.8	-6.7
205	-39.4	-19.4	-24.8	-8.5	-6.0	-2.2	-58.6	-20.1	-13.1	-6.6
206	-38.8	-22.6	-25.4	-10.5	-7.8	-4.1	-54.8	-21.7	-13.1	-7.7
207	-27.1	-11.7	-1.7	3.0	-4.3	0.1	-90.6	-26.5	-24.7	-10.6
208	-45.8	-10.7	-41.3	-10.1	-3.1	1.3	-50.6	-8.5	-10.6	-2.4
209	-33.1	-11.6	-24.8	-5.8	-8.4	-3.2	-53.6	-12.5	-10.8	-5.0

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Table 12 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
210	-37.6	-13.1	-26.1	-8.0	-6.7	-2.2	-59.8	-12.8	-12.4	-5.0
211	-31.6	-11.3	-23.4	-7.3	-6.3	-1.8	-47.6	-9.1	-10.1	-3.8
212	-22.3	-10.7	1.3	5.4	-1.4	2.2	-77.8	-32.8	-22.0	-10.7
213	-51.0	-23.1	-42.4	-15.6	-3.8	-0.1	-55.6	-20.2	-12.5	-5.7
214	-35.6	-16.7	-22.8	-5.2	-8.4	-3.4	-54.9	-17.9	-11.7	-6.3
215	-38.6	-21.2	-23.1	-8.5	-5.1	-1.5	-57.2	-20.9	-11.4	-5.7
216	-40.2	-22.0	-26.4	-9.7	-8.6	-4.7	-55.2	-22.6	-13.0	-8.6
217	-23.9	-10.4	1.3	5.8	-1.8	2.3	-84.4	-31.4	-22.8	-10.3
218	-54.9	-23.3	-46.3	-16.2	-5.2	-1.0	-60.5	-20.5	-14.3	-6.6
219	-37.4	-16.1	-25.1	-5.6	-9.6	-4.2	-57.9	-17.5	-12.9	-7.0
220	-41.4	-19.8	-27.2	-8.6	-6.8	-3.1	-59.9	-20.9	-13.7	-7.3
221	-44.3	-21.2	-29.4	-9.4	-7.9	-3.2	-58.7	-21.4	-12.5	-7.2
222	-25.8	-6.7	-1.1	4.3	-2.4	2.4	-91.5	-17.3	-24.1	-7.6
223	-53.8	-22.3	-45.6	-15.6	-4.4	-0.1	-59.9	-20.2	-13.4	-5.6
224	-35.0	-10.6	-27.4	-6.6	-7.8	-2.1	-56.7	-11.4	-10.7	-3.9
225	-37.5	-18.3	-24.0	-7.5	-4.5	-0.9	-54.8	-19.9	-11.4	-5.4
226	-41.4	-21.6	-27.9	-10.3	-8.2	-3.5	-60.0	-20.6	-13.6	-7.0
227	-23.7	-12.0	0.7	4.6	-3.0	0.5	-82.8	-32.8	-23.5	-12.3
228	-47.1	-23.4	-39.1	-16.2	-4.5	-1.5	-50.1	-19.7	-12.1	-6.4
229	-34.5	-17.0	-23.5	-6.9	-8.4	-4.6	-51.2	-18.7	-12.7	-7.6
230	-32.5	-16.3	-21.4	-7.1	-3.8	-1.3	-44.1	-16.8	-10.1	-5.0
231	-34.1	-21.9	-19.3	-8.7	-7.1	-3.7	-46.8	-19.0	-11.3	-7.0
232	-23.0	-11.0	1.3	5.2	-2.1	1.5	-83.1	-31.5	-22.5	-11.0
233	-51.5	-21.3	-43.1	-14.7	-3.9	0.1	-56.6	-18.4	-12.0	-4.9
234	-34.7	-14.4	-22.8	-3.9	-8.2	-3.2	-55.3	-15.4	-11.4	-5.7
235	-40.5	-19.9	-27.0	-9.0	-5.2	-1.9	-58.2	-20.1	-11.7	-5.7
236	-36.1	-19.5	-24.1	-8.3	-8.0	-4.1	-49.8	-21.0	-12.1	-8.1
MAXD	-62.9	-28.9	-46.5	-18.7	-12.0	9.6	-99.5	-41.7	-32.8	-18.3
MD	-34.5	-10.9	-22.0	-4.4	-3.8	0.8	-53.4	-14.0	-10.5	-3.3
MAD	34.5	11.5	22.3	6.7	4.7	2.7	53.4	14.4	11.0	5.1

Table 13: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the XLYP functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-28.5	26.4	-10.9	28.6	29.0	34.7	-23.2	26.6	23.9	32.7
2	-34.2	27.6	-13.9	29.9	30.1	36.4	-27.1	28.8	24.7	34.4
3	-30.5	24.7	-12.9	26.7	28.0	33.8	-24.9	25.3	22.9	31.7
4	-34.9	28.9	-14.4	31.1	31.2	37.6	-28.0	30.1	25.7	35.8
5	-32.6	27.1	-13.9	29.0	29.9	36.1	-26.9	27.6	24.3	34.0
6	-35.0	29.5	-14.6	31.7	31.7	38.2	-28.4	30.6	26.1	36.4
7	-32.3	27.4	-13.7	29.2	30.3	36.3	-26.8	27.7	24.8	34.2
8	-10.9	14.6	17.8	25.5	19.3	23.9	-91.4	-6.4	-12.7	10.7
9	-10.1	17.1	19.2	27.4	21.3	26.1	-92.9	-1.6	-11.4	13.3
10	-18.6	-0.4	13.4	19.3	16.1	19.8	-89.6	-18.1	-15.3	3.3
11	-16.3	2.8	14.5	20.7	17.8	21.5	-89.7	-14.3	-13.8	5.5
12	-10.1	15.6	18.3	26.2	20.3	25.0	-91.1	-5.3	-11.8	11.8
13	-8.1	19.4	20.9	29.4	23.1	28.2	-91.4	0.4	-9.5	15.5
14	-18.0	0.3	13.6	19.7	16.4	20.2	-89.4	-17.7	-14.9	3.8
15	-13.8	8.3	17.5	24.4	21.0	25.1	-90.3	-7.0	-11.3	10.1
16	-7.1	21.0	21.7	30.1	23.9	28.9	-90.7	0.1	-8.9	16.3
17	-7.6	20.1	21.5	30.2	23.8	28.8	-91.0	1.1	-9.0	16.3
18	-17.3	1.7	14.5	21.1	17.4	21.3	-88.9	-16.1	-14.2	5.5
19	-12.9	10.2	18.4	25.7	21.9	26.2	-90.3	-4.8	-10.6	11.8
20	-6.6	21.6	22.2	30.8	24.5	29.5	-90.6	0.7	-8.4	16.9
21	10.8	36.7	19.0	38.2	42.6	44.4	5.6	35.8	36.7	41.4
22	-7.9	10.5	2.0	17.5	26.1	27.1	-9.8	14.2	20.5	23.7
23	12.2	38.8	20.7	40.6	45.7	47.4	7.7	37.6	39.3	44.2
24	9.7	36.4	18.2	38.2	42.9	44.3	4.6	35.4	36.5	41.3
25	9.5	37.5	18.4	39.1	43.6	45.3	4.2	36.2	37.3	42.4
26	10.0	35.6	18.0	37.0	42.0	43.7	5.1	34.3	36.0	40.6
27	10.6	36.6	18.6	37.7	42.5	44.2	5.3	35.2	36.5	41.2
28	13.0	39.0	20.8	40.0	44.3	46.1	7.9	37.6	38.4	43.2
29	13.0	39.8	21.3	41.4	46.4	48.1	8.4	38.4	40.1	45.0

Continued on next page

Table 13 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
30	12.5	42.1	21.8	43.1	47.3	49.1	7.8	40.5	41.0	46.2
31	0.7	24.0	10.7	28.9	36.8	38.0	-2.1	26.6	30.4	34.5
32	11.5	41.9	20.8	43.1	47.2	49.0	6.5	40.6	40.7	46.2
33	14.7	40.8	22.4	41.6	46.0	48.0	9.6	38.9	40.2	45.1
34	14.0	40.0	21.6	40.7	45.0	46.8	8.6	38.2	39.1	43.9
35	14.4	41.5	22.8	43.1	48.1	49.8	9.7	40.0	41.7	46.8
36	14.2	45.1	23.4	46.2	50.1	52.0	8.9	43.8	43.6	49.3
37	16.5	42.5	24.1	43.2	47.6	49.7	11.3	40.5	41.9	46.8
38	3.7	41.2	16.3	40.8	41.9	46.7	-26.7	35.3	31.2	42.3
39	3.9	43.2	19.1	44.2	44.1	49.3	-30.3	38.7	32.7	44.8
40	4.0	41.9	16.7	41.5	42.8	47.9	-27.0	35.7	32.2	43.5
41	4.4	46.2	20.1	47.0	46.7	52.1	-30.9	41.6	34.9	47.6
42	4.8	42.7	17.3	42.2	43.6	48.8	-26.7	36.2	33.0	44.4
43	5.3	47.8	21.0	48.5	48.0	53.6	-30.4	43.0	36.1	49.1
44	4.7	42.9	17.2	42.2	43.7	48.9	-26.8	36.2	33.1	44.5
45	10.0	46.1	21.8	49.2	52.1	59.5	-12.4	39.9	47.7	55.3
46	-11.7	5.5	-4.0	13.2	23.4	27.1	-29.2	3.6	18.2	22.8
47	0.6	30.7	12.0	32.9	37.3	43.0	-15.9	25.5	33.4	39.2
48	9.8	51.3	23.3	55.3	57.2	65.7	-13.2	45.5	53.3	61.6
49	-11.8	16.0	-0.1	23.5	32.4	37.4	-28.7	13.9	27.3	33.0
50	-1.0	32.6	12.5	34.9	39.4	45.7	-19.1	27.9	35.4	41.8
51	9.1	45.1	21.4	47.8	51.6	58.7	-11.8	39.4	47.3	54.3
52	10.9	54.6	25.1	58.5	59.9	68.9	-11.9	49.0	56.0	64.9
53	-10.5	20.2	2.0	27.1	35.8	41.2	-28.4	18.3	30.5	36.8
54	-1.1	34.3	13.2	36.5	40.9	47.5	-19.2	29.6	36.8	43.6
55	10.1	46.7	22.6	49.0	51.8	59.0	-9.6	40.4	48.0	54.8
56	-19.4	30.0	1.8	32.9	29.4	35.6	-30.3	24.5	23.6	32.8
57	-24.3	33.0	-0.4	36.3	31.8	38.9	-35.1	28.1	26.0	36.1
58	-19.4	30.0	1.4	32.6	29.2	35.8	-30.3	24.4	23.7	33.0
59	-21.6	33.3	-0.4	34.9	30.0	37.2	-35.2	26.9	24.5	34.7
60	-19.2	30.2	1.3	32.6	29.3	36.0	-30.4	24.3	23.8	33.2
61	-24.6	36.3	-0.2	39.4	34.3	42.1	-36.1	31.3	28.3	39.5

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Table 13 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
62	-19.1	30.3	1.4	32.7	29.4	36.1	-30.4	24.4	24.0	33.3
63	15.9	54.5	29.1	53.9	51.4	56.6	-17.0	51.4	42.8	54.3
64	-52.2	3.9	-30.0	11.3	19.4	23.7	-41.4	11.1	13.0	21.0
65	-50.5	-1.8	-30.2	6.3	15.2	19.2	-39.1	6.5	9.3	16.5
66	-51.3	5.6	-29.8	12.4	20.3	24.9	-41.4	12.3	13.9	22.2
67	-49.3	3.7	-29.8	10.5	17.1	21.6	-40.3	10.4	11.4	19.3
68	-49.9	-0.3	-30.0	7.5	16.1	20.5	-39.2	7.6	10.3	17.8
69	-51.4	6.3	-30.5	12.9	20.3	25.2	-42.2	12.7	13.9	22.5
70	-50.1	3.6	-30.4	10.3	17.0	21.7	-41.2	10.2	11.4	19.5
71	-49.7	0.0	-30.3	7.6	16.0	20.6	-39.6	7.6	10.2	17.9
72	-50.8	7.0	-30.0	13.5	21.0	25.8	-41.7	13.2	14.5	23.2
73	-49.4	4.1	-30.0	10.8	17.4	22.2	-40.9	10.5	11.9	20.0
74	-49.6	0.4	-30.3	7.9	16.2	20.9	-39.7	7.8	10.5	18.2
75	-19.8	-0.7	12.1	18.0	16.3	20.0	-96.8	-19.4	-15.3	3.0
76	-16.8	4.3	14.2	21.0	18.7	22.8	-94.7	-15.1	-13.3	6.9
77	-18.1	2.9	11.8	18.5	16.2	20.2	-93.7	-15.4	-14.9	4.8
78	-18.3	1.0	12.9	19.0	17.3	20.9	-95.4	-17.8	-14.1	4.4
79	-16.3	5.7	14.6	22.1	19.3	23.6	-94.5	-13.6	-13.0	8.2
80	-16.5	4.6	13.1	19.8	17.4	21.4	-92.1	-13.7	-13.4	6.3
81	-18.0	2.0	13.0	19.6	17.4	21.4	-95.2	-16.8	-14.0	5.2
82	-15.4	6.7	15.5	22.9	20.1	24.4	-93.6	-12.6	-12.1	9.1
83	-16.5	4.8	13.5	20.7	18.0	22.0	-92.8	-13.9	-13.1	7.0
84	-17.1	3.0	13.9	20.5	18.3	22.3	-94.2	-15.8	-13.1	6.3
85	-12.6	11.6	-2.3	15.7	24.2	24.7	-16.9	13.3	17.3	21.1
86	-7.8	15.6	2.5	19.8	28.4	29.0	-11.5	17.2	21.6	25.4
87	-1.3	17.1	5.9	19.8	30.7	31.3	-4.7	17.1	24.4	27.7
88	-7.3	14.9	2.7	19.0	28.0	28.5	-10.4	16.3	21.4	24.9
89	-11.8	12.4	-2.0	16.0	24.3	24.9	-16.4	13.7	17.4	21.4
90	-7.7	16.7	2.6	20.3	28.2	28.8	-10.9	18.0	21.4	25.4
91	-11.9	12.5	-2.1	16.1	24.2	25.0	-16.5	13.8	17.3	21.5
92	-7.5	16.8	2.7	20.4	28.3	28.9	-10.7	18.1	21.5	25.5
93	-6.8	16.7	3.1	20.5	29.1	29.7	-10.9	17.9	22.3	26.2

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Table 13 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
94	-6.7	16.7	3.3	20.5	29.2	29.7	-10.8	17.9	22.4	26.2
95	-8.5	16.7	0.4	19.6	27.0	27.6	-13.5	17.4	19.9	24.2
96	-6.5	17.9	3.6	21.4	29.2	29.9	-9.9	19.1	22.4	26.6
97	-8.4	17.1	0.4	20.0	27.3	28.0	-13.6	18.0	20.1	24.6
98	1.1	19.7	7.4	21.4	31.5	32.3	-2.9	19.2	25.4	28.9
99	-5.2	17.9	3.8	21.2	28.7	29.5	-9.5	18.5	22.1	26.1
100	-5.6	18.2	4.1	21.8	30.3	31.0	-9.9	19.2	23.4	27.4
101	-1.3	18.9	6.5	22.1	29.5	30.1	-5.3	18.8	23.1	27.0
102	-6.6	17.7	3.6	21.3	29.3	29.9	-10.1	18.8	22.5	26.6
103	-7.4	18.8	1.6	21.4	28.3	29.1	-12.3	19.4	21.2	25.8
104	-6.4	17.8	3.8	21.3	29.5	30.0	-9.9	18.9	22.7	26.6
105	-4.3	17.8	5.2	21.5	30.2	30.8	-7.8	18.8	23.7	27.4
106	-5.3	18.3	4.5	21.9	30.6	31.0	-9.6	19.3	23.7	27.6
107	-14.3	17.2	2.0	24.7	30.0	33.6	-45.4	16.0	18.3	28.1
108	-18.3	5.9	-2.9	16.0	22.2	25.2	-47.0	5.7	11.7	19.5
109	-13.2	20.1	3.0	27.2	31.8	35.9	-44.9	18.3	20.0	30.4
110	-13.4	18.7	1.7	24.7	28.7	32.6	-42.5	16.9	17.6	27.6
111	-16.0	10.0	-1.2	19.3	24.8	28.2	-46.0	9.2	14.1	22.8
112	-11.9	22.3	4.3	29.2	33.4	37.5	-44.1	20.1	21.4	32.1
113	-12.7	19.3	2.3	25.2	29.2	33.0	-42.1	17.3	18.2	28.1
114	-15.4	11.9	-0.6	20.8	26.0	29.7	-45.8	10.8	15.0	24.3
115	-11.5	22.7	4.7	29.5	33.8	37.8	-43.8	20.4	21.8	32.5
116	-12.5	19.5	2.6	25.5	29.6	33.4	-42.0	17.4	18.6	28.5
117	-15.1	12.3	-0.4	21.1	26.2	29.9	-45.7	11.1	15.3	24.7
118	-7.9	15.9	0.6	21.2	30.5	34.7	-27.2	12.9	24.9	30.2
119	-7.2	17.2	1.2	19.6	26.1	30.8	-24.8	12.2	21.9	26.6
120	-10.2	11.1	-2.5	17.3	27.4	31.6	-29.1	8.8	22.0	27.1
121	-8.7	17.5	1.3	20.2	27.0	31.5	-26.3	13.3	22.4	27.3
122	-4.8	20.3	3.2	25.0	33.1	38.0	-25.5	17.1	27.6	33.5
123	-7.9	19.0	0.8	21.5	27.6	32.5	-25.7	13.6	23.6	28.5
124	-8.3	16.5	0.3	21.3	30.8	35.2	-29.9	13.8	25.3	30.9
125	-7.6	21.5	2.2	23.4	29.2	33.9	-25.1	16.6	24.7	30.0

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Table 13 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
126	-8.1	19.0	1.3	21.1	27.3	32.1	-25.6	14.3	23.0	28.0
127	-6.0	21.6	3.8	26.1	34.6	39.4	-26.7	18.4	29.0	34.9
128	-39.0	8.7	-13.9	16.1	18.2	23.0	-46.7	8.1	11.3	19.5
129	-39.2	4.3	-15.3	12.2	14.4	19.0	-45.6	4.5	8.0	15.5
130	-37.9	9.9	-13.8	16.6	18.3	23.7	-46.1	8.8	11.6	20.2
131	-37.6	8.4	-14.9	15.1	16.4	21.5	-45.3	7.7	10.2	18.5
132	-38.1	5.8	-14.7	13.2	15.3	20.2	-45.0	5.6	9.1	16.8
133	-37.9	11.6	-13.6	18.2	19.6	25.3	-46.7	10.4	12.7	21.8
134	-37.5	8.4	-15.0	15.0	16.2	21.4	-45.4	7.6	10.2	18.5
135	-37.7	6.6	-14.8	13.8	15.5	20.8	-45.2	6.2	9.2	17.5
136	-37.4	12.1	-13.1	18.6	20.0	25.7	-46.3	10.8	13.2	22.3
137	-37.0	9.0	-14.6	15.5	16.7	22.0	-45.1	8.0	10.7	19.2
138	-37.3	7.4	-14.5	14.5	16.0	21.5	-45.0	6.8	9.8	18.2
139	-5.7	22.3	9.2	28.3	31.9	35.4	-34.4	22.6	23.1	31.9
140	-3.4	27.3	11.3	32.8	35.4	39.3	-32.9	26.7	26.2	36.0
141	-4.3	24.1	9.3	28.8	31.1	34.5	-31.8	23.5	22.9	31.6
142	-45.3	-8.9	-30.8	1.4	18.7	20.5	-48.0	-5.6	4.6	13.0
143	-43.1	-10.1	-29.7	0.2	17.6	19.4	-44.4	-5.5	3.6	11.6
144	-42.6	-11.0	-29.7	0.0	17.7	19.6	-43.9	-5.9	3.9	11.8
145	-46.9	-12.2	-32.0	-1.5	16.5	18.2	-49.2	-8.8	3.4	11.2
146	-44.8	-13.4	-31.2	-2.8	15.3	16.9	-46.1	-8.9	2.1	9.5
147	-45.5	-14.2	-31.1	-2.5	16.1	17.8	-46.1	-8.7	2.9	10.3
148	-16.7	-5.4	12.0	16.3	14.0	16.8	-76.2	-26.2	-14.9	-1.6
149	-20.6	1.5	9.0	15.9	10.1	14.2	-99.8	-27.0	-22.1	-1.5
150	-39.2	-7.4	-27.8	1.4	18.1	20.8	-44.8	-3.6	4.9	12.6
151	-16.2	23.1	-14.1	24.6	31.2	36.2	-29.5	20.5	18.9	30.1
152	-12.9	6.8	-2.0	15.3	17.3	20.6	-34.6	4.4	9.9	15.9
153	-0.3	26.0	5.4	26.1	25.1	29.5	-27.0	15.3	17.8	25.4
154	-17.0	2.8	0.7	16.4	21.8	24.6	-36.5	3.6	11.3	18.2
155	-11.8	14.4	0.5	21.4	25.0	28.6	-32.4	11.6	17.5	24.0
156	-0.4	26.4	11.9	30.6	30.6	34.5	-27.5	22.0	21.4	30.1
157	-8.9	20.0	1.4	23.5	28.1	32.2	-30.6	14.9	20.2	27.1

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Table 13 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
158	-16.5	-5.2	11.9	16.2	14.6	17.4	-76.1	-25.9	-14.4	-1.0
159	-16.7	-5.3	11.6	16.0	14.3	17.1	-76.6	-26.4	-14.8	-1.4
160	-38.7	-7.0	-27.7	1.5	18.7	21.3	-44.6	-3.6	5.3	13.0
161	-12.7	27.5	-11.2	28.5	35.0	39.7	-24.6	26.1	22.2	33.8
162	-16.5	0.8	-4.4	12.2	16.2	19.0	-33.7	-2.0	8.1	13.2
163	0.6	28.7	8.5	30.6	30.3	35.3	-26.5	21.3	22.6	30.6
164	-20.2	-0.1	-3.8	13.0	19.1	21.3	-36.0	0.8	8.9	15.1
165	-16.5	1.3	-2.7	13.5	18.3	21.0	-33.9	-0.2	9.9	15.0
166	-5.2	26.6	10.4	31.4	33.9	38.1	-33.9	22.7	23.0	33.0
167	-16.6	11.9	-2.1	20.0	25.2	28.9	-37.5	7.5	16.9	23.5
168	-16.3	-5.0	12.1	16.5	15.0	17.9	-76.1	-25.6	-13.9	-0.5
169	-16.4	-4.8	12.1	16.6	15.0	17.8	-76.9	-25.6	-14.2	-0.6
170	-39.7	-8.5	-28.3	0.3	16.7	19.5	-44.8	-4.7	3.6	11.3
171	-39.6	0.8	-31.4	7.0	20.7	24.5	-50.3	1.3	6.1	16.9
172	-11.9	7.7	1.8	19.8	21.2	24.9	-35.4	4.7	12.8	19.0
173	-6.7	24.6	3.7	28.7	28.9	33.7	-35.9	19.4	20.5	29.4
174	-17.3	0.0	-3.6	12.6	17.8	20.5	-34.4	-1.0	9.8	14.7
175	-12.9	21.8	5.8	29.4	32.7	37.1	-41.8	19.8	21.1	31.8
176	-11.3	19.6	4.8	26.7	30.9	35.6	-36.9	19.0	21.8	31.2
177	-15.8	-4.5	12.5	16.9	15.4	18.3	-75.3	-25.2	-13.4	-0.1
178	-15.2	12.6	14.5	22.9	16.9	21.8	-99.4	-10.3	-15.9	8.7
179	-39.3	-8.2	-28.1	0.6	17.0	19.8	-44.5	-4.5	4.0	11.7
180	-39.4	-7.7	-28.5	0.8	18.1	20.8	-45.4	-4.4	4.7	12.5
181	-11.4	15.7	1.9	25.0	25.8	30.4	-38.8	11.7	17.3	25.2
182	-10.1	18.2	2.9	26.7	27.2	32.1	-38.1	14.1	18.8	27.1
183	-18.9	1.1	-2.6	14.1	20.2	22.5	-34.8	1.7	10.1	16.3
184	-16.7	0.4	-3.1	13.0	18.2	20.9	-33.8	-0.6	10.1	15.1
185	-12.4	18.1	5.5	27.7	31.2	35.3	-40.4	16.8	20.0	29.9
186	-14.4	11.1	1.4	21.5	26.4	30.5	-37.7	11.6	17.4	25.8
187	-18.3	2.9	14.3	21.2	17.7	21.7	-94.5	-20.7	-15.7	4.5
188	-40.4	3.2	-30.7	8.9	23.9	27.7	-51.9	1.4	8.9	19.6
189	-13.7	15.9	1.2	26.6	27.3	31.9	-42.9	10.4	17.7	26.0

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Table 13 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
190	-17.1	15.1	2.4	26.0	30.8	34.5	-47.1	12.2	18.2	28.3
191	-18.4	8.7	-1.3	20.4	26.2	30.0	-43.8	6.9	15.8	24.3
192	-16.6	7.8	17.0	24.8	20.7	25.2	-96.4	-14.4	-13.5	8.9
193	-41.8	3.4	-32.6	9.1	23.8	27.8	-54.1	2.2	8.5	19.9
194	-13.8	17.8	1.5	28.6	28.5	33.6	-44.3	12.0	19.0	27.8
195	-18.0	16.3	3.2	27.7	32.0	36.1	-49.3	13.5	19.3	29.9
196	-19.4	9.5	-0.9	21.9	27.2	31.3	-46.2	8.4	16.9	25.9
197	-13.2	11.7	18.7	26.2	23.3	27.8	-95.2	-4.7	-9.8	13.0
198	-33.6	17.2	-28.0	17.3	28.7	32.8	-46.1	16.0	14.2	26.4
199	-6.6	28.5	3.5	32.6	33.4	38.6	-37.8	23.7	24.3	33.8
200	-6.6	32.9	9.8	37.1	39.7	44.2	-39.9	30.4	27.4	39.0
201	-14.3	25.8	0.5	30.8	35.3	40.0	-38.0	22.8	26.1	35.0
202	-17.6	0.8	12.5	19.1	15.4	19.2	-85.5	-23.7	-17.0	1.5
203	-44.7	-4.3	-34.5	2.9	19.4	22.8	-53.5	-3.1	4.3	14.3
204	-18.1	5.7	-4.5	16.9	19.9	23.6	-40.8	0.8	10.5	17.3
205	-19.7	6.1	-1.0	18.9	24.6	27.7	-44.4	4.6	12.7	21.1
206	-22.7	-1.5	-5.6	12.3	19.4	22.4	-44.4	-1.7	9.6	16.6
207	-16.6	5.5	14.5	21.2	17.9	21.9	-93.0	-10.8	-13.5	6.6
208	-32.7	12.8	-26.8	13.2	24.2	27.9	-42.1	12.8	10.8	21.5
209	-10.4	18.7	1.1	25.1	26.3	30.5	-38.7	15.6	18.1	25.8
210	-12.4	19.5	3.5	26.1	29.9	33.5	-41.4	18.6	19.1	28.5
211	-8.0	18.7	3.8	23.6	27.7	31.4	-31.0	18.7	19.2	27.4
212	-19.3	-3.3	10.2	16.0	13.0	16.2	-85.8	-27.4	-18.7	-2.4
213	-44.2	-8.4	-34.1	0.0	17.9	21.0	-52.4	-6.4	3.1	12.0
214	-17.0	8.3	-0.6	21.0	23.1	27.2	-43.3	5.0	13.7	20.9
215	-22.1	0.7	-2.3	15.4	22.5	25.5	-46.0	0.3	11.1	18.5
216	-23.4	0.4	-5.9	14.5	20.7	23.8	-44.0	-2.1	11.3	17.1
217	-18.7	0.1	12.9	19.3	15.6	19.2	-90.9	-22.6	-17.0	1.1
218	-46.3	-5.7	-36.1	2.2	19.1	22.7	-55.7	-4.0	3.7	13.9
219	-14.8	13.4	1.1	25.2	26.1	30.6	-42.9	9.7	16.4	24.3
220	-19.3	8.7	-0.8	21.7	26.7	29.8	-43.5	6.4	14.7	23.0
221	-25.3	5.0	-6.1	18.5	24.9	28.7	-45.5	3.1	15.3	22.2

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Table 13 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
222	-12.0	15.3	19.0	26.7	23.7	28.0	-91.7	2.9	-9.4	14.0
223	-44.7	-4.3	-35.1	3.1	20.1	23.8	-54.7	-3.3	4.8	15.0
224	-10.4	22.5	0.3	26.8	29.2	33.7	-40.4	19.6	20.1	29.1
225	-19.3	5.4	-1.8	18.0	24.3	27.2	-41.4	3.0	12.6	20.3
226	-19.6	6.1	-2.2	18.9	25.4	29.1	-44.9	5.7	14.8	23.3
227	-20.7	-4.3	10.2	15.6	12.2	15.3	-91.1	-26.6	-19.5	-3.4
228	-44.2	-13.6	-34.7	-5.4	12.1	14.7	-50.3	-10.7	-1.2	6.4
229	-21.8	1.5	-7.8	12.6	15.9	19.0	-44.4	-1.9	6.2	12.9
230	-23.3	-2.4	-8.9	8.4	14.3	16.3	-37.9	-2.9	4.2	10.7
231	-22.4	-6.4	-3.5	9.4	15.9	18.7	-39.7	-4.4	7.2	12.8
232	-19.3	-2.3	11.6	17.1	13.9	17.1	-90.9	-24.2	-17.8	-1.2
233	-43.4	-4.5	-33.0	3.1	19.8	23.2	-52.0	-2.4	5.3	14.8
234	-13.8	13.0	1.7	24.9	25.6	29.7	-41.9	10.0	16.1	23.6
235	-22.8	4.2	-5.2	16.6	23.8	26.5	-46.0	2.9	12.1	20.0
236	-21.9	-0.4	-6.3	12.8	18.0	21.1	-40.0	-3.2	9.4	14.6
MAXD	-52.2	54.6	-36.1	58.5	59.9	68.9	-99.8	51.4	56.0	64.9
MD	-16.4	14.7	0.3	22.5	26.6	30.4	-40.9	10.5	14.2	23.8
MAD	18.8	16.5	12.2	22.6	26.6	30.4	41.8	16.6	19.0	23.9

Table 14: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the B3LYP functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-20.8	24.5	-7.2	25.2	23.6	29.1	-16.7	24.2	21.4	28.0
2	-25.8	25.1	-10.0	26.0	24.2	30.3	-20.2	25.8	21.9	29.4
3	-22.8	22.7	-9.1	23.3	22.6	28.3	-18.4	22.9	20.3	27.1
4	-26.4	26.1	-10.4	27.0	25.2	31.5	-21.0	26.8	23.0	30.5
5	-24.4	24.8	-9.9	25.3	24.3	30.3	-19.9	24.8	22.1	29.2
6	-26.5	26.6	-10.6	27.4	25.6	32.0	-21.3	27.2	23.4	31.0
7	-24.2	25.0	-9.7	25.5	24.6	30.5	-19.9	24.9	22.3	29.4

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Table 14 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
8	-3.6	16.6	20.3	26.0	18.3	22.4	-75.9	-3.1	-6.7	11.8
9	-3.1	18.4	21.3	27.4	19.7	24.1	-77.7	0.7	-6.1	13.6
10	-14.3	0.2	13.9	18.4	12.9	16.2	-78.2	-17.0	-11.9	3.1
11	-12.0	3.2	15.1	19.7	14.5	17.9	-77.8	-13.2	-10.0	5.5
12	-3.0	17.3	20.7	26.5	19.0	23.3	-75.9	-2.4	-6.2	12.4
13	-1.4	20.3	22.9	29.2	21.5	26.0	-76.3	2.4	-3.6	16.0
14	-13.8	0.7	14.2	18.8	13.1	16.6	-78.0	-16.7	-11.2	3.5
15	-9.8	7.7	17.6	22.7	17.2	21.0	-78.5	-7.0	-7.7	9.1
16	-0.4	21.8	23.5	29.8	22.2	26.7	-75.6	2.2	-3.1	16.7
17	-1.0	20.8	23.4	29.8	22.0	26.5	-76.1	2.9	-3.3	16.8
18	-13.2	1.9	14.9	19.9	14.0	17.5	-77.7	-15.4	-10.7	5.0
19	-9.1	9.2	18.3	23.8	18.0	21.8	-78.5	-5.2	-7.2	10.2
20	0.0	22.3	23.9	30.2	22.7	27.2	-75.6	2.6	-2.7	17.3
21	14.1	35.3	19.8	35.7	37.9	39.9	10.3	34.9	34.5	37.7
22	-4.2	11.1	3.9	17.0	22.7	24.0	-4.9	15.0	19.5	22.1
23	14.6	36.5	20.6	37.4	40.1	42.0	11.3	36.0	35.7	39.7
24	12.5	34.4	18.6	35.3	37.6	39.2	8.9	33.9	33.3	37.2
25	12.6	35.5	19.0	36.3	38.5	40.4	8.7	34.9	34.3	38.6
26	12.8	33.8	18.6	34.5	37.1	38.9	9.4	33.2	33.1	37.3
27	13.8	35.0	19.4	35.3	37.9	39.8	9.9	34.3	33.8	37.8
28	15.8	37.1	21.2	37.2	39.3	41.3	12.1	36.3	35.4	39.6
29	15.1	37.2	21.1	38.0	40.7	42.6	11.9	36.6	36.5	40.4
30	15.0	39.5	21.7	39.7	41.6	43.6	11.7	38.6	37.6	41.7
31	3.7	22.8	11.5	26.8	32.0	33.5	2.2	25.6	27.9	31.3
32	14.2	39.1	20.9	39.6	41.5	43.5	10.5	38.5	37.3	41.7
33	17.1	38.4	22.4	38.4	40.6	42.8	13.2	37.1	36.8	41.2
34	16.5	37.8	21.8	37.8	39.9	41.9	12.6	36.7	36.1	39.8
35	16.5	38.8	22.4	39.6	42.3	44.2	13.0	38.1	38.0	42.1
36	16.6	42.1	23.4	42.5	44.3	46.3	12.9	41.4	40.2	44.5
37	18.6	39.9	23.8	39.9	42.1	44.3	14.8	38.6	38.2	42.0
38	3.8	34.8	12.3	33.0	33.4	38.4	-22.6	29.5	27.3	38.1
39	4.2	36.6	15.0	36.3	35.4	40.8	-25.5	32.6	28.2	37.4

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Table 14 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
40	3.9	35.2	12.5	33.6	34.2	39.5	-23.1	29.7	27.4	38.9
41	4.6	38.9	15.7	38.6	37.6	43.1	-26.1	34.9	30.5	39.9
42	4.5	35.9	13.0	34.2	34.9	40.2	-23.0	30.0	28.4	39.6
43	5.4	40.3	16.4	39.9	38.7	44.4	-25.7	36.0	31.4	41.1
44	4.3	35.8	12.8	34.0	34.8	40.2	-23.2	29.8	28.4	37.1
45	13.0	42.2	20.4	44.0	44.9	52.7	-5.0	37.5	44.2	50.0
46	-9.2	5.2	-4.1	11.5	19.7	23.7	-22.9	3.6	17.3	21.1
47	4.0	27.8	11.1	28.4	30.8	36.8	-9.4	23.2	29.3	33.9
48	13.3	46.9	22.0	49.6	49.3	58.2	-5.3	42.6	49.0	55.9
49	-8.1	14.8	0.2	20.9	27.5	32.8	-21.1	13.4	25.5	30.0
50	2.7	29.1	11.4	30.0	32.5	39.1	-12.1	25.1	30.8	35.8
51	11.8	40.7	19.8	42.3	44.2	51.7	-5.1	36.2	43.1	48.9
52	14.2	49.7	23.5	52.3	51.6	61.0	-4.2	45.5	51.8	58.5
53	-6.8	18.4	2.1	24.0	30.5	36.3	-20.5	17.1	28.6	33.4
54	2.6	30.5	12.1	31.3	33.8	40.6	-12.2	26.4	32.3	37.2
55	13.0	42.3	21.1	43.5	44.6	52.1	-3.0	37.3	44.1	49.7
56	-12.5	27.9	4.1	29.3	24.3	30.5	-19.7	23.4	22.2	28.8
57	-16.8	30.2	2.2	32.0	26.0	33.0	-23.6	26.2	24.4	31.6
58	-12.7	27.7	3.7	28.9	24.1	30.6	-19.9	23.2	22.4	28.9
59	-13.7	31.1	2.7	31.2	25.1	32.2	-23.2	25.8	23.6	31.0
60	-12.7	27.7	3.5	28.9	24.2	30.7	-20.1	23.0	22.7	29.1
61	-16.8	33.1	2.7	34.7	28.3	35.9	-24.1	29.1	26.8	34.6
62	-12.7	27.7	3.6	28.9	24.2	30.8	-20.2	23.0	22.7	29.3
63	12.8	44.8	22.1	43.6	41.0	46.4	-15.8	42.3	36.0	44.8
64	-41.5	4.6	-23.4	10.4	15.6	19.9	-32.3	10.9	12.4	18.5
65	-40.6	-0.6	-24.0	6.0	11.9	15.9	-30.9	6.6	9.4	14.9
66	-40.6	6.1	-23.1	11.5	16.6	21.1	-32.1	11.9	13.1	19.7
67	-38.8	4.8	-23.0	10.0	14.0	18.5	-31.0	10.5	11.6	17.8
68	-40.1	0.7	-23.6	7.1	12.9	17.2	-30.8	7.7	10.6	16.2
69	-40.7	6.7	-23.7	11.9	16.6	21.3	-32.8	12.2	14.2	20.4
70	-39.5	4.6	-23.5	9.8	13.9	18.5	-31.8	10.3	12.2	17.8
71	-39.9	1.0	-23.9	7.2	12.8	17.3	-31.2	7.7	10.9	16.4

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Table 14 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
72	-40.2	7.3	-23.2	12.4	17.1	21.9	-32.4	12.7	13.9	20.6
73	-39.0	5.0	-23.2	10.2	14.3	19.0	-31.5	10.5	12.7	18.1
74	-39.9	1.2	-23.9	7.4	13.0	17.6	-31.3	7.8	10.6	16.3
75	-13.9	1.1	14.7	19.2	14.5	17.8	-83.3	-16.7	-10.2	4.6
76	-11.2	5.4	16.5	21.6	16.7	20.3	-81.2	-13.1	-8.1	7.8
77	-12.3	4.2	14.2	19.2	14.6	18.2	-80.2	-13.1	-9.3	6.0
78	-12.8	2.4	15.3	19.8	15.3	18.6	-82.2	-15.6	-9.1	5.5
79	-10.8	6.5	16.8	22.3	17.2	21.0	-81.1	-11.9	-7.7	8.6
80	-10.8	5.7	15.4	20.4	15.8	19.4	-78.6	-11.6	-8.2	7.3
81	-12.6	3.1	15.3	20.3	15.5	19.0	-82.0	-14.9	-8.7	6.3
82	-10.0	7.4	17.5	23.1	17.9	21.8	-80.3	-11.0	-6.9	9.6
83	-10.8	5.8	15.8	21.1	16.3	19.9	-79.4	-12.0	-7.6	8.3
84	-11.7	4.0	16.1	21.1	16.3	19.9	-81.2	-14.0	-7.8	7.3
85	-6.9	12.8	1.4	16.1	22.2	22.9	-9.5	14.9	17.6	20.4
86	-2.6	16.4	5.5	19.7	25.6	26.4	-4.6	18.4	21.2	23.9
87	0.9	15.5	6.3	17.8	27.0	27.7	-1.6	15.9	22.5	25.2
88	-2.6	15.4	5.4	18.7	25.0	25.7	-4.2	17.4	20.4	23.3
89	-6.2	13.5	1.7	16.4	22.4	23.1	-9.1	15.2	17.7	20.8
90	-2.4	17.4	5.7	20.3	25.5	26.4	-4.0	19.3	21.0	24.0
91	-6.3	13.5	1.6	16.5	22.3	23.2	-9.1	15.3	17.7	20.8
92	-2.3	17.5	5.8	20.4	25.6	26.5	-3.8	19.4	21.2	24.2
93	-1.8	17.2	6.1	20.3	26.2	27.0	-4.1	19.0	21.6	24.5
94	-1.7	17.2	6.2	20.3	26.3	27.0	-4.0	19.0	21.7	24.4
95	-2.8	17.6	4.2	19.9	25.0	25.8	-6.0	18.9	20.4	23.2
96	-1.4	18.5	6.7	21.3	26.5	27.4	-3.0	20.4	21.9	25.1
97	-2.8	17.9	4.2	20.1	25.2	26.0	-6.1	19.3	20.6	23.5
98	2.9	17.9	7.7	19.3	27.7	28.7	0.0	17.9	23.9	26.3
99	-0.2	18.5	6.9	21.1	26.3	27.2	-2.9	19.7	22.1	24.8
100	-0.7	18.5	7.0	21.5	27.4	28.2	-3.3	20.2	23.1	26.2
101	3.0	19.5	9.1	22.0	27.0	27.8	0.5	20.1	22.9	25.5
102	-1.6	18.3	6.6	21.2	26.6	27.4	-3.3	20.0	22.3	25.3
103	-1.8	19.4	5.3	21.4	26.1	27.1	-4.9	20.6	21.7	24.9

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Table 14 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
104	-1.4	18.3	6.8	21.2	26.8	27.5	-3.1	20.1	22.3	25.4
105	-0.2	17.8	7.6	21.0	27.1	27.9	-2.1	19.5	22.7	25.7
106	-0.5	18.6	7.3	21.5	27.6	28.3	-3.0	20.2	23.3	25.7
107	-12.1	13.9	0.4	19.8	23.6	27.4	-38.7	13.0	15.6	23.3
108	-16.0	4.0	-4.0	12.4	16.9	20.1	-40.8	3.7	10.0	16.0
109	-11.1	16.4	1.3	22.0	25.2	29.3	-38.2	15.0	17.4	25.6
110	-11.0	15.5	0.5	20.1	22.7	26.6	-35.9	14.1	15.4	23.1
111	-13.9	7.7	-2.3	15.4	19.2	22.8	-39.8	6.9	12.2	18.9
112	-9.8	18.5	2.6	23.9	26.7	30.8	-37.5	16.7	19.0	27.0
113	-10.4	16.0	1.0	20.6	23.2	27.1	-35.5	14.5	16.0	23.5
114	-13.2	9.4	-1.6	16.7	20.4	24.2	-39.5	8.4	13.4	20.3
115	-9.5	18.8	2.9	24.2	27.0	31.2	-37.2	17.0	19.4	27.5
116	-10.2	16.2	1.2	20.8	23.5	27.4	-35.6	14.5	16.1	24.1
117	-13.0	9.7	-1.5	17.0	20.5	24.5	-39.5	8.6	13.7	20.7
118	-3.3	16.0	2.5	20.4	27.3	31.7	-18.3	14.1	24.5	29.1
119	-2.2	17.0	3.1	18.2	22.6	27.5	-16.6	12.8	20.7	24.8
120	-5.7	11.7	-0.5	16.8	24.6	29.0	-20.2	10.3	21.9	26.4
121	-3.6	16.8	3.0	18.4	23.1	27.8	-17.9	13.5	20.7	25.0
122	-0.2	20.0	5.2	23.8	29.7	34.8	-16.7	17.9	27.3	31.8
123	-2.1	19.0	3.5	20.4	24.3	29.5	-16.5	14.6	22.4	26.2
124	-3.3	16.6	2.2	20.5	27.7	32.3	-20.4	14.9	24.8	29.8
125	-1.7	21.2	4.7	21.9	25.6	30.6	-15.6	17.1	23.3	28.1
126	-2.8	18.4	3.3	19.4	23.6	28.6	-16.8	14.5	21.5	25.5
127	-1.0	21.1	5.6	24.8	31.0	36.1	-17.4	19.0	28.6	32.6
128	-29.4	9.3	-8.9	15.1	15.1	19.9	-33.5	9.3	11.9	18.1
129	-30.1	5.2	-10.3	11.6	11.7	16.2	-33.2	5.8	9.0	14.5
130	-28.3	10.4	-8.6	15.7	15.5	20.7	-32.9	10.1	12.9	19.3
131	-28.0	9.3	-9.6	14.4	13.9	18.9	-32.3	9.2	11.4	17.8
132	-29.1	6.5	-9.7	12.6	12.6	17.5	-32.6	7.0	10.3	16.0
133	-28.3	11.9	-8.3	17.1	16.5	22.0	-33.3	11.4	14.0	20.2
134	-28.0	9.2	-9.6	14.3	13.7	18.8	-32.4	9.1	11.9	17.9
135	-28.7	7.2	-9.7	13.1	12.9	18.1	-32.7	7.5	11.0	16.7

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Table 14 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
136	-27.8	12.3	-7.9	17.5	16.9	22.5	-33.0	11.8	14.2	20.8
137	-27.5	9.8	-9.2	14.8	14.2	19.4	-32.1	9.5	12.4	18.6
138	-28.3	7.9	-9.4	13.7	13.3	18.6	-32.5	8.0	11.2	17.5
139	-6.4	16.7	5.0	21.8	24.6	28.2	-31.1	17.1	18.9	25.8
140	-4.2	21.3	7.2	26.0	27.8	31.9	-29.7	21.0	22.3	29.4
141	-4.8	18.7	5.6	22.6	24.2	27.8	-28.5	18.3	19.2	25.7
142	-38.8	-9.2	-26.6	-0.2	13.9	15.6	-40.7	-6.0	3.6	10.2
143	-37.1	-10.4	-25.8	-1.2	12.6	14.5	-37.6	-5.8	2.5	8.6
144	-36.2	-10.5	-25.6	-1.1	12.8	14.8	-36.9	-5.7	3.1	8.7
145	-38.4	-10.5	-25.8	-1.0	13.1	14.9	-39.7	-7.0	3.8	9.8
146	-36.9	-11.6	-25.2	-2.2	11.9	13.6	-37.0	-6.9	2.5	8.2
147	-37.2	-12.0	-25.1	-1.7	12.5	14.3	-36.9	-6.5	3.3	9.0
148	-11.7	-2.6	13.3	16.7	11.5	14.0	-65.6	-22.9	-11.1	-0.5
149	-13.3	4.2	11.7	17.0	9.4	13.1	-85.5	-23.5	-16.0	0.4
150	-31.7	-6.2	-22.5	1.2	13.9	16.5	-35.6	-2.7	5.7	10.9
151	-7.8	24.7	-7.0	25.0	28.0	32.8	-18.5	22.5	20.4	28.8
152	-8.2	7.5	0.3	15.0	14.1	17.5	-26.2	5.8	10.4	14.5
153	5.4	26.5	8.5	25.7	23.0	27.6	-17.1	17.3	19.2	24.7
154	-16.7	-0.2	-2.5	11.2	14.6	17.5	-33.6	0.5	7.8	12.9
155	-7.7	13.5	1.3	19.0	20.2	24.0	-24.5	11.5	16.1	21.0
156	0.5	22.8	9.5	25.6	24.2	28.2	-23.0	18.9	18.7	25.7
157	-4.4	18.9	2.6	21.0	23.4	27.7	-22.4	14.7	19.3	24.5
158	-11.7	-2.6	13.1	16.5	11.9	14.5	-65.7	-22.9	-10.9	-0.1
159	-11.8	-2.6	13.0	16.4	11.8	14.4	-65.9	-23.0	-11.1	-0.5
160	-31.5	-6.1	-22.4	1.2	14.4	17.0	-35.6	-2.7	5.7	11.1
161	-5.4	27.8	-4.9	27.9	30.8	35.4	-14.4	27.1	22.9	31.9
162	-11.9	1.8	-2.4	11.9	12.8	15.8	-26.1	-0.3	8.1	12.3
163	4.8	27.3	10.2	28.5	26.0	31.1	-18.1	21.2	22.4	28.1
164	-19.2	-2.6	-6.5	8.3	12.6	14.9	-32.8	-1.9	5.5	10.4
165	-12.4	1.9	-1.8	12.4	14.2	17.1	-26.6	1.2	9.1	12.3
166	-4.2	22.2	7.5	25.3	26.5	30.9	-29.1	18.7	19.7	27.5
167	-10.6	12.2	-0.1	18.7	21.0	25.0	-28.0	8.7	16.6	21.8

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Table 14 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
168	-11.7	-2.6	13.2	16.6	12.2	14.8	-65.8	-22.8	-10.6	0.1
169	-11.6	-2.2	13.3	16.9	12.3	15.0	-66.2	-22.5	-10.9	0.0
170	-32.1	-7.0	-22.7	0.4	12.9	15.6	-35.5	-3.4	4.3	9.7
171	-28.6	4.1	-22.4	8.8	18.5	22.1	-36.9	4.8	9.2	17.1
172	-7.1	8.8	4.2	19.6	17.4	21.3	-26.5	6.7	13.1	17.6
173	-1.2	23.7	6.2	26.9	24.8	29.7	-25.4	19.6	20.6	26.8
174	-13.5	0.4	-2.9	11.3	13.6	16.5	-27.4	0.2	8.6	11.7
175	-11.2	17.4	2.9	23.1	25.0	29.5	-36.2	15.5	17.4	25.9
176	-7.0	18.2	5.0	23.8	25.5	30.5	-28.1	18.3	20.3	27.6
177	-11.2	-2.1	13.5	17.0	12.6	15.3	-65.1	-22.4	-10.2	0.7
178	-7.8	14.2	17.0	23.3	15.9	20.3	-84.0	-7.8	-8.9	10.5
179	-31.9	-6.8	-22.5	0.7	13.1	15.9	-35.3	-3.2	4.8	9.9
180	-32.3	-6.9	-23.3	0.3	13.7	16.3	-36.5	-3.7	4.8	10.0
181	-5.6	16.0	4.8	24.2	21.8	26.7	-28.4	13.0	18.0	23.5
182	-4.4	18.2	5.6	25.7	23.1	28.1	-27.7	15.2	19.2	25.4
183	-18.2	-1.7	-5.5	9.1	13.5	15.9	-31.8	-1.3	6.7	11.6
184	-13.1	0.7	-2.5	11.6	13.9	16.8	-26.9	0.5	8.9	12.9
185	-11.3	14.0	2.5	21.6	23.6	27.8	-35.5	12.8	16.2	24.1
186	-10.3	10.6	1.9	19.4	21.4	25.7	-29.4	11.8	16.2	22.7
187	-12.2	4.6	16.3	21.4	15.5	19.2	-80.8	-18.0	-10.6	5.6
188	-30.6	4.5	-22.8	9.5	20.6	24.4	-39.6	3.5	11.0	18.8
189	-6.8	16.8	4.9	26.4	23.7	28.4	-31.1	12.7	18.7	24.5
190	-14.9	11.8	0.2	20.8	23.7	27.6	-40.8	9.4	15.2	23.0
191	-13.1	9.1	-0.1	19.1	21.8	25.8	-34.1	8.2	15.4	21.8
192	-10.8	8.5	18.4	24.3	18.0	22.1	-82.8	-12.8	-8.6	9.2
193	-31.9	4.3	-24.5	9.3	20.3	24.2	-41.6	3.7	10.3	19.0
194	-6.9	18.3	5.2	28.0	24.6	29.9	-32.2	14.0	19.8	26.1
195	-15.9	12.5	0.7	22.0	24.3	28.6	-42.9	10.1	15.8	24.1
196	-14.0	9.7	0.4	20.4	22.5	26.8	-36.1	9.5	16.2	23.1
197	-8.2	11.4	19.9	25.6	20.3	24.3	-82.0	-4.3	-5.4	12.5
198	-25.2	15.6	-21.0	15.8	24.3	28.3	-35.0	15.0	14.9	23.8
199	-1.0	26.7	6.1	30.2	28.7	33.9	-27.1	23.0	24.2	31.3

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Table 14 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
200	-5.5	27.1	6.6	30.1	31.4	36.0	-34.2	25.1	23.5	32.5
201	-8.5	23.7	2.2	27.7	29.8	34.7	-28.2	21.7	24.5	31.4
202	-11.9	2.7	14.7	19.6	13.5	17.0	-72.7	-20.6	-11.9	2.7
203	-35.2	-2.7	-26.6	3.8	16.2	19.5	-41.6	-1.0	6.3	13.6
204	-11.5	7.4	-0.5	17.6	17.1	21.0	-30.1	3.9	11.7	16.5
205	-17.9	3.5	-2.9	14.5	18.1	21.3	-38.9	2.5	9.6	16.1
206	-17.2	0.3	-3.6	12.3	16.0	19.2	-34.7	0.9	9.7	15.0
207	-11.5	5.9	16.2	21.2	15.6	19.2	-80.1	-9.6	-8.9	7.1
208	-25.0	11.5	-20.4	11.9	20.1	23.7	-31.8	12.3	11.6	19.9
209	-4.9	18.1	3.9	23.7	22.3	26.7	-28.1	16.1	18.5	24.1
210	-11.0	15.4	1.2	20.5	22.8	26.6	-35.7	14.9	15.7	23.1
211	-4.9	16.8	3.8	20.9	22.7	26.5	-23.4	18.0	17.8	24.5
212	-13.4	-0.7	12.7	17.0	11.4	14.4	-73.0	-23.6	-13.3	-0.4
213	-34.7	-5.7	-26.2	1.7	14.8	17.9	-40.4	-3.3	5.2	11.5
214	-9.9	10.3	3.4	21.7	19.9	24.2	-31.3	8.3	15.0	20.2
215	-20.0	-1.1	-4.1	11.4	16.0	19.2	-40.4	-1.2	8.4	14.3
216	-17.2	2.0	-3.2	14.2	16.6	20.0	-33.8	1.0	10.8	15.1
217	-13.0	1.8	14.9	19.8	13.5	16.9	-78.1	-19.9	-12.0	2.2
218	-36.8	-3.9	-28.2	3.2	15.6	19.2	-43.6	-1.6	5.9	13.0
219	-8.5	14.0	4.3	24.7	22.0	26.6	-31.5	11.7	17.0	22.5
220	-17.3	5.8	-2.7	16.9	19.7	23.0	-37.7	4.2	11.8	18.2
221	-18.7	5.7	-3.7	17.2	20.2	24.2	-34.9	4.8	14.5	18.7
222	-7.1	14.4	20.1	25.9	20.7	24.6	-78.4	2.8	-5.0	13.3
223	-35.6	-2.9	-27.5	3.7	16.3	19.9	-43.0	-1.3	6.8	14.0
224	-4.7	21.2	3.1	25.0	25.0	29.7	-29.4	19.3	20.5	27.9
225	-17.7	2.7	-3.8	13.5	17.6	20.7	-36.6	0.9	9.6	15.6
226	-15.3	5.7	-1.7	17.0	20.3	24.2	-35.9	6.3	13.9	20.1
227	-14.5	-1.5	12.8	16.9	10.6	13.5	-78.0	-23.0	-14.0	-1.2
228	-33.3	-8.7	-25.5	-1.8	10.9	13.5	-37.4	-5.6	2.7	7.8
229	-14.4	4.1	-3.1	14.1	13.8	17.0	-32.8	1.9	8.4	13.0
230	-20.5	-3.2	-9.1	5.9	10.0	12.1	-33.1	-3.7	3.0	8.5
231	-16.8	-3.5	-1.2	10.2	12.6	15.7	-30.5	-0.5	7.5	12.3

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Table 14 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
232	-13.4	0.0	13.8	18.0	12.1	15.0	-77.9	-21.0	-12.7	0.6
233	-34.2	-2.6	-25.6	4.0	16.2	19.6	-40.5	-0.2	7.1	14.3
234	-7.9	13.7	4.8	24.4	21.4	25.7	-30.8	11.9	17.1	22.8
235	-20.7	1.5	-7.1	12.0	17.0	19.9	-40.4	0.6	9.2	15.8
236	-16.1	1.4	-3.7	12.7	14.2	17.6	-30.8	-0.2	9.2	12.9
MAXD	-41.5	49.7	-28.2	52.3	51.6	61.0	-85.5	45.5	51.8	58.5
MD	-11.2	14.1	2.3	20.7	22.4	26.2	-32.1	10.4	14.1	21.5
MAD	14.3	15.4	11.3	20.7	22.4	26.2	33.6	15.6	17.2	21.5

Table 15: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the B3LYP-D3 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-47.5	-2.2	-33.9	-1.6	-3.1	2.4	-43.4	-2.5	-5.3	1.3
2	-55.1	-4.2	-39.3	-3.3	-5.1	1.0	-49.5	-3.5	-7.4	0.1
3	-49.2	-3.7	-35.5	-3.0	-3.8	1.9	-44.8	-3.5	-6.1	0.7
4	-56.8	-4.2	-40.8	-3.4	-5.2	1.1	-51.4	-3.6	-7.4	0.1
5	-53.1	-3.9	-38.6	-3.4	-4.4	1.6	-48.6	-3.9	-6.6	0.5
6	-57.5	-4.4	-41.6	-3.6	-5.5	1.0	-52.3	-3.8	-7.6	0.0
7	-53.1	-4.0	-38.7	-3.5	-4.3	1.6	-48.8	-4.0	-6.7	0.5
8	-19.6	0.6	4.3	10.0	2.2	6.4	-91.9	-19.1	-22.8	-4.2
9	-20.1	1.4	4.3	10.4	2.8	7.1	-94.7	-16.3	-23.0	-3.4
10	-24.6	-10.1	3.6	8.1	2.5	5.9	-88.5	-27.3	-22.3	-7.3
11	-23.0	-7.9	4.0	8.7	3.5	6.9	-88.8	-24.2	-21.0	-5.5
12	-19.4	0.9	4.3	10.1	2.6	6.9	-92.3	-18.8	-22.6	-4.0
13	-18.8	2.9	5.6	11.8	4.1	8.6	-93.7	-15.0	-21.0	-1.4
14	-24.5	-10.0	3.5	8.1	2.4	5.9	-88.7	-27.3	-21.9	-7.2
15	-22.9	-5.4	4.5	9.7	4.2	7.9	-91.6	-20.1	-20.7	-4.0
16	-18.5	3.7	5.4	11.6	4.1	8.6	-93.7	-16.0	-21.2	-1.4

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Table 15 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
17	-18.8	3.1	5.6	12.0	4.3	8.8	-93.8	-14.9	-21.1	-1.0
18	-24.5	-9.4	3.6	8.6	2.7	6.2	-89.0	-26.7	-22.0	-6.3
19	-23.2	-5.0	4.2	9.7	3.9	7.7	-92.6	-19.3	-21.3	-3.9
20	-18.5	3.8	5.4	11.7	4.2	8.7	-94.1	-15.9	-21.2	-1.2
21	-16.5	4.7	-10.8	5.2	7.4	9.3	-20.2	4.3	3.9	7.1
22	-23.3	-8.1	-15.3	-2.1	3.6	4.8	-24.0	-4.2	0.4	3.0
23	-18.7	3.2	-12.6	4.2	6.9	8.7	-21.9	2.7	2.5	6.5
24	-19.1	2.8	-13.0	3.8	6.1	7.7	-22.7	2.4	1.7	5.6
25	-20.2	2.8	-13.8	3.5	5.8	7.7	-24.0	2.1	1.5	5.8
26	-17.8	3.2	-12.0	3.9	6.5	8.3	-21.2	2.6	2.5	6.7
27	-16.9	4.3	-11.3	4.5	7.1	9.0	-20.8	3.5	3.1	7.1
28	-15.5	5.7	-10.1	5.8	7.9	9.9	-19.2	5.0	4.1	8.3
29	-18.8	3.3	-12.8	4.1	6.8	8.7	-22.1	2.7	2.6	6.5
30	-20.6	3.8	-13.9	4.1	6.0	8.0	-23.9	2.9	1.9	6.1
31	-22.9	-3.9	-15.1	0.2	5.4	6.9	-24.4	-1.0	1.3	4.7
32	-21.2	3.7	-14.6	4.1	6.1	8.1	-24.9	3.1	1.9	6.3
33	-16.3	5.0	-11.1	5.0	7.2	9.4	-20.2	3.7	3.4	7.8
34	-15.1	6.1	-9.8	6.1	8.2	10.2	-19.0	5.1	4.5	8.2
35	-18.1	4.2	-12.1	5.1	7.8	9.7	-21.5	3.5	3.4	7.6
36	-20.1	5.4	-13.4	5.7	7.5	9.6	-23.9	4.7	3.4	7.8
37	-15.1	6.2	-9.8	6.2	8.4	10.6	-18.9	4.9	4.5	8.3
38	-32.8	-1.8	-24.4	-3.6	-3.2	1.8	-59.2	-7.1	-9.3	1.5
39	-35.2	-2.8	-24.5	-3.1	-4.1	1.3	-64.9	-6.8	-11.2	-2.0
40	-33.3	-2.0	-24.7	-3.6	-3.0	2.2	-60.3	-7.6	-9.8	1.7
41	-36.9	-2.5	-25.8	-2.8	-3.9	1.6	-67.6	-6.6	-10.9	-1.6
42	-33.1	-1.7	-24.6	-3.4	-2.7	2.6	-60.6	-7.6	-9.2	1.9
43	-37.3	-2.3	-26.2	-2.7	-4.0	1.7	-68.4	-6.6	-11.2	-1.6
44	-33.4	-1.9	-25.0	-3.7	-2.9	2.4	-60.9	-7.9	-9.3	-0.7
45	-39.5	-10.4	-32.1	-8.5	-7.6	0.1	-57.6	-15.1	-8.4	-2.5
46	-37.1	-22.7	-32.0	-16.5	-8.2	-4.3	-50.9	-24.3	-10.6	-6.8
47	-34.0	-10.3	-26.9	-9.7	-7.3	-1.2	-47.5	-14.8	-8.8	-4.2
48	-46.2	-12.7	-37.5	-10.0	-10.2	-1.3	-64.8	-17.0	-10.6	-3.7

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Table 15 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
49	-45.6	-22.6	-37.3	-16.5	-9.9	-4.6	-58.6	-24.1	-12.0	-7.4
50	-38.4	-12.0	-29.7	-11.1	-8.6	-2.0	-53.2	-16.0	-10.3	-5.3
51	-39.8	-10.9	-31.8	-9.3	-7.4	0.1	-56.7	-15.4	-8.5	-2.7
52	-48.5	-13.0	-39.2	-10.4	-11.1	-1.7	-66.9	-17.3	-10.9	-4.2
53	-48.1	-22.9	-39.2	-17.3	-10.8	-5.0	-61.8	-24.2	-12.7	-7.9
54	-40.3	-12.5	-30.9	-11.7	-9.2	-2.4	-55.2	-16.5	-10.6	-5.8
55	-38.9	-9.6	-30.8	-8.3	-7.3	0.3	-54.9	-14.6	-7.8	-2.1
56	-43.3	-3.0	-26.7	-1.5	-6.5	-0.4	-50.6	-7.4	-8.7	-2.1
57	-51.7	-4.7	-32.7	-2.9	-9.0	-1.9	-58.5	-8.7	-10.6	-3.3
58	-43.8	-3.4	-27.4	-2.1	-6.9	-0.5	-51.0	-7.9	-8.7	-2.1
59	-48.1	-3.3	-31.8	-3.2	-9.3	-2.2	-57.6	-8.7	-10.8	-3.4
60	-43.8	-3.5	-27.7	-2.3	-7.0	-0.4	-51.3	-8.2	-8.5	-2.1
61	-55.0	-5.1	-35.4	-3.4	-9.9	-2.2	-62.3	-9.1	-11.4	-3.6
62	-43.9	-3.6	-27.7	-2.4	-7.0	-0.5	-51.5	-8.3	-8.5	-2.0
63	-31.5	0.4	-22.3	-0.8	-3.4	2.1	-60.1	-2.1	-8.4	0.4
64	-65.6	-19.4	-47.5	-13.6	-8.5	-4.1	-56.4	-13.2	-11.7	-5.6
65	-61.7	-21.7	-45.0	-15.1	-9.2	-5.2	-52.0	-14.4	-11.6	-6.2
66	-65.7	-18.9	-48.1	-13.5	-8.5	-4.0	-57.1	-13.1	-12.0	-5.3
67	-60.6	-17.1	-44.8	-11.8	-7.8	-3.4	-52.8	-11.3	-10.2	-4.1
68	-61.7	-20.9	-45.3	-14.5	-8.8	-4.5	-52.5	-13.9	-11.1	-5.5
69	-66.6	-19.1	-49.5	-14.0	-9.3	-4.5	-58.7	-13.6	-11.7	-5.5
70	-61.8	-17.7	-45.8	-12.5	-8.4	-3.8	-54.1	-12.0	-10.1	-4.5
71	-62.2	-21.3	-46.1	-15.1	-9.4	-5.0	-53.4	-14.6	-11.3	-5.8
72	-66.2	-18.8	-49.3	-13.7	-8.9	-4.2	-58.5	-13.4	-12.1	-5.4
73	-61.6	-17.6	-45.8	-12.4	-8.3	-3.6	-54.1	-12.1	-10.0	-4.5
74	-62.4	-21.2	-46.3	-15.0	-9.5	-4.9	-53.8	-14.6	-11.9	-6.2
75	-25.8	-10.8	2.8	7.3	2.7	6.0	-95.2	-28.6	-22.0	-7.3
76	-25.1	-8.5	2.6	7.7	2.8	6.4	-95.1	-27.0	-22.0	-6.1
77	-25.2	-8.7	1.3	6.3	1.6	5.2	-93.1	-26.1	-22.3	-6.9
78	-25.2	-10.1	2.8	7.4	2.9	6.2	-94.6	-28.0	-21.5	-6.9
79	-25.2	-8.0	2.3	7.9	2.7	6.6	-95.5	-26.4	-22.2	-5.9
80	-24.1	-7.6	2.1	7.1	2.5	6.1	-91.9	-24.9	-21.5	-6.0

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Table 15 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
81	-25.5	-9.8	2.4	7.4	2.6	6.1	-94.9	-27.8	-21.6	-6.6
82	-24.5	-7.2	2.9	8.5	3.4	7.2	-94.8	-25.6	-21.5	-5.0
83	-24.4	-7.8	2.2	7.5	2.7	6.3	-93.0	-25.6	-21.3	-5.3
84	-24.7	-9.0	3.1	8.1	3.3	6.9	-94.2	-27.0	-20.8	-5.6
85	-29.8	-10.1	-21.4	-6.7	-0.6	0.1	-32.3	-7.9	-5.2	-2.4
86	-27.8	-8.9	-19.7	-5.6	0.4	1.1	-29.8	-6.8	-4.1	-1.4
87	-21.2	-6.6	-15.8	-4.3	4.9	5.6	-23.7	-6.2	0.4	3.1
88	-27.3	-9.3	-19.3	-5.9	0.4	1.0	-28.8	-7.2	-4.3	-1.4
89	-29.6	-9.9	-21.6	-6.9	-1.0	-0.2	-32.4	-8.1	-5.7	-2.5
90	-28.3	-8.4	-20.2	-5.6	-0.3	0.5	-29.8	-6.5	-4.8	-1.8
91	-29.7	-9.8	-21.7	-6.9	-1.1	-0.2	-32.5	-8.1	-5.6	-2.6
92	-28.1	-8.3	-20.0	-5.5	-0.2	0.6	-29.6	-6.4	-4.7	-1.7
93	-27.6	-8.6	-19.8	-5.6	0.4	1.2	-29.9	-6.8	-4.2	-1.3
94	-27.5	-8.6	-19.6	-5.5	0.5	1.2	-29.8	-6.8	-4.1	-1.4
95	-27.1	-6.7	-20.1	-4.4	0.7	1.5	-30.3	-5.4	-3.9	-1.1
96	-27.5	-7.6	-19.3	-4.7	0.4	1.3	-29.0	-5.7	-4.1	-1.0
97	-27.3	-6.6	-20.3	-4.4	0.7	1.5	-30.6	-5.2	-3.9	-1.0
98	-19.6	-4.7	-14.9	-3.2	5.2	6.1	-22.5	-4.7	1.3	3.8
99	-25.5	-6.8	-18.4	-4.2	1.0	1.9	-28.1	-5.5	-3.1	-0.5
100	-26.8	-7.6	-19.2	-4.7	1.3	2.1	-29.4	-6.0	-3.1	0.0
101	-23.1	-6.7	-17.0	-4.1	0.8	1.6	-25.6	-6.0	-3.3	-0.6
102	-27.8	-7.9	-19.6	-5.0	0.4	1.2	-29.5	-6.2	-3.9	-0.9
103	-27.2	-5.9	-20.0	-3.9	0.8	1.8	-30.2	-4.7	-3.6	-0.4
104	-27.6	-7.9	-19.4	-5.0	0.6	1.3	-29.4	-6.1	-3.9	-0.8
105	-26.4	-8.4	-18.7	-5.2	0.9	1.6	-28.3	-6.7	-3.5	-0.5
106	-26.7	-7.6	-19.0	-4.7	1.4	2.0	-29.3	-6.1	-3.0	-0.6
107	-42.7	-16.8	-30.2	-10.8	-7.0	-3.3	-69.3	-17.6	-15.0	-7.4
108	-39.9	-19.9	-27.9	-11.5	-7.0	-3.8	-64.7	-20.2	-14.0	-7.9
109	-43.6	-16.2	-31.2	-10.5	-7.4	-3.2	-70.8	-17.6	-15.2	-7.0
110	-40.2	-13.8	-28.8	-9.2	-6.6	-2.7	-65.2	-15.2	-13.9	-6.2
111	-40.3	-18.7	-28.7	-11.0	-7.2	-3.5	-66.2	-19.5	-14.1	-7.4
112	-43.9	-15.5	-31.4	-10.1	-7.3	-3.2	-71.5	-17.3	-15.0	-7.0

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Table 15 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
113	-40.1	-13.7	-28.6	-9.1	-6.5	-2.6	-65.2	-15.2	-13.6	-6.1
114	-40.7	-18.2	-29.2	-10.8	-7.2	-3.4	-67.1	-19.2	-14.1	-7.2
115	-43.6	-15.4	-31.2	-9.9	-7.2	-3.0	-71.4	-17.2	-14.8	-6.7
116	-40.5	-14.1	-29.1	-9.5	-6.8	-2.9	-65.9	-15.8	-14.3	-6.2
117	-40.8	-18.1	-29.3	-10.9	-7.3	-3.4	-67.3	-19.2	-14.1	-7.1
118	-40.2	-20.8	-34.3	-16.5	-9.6	-5.1	-55.1	-22.7	-12.4	-7.7
119	-34.4	-15.1	-29.0	-13.9	-9.5	-4.6	-48.8	-19.3	-11.4	-7.4
120	-39.6	-22.3	-34.5	-17.1	-9.4	-5.0	-54.1	-23.6	-12.0	-7.6
121	-36.3	-15.8	-29.7	-14.3	-9.6	-4.9	-50.6	-19.2	-12.0	-7.7
122	-39.0	-18.7	-33.6	-14.9	-9.0	-3.9	-55.4	-20.8	-11.5	-6.9
123	-36.0	-14.9	-30.4	-13.5	-9.6	-4.5	-50.4	-19.4	-11.5	-7.7
124	-41.3	-21.4	-35.8	-17.6	-10.4	-5.7	-58.5	-23.1	-13.2	-8.2
125	-37.0	-14.2	-30.7	-13.5	-9.8	-4.8	-51.0	-18.2	-12.0	-7.3
126	-36.2	-15.0	-30.0	-13.9	-9.8	-4.8	-50.2	-18.8	-11.8	-7.9
127	-41.9	-19.8	-35.3	-16.1	-9.9	-4.8	-58.3	-21.9	-12.3	-8.3
128	-55.8	-17.1	-35.3	-11.3	-11.4	-6.5	-60.0	-17.1	-14.5	-8.3
129	-53.7	-18.4	-33.9	-12.0	-11.9	-7.4	-56.8	-17.8	-14.6	-9.1
130	-54.8	-16.2	-35.2	-10.8	-11.0	-5.8	-59.5	-16.4	-13.6	-7.2
131	-52.4	-15.1	-34.0	-10.0	-10.5	-5.5	-56.8	-15.2	-13.0	-6.6
132	-53.4	-17.9	-34.1	-11.8	-11.7	-6.9	-56.9	-17.4	-14.1	-8.3
133	-57.0	-16.9	-37.1	-11.7	-12.3	-6.7	-62.1	-17.4	-14.8	-8.5
134	-52.7	-15.4	-34.3	-10.3	-11.0	-5.9	-57.0	-15.5	-12.7	-6.7
135	-53.8	-18.0	-34.9	-12.0	-12.3	-7.1	-57.9	-17.7	-14.2	-8.5
136	-56.8	-16.6	-36.8	-11.4	-12.0	-6.5	-61.9	-17.1	-14.8	-8.1
137	-52.9	-15.6	-34.6	-10.5	-11.2	-5.9	-57.5	-15.9	-12.9	-6.8
138	-53.9	-17.8	-35.0	-11.9	-12.3	-7.0	-58.1	-17.6	-14.4	-8.1
139	-37.7	-14.6	-26.3	-9.5	-6.7	-3.1	-62.4	-14.2	-12.4	-5.5
140	-39.0	-13.6	-27.6	-8.8	-7.1	-2.9	-64.6	-13.9	-12.5	-5.5
141	-35.5	-11.9	-25.0	-8.0	-6.4	-2.8	-59.1	-12.3	-11.5	-4.9
142	-56.2	-26.6	-44.1	-17.6	-3.6	-1.8	-58.1	-23.4	-13.8	-7.3
143	-52.8	-26.0	-41.5	-16.9	-3.0	-1.2	-53.2	-21.5	-13.2	-7.0
144	-52.4	-26.6	-41.7	-17.2	-3.3	-1.4	-53.0	-21.8	-13.0	-7.4

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Table 15 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
145	-55.7	-27.8	-43.0	-18.2	-4.1	-2.3	-56.9	-24.2	-13.5	-7.5
146	-52.3	-27.0	-40.6	-17.6	-3.5	-1.8	-52.4	-22.3	-13.0	-7.2
147	-53.3	-28.1	-41.2	-17.8	-3.7	-1.8	-53.0	-22.6	-12.8	-7.1
148	-17.8	-8.8	7.2	10.5	5.3	7.9	-71.7	-29.1	-17.2	-6.7
149	-25.6	-8.1	-0.6	4.6	-3.0	0.8	-97.9	-35.9	-28.4	-12.0
150	-43.0	-17.6	-33.8	-10.2	2.6	5.2	-46.9	-14.0	-5.7	-0.5
151	-33.2	-0.7	-32.4	-0.4	2.6	7.3	-43.9	-2.9	-5.0	3.3
152	-25.9	-10.1	-17.4	-2.7	-3.5	-0.1	-43.8	-11.8	-7.2	-3.2
153	-20.7	0.4	-17.6	-0.4	-3.1	1.5	-43.2	-8.8	-6.9	-1.4
154	-34.1	-17.6	-19.9	-6.2	-2.8	0.1	-51.1	-16.9	-9.6	-4.5
155	-32.6	-11.4	-23.6	-5.9	-4.7	-1.0	-49.4	-13.4	-8.8	-3.9
156	-26.7	-4.4	-17.7	-1.6	-3.0	1.0	-50.2	-8.3	-8.5	-1.5
157	-32.5	-9.2	-25.5	-7.1	-4.7	-0.4	-50.6	-13.4	-8.8	-3.6
158	-17.9	-8.9	6.8	10.2	5.7	8.3	-71.9	-29.1	-17.1	-6.3
159	-18.0	-8.8	6.7	10.2	5.6	8.1	-72.1	-29.2	-17.3	-6.7
160	-42.9	-17.5	-33.8	-10.2	3.0	5.6	-47.0	-14.1	-5.7	-0.3
161	-31.6	1.7	-31.0	1.7	4.7	9.3	-40.6	0.9	-3.2	5.7
162	-26.9	-13.1	-17.3	-3.1	-2.2	0.8	-41.0	-15.2	-6.8	-2.7
163	-24.5	-2.0	-19.0	-0.7	-3.2	1.8	-47.3	-8.0	-6.9	-1.2
164	-34.6	-18.0	-21.8	-7.1	-2.8	-0.4	-48.2	-17.3	-9.9	-5.0
165	-30.2	-15.9	-19.6	-5.4	-3.6	-0.7	-44.4	-16.6	-8.7	-5.5
166	-34.1	-7.7	-22.4	-4.6	-3.4	1.1	-59.0	-11.2	-10.2	-2.4
167	-37.1	-14.3	-26.6	-7.8	-5.5	-1.5	-54.5	-17.8	-9.9	-4.7
168	-18.0	-8.9	6.9	10.3	5.9	8.5	-72.1	-29.1	-16.9	-6.2
169	-18.1	-8.7	6.8	10.3	5.8	8.5	-72.7	-29.1	-17.4	-6.5
170	-43.4	-18.4	-34.0	-10.9	1.5	4.3	-46.8	-14.7	-7.0	-1.7
171	-46.6	-13.9	-40.4	-9.2	0.5	4.1	-54.9	-13.2	-8.8	-0.9
172	-27.7	-11.7	-16.4	-1.0	-3.1	0.8	-47.1	-13.8	-7.4	-3.0
173	-31.3	-6.4	-23.9	-3.2	-5.2	-0.4	-55.4	-10.5	-9.5	-3.3
174	-30.6	-16.7	-20.0	-5.8	-3.5	-0.7	-44.5	-17.0	-8.5	-5.4
175	-40.9	-12.3	-26.8	-6.6	-4.7	-0.2	-65.9	-14.2	-12.3	-3.8
176	-38.3	-13.2	-26.4	-7.5	-5.8	-0.8	-59.4	-13.0	-11.1	-3.8

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Table 15 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
177	-17.5	-8.4	7.3	10.7	6.3	9.0	-71.3	-28.7	-16.5	-5.5
178	-23.8	-1.8	1.0	7.3	-0.1	4.3	-100.0	-23.8	-24.9	-5.5
179	-43.2	-18.1	-33.8	-10.7	1.8	4.6	-46.6	-14.5	-6.5	-1.5
180	-43.9	-18.4	-34.9	-11.3	2.1	4.8	-48.1	-15.2	-6.8	-1.6
181	-32.7	-11.1	-22.3	-2.9	-5.2	-0.4	-55.5	-14.0	-9.1	-3.6
182	-32.8	-10.2	-22.8	-2.7	-5.3	-0.3	-56.1	-13.2	-9.2	-3.0
183	-33.6	-17.1	-20.9	-6.2	-1.9	0.5	-47.2	-16.7	-8.7	-3.8
184	-30.1	-16.3	-19.5	-5.4	-3.1	-0.2	-43.9	-16.5	-8.2	-4.1
185	-39.2	-13.9	-25.4	-6.2	-4.3	-0.1	-63.4	-15.0	-11.7	-3.8
186	-37.1	-16.1	-24.9	-7.3	-5.3	-1.0	-56.2	-14.9	-10.6	-4.0
187	-24.7	-8.0	3.7	8.9	2.9	6.6	-93.4	-30.6	-23.1	-7.0
188	-51.5	-16.4	-43.7	-11.4	-0.3	3.5	-60.5	-17.4	-9.9	-2.1
189	-37.3	-13.7	-25.6	-4.1	-6.9	-2.1	-61.6	-17.8	-11.8	-6.0
190	-46.4	-19.6	-31.2	-10.6	-7.8	-3.9	-72.2	-22.1	-16.3	-8.4
191	-43.0	-20.8	-30.0	-10.8	-8.1	-4.1	-64.0	-21.6	-14.5	-8.1
192	-25.3	-6.0	3.9	9.8	3.5	7.6	-97.3	-27.3	-23.1	-5.3
193	-53.4	-17.2	-46.0	-12.2	-1.2	2.7	-63.0	-17.8	-11.1	-2.5
194	-39.3	-14.1	-27.3	-4.5	-7.8	-2.5	-64.7	-18.4	-12.6	-6.4
195	-49.0	-20.5	-32.3	-11.1	-8.7	-4.5	-75.9	-22.9	-17.3	-9.0
196	-45.8	-22.1	-31.4	-11.4	-9.3	-5.0	-67.9	-22.3	-15.6	-8.7
197	-24.9	-5.3	3.3	8.9	3.7	7.6	-98.6	-21.0	-22.0	-4.1
198	-50.3	-9.4	-46.0	-9.2	-0.7	3.2	-60.0	-10.0	-10.1	-1.2
199	-36.5	-8.9	-29.4	-5.4	-6.9	-1.6	-62.6	-12.6	-11.4	-4.2
200	-44.1	-11.5	-31.9	-8.5	-7.2	-2.6	-72.7	-13.5	-15.0	-6.0
201	-46.9	-14.6	-36.1	-10.7	-8.6	-3.7	-66.5	-16.7	-13.8	-6.9
202	-22.4	-7.8	4.1	9.1	3.0	6.5	-83.3	-31.1	-22.4	-7.8
203	-52.9	-20.3	-44.2	-13.9	-1.5	1.9	-59.2	-18.6	-11.4	-4.0
204	-34.7	-15.8	-23.7	-5.6	-6.1	-2.2	-53.3	-19.3	-11.5	-6.7
205	-42.9	-21.5	-27.9	-10.5	-7.0	-3.7	-64.0	-22.5	-15.4	-8.9
206	-41.1	-23.6	-27.5	-11.6	-7.9	-4.7	-58.6	-23.0	-14.2	-8.9
207	-25.1	-7.7	2.6	7.6	2.0	5.6	-93.6	-23.2	-22.4	-6.5
208	-46.3	-9.8	-41.7	-9.4	-1.2	2.4	-53.1	-9.0	-9.7	-1.4

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Table 15 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
209	-34.9	-11.9	-26.1	-6.2	-7.7	-3.3	-58.1	-13.9	-11.4	-5.9
210	-41.4	-15.0	-29.2	-9.9	-7.6	-3.8	-66.1	-15.5	-14.7	-7.3
211	-34.5	-12.8	-25.8	-8.7	-6.9	-3.1	-53.0	-11.6	-11.8	-5.1
212	-22.1	-9.4	4.0	8.3	2.7	5.7	-81.7	-32.3	-22.0	-9.1
213	-49.4	-20.4	-40.8	-13.0	0.2	3.3	-55.1	-17.9	-9.4	-3.1
214	-35.1	-14.9	-21.8	-3.5	-5.3	-1.0	-56.5	-16.9	-10.2	-5.0
215	-40.8	-21.9	-24.9	-9.4	-4.7	-1.6	-61.2	-22.0	-12.3	-6.5
216	-40.9	-21.7	-26.9	-9.5	-7.1	-3.7	-57.5	-22.7	-12.9	-8.6
217	-23.8	-9.0	4.1	8.9	2.7	6.0	-89.0	-30.8	-22.8	-8.6
218	-53.9	-21.0	-45.3	-13.9	-1.5	2.0	-60.7	-18.7	-11.2	-4.1
219	-37.5	-15.0	-24.6	-4.3	-7.0	-2.4	-60.5	-17.3	-12.0	-6.5
220	-44.1	-21.1	-29.6	-10.0	-7.1	-3.9	-64.6	-22.7	-15.0	-8.7
221	-46.4	-22.0	-31.4	-10.5	-7.5	-3.5	-62.6	-22.8	-13.2	-9.0
222	-24.3	-2.8	2.9	8.7	3.5	7.4	-95.6	-14.4	-22.2	-3.9
223	-52.9	-20.2	-44.7	-13.5	-0.9	2.7	-60.3	-18.5	-10.5	-3.2
224	-37.5	-11.6	-29.6	-7.8	-7.8	-3.1	-62.1	-13.5	-12.3	-4.9
225	-40.5	-20.0	-26.5	-9.2	-5.1	-2.0	-59.3	-21.9	-13.1	-7.1
226	-44.0	-23.0	-30.3	-11.7	-8.4	-4.4	-64.6	-22.4	-14.8	-8.5
227	-23.4	-10.4	3.9	8.1	1.8	4.7	-86.8	-31.8	-22.9	-10.1
228	-44.6	-20.0	-36.8	-13.1	-0.4	2.2	-48.8	-16.9	-8.6	-3.6
229	-34.3	-15.8	-23.0	-5.8	-6.1	-2.9	-52.7	-18.0	-11.5	-6.9
230	-35.0	-17.7	-23.6	-8.6	-4.5	-2.3	-47.5	-18.2	-11.5	-6.0
231	-34.1	-20.7	-18.5	-7.1	-4.7	-1.6	-47.8	-17.8	-9.8	-5.0
232	-23.0	-9.5	4.2	8.4	2.5	5.4	-87.5	-30.6	-22.3	-9.0
233	-50.6	-19.0	-42.0	-12.4	-0.2	3.2	-56.8	-16.6	-9.3	-2.1
234	-35.2	-13.6	-22.5	-2.9	-5.9	-1.6	-58.1	-15.4	-10.2	-4.6
235	-43.0	-20.8	-29.4	-10.3	-5.3	-2.4	-62.7	-21.6	-13.0	-6.5
236	-37.0	-19.5	-24.6	-8.2	-6.7	-3.3	-51.7	-21.1	-11.7	-8.0
MAXD	-66.6	-28.1	-49.5	-18.2	-12.3	10.6	-100.0	-35.9	-28.4	-12.0
MD -36.4	-11.2	-23.0	-4.6	-2.9	0.9	-57.4	-14.8	-11.2	-3.7	
MAD	36.4	11.9	24.3	8.3	5.3	3.9	57.4	15.3	11.6	4.9

Table 16: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for HF. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	5.2	33.9	12.7	33.7	27.7	34.5	8.4	33.1	31.4	34.8
2	2.4	34.5	11.3	34.6	28.3	35.9	6.6	34.4	33.0	35.2
3	3.5	32.2	11.2	32.1	26.8	33.7	7.0	31.9	33.8	36.3
4	2.1	35.2	11.2	35.4	29.0	36.8	6.3	35.2	33.6	36.1
5	3.4	34.2	11.5	34.1	28.5	40.8	7.0	33.7	32.3	35.2
6	2.1	35.6	11.2	35.7	29.3	37.2	6.2	35.5	33.7	36.9
7	3.3	34.3	11.4	34.2	28.5	35.9	6.9	33.7	32.8	35.3
8	29.8	42.0	45.8	49.4	38.7	42.2	-29.5	24.8	23.7	35.8
9	29.8	42.7	46.6	50.5	40.1	43.8	-31.4	27.1	26.3	39.6
10	15.5	24.0	35.6	38.6	29.5	32.3	-38.2	7.1	14.1	24.3
11	16.8	25.7	36.4	39.5	30.6	33.4	-37.9	9.9	15.5	25.8
12	29.9	42.1	45.9	49.6	39.2	42.8	-29.8	25.1	25.0	36.4
13	31.2	44.1	48.0	52.0	41.6	45.4	-30.2	28.5	27.4	40.2
14	15.5	24.1	35.6	38.6	29.5	32.4	-38.3	7.2	14.6	24.4
15	18.9	29.2	38.8	42.2	33.3	36.3	-38.3	14.7	18.7	29.4
16	31.4	44.9	47.4	51.3	41.1	44.9	-30.5	27.5	26.0	39.0
17	31.3	44.4	48.1	52.3	41.9	45.7	-30.3	28.6	27.6	40.4
18	15.8	24.7	35.9	39.2	30.0	33.0	-38.2	7.9	15.2	25.1
19	19.5	30.4	39.5	43.0	34.0	37.2	-38.3	16.2	18.4	29.9
20	31.5	45.1	47.5	51.5	41.3	45.2	-30.7	27.6	26.5	39.1
21	40.6	56.1	43.4	56.3	54.8	57.2	39.8	56.8	54.3	56.9
22	24.5	35.5	28.7	39.6	40.8	42.4	25.8	39.5	39.2	41.7
23	40.0	56.6	43.1	57.2	55.7	57.9	39.8	57.7	54.0	57.2
24	38.1	54.2	41.1	54.8	52.8	54.8	37.7	55.3	51.6	54.6
25	40.3	57.1	43.6	57.6	55.9	58.1	39.8	58.0	54.4	57.5
26	38.8	54.2	41.9	54.8	53.1	55.2	38.5	55.2	52.1	55.1
27	40.3	55.6	42.9	55.7	54.6	57.0	39.2	56.1	53.7	56.6
28	40.8	56.4	43.5	56.5	55.0	57.3	40.0	57.0	53.9	56.7
29	40.5	57.2	43.5	57.8	56.3	58.6	40.2	58.3	54.8	58.2

Continued on next page

Table 16 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
30	40.8	59.3	44.5	59.6	57.3	59.7	40.6	60.0	56.6	59.7
31	31.5	45.1	35.5	48.0	49.0	50.8	32.2	48.2	47.6	50.1
32	41.6	60.0	45.2	60.4	58.5	60.8	41.1	60.9	57.3	60.7
33	41.3	56.9	43.9	57.1	55.5	58.0	40.1	57.3	54.0	57.7
34	40.9	56.5	43.5	56.5	55.1	57.5	39.9	56.9	54.2	57.0
35	41.7	58.6	44.7	59.2	57.7	60.0	41.3	59.6	55.8	59.3
36	43.9	62.7	47.5	63.1	61.1	64.8	43.4	63.5	60.1	62.9
37	42.4	58.1	45.0	58.3	56.7	59.2	41.3	58.4	55.1	58.6
38	21.0	41.6	24.4	39.5	37.4	43.7	1.5	37.1	37.8	42.5
39	24.1	45.7	29.1	45.1	41.5	48.2	2.3	42.5	41.8	47.4
40	21.0	41.6	24.5	39.8	37.8	44.3	1.1	37.2	38.1	43.4
41	25.1	47.8	30.2	47.4	43.8	50.7	2.6	44.5	43.9	50.2
42	21.3	42.0	24.7	40.1	38.3	44.9	1.0	37.3	38.8	44.2
43	25.9	49.0	30.9	48.5	44.8	51.8	3.1	45.5	45.0	51.5
44	20.9	41.7	24.3	39.8	38.1	44.7	0.6	36.9	38.6	44.1
45	37.1	56.6	39.1	58.3	54.8	64.5	26.1	54.0	60.4	63.6
46	9.9	21.7	11.2	25.4	29.9	35.0	3.5	20.4	32.0	34.0
47	22.3	36.2	22.4	35.1	34.2	41.9	14.0	32.6	38.5	42.0
48	39.2	61.7	42.0	64.1	59.1	70.3	27.9	59.5	66.3	70.1
49	14.8	31.3	18.1	35.5	37.3	44.0	8.9	30.6	40.5	43.5
50	23.0	38.2	23.8	37.4	36.5	44.7	13.6	34.9	41.2	44.3
51	34.5	53.4	36.9	54.9	52.7	62.4	24.4	50.8	58.4	61.6
52	40.7	64.4	43.8	66.8	61.5	73.3	29.5	62.3	68.8	72.7
53	17.1	34.7	20.5	38.8	40.5	47.8	10.8	34.2	44.3	46.8
54	23.4	39.3	24.5	38.5	37.6	47.6	13.9	36.0	42.6	45.9
55	36.5	55.3	38.5	56.4	53.6	63.2	26.8	52.3	59.5	60.7
56	12.3	36.6	21.7	37.3	28.3	35.8	11.3	34.2	32.7	36.3
57	10.5	39.0	21.8	40.2	30.1	38.8	10.7	36.9	35.0	39.7
58	11.6	36.0	21.0	36.7	27.8	35.7	10.7	33.6	31.7	35.9
59	14.0	41.2	22.6	40.3	30.7	39.5	11.7	37.6	34.9	40.1
60	11.5	35.8	20.7	36.4	27.8	35.7	10.4	33.3	31.8	36.1
61	11.2	41.5	23.0	42.7	31.9	41.4	11.2	39.4	41.2	45.3

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Table 16 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
62	11.3	35.6	20.6	36.3	27.6	35.6	10.2	33.1	31.9	36.1
63	26.5	48.3	31.0	48.0	44.3	51.2	6.0	46.7	44.9	50.9
64	-5.1	22.4	5.2	26.1	25.5	30.9	1.9	26.6	30.0	32.0
65	-5.6	18.1	4.1	22.5	22.6	27.5	1.9	23.3	24.1	25.3
66	-4.9	23.0	5.2	26.6	25.8	31.4	1.7	27.1	26.9	30.1
67	-3.9	22.2	4.8	25.3	24.0	29.4	2.4	25.9	25.1	27.4
68	-5.0	19.1	4.6	23.5	23.4	28.7	2.3	24.3	28.5	30.2
69	-5.4	22.9	4.4	26.3	25.4	31.2	0.8	26.7	27.1	28.5
70	-4.5	21.8	4.4	25.0	23.6	30.6	1.9	25.8	25.8	27.2
71	-5.3	18.9	4.0	23.2	23.0	28.5	1.6	23.8	27.5	29.5
72	-5.1	23.3	4.6	26.7	25.7	31.6	1.1	27.1	26.9	29.1
73	-4.4	21.9	4.4	25.1	23.7	29.4	1.7	25.6	26.2	27.0
74	-5.3	19.0	4.0	23.3	23.1	28.7	1.5	23.9	24.7	26.8
75	21.2	29.6	43.2	46.0	37.3	40.0	-35.6	13.6	22.0	31.4
76	22.2	31.8	43.4	46.6	38.0	41.0	-35.0	15.3	23.3	32.5
77	21.8	31.3	41.6	44.7	36.7	39.6	-33.5	15.9	22.0	31.6
78	21.2	29.8	42.8	45.8	37.3	40.0	-35.5	13.8	22.8	30.5
79	22.2	32.2	43.2	46.7	38.2	49.4	-35.2	15.8	23.0	32.8
80	22.7	32.4	42.3	45.6	37.5	40.5	-32.2	17.2	22.2	32.5
81	21.0	29.9	42.5	45.6	37.2	40.0	-35.7	13.9	22.1	31.9
82	22.7	32.8	43.7	47.2	38.7	41.8	-34.6	16.5	23.9	33.4
83	22.8	32.4	42.6	46.0	38.0	41.0	-33.0	16.7	22.7	32.3
84	21.6	30.5	43.0	46.1	37.8	40.7	-35.0	14.6	22.6	31.4
85	21.0	34.5	25.7	36.9	39.1	40.1	21.7	37.2	38.0	39.1
86	26.0	38.8	30.3	40.8	42.4	43.4	27.2	41.6	40.6	42.6
87	19.8	29.1	22.7	31.7	39.1	40.1	18.3	29.8	36.9	38.0
88	24.5	37.2	29.2	39.6	41.1	42.0	26.0	40.1	38.8	41.0
89	20.8	34.4	25.4	36.6	38.7	41.5	21.3	36.9	37.5	38.8
90	24.9	38.7	29.5	40.6	41.5	42.6	26.6	41.5	40.7	41.3
91	20.8	34.4	25.5	36.7	38.8	41.4	21.4	36.9	37.7	38.8
92	25.0	38.9	29.6	40.7	41.6	38.6	26.7	41.6	40.8	41.7
93	26.1	39.0	30.3	41.0	42.6	43.5	27.2	41.7	40.0	42.8

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Table 16 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
94	26.1	39.0	30.4	41.0	42.6	42.8	27.2	41.7	41.5	42.9
95	23.4	37.1	27.3	38.8	40.4	43.7	23.7	39.4	38.5	40.0
96	25.6	39.4	30.2	41.3	42.2	43.3	27.4	42.3	40.5	42.2
97	23.0	36.8	26.8	38.5	40.1	41.2	23.1	39.1	38.8	40.0
98	19.6	29.5	22.2	31.3	38.1	38.7	18.1	29.9	37.1	37.5
99	25.5	38.3	29.4	40.0	41.4	42.4	26.3	40.6	39.8	40.9
100	26.6	39.5	30.7	41.5	43.3	44.2	27.4	42.1	42.0	43.0
101	26.1	37.7	29.1	39.2	40.1	47.3	26.6	39.7	38.8	40.0
102	25.2	39.0	29.8	41.0	42.0	43.1	26.8	41.7	41.1	42.5
103	23.9	38.2	27.9	39.7	41.0	50.4	24.4	40.5	40.2	41.5
104	25.3	39.1	29.8	41.0	42.1	43.2	26.8	41.8	41.1	42.4
105	25.3	37.8	29.8	40.2	41.8	42.8	26.4	40.6	39.9	41.9
106	26.5	39.5	30.7	41.4	43.2	44.2	27.4	42.0	42.4	42.9
107	12.1	28.6	18.0	32.3	32.9	37.7	-6.6	28.0	32.3	36.9
108	9.7	22.3	15.2	27.4	28.8	33.0	-7.9	21.9	28.9	32.4
109	12.4	29.9	18.4	33.6	33.6	38.6	-6.7	29.0	33.9	37.6
110	11.7	28.7	17.0	31.3	30.9	35.6	-6.0	27.6	31.0	35.4
111	10.4	24.2	15.9	29.1	29.7	34.3	-8.0	23.7	30.3	33.7
112	12.7	30.9	18.8	34.5	34.1	39.3	-6.9	29.9	34.1	38.0
113	11.9	28.9	17.2	31.5	31.1	35.9	-5.8	27.9	31.2	35.8
114	10.7	25.2	16.2	29.8	30.4	35.2	-8.0	24.4	30.4	34.3
115	12.9	31.1	18.9	34.7	34.2	48.4	-6.8	30.0	35.1	38.6
116	11.8	28.9	17.0	31.5	31.0	35.9	-6.2	27.6	31.2	35.3
117	10.8	25.3	16.2	30.0	30.5	35.3	-7.9	24.6	30.6	34.3
118	17.1	30.3	19.3	34.0	36.5	42.3	9.9	30.1	39.1	41.5
119	17.7	28.2	17.2	27.8	28.7	34.6	8.8	25.2	32.3	33.7
120	15.9	28.0	17.6	31.9	35.4	41.1	9.7	28.1	38.3	39.8
121	17.7	28.6	17.9	28.6	29.8	35.6	9.1	26.3	32.9	35.0
122	19.2	32.4	21.0	35.8	37.5	43.9	10.3	32.1	41.8	43.2
123	18.5	30.1	18.1	29.8	30.0	36.6	10.0	27.0	34.1	35.7
124	17.6	30.6	18.9	33.7	36.4	42.5	8.4	30.4	39.6	41.4
125	20.0	32.5	20.0	31.7	31.8	38.2	11.7	29.6	35.6	37.6

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Table 16 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
126	18.0	29.2	17.9	28.8	29.7	35.9	9.8	26.6	33.2	35.4
127	19.6	33.7	21.5	37.0	38.8	45.5	10.7	33.3	42.4	45.1
128	2.3	24.3	14.3	28.2	23.6	29.6	4.0	25.3	27.6	31.5
129	0.9	20.7	12.9	25.3	21.0	26.4	3.5	22.6	24.9	27.9
130	3.3	25.0	14.3	28.5	24.0	30.4	4.3	25.8	28.8	31.6
131	2.9	24.0	13.2	27.2	22.4	28.5	4.0	24.8	27.1	29.8
132	1.6	21.5	13.3	26.0	21.5	27.4	3.9	23.3	26.2	28.7
133	2.7	25.5	14.4	29.1	24.0	30.7	3.8	26.2	27.8	31.9
134	2.5	23.7	12.9	26.8	21.9	28.2	3.8	24.6	26.8	29.5
135	1.6	21.8	13.1	26.2	21.5	27.7	3.6	23.4	25.5	29.1
136	3.0	25.8	14.7	29.4	24.2	31.1	4.1	26.6	28.8	32.3
137	2.7	23.9	13.0	27.0	22.1	28.5	3.8	24.7	27.1	29.8
138	1.8	22.2	13.3	26.5	21.7	28.0	3.7	23.7	26.1	29.2
139	11.5	26.4	17.1	30.3	31.7	36.3	-5.7	27.0	31.1	35.4
140	12.4	29.0	18.3	32.8	33.2	38.2	-5.6	29.2	32.9	37.0
141	11.3	26.9	16.4	29.7	29.9	34.4	-5.2	26.9	30.0	33.1
142	-6.5	11.8	0.3	18.3	26.5	28.5	-7.5	14.7	20.7	26.1
143	-7.5	9.2	-1.0	15.8	23.9	25.9	-7.0	13.4	17.9	23.2
144	-6.6	9.7	-0.6	16.4	24.1	26.3	-6.2	14.0	19.1	23.6
145	-3.4	13.5	3.8	20.3	27.6	29.7	-3.5	17.0	23.2	26.9
146	-4.6	10.9	2.3	17.8	25.1	27.1	-3.3	15.6	20.9	23.7
147	-4.0	11.7	3.0	19.1	26.0	28.1	-2.3	16.9	22.2	24.6
148	21.9	27.5	38.5	40.9	31.8	33.9	-23.5	7.9	17.6	25.2
149	23.2	34.1	39.6	43.1	32.4	35.6	-37.9	8.0	18.0	27.9
150	4.2	18.8	7.6	22.8	27.8	30.9	3.3	21.9	26.0	28.7
151	20.4	43.0	20.3	43.0	39.2	44.7	14.6	41.9	39.3	44.1
152	15.2	24.9	19.1	30.4	23.9	28.0	4.5	24.8	25.9	28.1
153	27.4	40.7	27.2	40.0	33.8	39.5	12.5	34.1	34.7	38.4
154	4.0	15.1	11.3	22.0	21.2	24.9	-8.3	15.5	19.5	22.9
155	12.8	26.1	16.4	29.8	25.9	30.6	2.6	25.4	26.9	30.1
156	15.2	30.3	19.4	31.7	27.0	31.9	-2.3	27.1	27.4	31.3
157	14.9	29.0	17.6	30.5	28.7	34.2	3.5	26.8	30.0	32.7

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Table 16 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
158	20.9	26.6	37.6	40.0	31.5	33.7	-24.4	7.2	17.5	25.0
159	21.2	27.0	37.9	40.3	31.8	33.9	-24.1	7.5	17.8	25.3
160	3.6	18.2	7.1	22.3	27.7	30.8	2.7	21.2	25.4	28.7
161	21.6	44.7	21.9	45.1	41.4	46.6	17.9	45.4	41.3	46.4
162	16.6	24.7	20.5	31.6	26.7	30.4	8.3	24.4	26.2	28.5
163	25.8	39.8	28.1	41.5	34.0	40.2	10.7	36.7	36.0	39.6
164	5.5	15.9	10.7	22.3	23.2	25.9	-3.9	16.5	21.0	23.6
165	15.3	24.4	19.7	31.1	27.6	31.3	7.5	25.6	27.9	29.2
166	13.7	31.0	19.6	32.7	30.7	36.3	-5.0	28.1	30.5	35.6
167	15.8	29.8	19.4	33.6	30.5	35.6	4.2	27.6	32.2	34.4
168	20.7	26.4	37.4	39.9	31.6	33.7	-24.8	6.9	16.9	24.8
169	21.1	27.0	37.9	40.4	32.0	34.1	-24.7	7.4	17.2	25.2
170	5.2	19.8	9.1	24.1	28.5	31.7	5.0	23.4	25.2	28.5
171	11.0	30.9	12.6	33.4	35.4	39.6	6.4	31.6	33.4	38.2
172	20.7	31.0	26.8	39.0	29.9	34.8	9.2	31.3	30.9	33.7
173	22.3	37.2	25.1	40.0	33.1	39.0	7.1	35.1	34.1	38.9
174	13.7	22.5	18.0	29.5	26.4	30.1	6.2	23.9	26.4	28.3
175	12.0	30.5	18.8	33.7	32.3	37.8	-6.1	29.0	31.1	36.4
176	18.9	34.9	24.0	38.7	35.2	41.4	5.2	36.4	36.6	38.9
177	21.1	26.7	37.8	40.2	31.9	34.1	-24.1	7.3	17.2	25.1
178	26.8	40.3	43.3	47.3	37.3	40.9	-36.6	20.2	21.1	34.7
179	5.3	19.9	9.2	24.2	28.7	31.9	5.1	23.5	25.1	28.6
180	2.4	17.0	5.9	21.2	26.7	29.8	1.3	19.9	23.8	27.4
181	25.6	38.8	30.4	44.9	36.0	42.0	11.7	38.2	37.9	41.3
182	26.5	40.3	31.1	46.0	37.0	43.2	12.3	39.6	39.2	42.6
183	5.8	16.1	11.0	22.6	23.6	26.3	-3.5	16.5	20.7	23.9
184	13.8	22.5	18.1	29.5	26.5	30.1	6.3	24.0	26.2	28.2
185	11.4	28.1	18.0	32.6	30.8	36.0	-6.0	27.3	29.8	34.3
186	15.9	29.6	20.9	35.3	31.5	37.0	3.8	31.9	32.9	36.5
187	27.9	38.2	47.6	50.9	41.4	44.5	-29.0	17.3	25.6	36.0
188	11.6	33.5	14.5	36.6	39.6	34.6	6.9	33.5	37.4	41.7
189	31.2	45.9	37.1	53.4	43.7	49.5	16.3	44.8	44.8	48.1

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Table 16 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
190	15.2	33.2	22.7	38.7	37.4	42.2	-3.4	31.4	36.3	40.8
191	20.3	35.0	25.6	41.6	38.3	43.1	6.8	35.7	40.6	43.2
192	29.1	40.9	49.3	53.2	43.6	47.1	-30.8	21.2	28.2	39.3
193	11.1	32.8	13.6	36.1	39.4	33.2	6.0	33.0	37.8	41.3
194	31.9	47.4	37.6	54.9	44.6	51.1	16.3	46.2	47.4	49.3
195	14.5	33.4	23.0	39.3	37.4	42.7	-4.8	31.7	37.6	41.4
196	20.1	35.8	26.4	43.0	38.4	44.0	5.9	37.1	42.4	44.4
197	25.0	36.3	46.6	50.2	41.4	44.7	-35.7	22.1	26.3	37.7
198	7.9	32.6	9.7	34.0	36.6	41.2	2.8	32.8	34.8	39.8
199	28.6	44.6	31.0	48.3	42.1	48.5	12.2	43.1	44.8	48.2
200	17.5	38.4	23.4	40.9	39.5	45.0	-3.0	37.1	39.1	44.5
201	20.6	39.7	24.7	43.0	40.6	46.7	7.9	39.2	44.6	45.6
202	26.8	36.0	45.7	48.9	39.4	42.3	-22.9	15.2	24.1	33.0
203	8.2	27.8	12.3	32.6	36.5	40.4	6.1	30.4	34.6	37.6
204	25.3	37.1	30.9	45.0	37.6	42.4	14.9	36.7	37.5	40.8
205	10.5	25.1	18.7	32.3	31.5	35.6	-3.9	24.8	30.7	34.1
206	16.3	28.1	22.6	35.9	33.1	37.2	5.8	30.2	33.9	35.9
207	24.5	34.6	45.7	48.9	39.7	42.7	-31.4	20.7	25.1	35.0
208	6.9	28.8	9.0	30.1	32.4	36.5	4.3	30.5	31.5	35.7
209	25.5	39.0	29.4	43.8	37.0	42.6	11.9	39.2	39.9	42.6
210	12.7	29.8	18.7	32.9	31.9	36.7	-4.4	29.7	32.4	37.1
211	16.8	30.8	20.5	34.0	31.4	36.4	5.5	33.4	35.7	38.0
212	25.2	33.0	43.5	46.3	37.1	39.5	-23.7	12.3	21.4	29.7
213	7.6	25.5	11.6	30.4	34.4	38.0	6.0	28.6	32.8	35.7
214	27.9	40.5	35.4	49.3	40.2	45.4	15.8	41.4	41.3	44.4
215	8.9	21.5	17.5	29.6	29.7	33.6	-5.3	22.0	29.7	32.3
216	16.9	29.2	24.3	37.8	33.2	37.6	7.9	30.7	34.3	35.7
217	26.7	35.6	46.3	49.6	39.9	42.6	-27.2	15.5	24.5	33.6
218	6.2	26.5	10.2	31.4	35.0	39.3	3.8	29.5	32.7	36.5
219	28.9	42.9	36.0	51.5	41.7	47.3	15.5	43.5	42.8	46.0
220	12.1	27.1	19.3	34.9	33.4	37.3	-1.3	26.8	32.3	35.3
221	17.0	32.0	24.3	40.0	36.5	41.6	7.9	33.2	38.0	40.0

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Table 16 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
222	25.6	38.1	46.9	50.4	41.9	45.0	-32.7	27.9	27.3	37.9
223	6.1	26.3	9.8	31.0	34.9	38.9	3.3	28.8	33.0	36.6
224	26.9	41.9	30.3	45.9	41.0	46.9	12.5	42.2	42.7	46.2
225	8.1	21.8	15.1	29.0	28.9	32.6	-4.7	21.0	27.1	30.3
226	16.5	30.3	23.0	38.4	35.6	40.4	4.1	32.8	38.4	40.4
227	25.6	33.3	44.6	47.4	37.6	40.0	-27.3	13.1	22.6	30.7
228	5.7	20.4	9.1	24.6	28.4	31.4	4.5	23.3	27.1	29.8
229	21.4	32.6	27.6	40.5	33.3	37.2	11.2	32.9	33.0	35.9
230	4.2	15.1	9.1	20.7	22.0	24.5	-4.8	14.8	20.5	23.3
231	13.5	23.1	22.9	32.3	27.6	31.6	5.9	27.6	28.7	30.0
232	25.1	33.0	44.2	47.0	37.5	40.0	-28.4	13.4	22.0	30.5
233	7.2	26.6	11.0	31.1	34.6	38.5	5.0	29.6	32.6	36.6
234	28.2	41.6	35.6	50.5	40.3	45.6	15.0	42.7	41.7	44.7
235	7.6	21.8	13.8	28.8	29.8	33.4	-5.7	21.7	29.1	32.6
236	15.8	27.0	22.1	34.9	29.8	34.0	7.7	28.1	30.8	32.2
MAXD	43.9	64.4	49.3	66.8	61.5	73.3	43.4	63.5	68.8	72.7
MD	17.5	33.4	25.1	38.2	35.4	39.9	2.7	30.7	33.5	37.8
MAD	18.2	33.4	25.1	38.2	35.4	39.9	15.4	30.7	33.5	37.8

Table 17: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the O3LYP functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-22.8	23.3	-10.1	23.9	21.8	28.4	-18.3	23.1	20.2	27.7
2	-28.0	23.9	-13.1	24.7	22.2	29.5	-22.0	24.6	20.4	28.7
3	-24.7	21.5	-12.0	22.1	20.8	27.5	-19.9	21.8	19.1	26.4
4	-28.5	25.1	-13.5	25.8	23.2	30.7	-22.7	25.7	21.3	30.1
5	-26.2	23.8	-12.7	24.3	22.5	29.7	-21.4	23.9	20.7	28.7
6	-28.5	25.6	-13.6	26.4	23.6	31.3	-22.9	26.2	21.8	30.5
7	-25.9	24.1	-12.4	24.5	22.9	30.0	-21.2	24.1	20.9	29.0

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Table 17 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
8	-10.2	9.7	12.4	18.7	10.8	15.5	-81.5	-10.8	-13.6	5.4
9	-9.1	12.1	14.1	20.7	12.8	17.8	-82.5	-6.7	-12.1	7.9
10	-22.2	-8.1	4.3	9.2	3.3	7.2	-84.9	-26.1	-21.0	-5.9
11	-19.0	-4.2	6.4	11.5	5.9	9.8	-83.5	-21.4	-18.4	-2.8
12	-9.3	10.7	13.2	19.5	11.8	16.7	-81.1	-9.8	-12.5	6.4
13	-7.3	14.2	15.8	22.7	14.6	19.8	-81.0	-4.9	-10.3	10.1
14	-21.7	-7.5	4.6	9.6	3.6	7.6	-84.6	-25.7	-20.5	-5.5
15	-16.5	0.7	9.4	14.9	9.1	13.3	-83.7	-14.9	-15.9	1.5
16	-6.5	15.5	16.0	22.9	15.1	20.3	-80.5	-4.9	-9.9	10.6
17	-6.8	14.8	16.3	23.4	15.2	20.4	-80.8	-4.3	-9.8	10.9
18	-21.1	-6.3	5.3	10.7	4.4	8.5	-84.3	-24.5	-19.9	-4.0
19	-15.6	2.4	10.3	16.2	9.9	14.4	-83.5	-12.8	-15.2	2.9
20	-6.0	16.1	16.5	23.4	15.6	20.8	-80.3	-4.4	-9.3	11.3
21	11.3	31.9	15.7	32.2	34.4	36.5	7.8	31.5	30.2	34.6
22	-8.0	6.4	-1.5	12.1	17.5	18.9	-8.6	10.1	13.2	16.1
23	12.1	33.3	16.5	33.9	36.4	38.5	9.1	32.7	31.8	36.2
24	10.0	31.2	14.6	31.9	34.0	35.9	6.7	30.8	29.5	33.8
25	10.1	32.4	15.0	33.0	35.0	37.1	6.5	31.8	30.6	35.1
26	10.3	30.5	14.6	31.0	33.4	35.4	7.0	29.9	29.2	33.3
27	11.3	31.9	15.5	32.0	34.5	36.6	7.6	31.1	30.3	34.7
28	13.5	34.1	17.6	34.1	36.1	38.3	10.1	33.5	32.1	36.4
29	12.7	34.2	17.1	34.6	37.1	39.2	9.7	33.5	32.5	37.0
30	12.5	36.2	17.6	36.2	37.9	40.2	9.5	35.3	33.5	38.1
31	0.4	18.8	6.6	22.5	27.4	29.0	-0.9	21.4	22.6	26.2
32	12.0	36.3	17.1	36.5	38.2	40.5	8.6	35.6	33.7	38.6
33	14.4	35.1	18.4	35.0	37.0	39.5	10.9	34.0	33.2	37.7
34	14.3	35.0	18.3	34.9	36.8	39.1	10.8	34.1	32.8	36.9
35	14.1	35.8	18.5	36.2	38.6	40.8	10.9	35.0	33.9	38.5
36	14.5	39.4	19.6	39.5	41.0	43.3	11.0	38.6	36.4	41.4
37	16.0	36.7	19.9	36.6	38.6	41.1	12.5	35.5	34.8	39.2
38	2.1	33.0	10.5	31.6	31.4	37.3	-23.5	27.7	24.7	34.5
39	2.0	34.4	12.5	34.3	32.5	38.9	-26.8	30.4	25.6	36.4

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Table 17 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
40	2.3	33.5	10.8	32.2	32.2	38.4	-23.8	28.0	25.7	35.5
41	2.2	36.5	13.1	36.5	34.5	41.1	-27.6	32.4	27.2	38.3
42	3.1	34.3	11.4	32.9	33.0	39.3	-23.6	28.5	26.6	36.6
43	3.0	37.9	13.8	37.8	35.5	42.3	-27.2	33.6	28.4	40.1
44	3.0	34.3	11.2	32.8	33.0	39.3	-23.7	28.4	26.6	36.6
45	8.9	38.7	16.4	41.1	41.7	50.5	-8.1	34.6	41.0	47.5
46	-15.3	-0.3	-10.2	6.2	14.6	19.0	-28.2	-2.1	11.6	15.8
47	1.2	25.2	8.1	26.4	28.4	35.3	-11.5	21.0	27.4	32.7
48	8.8	43.3	17.5	46.4	45.6	55.9	-8.8	39.5	45.6	52.0
49	-14.2	9.4	-6.1	15.8	22.3	28.2	-26.4	7.9	19.8	24.9
50	-0.3	26.4	8.1	27.8	29.7	37.3	-14.5	22.5	28.8	34.6
51	8.3	37.8	16.4	40.0	41.5	50.1	-7.6	33.8	40.7	47.1
52	9.7	46.1	18.9	49.2	47.8	58.7	-7.6	42.4	48.2	56.0
53	-12.7	13.2	-4.1	19.0	25.2	31.8	-25.6	11.7	22.7	28.3
54	-0.3	27.9	8.8	29.2	31.1	38.8	-14.4	24.0	30.0	35.9
55	9.9	39.8	17.9	41.6	42.2	50.9	-5.1	35.2	41.8	48.2
56	-14.3	26.6	1.7	28.0	22.5	29.5	-21.8	22.1	20.4	28.3
57	-18.8	28.9	-0.4	30.7	23.9	32.0	-26.0	24.8	21.9	30.4
58	-14.3	26.6	1.4	27.8	22.4	29.7	-21.8	22.1	20.5	28.3
59	-15.6	30.1	0.3	30.2	23.3	31.4	-25.2	24.6	21.5	30.1
60	-14.2	26.7	1.3	27.8	22.5	30.0	-21.9	22.0	20.6	28.5
61	-19.0	31.8	-0.2	33.4	26.0	34.7	-26.7	27.6	24.0	33.3
62	-14.1	26.8	1.5	27.9	22.6	30.0	-21.9	22.0	20.7	28.5
63	11.8	43.6	20.6	42.5	39.0	45.4	-15.9	41.1	34.3	44.5
64	-44.1	2.4	-27.2	8.2	12.8	18.0	-35.0	8.3	9.6	16.4
65	-43.5	-3.1	-28.0	3.4	8.8	13.6	-33.9	3.8	6.1	12.1
66	-43.1	4.0	-26.8	9.4	13.7	19.2	-34.8	9.5	10.4	17.7
67	-42.0	1.9	-27.2	7.3	10.8	16.1	-34.2	7.4	8.2	15.0
68	-42.9	-1.8	-27.5	4.6	9.8	15.0	-33.7	4.8	7.3	13.6
69	-43.3	4.7	-27.4	9.8	13.8	19.5	-35.5	9.8	10.4	18.1
70	-42.6	1.9	-27.7	7.2	10.6	16.2	-34.9	7.3	7.9	14.7
71	-42.6	-1.4	-27.7	4.8	9.8	15.1	-34.1	4.9	7.0	13.7

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Table 17 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
72	-42.6	5.3	-26.9	10.4	14.3	20.1	-35.0	10.3	10.9	18.9
73	-42.0	2.4	-27.3	7.7	11.0	16.6	-34.6	7.6	8.5	15.5
74	-42.6	-1.2	-27.7	5.1	9.9	15.4	-34.1	5.1	7.3	14.1
75	-18.7	-4.1	8.0	12.8	7.7	11.5	-87.0	-23.2	-17.0	-2.2
76	-15.6	0.8	10.2	15.8	10.3	14.5	-84.6	-19.1	-14.4	1.6
77	-17.1	-0.8	7.6	13.1	7.8	12.0	-83.9	-19.4	-16.3	-0.8
78	-17.4	-2.5	8.8	13.7	8.7	12.5	-85.6	-21.9	-15.7	-0.8
79	-15.1	2.1	10.6	16.7	10.9	15.3	-84.4	-17.7	-14.3	2.9
80	-15.6	0.9	8.9	14.4	9.1	13.2	-82.3	-17.7	-15.1	1.2
81	-17.1	-1.7	8.9	14.3	8.9	13.0	-85.4	-21.0	-15.7	-0.2
82	-14.2	3.0	11.4	17.5	11.7	16.1	-83.5	-16.7	-13.4	3.7
83	-15.5	1.0	9.2	15.1	9.6	13.7	-83.0	-18.1	-14.9	1.7
84	-16.1	-0.7	9.8	15.2	9.8	13.9	-84.4	-20.0	-14.7	1.1
85	-9.4	9.6	-2.9	12.4	18.4	19.2	-12.2	11.3	12.9	16.3
86	-4.7	13.8	1.5	16.3	22.2	23.1	-6.9	15.4	16.9	20.2
87	-0.2	13.6	3.8	15.7	24.8	25.6	-2.9	13.7	19.7	22.8
88	-4.8	12.6	1.3	15.3	21.5	22.2	-6.4	14.2	16.1	19.5
89	-8.7	10.5	-2.5	12.9	18.6	19.5	-11.7	11.7	13.2	16.6
90	-4.5	14.8	1.7	16.9	22.0	22.9	-6.2	16.3	16.7	20.1
91	-8.8	10.5	-2.6	12.9	18.5	19.5	-11.8	11.8	13.2	16.6
92	-4.3	14.9	1.8	17.0	22.1	23.1	-6.1	16.4	16.8	20.3
93	-3.8	14.7	2.1	17.0	22.9	23.8	-6.2	16.1	17.6	21.2
94	-3.7	14.8	2.3	17.0	23.1	23.8	-6.1	16.1	17.6	21.2
95	-5.1	15.0	0.4	16.8	21.7	22.6	-8.4	15.8	15.7	19.7
96	-3.4	16.0	2.8	18.1	23.0	24.0	-5.1	17.4	17.5	21.6
97	-4.9	15.5	0.5	17.3	22.0	23.0	-8.3	16.4	16.0	20.3
98	1.7	16.1	5.2	17.2	25.5	26.5	-1.1	15.9	20.7	23.7
99	-2.4	16.0	3.0	17.9	23.0	24.0	-5.1	16.8	17.6	21.2
100	-2.6	16.1	3.2	18.3	24.2	25.1	-5.3	17.4	18.5	22.5
101	1.0	17.1	5.3	18.9	23.7	24.6	-1.7	17.5	18.4	22.2
102	-3.5	15.9	2.7	18.0	23.1	24.1	-5.4	17.1	17.6	21.4
103	-3.8	17.2	1.8	18.7	23.1	24.2	-6.9	17.9	17.3	21.7

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Table 17 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
104	-3.3	15.9	2.9	18.0	23.3	24.1	-5.3	17.1	17.6	21.3
105	-2.2	15.2	3.6	17.7	23.6	24.5	-4.2	16.5	18.1	21.8
106	-2.3	16.3	3.5	18.4	24.4	25.2	-5.0	17.4	18.8	22.6
107	-14.3	11.2	-2.3	17.2	20.2	24.7	-40.5	9.9	11.9	20.8
108	-19.0	0.4	-7.3	9.2	13.0	16.7	-43.3	-0.3	5.3	12.4
109	-13.2	14.0	-1.3	19.6	21.8	26.7	-39.9	12.1	13.7	22.8
110	-13.5	12.9	-2.5	17.5	19.1	23.7	-38.0	11.0	11.3	20.1
111	-16.7	4.4	-5.4	12.4	15.4	19.6	-42.1	3.3	8.0	15.6
112	-12.0	16.1	0.0	21.6	23.3	28.3	-39.1	14.0	14.8	24.7
113	-12.9	13.4	-1.9	17.9	19.5	24.2	-37.5	11.5	11.7	20.9
114	-16.0	6.2	-4.8	13.8	16.6	21.0	-41.8	4.8	8.7	16.9
115	-11.5	16.5	0.4	22.0	23.7	28.6	-38.7	14.3	15.2	24.9
116	-12.5	13.7	-1.7	18.3	19.9	24.5	-37.5	11.6	11.9	20.8
117	-15.8	6.6	-4.6	14.1	16.7	21.3	-41.7	5.1	9.0	17.6
118	-7.1	12.9	-1.7	17.0	23.9	29.0	-21.5	10.7	20.7	25.4
119	-4.2	15.3	0.4	16.4	20.3	25.8	-18.2	11.0	18.6	22.9
120	-10.2	7.7	-5.4	12.8	20.7	25.7	-24.0	6.1	17.6	22.1
121	-5.5	15.2	0.3	16.6	20.9	26.2	-19.4	11.7	18.8	22.9
122	-3.7	17.1	1.1	20.6	26.4	32.2	-19.6	14.8	23.7	28.6
123	-5.0	16.5	-0.2	17.8	21.2	27.1	-19.1	11.8	19.7	24.3
124	-6.9	13.5	-1.9	17.1	24.2	29.6	-23.4	11.6	21.0	25.8
125	-3.9	19.4	1.7	20.0	23.2	28.9	-17.5	15.2	21.1	25.9
126	-4.8	16.7	0.6	17.7	21.3	27.1	-18.4	12.7	19.6	23.7
127	-4.3	18.3	1.6	21.8	27.8	33.7	-20.1	16.0	24.7	30.3
128	-31.6	7.3	-11.7	13.2	12.5	18.0	-36.4	6.8	8.8	15.9
129	-32.4	3.0	-13.3	9.4	8.9	14.0	-36.3	3.2	5.8	12.1
130	-30.4	8.4	-11.5	13.9	12.9	18.9	-35.8	7.6	9.8	17.2
131	-30.7	6.8	-12.8	12.1	11.0	16.7	-35.6	6.3	8.2	15.4
132	-31.3	4.4	-12.6	10.6	9.9	15.4	-35.5	4.4	7.2	13.7
133	-30.5	10.0	-11.3	15.2	13.8	20.1	-36.2	9.0	10.3	18.2
134	-30.7	6.8	-12.9	12.1	10.7	16.6	-35.6	6.3	8.0	15.4
135	-30.9	5.1	-12.6	11.2	10.1	16.0	-35.6	4.9	7.3	14.3

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Table 17 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
136	-30.0	10.5	-10.7	15.7	14.2	20.6	-35.8	9.4	10.9	18.9
137	-30.2	7.4	-12.5	12.6	11.2	17.2	-35.3	6.7	8.5	16.0
138	-30.5	5.9	-12.3	11.8	10.6	16.6	-35.4	5.6	7.9	14.8
139	-7.4	15.3	3.4	20.3	22.3	26.5	-31.6	15.2	16.2	24.1
140	-5.0	20.1	5.6	24.7	25.4	30.2	-30.1	19.3	19.2	28.0
141	-6.0	17.3	3.7	21.0	21.6	25.8	-29.2	16.5	15.8	23.8
142	-44.2	-14.7	-33.3	-5.9	7.6	9.7	-46.4	-12.0	-3.7	3.7
143	-42.8	-16.0	-32.6	-7.1	6.3	8.5	-43.5	-11.8	-4.8	1.9
144	-41.6	-15.9	-32.0	-6.7	6.9	9.1	-42.4	-11.4	-4.0	2.8
145	-43.9	-16.0	-32.6	-6.8	7.0	9.1	-45.5	-12.9	-3.5	3.5
146	-42.5	-17.1	-32.1	-8.1	5.8	7.7	-42.9	-12.9	-4.8	1.6
147	-42.7	-17.5	-31.8	-7.6	6.4	8.6	-42.5	-12.3	-3.9	2.5
148	-20.6	-11.7	2.6	6.1	0.8	3.8	-73.3	-32.5	-21.6	-11.0
149	-23.5	-6.2	0.3	5.9	-1.8	2.6	-94.2	-34.0	-26.6	-9.8
150	-39.3	-14.2	-30.9	-6.5	5.9	9.0	-42.7	-10.3	-4.2	2.4
151	-11.6	21.0	-11.6	21.4	24.0	29.8	-21.8	18.9	15.9	25.7
152	-13.2	2.4	-5.1	10.2	8.6	12.6	-30.5	0.8	4.2	9.4
153	2.2	23.4	5.1	23.0	19.9	25.2	-19.5	14.6	15.8	22.2
154	-22.6	-6.5	-8.4	5.5	8.1	11.5	-38.8	-5.7	0.3	6.4
155	-11.8	9.4	-2.8	15.4	16.3	20.6	-27.8	7.8	11.6	17.2
156	-2.3	19.9	6.7	23.0	20.9	25.7	-25.0	16.1	15.2	22.8
157	-8.0	15.3	-1.1	18.0	20.1	25.1	-25.4	11.4	15.4	21.6
158	-20.3	-11.3	2.7	6.2	1.6	4.6	-73.1	-32.1	-20.8	-10.1
159	-20.4	-11.4	2.5	6.1	1.4	4.4	-73.4	-32.3	-21.0	-10.3
160	-38.8	-13.7	-30.6	-6.2	6.5	9.7	-42.4	-10.1	-3.7	2.8
161	-9.1	24.3	-9.5	24.4	26.8	32.4	-17.7	23.7	18.4	28.6
162	-18.1	-4.6	-9.0	5.8	6.3	9.8	-31.6	-6.4	0.7	5.2
163	1.6	24.0	6.4	25.3	22.2	28.2	-20.6	18.2	18.6	25.6
164	-25.7	-9.5	-13.0	2.0	5.7	8.5	-38.6	-8.6	-2.2	3.2
165	-19.3	-5.0	-8.8	5.8	7.2	10.6	-32.8	-5.5	1.1	5.8
166	-7.4	18.6	4.3	22.3	22.8	28.0	-31.5	15.2	15.7	24.8
167	-15.6	7.2	-5.3	14.2	16.1	20.7	-32.4	4.0	10.9	16.7

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Table 17 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
168	-20.1	-11.1	2.9	6.5	2.0	5.1	-73.0	-31.9	-20.4	-9.7
169	-20.0	-10.8	3.0	6.7	2.1	5.2	-73.5	-31.7	-20.4	-9.4
170	-39.8	-14.9	-31.3	-7.3	4.6	7.9	-42.7	-11.0	-5.4	1.1
171	-36.4	-3.9	-31.0	1.2	10.2	14.6	-44.1	-3.0	-0.4	8.9
172	-13.1	2.6	-2.2	13.7	10.7	15.2	-31.7	0.8	5.5	11.0
173	-5.1	19.8	1.8	23.2	20.5	26.3	-28.4	15.8	15.9	23.5
174	-20.1	-6.3	-9.7	4.9	6.7	10.1	-33.4	-6.4	1.0	5.4
175	-16.0	12.4	-1.8	18.7	19.7	25.0	-40.1	10.5	11.8	21.4
176	-11.3	13.7	0.3	19.5	20.6	26.3	-31.9	13.8	15.3	23.4
177	-19.6	-10.6	3.3	6.9	2.4	5.5	-72.2	-31.4	-20.0	-9.1
178	-15.8	6.0	7.7	14.5	6.8	11.9	-90.5	-16.5	-18.4	1.6
179	-39.5	-14.6	-31.0	-7.0	4.9	8.2	-42.4	-10.7	-5.1	1.4
180	-39.5	-14.3	-31.3	-6.9	6.0	9.2	-43.2	-10.9	-4.3	2.3
181	-11.4	10.0	-1.5	18.6	15.3	21.0	-33.3	7.4	10.6	17.5
182	-10.0	12.4	-0.4	20.3	16.8	22.7	-32.3	9.7	12.3	19.5
183	-24.5	-8.4	-11.9	3.0	6.7	9.6	-37.4	-7.8	-1.1	4.5
184	-19.6	-5.8	-9.2	5.3	7.1	10.5	-32.7	-5.9	1.4	5.8
185	-16.6	8.4	-2.8	16.7	17.6	22.5	-39.9	7.3	9.7	18.7
186	-15.6	5.2	-3.8	14.1	15.4	20.4	-34.2	6.3	9.8	17.1
187	-19.9	-2.9	6.4	12.0	5.6	9.9	-87.4	-26.5	-20.1	-3.8
188	-36.7	-1.2	-30.2	3.3	13.4	18.0	-45.6	-2.6	2.3	11.3
189	-13.1	10.9	-2.3	20.0	16.3	22.0	-37.0	6.4	10.7	17.9
190	-20.2	6.7	-5.5	15.5	17.4	22.0	-45.7	3.8	8.3	17.3
191	-18.5	3.9	-6.2	13.5	15.5	20.2	-39.3	2.6	8.5	16.0
192	-18.2	1.4	8.9	15.3	8.4	13.3	-89.0	-20.8	-17.8	0.3
193	-37.8	-1.2	-31.7	3.4	13.3	18.1	-47.4	-2.3	2.1	11.6
194	-12.8	12.7	-1.7	22.0	17.5	23.8	-37.7	8.1	12.0	19.7
195	-21.0	7.5	-4.9	16.7	17.9	23.1	-47.6	4.6	8.9	18.5
196	-19.6	4.4	-6.0	14.6	15.8	21.0	-41.5	3.7	9.1	16.9
197	-12.1	7.2	14.0	20.2	14.5	19.0	-84.5	-9.7	-11.2	7.1
198	-27.4	13.6	-24.4	13.6	21.3	26.0	-36.8	12.7	10.9	21.4
199	-3.6	24.0	2.5	27.4	24.9	31.1	-29.2	20.1	20.2	28.4

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Table 17 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
200	-7.5	25.0	4.0	27.9	28.3	33.7	-35.6	22.6	20.1	30.5
201	-11.0	21.5	-1.0	25.3	26.8	32.5	-30.3	19.1	21.2	29.1
202	-20.3	-5.3	4.2	9.5	3.0	7.1	-80.2	-29.5	-21.6	-6.8
203	-42.3	-9.6	-35.1	-3.7	8.0	12.0	-48.7	-8.4	-3.2	5.4
204	-18.2	1.0	-8.0	10.8	9.7	14.3	-36.4	-2.8	3.7	9.5
205	-23.9	-2.5	-9.3	8.3	11.0	14.9	-44.7	-4.0	2.3	9.5
206	-23.1	-5.6	-10.3	5.9	9.0	12.8	-40.6	-5.5	2.3	8.5
207	-16.9	0.3	8.9	14.3	8.1	12.2	-84.2	-16.5	-16.2	0.1
208	-27.6	8.9	-24.3	9.0	16.5	20.8	-34.1	9.7	7.1	16.3
209	-8.2	14.6	-0.4	20.1	17.8	23.0	-30.8	12.4	13.4	20.2
210	-13.7	12.3	-2.1	17.4	18.8	23.2	-37.9	11.5	11.4	19.9
211	-7.4	14.3	0.5	18.0	19.3	23.7	-25.5	15.3	14.2	21.3
212	-21.8	-8.9	2.1	6.8	1.0	4.4	-80.4	-32.6	-23.3	-10.2
213	-42.3	-13.3	-35.1	-6.4	6.2	9.8	-47.9	-11.1	-4.8	2.8
214	-16.5	3.7	-4.0	14.9	12.3	17.3	-37.4	1.6	6.8	13.0
215	-26.0	-7.5	-10.6	5.1	8.9	12.6	-46.0	-7.8	0.9	7.2
216	-24.4	-5.0	-10.9	7.1	8.9	12.8	-40.7	-6.3	2.6	7.7
217	-21.2	-6.2	4.5	9.7	3.1	6.9	-85.1	-28.9	-21.9	-7.4
218	-44.0	-11.1	-36.8	-4.5	7.1	11.4	-50.7	-9.1	-4.2	4.3
219	-15.1	7.5	-3.2	17.9	14.3	19.7	-37.5	5.1	8.6	15.5
220	-23.8	-0.7	-9.7	10.3	12.3	16.2	-43.7	-2.7	3.6	11.2
221	-25.5	-0.8	-11.0	10.6	13.0	17.6	-41.4	-1.9	6.7	12.7
222	-10.9	10.2	14.4	20.6	15.0	19.4	-81.0	-2.5	-10.8	8.1
223	-42.6	-9.8	-35.8	-3.7	8.1	12.5	-49.8	-8.5	-3.0	5.7
224	-8.0	17.8	-0.9	21.6	20.8	26.4	-32.0	15.7	15.6	23.6
225	-23.5	-3.0	-10.1	7.7	10.9	14.5	-41.9	-5.1	2.4	9.1
226	-20.9	0.3	-7.9	11.2	13.7	18.4	-41.2	0.5	6.9	14.2
227	-22.9	-9.9	2.1	6.5	0.0	3.3	-85.1	-32.2	-24.2	-11.3
228	-39.1	-14.6	-32.4	-7.9	4.4	7.5	-43.0	-11.4	-5.1	1.1
229	-20.5	-1.9	-9.8	8.0	7.2	10.9	-38.4	-4.2	0.8	6.7
230	-25.7	-8.4	-14.6	0.8	4.3	6.9	-37.9	-9.2	-3.3	2.4
231	-23.3	-10.2	-8.7	2.8	4.7	8.3	-37.0	-7.6	-0.8	4.2

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Table 17 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
232	-20.9	-7.5	4.0	8.5	2.2	5.7	-84.2	-29.5	-22.1	-8.6
233	-40.8	-9.2	-33.4	-2.9	8.6	12.6	-46.7	-6.9	-2.0	5.7
234	-14.1	7.4	-2.3	18.0	14.1	19.2	-36.4	5.6	8.6	15.3
235	-26.0	-4.0	-12.6	6.7	11.0	14.4	-45.0	-4.9	2.6	9.8
236	-23.0	-5.3	-11.2	5.9	6.8	10.7	-37.6	-7.2	1.2	5.7
MAXD	-44.2	46.1	-36.8	49.2	47.8	58.7	-94.2	42.4	48.2	56.0
MD	-15.3	9.9	-2.9	16.2	17.4	21.8	-35.8	5.9	8.7	16.9
MAD	17.6	14.1	10.7	17.1	17.4	21.8	37.0	15.6	15.2	18.1

Table 18: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the PBE0 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-21.7	18.3	-11.7	17.3	14.4	20.4	-18.1	17.8	14.1	20.2
2	-26.8	18.2	-14.9	17.5	14.2	20.9	-21.9	18.6	13.9	20.2
3	-23.6	16.5	-13.5	15.7	13.5	19.6	-19.8	16.4	13.1	19.1
4	-27.4	19.1	-15.3	18.4	15.0	21.9	-22.5	19.5	14.5	21.3
5	-25.0	18.3	-14.4	17.3	14.8	21.3	-21.2	18.1	14.3	20.7
6	-27.4	19.6	-15.5	18.8	15.4	22.4	-22.8	19.9	14.8	21.8
7	-24.8	18.6	-14.1	17.5	15.2	21.6	-21.1	18.2	14.8	20.9
8	-9.7	6.6	9.5	14.3	5.7	10.0	-75.6	-12.8	-13.7	1.6
9	-9.4	7.9	10.3	15.4	6.9	11.4	-77.3	-9.8	-13.3	3.1
10	-20.3	-8.7	3.8	7.6	0.5	4.0	-78.8	-26.3	-19.4	-6.9
11	-17.9	-5.7	5.1	9.0	2.4	5.8	-77.8	-22.4	-17.7	-4.9
12	-9.2	7.3	9.9	14.8	6.5	10.9	-75.5	-12.2	-13.1	2.2
13	-7.8	9.8	11.9	17.2	8.6	13.3	-76.0	-8.2	-11.3	5.1
14	-19.9	-8.2	4.1	8.0	0.8	4.3	-78.6	-26.0	-19.3	-6.8
15	-16.4	-2.3	6.8	11.2	4.4	8.1	-78.7	-17.4	-15.8	-1.9
16	-7.0	11.0	12.0	17.3	9.1	13.7	-75.2	-8.2	-11.0	5.8
17	-7.4	10.2	12.2	17.7	9.1	13.7	-75.8	-7.8	-11.0	5.7

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Table 18 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
18	-19.4	-7.3	4.5	8.8	1.4	5.1	-78.3	-25.0	-18.2	-5.3
19	-15.8	-1.1	7.4	11.9	4.9	8.8	-78.8	-15.8	-15.4	-1.6
20	-6.6	11.5	12.4	17.7	9.5	14.2	-75.3	-7.8	-10.1	6.3
21	6.2	23.7	9.3	23.3	24.1	26.4	3.6	23.7	22.3	25.5
22	-9.5	3.0	-3.7	7.9	11.5	13.0	-9.2	6.9	9.4	11.8
23	6.3	24.5	9.4	24.3	25.5	27.7	4.0	24.3	23.0	26.5
24	4.7	22.8	8.1	22.8	23.5	25.4	2.2	22.7	21.2	24.5
25	4.7	23.7	8.3	23.5	24.3	26.5	2.0	23.5	22.0	25.3
26	5.2	22.5	8.4	22.4	23.4	25.5	2.8	22.3	21.2	24.2
27	6.2	23.6	9.1	23.0	24.3	26.5	3.3	23.2	22.3	25.2
28	7.9	25.4	10.8	24.8	25.5	27.9	5.4	25.2	23.6	26.7
29	6.7	25.1	9.8	24.8	26.0	28.2	4.4	24.9	23.3	26.8
30	6.2	26.5	10.0	25.8	26.4	28.7	4.0	26.1	24.0	27.5
31	-3.3	12.4	1.9	15.4	18.8	20.5	-3.6	15.4	15.9	19.1
32	5.8	26.5	9.5	25.9	26.5	28.8	3.1	26.2	24.1	28.2
33	8.5	26.1	11.3	25.4	26.2	28.8	5.7	25.4	24.0	27.4
34	8.6	26.2	11.3	25.4	26.2	28.5	5.9	25.7	24.1	27.3
35	8.0	26.6	11.1	26.3	27.5	29.7	5.6	26.3	24.9	28.5
36	8.0	29.2	11.7	28.5	29.0	31.4	5.3	28.9	26.8	30.3
37	9.9	27.5	12.6	26.8	27.6	30.2	7.1	26.8	25.6	29.6
38	-3.2	23.5	2.3	20.9	20.7	26.4	-26.4	18.7	16.9	24.9
39	-3.7	24.2	3.7	23.0	21.1	27.2	-29.8	20.7	16.7	25.3
40	-3.1	23.7	2.5	21.3	21.4	27.3	-26.9	18.7	17.2	25.3
41	-3.8	25.8	3.9	24.6	22.6	28.9	-30.8	22.2	17.9	26.9
42	-2.6	24.4	2.9	21.9	22.1	28.1	-26.8	19.0	17.9	26.3
43	-3.1	26.9	4.4	25.7	23.5	30.0	-30.5	23.1	18.8	28.3
44	-2.8	24.3	2.6	21.7	22.0	28.0	-27.1	18.8	18.0	26.3
45	3.4	28.8	7.9	30.1	29.7	38.5	-10.9	25.8	31.3	36.6
46	-15.8	-2.6	-12.4	2.9	9.9	14.4	-26.5	-4.0	8.7	12.1
47	-0.6	19.4	3.5	19.2	20.1	26.9	-11.5	15.7	21.5	25.6
48	2.9	32.4	8.2	34.1	32.4	42.5	-12.0	29.6	34.3	40.6
49	-15.5	5.1	-9.6	10.3	15.4	21.3	-25.4	4.2	14.7	18.9

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Table 18 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
50	-2.4	19.9	3.1	20.0	20.9	28.3	-14.6	16.6	22.3	26.8
51	2.9	27.9	8.1	29.0	29.7	38.2	-10.6	24.8	30.8	36.3
52	3.3	34.4	9.0	36.1	34.0	44.6	-11.3	31.8	36.1	42.5
53	-14.6	7.8	-8.3	12.6	17.6	24.0	-24.9	7.1	16.9	21.3
54	-2.5	21.0	3.5	21.0	21.9	29.5	-14.6	17.8	23.1	28.1
55	4.5	29.8	9.6	30.5	30.4	39.0	-8.2	26.2	31.9	37.4
56	-13.5	21.8	-0.6	21.9	15.6	22.1	-19.1	17.9	15.7	21.0
57	-18.0	23.3	-3.0	23.6	16.2	23.6	-23.0	19.8	16.6	22.8
58	-13.7	21.6	-0.9	21.6	15.5	22.3	-19.3	17.7	15.6	21.5
59	-14.4	24.9	-1.9	23.6	16.2	23.8	-22.0	19.9	16.4	22.9
60	-13.7	21.6	-1.1	21.5	15.6	22.5	-19.5	17.5	15.6	21.6
61	-18.2	25.7	-2.8	25.8	17.9	26.0	-23.7	22.1	18.0	25.2
62	-13.6	21.6	-1.0	21.5	15.6	22.6	-19.5	17.5	16.0	21.6
63	3.9	31.4	10.0	29.7	26.4	32.6	-20.8	29.6	24.2	32.2
64	-40.8	-0.4	-26.4	4.0	7.4	12.0	-32.5	5.2	5.6	11.1
65	-40.4	-5.2	-26.9	0.0	4.2	8.5	-31.5	1.4	2.9	7.9
66	-40.0	1.0	-26.1	5.0	8.3	13.2	-32.3	6.2	6.2	11.9
67	-38.2	-0.1	-25.7	3.9	6.2	11.0	-31.0	5.0	5.2	10.7
68	-39.7	-4.0	-26.4	1.2	5.2	9.8	-31.3	2.4	4.4	9.5
69	-40.2	1.5	-26.6	5.3	8.2	13.3	-33.0	6.3	6.7	12.9
70	-38.9	-0.3	-26.2	3.6	6.0	11.0	-31.7	4.9	5.3	10.5
71	-39.5	-3.7	-26.6	1.4	5.2	10.0	-31.6	2.4	4.2	9.3
72	-39.6	2.1	-26.2	5.8	8.7	13.9	-32.6	6.9	6.3	13.0
73	-38.3	0.1	-25.8	4.1	6.4	11.5	-31.5	5.1	5.6	11.3
74	-39.6	-3.5	-26.6	1.5	5.3	10.2	-31.7	2.5	3.6	9.1
75	-18.4	-6.5	6.3	10.1	3.5	6.8	-82.0	-24.9	-16.7	-4.4
76	-15.7	-2.4	7.9	12.2	5.5	9.2	-79.9	-21.4	-14.4	-1.3
77	-16.8	-3.5	5.6	9.8	3.6	7.2	-78.8	-21.2	-15.7	-3.0
78	-17.3	-5.2	6.9	10.7	4.3	7.6	-80.9	-23.8	-15.5	-3.4
79	-15.4	-1.4	8.1	12.7	6.0	9.8	-79.7	-20.3	-14.7	-0.6
80	-15.4	-2.1	6.9	11.1	4.8	8.4	-77.2	-19.7	-14.9	-0.9
81	-17.1	-4.6	6.9	11.1	4.5	8.0	-80.8	-23.1	-15.7	-2.8

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Table 18 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
82	-14.6	-0.6	8.8	13.4	6.7	10.6	-78.9	-19.4	-13.8	0.1
83	-15.4	-2.0	7.2	11.6	5.2	8.9	-78.0	-20.2	-14.8	-1.1
84	-16.2	-3.7	7.7	11.8	5.3	8.9	-79.9	-22.3	-15.0	-1.8
85	-11.0	5.1	-5.3	7.4	12.1	12.9	-12.4	7.3	8.7	11.3
86	-7.4	8.1	-2.2	10.1	14.5	15.3	-8.2	10.5	11.0	14.3
87	-3.7	7.8	-0.4	9.5	17.7	18.5	-5.5	8.5	14.1	16.7
88	-7.6	7.1	-2.3	9.3	14.0	14.8	-8.0	9.5	10.3	13.4
89	-10.2	6.0	-4.8	7.9	12.4	13.3	-11.9	7.8	8.9	11.9
90	-7.1	9.3	-1.8	10.8	14.6	15.5	-7.5	11.4	11.1	13.7
91	-10.3	6.0	-5.0	7.9	12.3	13.3	-12.0	7.8	8.9	11.5
92	-6.9	9.4	-1.6	11.0	14.7	15.7	-7.3	11.5	11.3	13.8
93	-6.6	9.0	-1.6	10.7	15.1	16.0	-7.7	11.0	11.5	14.5
94	-6.5	9.0	-1.5	10.7	15.3	16.1	-7.6	11.1	11.7	14.2
95	-6.8	10.1	-2.2	11.3	15.1	16.0	-8.7	11.5	11.0	14.6
96	-6.0	10.3	-0.8	12.0	15.6	16.6	-6.4	12.5	12.2	14.9
97	-6.7	10.4	-2.2	11.6	15.2	16.2	-8.8	11.9	11.2	14.3
98	-1.8	10.2	0.9	11.0	18.5	19.4	-3.8	10.5	15.0	17.8
99	-4.9	10.6	-0.4	12.0	15.8	16.8	-6.3	12.1	12.2	14.8
100	-5.5	10.3	-0.6	11.9	16.4	17.3	-6.9	12.2	12.6	15.5
101	-1.6	12.0	1.9	13.3	16.7	17.6	-3.1	13.1	12.8	16.0
102	-6.1	10.2	-0.8	11.9	15.7	16.7	-6.7	12.2	11.9	14.7
103	-5.9	11.6	-1.3	12.6	16.0	17.1	-7.6	13.1	12.1	15.4
104	-5.9	10.2	-0.7	11.9	15.9	16.7	-6.6	12.2	11.9	14.8
105	-5.2	9.5	-0.1	11.6	16.1	17.0	-6.0	11.5	12.0	15.3
106	-5.3	10.3	-0.4	12.0	16.6	17.3	-6.6	12.2	12.7	15.4
107	-17.1	5.0	-7.7	9.8	12.3	16.5	-40.3	4.2	6.3	13.9
108	-20.2	-3.4	-10.7	4.1	7.2	10.7	-42.1	-3.9	2.0	8.1
109	-16.3	7.2	-6.9	11.7	13.5	18.1	-40.0	6.0	7.8	15.4
110	-15.8	6.9	-7.3	10.3	11.6	15.9	-37.5	5.7	5.8	13.5
111	-18.4	0.0	-9.3	6.7	9.1	13.1	-41.3	-0.9	3.7	10.5
112	-15.2	9.2	-5.8	13.4	14.8	19.4	-39.4	7.6	8.4	16.5
113	-15.3	7.4	-6.8	10.8	12.1	16.4	-37.1	6.2	6.1	14.0

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Table 18 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
114	-17.8	1.5	-8.7	7.9	10.1	14.3	-41.0	0.4	4.1	11.3
115	-14.7	9.6	-5.4	13.8	15.2	19.9	-39.0	8.0	9.0	17.2
116	-15.0	7.7	-6.6	11.1	12.4	16.7	-37.1	6.2	6.5	14.1
117	-17.6	1.9	-8.6	8.2	10.3	14.6	-40.9	0.7	4.3	11.9
118	-9.2	7.9	-5.7	11.2	16.8	21.8	-21.0	6.8	15.3	19.6
119	-5.0	11.2	-2.3	11.5	14.3	19.7	-17.1	7.7	14.6	17.9
120	-11.6	3.8	-8.6	7.9	14.4	19.3	-22.8	3.1	13.0	17.0
121	-6.6	10.5	-2.9	11.2	14.3	19.5	-18.4	7.8	14.2	17.8
122	-6.2	11.5	-3.3	14.2	18.8	24.5	-19.4	10.3	17.6	21.7
123	-5.0	12.9	-2.0	13.3	15.5	21.3	-17.0	9.0	15.7	19.0
124	-8.8	8.5	-5.8	11.3	17.2	22.4	-22.5	7.6	15.5	20.1
125	-4.4	14.8	-1.0	14.6	16.7	22.2	-15.8	11.6	16.4	20.5
126	-5.6	12.2	-2.2	12.3	14.9	20.5	-17.2	9.0	14.9	18.6
127	-6.8	12.3	-3.1	15.0	19.8	25.6	-19.9	11.1	18.2	23.0
128	-28.7	4.8	-11.7	9.3	7.7	12.8	-31.5	4.8	6.2	11.4
129	-29.6	1.0	-13.0	6.2	4.7	9.5	-31.5	1.7	3.8	8.3
130	-27.5	5.9	-11.2	10.2	8.4	14.0	-30.7	5.8	7.0	12.4
131	-27.3	5.0	-12.1	9.0	7.0	12.2	-30.2	5.0	5.8	11.4
132	-28.5	2.3	-12.3	7.3	5.7	10.8	-30.8	2.8	4.9	9.7
133	-27.7	7.1	-11.2	11.1	8.9	14.7	-31.3	6.7	7.7	13.3
134	-27.3	4.9	-12.1	9.0	6.8	12.2	-30.2	5.1	5.8	11.8
135	-28.1	2.9	-12.2	7.8	5.9	11.4	-30.8	3.3	4.8	10.6
136	-27.2	7.6	-10.7	11.6	9.4	15.2	-30.9	7.2	7.7	13.9
137	-26.8	5.5	-11.8	9.4	7.2	12.8	-29.9	5.4	6.6	12.2
138	-27.8	3.6	-11.9	8.3	6.4	11.9	-30.6	3.8	5.7	11.6
139	-11.5	8.1	-3.0	12.3	14.1	18.2	-32.9	8.6	10.3	16.5
140	-9.6	12.2	-1.1	16.0	16.7	21.3	-31.8	12.1	12.7	19.0
141	-9.8	10.3	-2.2	13.3	13.8	17.8	-30.2	10.2	10.0	16.5
142	-41.3	-15.8	-31.3	-7.9	4.2	6.2	-42.7	-12.7	-4.4	1.1
143	-39.7	-16.6	-30.4	-8.5	3.3	5.3	-39.5	-12.1	-5.3	0.1
144	-38.5	-16.4	-30.0	-8.2	3.6	5.7	-38.7	-11.7	-4.5	0.4
145	-40.3	-16.4	-29.9	-8.0	4.0	6.0	-41.0	-12.8	-3.6	1.6

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Table 18 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
146	-38.8	-17.1	-29.1	-8.6	3.2	5.1	-38.1	-12.3	-4.6	0.2
147	-39.0	-17.4	-29.1	-8.3	3.4	5.5	-38.0	-12.0	-4.0	0.7
148	-16.0	-8.7	4.8	7.6	0.6	3.2	-65.6	-29.3	-17.5	-8.5
149	-20.3	-6.1	0.1	4.6	-3.8	0.0	-86.6	-33.3	-23.9	-10.2
150	-34.6	-12.9	-27.0	-6.2	4.2	7.0	-36.9	-9.1	-2.3	2.2
151	-11.6	16.9	-12.4	16.3	17.2	22.6	-20.5	15.0	13.0	20.2
152	-12.0	1.3	-5.1	8.3	5.4	9.2	-27.3	0.0	3.7	7.3
153	1.6	19.6	2.9	18.5	14.6	19.8	-17.8	11.6	13.1	17.4
154	-21.8	-7.7	-10.0	2.5	4.2	7.5	-36.6	-7.1	-0.6	3.4
155	-12.4	5.8	-5.5	10.7	10.3	14.5	-26.3	4.7	7.5	11.6
156	-5.4	13.8	1.2	15.8	13.1	17.6	-26.2	10.4	10.4	16.3
157	-8.6	11.1	-4.1	12.5	13.5	18.4	-24.3	7.5	11.2	15.8
158	-16.1	-8.7	4.7	7.5	1.1	3.8	-65.7	-29.2	-17.2	-8.3
159	-16.1	-8.6	4.6	7.5	1.0	3.7	-65.8	-29.2	-17.3	-8.3
160	-34.3	-12.6	-26.9	-6.1	4.7	7.5	-36.9	-9.1	-2.1	2.7
161	-9.6	19.5	-10.5	18.8	19.5	24.7	-16.5	19.4	15.0	22.7
162	-15.2	-3.7	-7.4	5.7	4.4	7.7	-27.1	-5.3	1.4	4.8
163	-0.3	18.7	3.0	19.4	15.3	21.0	-20.3	13.7	14.4	19.1
164	-23.8	-9.8	-13.3	0.2	3.0	5.6	-35.4	-9.0	-2.4	1.8
165	-16.6	-4.4	-8.1	5.1	4.8	8.1	-28.4	-4.4	1.3	4.6
166	-10.3	12.2	-1.4	14.5	14.6	19.6	-32.3	9.0	10.0	17.6
167	-14.6	4.8	-6.7	10.5	10.9	15.4	-29.5	2.0	8.0	12.0
168	-16.0	-8.6	4.8	7.7	1.4	4.1	-65.7	-29.1	-16.9	-7.8
169	-15.8	-8.2	5.0	7.9	1.6	4.3	-66.0	-28.9	-17.1	-8.2
170	-34.9	-13.4	-27.2	-6.7	3.2	6.2	-36.7	-9.4	-3.5	1.3
171	-31.4	-3.5	-26.9	0.6	7.9	11.8	-37.9	-2.4	1.2	7.9
172	-11.2	2.2	-1.8	12.3	7.4	11.8	-27.7	0.9	5.0	8.7
173	-6.1	14.9	-0.9	17.6	13.9	19.4	-26.5	11.8	11.9	18.1
174	-17.7	-5.8	-9.1	4.1	4.3	7.6	-29.1	-5.5	1.0	4.6
175	-17.3	7.1	-6.3	11.8	12.5	17.5	-39.1	5.4	7.6	15.2
176	-12.8	8.7	-4.0	13.2	13.5	19.0	-30.7	9.4	10.8	17.3
177	-15.5	-8.1	5.2	8.1	1.8	4.6	-65.0	-28.7	-16.7	-7.6

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Table 18 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
178	-14.5	3.4	5.4	10.7	2.7	7.2	-83.9	-18.2	-17.2	-0.7
179	-34.6	-13.1	-26.9	-6.4	3.5	6.4	-36.5	-9.2	-3.3	1.3
180	-35.1	-13.4	-27.7	-6.9	4.0	6.9	-37.8	-10.0	-3.0	2.4
181	-10.2	8.0	-2.0	15.6	10.8	16.2	-29.5	5.9	9.2	14.2
182	-9.2	9.8	-1.3	16.8	11.8	17.5	-28.9	7.7	10.3	15.7
183	-22.8	-8.9	-12.4	1.0	3.9	6.5	-34.4	-8.3	-1.3	2.8
184	-17.2	-5.4	-8.7	4.4	4.7	8.0	-28.5	-5.1	1.3	4.5
185	-17.4	4.3	-6.5	10.9	11.2	15.9	-38.5	3.3	6.2	13.2
186	-15.6	2.3	-6.2	10.1	10.1	15.0	-31.6	4.1	7.1	13.1
187	-16.6	-2.8	6.9	11.2	3.6	7.4	-79.1	-25.2	-17.1	-3.7
188	-32.7	-2.1	-27.0	1.8	10.2	14.3	-39.8	-2.7	2.9	9.3
189	-11.3	9.0	-2.4	17.2	12.0	17.3	-32.3	5.6	9.5	15.0
190	-20.4	2.9	-8.7	10.2	11.5	15.9	-43.1	0.6	5.4	12.4
191	-17.8	1.5	-8.0	10.0	10.7	15.2	-35.6	1.2	6.4	12.2
192	-15.7	0.2	8.2	13.2	5.5	9.7	-81.2	-20.9	-15.6	-0.8
193	-33.8	-2.6	-28.6	1.4	9.8	14.1	-41.6	-2.9	2.3	9.9
194	-11.3	10.2	-2.2	18.6	12.7	18.7	-33.1	6.8	10.4	15.9
195	-21.6	3.1	-8.6	10.8	11.4	16.2	-45.3	0.8	5.5	12.7
196	-19.1	1.6	-8.2	10.6	10.5	15.4	-37.9	1.9	6.5	12.3
197	-13.5	2.3	10.2	14.9	8.1	12.1	-80.7	-13.9	-12.5	2.4
198	-27.6	7.6	-25.1	7.3	13.9	18.2	-35.3	7.4	7.3	15.1
199	-5.7	17.5	-1.3	20.3	16.9	22.8	-28.1	14.5	15.1	21.4
200	-12.1	16.0	-3.5	17.8	17.8	22.9	-37.2	14.2	12.3	20.9
201	-12.9	14.6	-5.7	17.4	17.8	23.4	-29.8	13.2	15.4	21.6
202	-16.3	-4.1	5.8	9.9	2.4	5.9	-71.5	-26.9	-17.6	-5.3
203	-37.6	-9.4	-30.8	-3.8	5.9	9.4	-42.1	-7.4	-1.8	4.7
204	-15.1	1.1	-6.2	10.4	7.4	11.8	-30.8	-1.6	4.1	8.4
205	-23.1	-4.5	-10.8	5.0	6.8	10.4	-41.4	-5.4	0.6	6.0
206	-21.2	-6.1	-10.4	4.4	6.1	9.6	-35.8	-5.0	2.3	7.2
207	-17.0	-3.0	6.6	10.8	3.5	7.1	-79.3	-18.9	-16.2	-3.0
208	-27.5	3.9	-24.5	3.9	10.3	14.1	-32.2	5.4	4.0	10.6
209	-9.3	9.9	-2.9	14.9	11.4	16.3	-28.8	8.8	9.7	15.3

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Table 18 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
210	-16.8	5.8	-7.6	9.8	10.7	14.9	-38.1	5.6	5.5	12.9
211	-10.2	8.4	-4.2	11.5	11.8	16.1	-25.3	10.5	9.0	14.7
212	-17.2	-6.7	4.4	8.1	0.8	3.9	-71.4	-29.3	-18.9	-8.1
213	-36.8	-11.7	-30.1	-5.3	4.8	8.1	-40.8	-8.8	-2.5	3.1
214	-14.0	3.1	-3.2	13.5	8.9	13.7	-32.0	2.1	6.3	11.3
215	-24.9	-8.7	-11.8	2.4	5.0	8.5	-42.6	-8.6	-0.6	4.5
216	-21.3	-4.6	-10.0	6.1	5.9	9.7	-35.0	-4.8	2.1	6.3
217	-17.4	-5.2	5.8	9.9	2.0	5.4	-76.7	-26.9	-18.3	-6.5
218	-39.0	-10.6	-32.4	-4.5	5.0	8.8	-43.9	-7.9	-2.4	3.8
219	-13.6	5.7	-3.3	15.3	9.8	15.0	-32.9	4.4	7.2	12.2
220	-23.2	-3.3	-11.4	6.6	7.6	11.3	-40.8	-4.5	1.8	7.3
221	-22.9	-1.9	-11.0	8.1	8.7	13.2	-36.3	-2.0	4.8	8.8
222	-13.0	4.3	9.8	14.5	8.0	11.9	-77.5	-7.5	-12.8	2.7
223	-38.0	-9.6	-31.7	-4.0	5.8	9.7	-43.4	-7.5	-1.6	4.7
224	-9.2	12.4	-3.8	15.7	13.9	19.2	-30.0	11.2	11.6	18.0
225	-22.5	-4.8	-11.2	4.8	6.9	10.4	-38.8	-6.3	1.0	6.1
226	-20.5	-2.2	-9.8	7.6	8.9	13.3	-37.7	-1.0	4.6	10.1
227	-18.3	-7.7	4.3	7.8	-0.3	2.7	-76.3	-29.3	-19.7	-9.3
228	-33.6	-12.5	-27.5	-6.5	3.4	6.2	-36.2	-8.9	-2.3	2.1
229	-17.0	-1.2	-7.7	8.0	5.1	8.7	-32.3	-2.7	1.9	5.2
230	-23.0	-8.1	-13.9	0.0	2.6	5.0	-34.0	-8.7	-2.7	1.9
231	-20.6	-9.1	-7.8	2.7	2.6	6.0	-31.9	-5.6	-0.3	3.1
232	-17.1	-6.2	5.5	9.0	1.3	4.3	-75.9	-27.3	-18.4	-7.5
233	-36.2	-8.9	-29.5	-3.3	6.1	9.7	-40.6	-6.1	-0.7	5.2
234	-12.5	5.9	-2.3	15.6	9.8	14.6	-31.8	5.0	7.4	12.1
235	-25.3	-6.3	-14.4	3.1	6.4	9.6	-42.1	-6.8	0.9	6.2
236	-19.6	-4.4	-9.8	5.5	4.4	8.2	-32.0	-5.3	1.2	4.3
MAXD	-41.3	34.4	-32.4	36.1	34.0	44.6	-86.6	-33.3	36.1	42.5
MD	-15.5	6.1	-5.0	11.4	11.5	15.6	-33.7	2.7	5.5	12.0
MAD	16.5	10.5	9.6	12.4	11.5	15.6	34.3	12.5	11.5	13.3

Table 19: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the TPSS0 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-14.7	22.9	-5.0	22.1	18.2	25.0	-10.9	22.6	19.9	24.9
2	-18.7	23.5	-7.4	22.9	18.7	26.2	-13.6	24.1	20.4	26.2
3	-16.4	21.2	-6.6	20.6	17.4	24.3	-12.4	21.3	19.1	24.4
4	-19.1	24.5	-7.5	23.9	19.6	27.3	-14.1	25.2	21.2	27.2
5	-17.3	23.4	-7.0	22.5	19.0	26.4	-13.2	23.4	20.6	26.2
6	-19.1	25.0	-7.5	24.4	20.0	27.9	-14.2	25.6	21.5	27.7
7	-17.0	23.7	-6.7	22.8	19.5	26.7	-13.0	23.6	20.6	26.5
8	-3.1	11.6	15.3	19.7	9.8	14.6	-65.3	-6.7	-6.0	7.3
9	-2.6	13.0	16.4	21.0	11.2	16.2	-66.7	-3.7	-4.9	9.2
10	-12.8	-2.4	10.2	13.7	5.4	9.1	-67.6	-18.8	-11.0	-0.3
11	-10.9	0.0	11.2	14.7	6.7	10.5	-67.0	-15.4	-9.7	1.5
12	-2.7	12.1	15.7	20.1	10.5	15.4	-65.4	-6.3	-5.3	8.2
13	-1.1	14.7	17.9	22.7	12.9	18.0	-65.4	-2.2	-3.3	11.2
14	-12.4	-2.0	10.5	14.0	5.6	9.5	-67.4	-18.5	-10.8	0.1
15	-9.3	3.3	13.0	16.9	8.8	12.9	-67.7	-10.5	-7.7	4.2
16	-0.5	15.7	17.8	22.5	13.1	18.2	-64.8	-2.2	-3.1	11.5
17	-0.7	15.2	18.3	23.2	13.4	18.5	-65.2	-1.8	-2.9	11.9
18	-11.9	-1.0	11.0	14.9	6.3	10.3	-67.2	-17.5	-10.2	1.2
19	-8.7	4.5	13.5	17.7	9.3	13.6	-67.7	-9.0	-7.7	5.1
20	-0.1	16.1	18.1	22.9	13.5	18.7	-64.9	-1.9	-3.1	11.8
21	13.5	29.5	16.7	29.6	29.9	32.5	11.8	30.0	29.5	31.9
22	-1.9	9.5	3.8	14.6	17.2	18.8	-1.0	13.6	16.5	18.2
23	14.1	30.8	17.3	31.1	31.7	34.1	12.6	31.2	30.9	33.6
24	12.1	28.7	15.5	29.2	29.3	31.5	10.4	29.2	28.5	31.2
25	12.6	29.9	16.1	30.1	30.4	32.9	10.6	30.2	29.5	32.1
26	12.3	28.2	15.7	28.6	28.9	31.3	10.7	28.5	28.3	30.5
27	13.4	29.4	16.5	29.3	30.0	32.5	11.4	29.5	29.3	31.9
28	15.0	31.1	18.1	31.0	31.2	33.8	13.3	31.4	30.8	33.2
29	14.5	31.4	17.7	31.6	32.1	34.7	13.0	31.7	30.8	33.6

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Table 19 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
30	14.0	32.6	17.8	32.5	32.5	35.1	12.6	32.8	31.7	34.4
31	4.7	19.1	9.9	22.4	24.9	26.8	5.3	22.5	23.4	25.9
32	13.9	32.8	17.7	32.9	33.0	35.6	12.2	33.2	32.0	35.1
33	15.4	31.7	18.4	31.5	31.7	34.6	13.4	31.5	31.1	33.9
34	15.6	31.8	18.6	31.6	31.9	34.4	13.7	31.8	31.2	33.8
35	15.9	32.9	19.0	33.2	33.7	36.3	14.1	33.1	32.6	35.6
36	16.3	35.6	20.0	35.6	35.6	38.2	14.5	36.0	34.5	37.4
37	16.8	33.0	19.7	32.9	33.1	36.0	14.8	32.8	32.7	35.7
38	3.0	27.8	8.3	25.5	25.0	31.2	-18.5	23.6	23.2	29.9
39	3.0	28.9	10.0	28.0	25.7	32.3	-21.2	26.1	23.9	31.3
40	2.9	27.9	8.4	25.9	25.6	32.0	-19.1	23.6	24.0	30.7
41	3.1	30.6	10.5	29.8	27.4	34.2	-21.8	27.7	25.4	33.2
42	3.5	28.6	8.9	26.5	26.3	32.8	-19.0	23.9	24.5	31.6
43	3.7	31.7	11.0	30.8	28.2	35.2	-21.5	28.6	26.4	34.5
44	3.3	28.5	8.6	26.3	26.2	32.8	-19.3	23.7	24.4	31.4
45	11.7	35.4	16.4	37.5	36.0	45.6	-0.7	33.2	39.2	44.2
46	-8.8	3.6	-5.4	9.3	14.9	19.8	-17.8	2.7	14.9	17.9
47	6.9	25.3	11.0	25.7	25.5	33.1	-2.2	22.5	28.4	32.3
48	12.5	40.0	18.0	42.5	39.6	50.7	-0.3	38.1	43.5	49.1
49	-7.1	12.1	-1.2	17.7	21.2	27.8	-15.2	11.8	20.4	24.0
50	5.8	26.2	11.1	26.9	26.6	34.9	-4.5	23.8	29.9	33.9
51	11.7	34.9	17.1	36.9	36.5	45.9	0.2	32.8	39.6	44.5
52	13.2	42.2	19.1	44.7	41.3	53.1	0.7	40.6	45.4	51.5
53	-5.5	15.3	0.6	20.5	23.9	31.0	-14.0	15.3	24.7	29.0
54	5.9	27.4	11.8	28.1	27.8	36.3	-4.3	25.1	30.6	35.2
55	13.2	36.6	18.5	38.3	37.1	46.5	2.3	33.9	40.1	44.9
56	-6.3	26.5	6.2	26.8	19.4	26.8	-11.0	23.1	21.7	26.9
57	-9.5	28.8	4.8	29.3	20.7	29.2	-13.6	25.8	23.6	28.8
58	-6.6	26.3	5.9	26.5	19.2	27.0	-11.2	22.8	21.8	26.7
59	-6.1	30.5	6.1	29.5	20.9	29.6	-12.6	25.9	23.5	29.7
60	-6.5	26.4	5.7	26.5	19.4	27.2	-11.4	22.7	22.0	27.0
61	-9.3	31.5	5.5	31.8	22.6	31.9	-13.8	28.4	25.2	31.5

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Table 19 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
62	-6.5	26.4	5.8	26.5	19.4	27.3	-11.4	22.6	22.0	27.0
63	10.1	35.7	15.9	34.4	30.8	37.6	-12.7	34.6	30.4	38.1
64	-32.1	5.5	-18.2	9.8	12.1	17.4	-23.8	11.1	12.0	16.7
65	-32.1	0.6	-19.1	5.7	8.7	13.6	-23.3	7.1	9.0	13.3
66	-31.4	6.8	-17.8	10.9	13.0	18.5	-23.7	12.0	13.1	18.2
67	-29.9	5.6	-17.6	9.8	11.0	16.4	-22.5	10.8	11.3	16.3
68	-31.5	1.7	-18.5	7.0	9.8	15.0	-23.1	8.1	10.3	15.0
69	-31.5	7.3	-18.3	11.1	12.9	18.7	-24.3	12.2	13.3	18.7
70	-30.5	5.4	-18.0	9.6	10.8	16.4	-23.2	10.7	11.5	16.5
71	-31.3	2.0	-18.7	7.2	9.8	15.2	-23.3	8.1	10.3	15.0
72	-30.9	7.9	-17.8	11.7	13.5	19.3	-23.8	12.8	13.5	19.4
73	-30.0	5.9	-17.7	10.0	11.1	16.9	-23.0	10.9	11.9	17.1
74	-31.3	2.2	-18.6	7.4	10.0	15.5	-23.4	8.2	10.5	15.3
75	-11.9	-1.3	12.2	15.5	7.2	10.9	-71.7	-18.4	-9.3	1.4
76	-9.5	2.4	13.5	17.4	9.1	13.2	-69.9	-15.3	-7.3	4.8
77	-10.1	1.8	11.6	15.4	7.7	11.7	-68.3	-14.7	-8.1	3.1
78	-11.1	-0.3	12.6	16.0	7.9	11.6	-70.8	-17.6	-8.5	2.1
79	-9.1	3.4	13.8	18.0	9.6	13.9	-69.6	-14.2	-7.1	5.8
80	-8.8	3.1	12.8	16.6	8.9	12.9	-66.8	-13.2	-7.3	4.7
81	-10.8	0.4	12.6	16.3	8.1	12.0	-70.6	-16.9	-8.4	3.2
82	-8.3	4.3	14.5	18.7	10.4	14.7	-68.8	-13.4	-6.6	5.9
83	-8.7	3.3	13.1	17.2	9.3	13.4	-67.6	-13.7	-7.2	5.0
84	-9.9	1.3	13.4	17.2	9.0	12.9	-69.7	-16.0	-7.8	4.4
85	-3.6	10.9	1.9	13.5	17.4	18.4	-4.2	13.6	14.8	17.2
86	0.4	14.3	5.3	16.4	20.2	21.1	0.4	17.1	17.4	19.9
87	2.3	12.8	5.6	14.9	22.3	23.3	1.1	13.9	19.8	21.8
88	-0.3	13.0	5.0	15.5	19.5	20.4	0.2	15.9	16.5	18.6
89	-3.0	11.6	2.3	13.9	17.7	18.7	-3.8	13.9	14.6	17.6
90	0.7	15.5	5.9	17.4	20.5	21.6	1.1	18.1	17.8	20.2
91	-3.2	11.6	2.2	13.9	17.6	18.7	-3.9	13.9	14.8	17.6
92	0.9	15.6	6.0	17.6	20.6	21.7	1.3	18.2	18.0	20.4
93	0.8	14.9	5.7	16.9	20.7	21.6	0.7	17.5	17.8	20.7

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Table 19 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
94	1.0	14.9	5.8	17.0	20.8	21.7	0.8	17.6	17.9	20.4
95	0.7	16.0	5.4	17.7	20.8	21.9	-0.3	17.9	17.5	20.9
96	1.7	16.5	6.9	18.5	21.5	22.6	2.1	19.2	18.7	21.7
97	0.8	16.3	5.4	18.0	21.0	22.1	-0.3	18.3	17.8	20.2
98	3.9	14.9	6.8	16.2	23.0	24.0	2.7	15.8	20.6	23.2
99	2.3	16.3	6.8	18.1	21.2	22.3	1.7	18.3	18.4	20.8
100	2.0	16.2	6.7	18.1	22.0	22.9	1.6	18.7	18.9	21.7
101	4.6	17.0	8.1	18.6	21.4	22.5	3.8	18.5	18.3	21.3
102	1.7	16.4	6.9	18.5	21.6	22.7	1.8	18.9	18.6	21.3
103	1.7	17.6	6.4	19.1	21.9	23.1	0.9	19.6	18.7	21.6
104	1.8	16.4	7.0	18.5	21.8	22.7	2.0	18.9	18.6	21.4
105	1.8	15.1	6.8	17.6	21.5	22.4	1.8	17.6	18.1	21.3
106	2.2	16.2	6.9	18.2	22.2	23.0	1.8	18.7	19.0	21.6
107	-9.9	10.6	-0.9	15.3	17.2	21.8	-31.2	10.3	13.5	20.1
108	-13.3	2.2	-4.2	9.5	11.9	15.8	-33.6	2.1	8.7	13.9
109	-9.2	12.6	-0.3	17.1	18.3	23.3	-31.0	11.9	14.9	21.3
110	-8.7	12.4	-0.6	15.8	16.4	21.1	-28.7	11.6	12.6	19.3
111	-11.7	5.3	-3.0	12.0	13.6	18.0	-32.8	4.8	10.4	16.2
112	-8.2	14.4	0.8	18.8	19.5	24.6	-30.4	13.4	15.5	22.3
113	-8.3	12.7	-0.2	16.2	16.8	21.5	-28.4	11.9	13.0	19.8
114	-11.0	6.8	-2.3	13.2	14.7	19.3	-32.5	6.2	10.9	17.0
115	-7.7	14.8	1.2	19.1	19.9	25.0	-30.1	13.8	16.0	23.0
116	-8.0	13.0	0.0	16.5	17.1	21.9	-28.5	11.9	13.1	19.5
117	-10.8	7.2	-2.1	13.5	14.9	19.7	-32.4	6.4	11.2	17.7
118	-1.9	14.0	1.7	17.7	22.1	27.6	-11.9	13.5	21.7	25.5
119	1.5	16.2	4.1	16.8	18.6	24.6	-8.9	13.4	20.2	22.4
120	-4.3	10.1	-1.0	14.6	19.8	25.3	-13.7	9.9	19.6	23.4
121	0.4	15.8	3.9	16.8	19.0	24.8	-9.7	13.9	20.2	23.6
122	1.0	17.4	4.1	20.6	24.0	30.3	-10.4	16.9	24.5	28.8
123	1.6	17.8	4.5	18.7	19.9	26.3	-8.8	14.7	21.4	24.3
124	-0.9	15.1	2.2	18.4	23.0	28.7	-12.7	14.9	22.5	26.9
125	3.2	20.6	6.6	20.9	22.0	28.2	-6.5	18.2	22.7	26.7

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Table 19 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
126	1.5	17.5	4.8	18.1	19.8	26.0	-8.3	15.2	20.9	24.3
127	1.1	18.8	4.9	21.9	25.6	32.0	-10.1	18.3	25.1	29.8
128	-20.4	10.4	-4.1	14.9	12.1	17.9	-22.3	10.8	12.7	17.5
129	-21.5	6.5	-5.6	11.7	9.0	14.3	-22.7	7.5	9.9	13.7
130	-19.3	11.4	-3.6	15.8	12.9	19.2	-21.6	11.7	13.5	18.0
131	-19.2	10.5	-4.4	14.7	11.5	17.4	-21.3	10.9	12.2	17.0
132	-20.6	7.7	-4.9	12.7	9.9	15.7	-22.0	8.5	10.7	15.0
133	-19.4	12.7	-3.5	16.7	13.3	19.9	-22.1	12.6	14.1	18.8
134	-19.3	10.4	-4.5	14.6	11.2	17.4	-21.3	10.8	12.1	17.2
135	-20.1	8.4	-4.8	13.3	10.2	16.3	-22.0	9.0	10.9	16.4
136	-18.9	13.2	-2.9	17.3	13.8	20.5	-21.6	13.1	14.6	19.9
137	-18.8	11.0	-4.1	15.1	11.6	17.9	-21.1	11.2	12.7	18.3
138	-19.8	9.0	-4.5	13.8	10.6	16.9	-21.8	9.6	11.7	17.2
139	-4.9	13.3	3.2	17.6	18.9	23.3	-24.4	14.2	16.6	22.3
140	-3.1	17.1	5.0	21.1	21.3	26.4	-23.4	17.5	18.9	24.6
141	-3.4	15.2	3.8	18.4	18.4	22.8	-22.2	15.6	16.0	22.0
142	-33.7	-10.0	-23.9	-2.1	8.7	10.9	-34.8	-6.9	1.7	6.4
143	-32.8	-11.3	-23.6	-3.2	7.5	9.7	-32.5	-6.8	0.3	6.0
144	-31.8	-11.2	-23.4	-3.0	7.5	9.8	-31.8	-6.6	0.7	5.3
145	-32.2	-10.1	-22.0	-1.7	8.9	11.1	-32.6	-6.4	1.8	7.0
146	-31.3	-11.2	-21.7	-2.7	7.8	9.9	-30.5	-6.4	0.5	6.0
147	-31.6	-11.5	-21.9	-2.6	7.8	10.0	-30.5	-6.2	0.8	5.9
148	-9.0	-2.4	10.6	13.2	5.0	7.9	-55.8	-22.0	-10.1	-2.2
149	-13.2	-0.4	6.3	10.3	0.8	5.0	-75.8	-26.1	-15.6	-3.7
150	-27.6	-7.7	-20.2	-1.1	7.6	10.7	-29.2	-3.9	2.5	6.9
151	-4.9	21.7	-5.2	21.4	21.1	27.1	-12.9	20.1	19.3	25.6
152	-6.6	5.6	-0.1	12.6	8.5	12.7	-20.2	4.9	8.4	11.5
153	7.0	23.7	8.3	23.1	18.4	24.1	-10.8	16.4	18.6	22.2
154	-16.0	-3.0	-4.8	6.9	7.8	11.3	-29.8	-2.3	4.2	8.1
155	-6.2	10.7	0.7	15.8	14.2	18.9	-18.4	10.1	12.8	17.2
156	-0.5	17.5	5.8	19.5	16.2	21.2	-19.9	14.4	14.8	20.1
157	-2.1	16.1	2.5	17.8	17.8	23.3	-16.1	13.2	17.0	21.3

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Table 19 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
158	-9.1	-2.4	10.5	13.1	5.4	8.4	-55.9	-22.0	-9.7	-2.0
159	-9.1	-2.4	10.4	13.0	5.4	8.3	-56.0	-22.0	-9.7	-2.0
160	-27.4	-7.5	-20.0	-1.0	8.0	11.2	-29.2	-3.9	2.5	6.9
161	-2.8	24.4	-3.1	24.1	23.5	29.2	-8.8	24.6	21.7	28.4
162	-9.5	1.0	-2.0	10.3	7.8	11.5	-20.1	-0.1	6.2	8.8
163	5.1	22.7	8.3	23.7	18.8	25.0	-13.1	18.4	19.7	24.6
164	-18.1	-5.1	-8.2	4.5	6.6	9.4	-28.6	-4.1	2.5	6.1
165	-10.3	0.9	-2.0	10.3	9.0	12.6	-20.7	1.3	6.7	9.7
166	-4.3	16.5	4.1	18.9	18.3	23.7	-25.0	13.7	16.1	22.6
167	-7.7	10.1	-0.1	16.0	15.1	20.1	-21.1	7.9	14.2	18.6
168	-9.1	-2.3	10.5	13.2	5.7	8.7	-56.0	-21.9	-9.6	-1.6
169	-8.9	-2.0	10.7	13.4	5.9	8.8	-56.3	-21.7	-9.6	-1.5
170	-27.9	-8.1	-20.3	-1.6	6.7	10.0	-29.1	-4.1	1.3	5.9
171	-23.6	2.1	-19.0	6.3	11.8	16.3	-29.2	3.4	6.7	13.1
172	-5.2	7.2	3.8	17.1	11.0	15.8	-20.1	6.3	10.6	14.5
173	0.6	19.9	5.6	23.0	18.3	24.3	-17.8	17.5	17.8	23.6
174	-11.4	-0.5	-3.2	9.2	8.4	12.0	-21.6	0.2	6.2	9.1
175	-9.8	12.8	0.5	17.4	17.3	22.8	-30.1	11.4	14.1	21.1
176	-4.6	15.2	3.9	19.8	18.9	24.9	-20.9	16.3	18.0	23.9
177	-8.6	-1.9	10.9	13.6	6.1	9.1	-55.3	-21.5	-9.1	-1.2
178	-7.6	8.5	11.5	16.3	7.1	12.0	-73.0	-11.7	-9.1	5.4
179	-27.7	-7.9	-20.1	-1.3	7.0	10.2	-28.8	-3.9	1.5	6.0
180	-28.2	-8.3	-20.9	-1.9	7.3	10.5	-30.2	-4.8	1.7	6.5
181	-3.1	13.6	4.8	21.3	15.2	21.2	-20.5	12.1	15.2	20.3
182	-2.0	15.5	5.6	22.5	16.3	22.5	-19.8	14.0	16.6	21.6
183	-17.2	-4.3	-7.4	5.3	7.4	10.3	-27.7	-3.6	3.4	7.1
184	-11.0	-0.2	-2.8	9.5	8.7	12.3	-21.1	0.5	6.5	9.8
185	-10.4	9.7	-0.1	16.1	15.7	20.9	-30.0	9.0	12.4	18.8
186	-7.9	8.7	1.2	16.3	15.2	20.4	-22.4	10.6	10.1	15.5
187	-7.5	4.9	14.7	18.6	9.6	13.8	-66.6	-16.3	-7.4	4.3
188	-24.0	4.2	-18.4	8.2	14.9	19.5	-30.3	3.9	9.7	16.1
189	-3.2	15.6	5.3	23.7	17.3	23.1	-22.1	13.0	16.9	21.7

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Table 19 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
190	-12.0	9.7	-1.0	16.8	17.3	22.0	-33.1	7.9	12.9	19.4
191	-9.0	8.9	0.3	17.2	16.7	21.5	-25.3	9.0	14.5	20.0
192	-6.4	8.0	16.3	20.8	11.8	16.4	-68.2	-11.9	-5.6	7.5
193	-24.8	4.0	-19.5	8.2	14.9	19.7	-31.6	4.0	9.1	16.3
194	-2.6	17.3	6.0	25.6	18.5	25.0	-22.3	14.6	17.9	23.2
195	-13.0	10.0	-0.8	17.3	17.3	22.5	-35.1	8.0	13.0	19.2
196	-9.8	9.3	0.6	18.1	16.8	22.2	-27.0	9.9	14.9	20.3
197	-7.3	6.8	15.6	19.9	11.6	16.0	-70.5	-8.1	-5.3	7.8
198	-20.6	11.9	-17.7	12.2	17.5	22.3	-26.9	12.4	13.3	20.8
199	1.6	22.9	5.9	26.0	21.8	28.2	-18.3	20.8	22.7	28.3
200	-4.9	21.2	3.2	23.0	22.6	28.2	-28.0	20.0	19.5	26.4
201	-4.6	20.7	2.5	23.9	23.3	29.4	-19.6	20.1	22.3	27.9
202	-7.4	3.7	13.8	17.5	8.7	12.6	-59.4	-17.9	-7.6	3.1
203	-29.0	-3.0	-22.0	2.7	10.6	14.6	-32.7	-0.7	4.8	10.7
204	-7.9	7.1	0.8	16.4	12.2	17.0	-21.9	5.0	10.3	14.3
205	-15.7	1.6	-3.9	10.9	11.9	15.8	-32.6	1.0	7.3	12.1
206	-12.8	1.1	-2.4	11.5	11.8	15.7	-26.2	2.5	8.7	13.3
207	-10.2	2.2	12.7	16.4	7.6	11.6	-68.7	-12.3	-8.4	3.1
208	-20.9	8.1	-17.4	8.7	13.7	18.0	-24.2	10.3	9.3	15.7
209	-2.2	15.4	4.0	20.6	16.2	21.6	-19.4	15.1	16.5	21.4
210	-10.1	10.9	-1.2	15.0	15.2	19.8	-29.6	11.2	12.3	18.7
211	-3.7	13.5	2.2	16.9	16.3	20.9	-17.1	16.1	15.0	20.1
212	-8.8	0.7	11.9	15.2	6.8	10.0	-60.0	-20.8	-9.5	-0.2
213	-29.1	-5.9	-22.3	0.5	8.8	12.5	-32.3	-2.9	3.3	8.9
214	-6.7	9.1	3.8	19.4	13.5	18.7	-22.8	8.7	12.7	17.2
215	-18.4	-3.4	-6.0	7.4	9.0	12.8	-34.9	-3.1	5.1	9.8
216	-13.8	1.6	-2.8	12.2	10.6	14.8	-26.2	1.8	8.4	11.8
217	-8.8	2.2	13.3	17.1	7.9	11.6	-64.8	-18.4	-8.8	1.6
218	-30.9	-4.6	-24.1	1.6	9.3	13.5	-34.9	-1.7	3.5	9.9
219	-6.1	11.7	3.9	21.3	14.7	20.2	-23.3	11.1	13.8	18.6
220	-15.9	2.6	-4.7	12.3	12.4	16.4	-32.0	1.8	8.3	13.2
221	-14.4	5.0	-2.8	15.0	14.2	19.2	-26.3	5.4	12.4	16.5

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Table 19 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
222	-6.6	8.9	15.6	19.9	11.9	16.2	-67.0	-1.7	-5.2	8.4
223	-30.0	-3.8	-23.5	2.1	10.0	14.2	-34.5	-1.5	4.2	10.3
224	-1.6	18.2	3.9	22.0	19.2	25.0	-20.0	17.9	19.8	24.7
225	-16.3	0.3	-5.5	9.6	11.0	14.8	-31.4	-1.0	6.6	11.2
226	-12.5	4.4	-2.0	14.3	14.2	19.0	-28.1	6.1	11.5	16.5
227	-10.0	-0.5	11.4	14.5	5.2	8.5	-64.8	-21.0	-10.6	-1.6
228	-27.1	-7.6	-21.0	-1.6	6.4	9.5	-29.2	-4.1	2.0	6.1
229	-10.4	4.1	-1.5	13.3	9.2	13.1	-24.2	3.1	7.4	11.3
230	-17.4	-3.6	-8.8	4.2	6.3	8.9	-27.8	-4.1	2.3	6.3
231	-13.9	-3.2	-1.8	8.0	6.7	10.4	-24.4	0.2	5.2	8.4
232	-9.1	0.7	12.3	15.5	6.5	9.8	-64.7	-19.5	-9.7	-0.1
233	-28.4	-3.3	-21.8	2.4	9.9	13.9	-32.1	-0.4	4.9	10.6
234	-5.4	11.6	4.5	21.3	14.3	19.5	-22.6	11.4	13.6	18.8
235	-18.8	-1.3	-8.4	8.0	10.3	13.8	-34.4	-1.4	6.6	11.1
236	-12.6	1.5	-3.1	11.2	8.9	13.0	-24.0	0.9	7.1	10.0
MAXD	-33.7	42.2	-24.1	44.7	41.3	53.1	-75.8	40.6	45.4	51.5
MD	-8.1	11.7	2.0	17.2	16.3	20.8	-24.8	8.9	12.2	18.0
MAD	11.4	13.2	9.4	17.4	16.3	20.8	26.7	14.6	14.9	18.1

Table 20: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the TPSSh functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-17.8	23.8	-6.6	23.4	20.3	27.1	-13.6	23.7	20.5	26.8
2	-22.1	24.6	-9.0	24.5	20.9	28.5	-16.4	25.6	21.1	28.1
3	-19.5	22.1	-8.2	21.9	19.5	26.4	-15.1	22.5	19.7	25.9
4	-22.5	25.7	-9.2	25.6	22.0	29.7	-16.9	26.7	22.0	29.2
5	-20.7	24.4	-8.7	24.0	21.2	28.6	-16.1	24.7	21.3	28.1
6	-22.4	26.4	-9.2	26.1	22.4	30.3	-17.1	27.2	22.4	29.7
7	-20.3	24.8	-8.4	24.2	21.7	28.9	-15.9	24.9	21.5	28.4

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Table 20 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
8	-7.4	9.2	13.0	18.0	8.5	13.6	-72.7	-9.5	-9.7	5.4
9	-6.6	11.0	14.3	19.6	10.2	15.5	-73.9	-6.0	-8.3	7.7
10	-15.1	-3.4	9.6	13.5	5.9	9.9	-72.4	-19.7	-12.7	-0.6
11	-13.3	-0.9	10.4	14.5	7.2	11.3	-72.0	-16.3	-11.4	1.0
12	-6.9	9.9	13.5	18.5	9.3	14.5	-72.7	-8.9	-8.7	6.5
13	-5.0	12.9	15.9	21.4	11.8	17.4	-72.6	-4.4	-6.6	9.7
14	-14.7	-2.9	9.9	13.9	6.1	10.3	-72.2	-19.4	-12.2	-0.2
15	-11.6	2.8	12.4	16.9	9.3	13.8	-72.7	-11.0	-9.3	4.5
16	-4.4	13.9	15.8	21.2	12.1	17.6	-71.9	-4.4	-6.4	10.0
17	-4.5	13.5	16.4	22.0	12.4	17.9	-72.3	-3.9	-6.1	10.3
18	-14.1	-1.8	10.5	14.9	6.9	11.2	-71.8	-18.3	-11.6	1.0
19	-10.9	4.1	13.0	17.8	9.9	14.6	-72.6	-9.3	-9.0	5.4
20	-4.0	14.4	16.2	21.7	12.5	18.1	-71.9	-4.1	-6.0	10.5
21	12.2	29.7	16.1	29.9	31.0	33.5	10.0	30.0	29.6	32.4
22	-3.8	8.6	2.7	14.2	17.8	19.4	-3.1	12.8	15.9	18.1
23	13.4	31.5	17.2	31.9	33.3	35.8	11.3	31.6	31.1	34.7
24	11.1	29.1	15.2	29.8	30.8	32.9	8.9	29.4	28.7	31.9
25	11.3	30.2	15.5	30.6	31.7	34.1	8.8	30.3	29.5	33.1
26	11.2	28.5	15.1	29.0	30.2	32.5	9.0	28.5	28.1	31.3
27	12.1	29.6	15.8	29.6	31.1	33.6	9.5	29.5	29.3	32.4
28	13.9	31.5	17.6	31.5	32.5	35.1	11.8	31.6	31.0	34.2
29	13.8	32.1	17.6	32.5	33.9	36.4	11.7	32.1	31.7	35.2
30	13.1	33.3	17.6	33.3	34.1	36.7	11.1	33.2	32.1	35.9
31	3.4	19.0	9.3	22.7	26.1	28.0	3.5	22.5	23.7	26.6
32	12.9	33.6	17.4	33.7	34.6	37.1	10.7	33.7	32.4	36.3
33	14.6	32.3	18.1	32.3	33.3	36.1	12.2	31.9	31.5	35.1
34	14.7	32.3	18.3	32.2	33.3	35.8	12.3	32.1	31.6	34.9
35	15.2	33.7	19.0	34.1	35.5	38.0	13.0	33.6	33.2	36.8
36	15.4	36.5	19.8	36.5	37.3	39.9	13.1	36.6	35.2	39.1
37	16.1	33.7	19.6	33.7	34.7	37.6	13.6	33.3	33.4	37.0
38	3.3	30.6	10.0	28.6	28.3	34.4	-19.6	26.3	24.8	32.6
39	3.0	31.6	11.6	30.9	28.9	35.5	-22.8	28.6	25.4	33.9

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Table 20 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
40	3.3	30.8	10.2	29.1	29.0	35.4	-20.3	26.3	25.5	33.4
41	3.2	33.5	12.2	33.0	30.8	37.5	-23.4	30.5	27.0	36.0
42	3.9	31.6	10.8	29.8	29.8	36.2	-20.1	26.6	26.3	34.3
43	3.8	34.7	12.8	34.1	31.7	38.6	-23.1	31.5	28.0	37.1
44	3.8	31.5	10.6	29.7	29.7	36.2	-20.2	26.5	26.4	34.4
45	11.3	37.3	17.4	39.6	38.7	48.1	-2.7	34.7	40.7	45.9
46	-9.6	3.6	-5.1	10.0	16.3	21.1	-19.8	2.8	15.4	18.6
47	6.6	27.3	12.4	28.3	28.6	36.0	-3.6	24.4	29.5	33.9
48	11.9	42.2	19.0	45.0	42.6	53.5	-2.5	39.9	45.2	51.1
49	-8.2	12.7	-1.0	18.8	23.1	29.5	-17.6	12.2	23.1	27.2
50	5.3	28.4	12.6	29.7	29.9	38.0	-6.0	25.9	31.2	35.7
51	11.5	37.2	18.5	39.4	39.5	48.7	-1.4	34.7	41.5	46.5
52	12.7	44.6	20.2	47.4	44.5	56.1	-1.4	42.5	47.3	53.5
53	-6.6	16.2	1.1	22.0	26.0	33.0	-16.4	16.0	25.7	30.3
54	5.5	29.8	13.3	31.0	31.1	39.5	-5.8	27.4	32.4	37.2
55	12.9	39.0	19.8	40.8	40.1	49.3	0.7	35.8	42.1	47.0
56	-8.8	27.8	5.5	28.4	21.4	28.9	-15.0	23.9	22.1	28.6
57	-12.3	30.4	4.1	31.3	23.1	31.6	-18.0	27.0	23.9	31.0
58	-9.0	27.6	5.2	28.2	21.3	29.2	-15.1	23.7	22.4	28.7
59	-8.9	31.8	5.3	31.3	23.0	31.7	-17.1	26.9	24.1	31.1
60	-8.8	27.8	5.2	28.2	21.5	29.4	-15.3	23.6	22.6	29.0
61	-12.1	33.3	4.8	34.0	25.2	34.4	-18.3	29.8	26.1	33.9
62	-8.7	27.8	5.3	28.4	21.6	29.6	-15.2	23.6	22.7	29.2
63	12.1	40.1	19.2	38.7	35.1	41.7	-12.2	38.9	33.5	41.8
64	-37.2	4.7	-21.4	9.7	13.1	18.4	-28.2	10.9	11.5	17.3
65	-36.9	-0.5	-22.2	5.3	9.5	14.4	-27.5	6.6	8.2	13.4
66	-36.5	6.1	-21.0	10.8	14.0	19.6	-28.1	11.9	12.3	18.5
67	-34.8	4.8	-20.8	9.6	11.9	17.3	-26.9	10.6	10.6	16.3
68	-36.4	0.7	-21.7	6.6	10.6	15.8	-27.3	7.6	9.5	14.7
69	-36.6	6.7	-21.6	11.2	14.0	19.8	-28.7	12.2	12.5	18.8
70	-35.5	4.6	-21.2	9.5	11.7	17.4	-27.6	10.4	11.2	16.8
71	-36.1	1.1	-21.8	6.9	10.6	16.1	-27.5	7.7	9.8	15.3

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Table 20 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
72	-35.9	7.4	-21.0	11.8	14.7	20.5	-28.2	12.7	13.0	19.5
73	-34.9	5.1	-20.8	9.9	12.1	17.8	-27.3	10.6	11.2	16.9
74	-36.0	1.3	-21.7	7.2	10.8	16.4	-27.5	7.9	9.7	15.3
75	-15.5	-3.4	9.9	13.8	6.3	10.2	-78.2	-20.7	-12.5	-0.5
76	-13.0	0.6	11.4	15.9	8.3	12.8	-76.3	-17.4	-10.6	2.5
77	-13.6	-0.1	9.5	13.9	6.8	11.1	-74.7	-16.8	-11.4	1.2
78	-14.6	-2.3	10.4	14.4	7.1	11.1	-77.2	-19.7	-11.5	0.3
79	-12.5	1.8	11.8	16.6	8.9	13.5	-76.0	-16.2	-10.0	3.7
80	-12.3	1.4	10.8	15.1	8.1	12.4	-73.2	-15.2	-10.2	2.7
81	-14.3	-1.5	10.5	14.9	7.3	11.6	-76.9	-18.9	-11.2	1.1
82	-11.7	2.7	12.6	17.4	9.7	14.4	-75.2	-15.2	-9.1	4.6
83	-12.2	1.5	11.1	15.8	8.5	12.9	-74.0	-15.7	-9.9	3.3
84	-13.3	-0.5	11.4	15.7	8.2	12.5	-76.0	-18.0	-10.3	2.2
85	-6.3	9.8	0.0	12.6	17.4	18.3	-7.4	12.4	13.8	16.7
86	-2.1	13.3	3.5	15.7	20.5	21.4	-2.7	16.0	16.8	19.7
87	1.8	13.4	5.6	15.6	23.4	24.3	0.4	14.6	19.9	22.4
88	-2.4	12.2	3.5	14.9	20.1	20.9	-2.5	14.9	16.2	19.2
89	-5.6	10.5	0.4	13.1	17.7	18.7	-7.0	12.7	14.1	17.1
90	-1.6	14.7	4.3	16.8	20.9	22.0	-1.8	17.1	17.5	20.6
91	-5.8	10.5	0.3	13.0	17.6	18.7	-7.1	12.8	14.0	17.1
92	-1.4	14.8	4.4	17.0	21.1	22.1	-1.6	17.2	17.7	20.5
93	-1.6	13.9	4.0	16.2	21.0	22.0	-2.3	16.4	17.5	20.6
94	-1.4	14.0	4.2	16.3	21.2	22.1	-2.1	16.5	17.5	20.4
95	-1.8	15.2	3.6	17.1	21.0	22.1	-3.4	16.9	17.1	20.1
96	-0.6	15.7	5.4	18.0	22.0	23.1	-0.7	18.2	18.7	21.7
97	-1.6	15.6	3.7	17.4	21.3	22.4	-3.3	17.4	17.4	20.5
98	3.6	15.7	6.9	17.0	24.2	25.3	2.1	16.6	21.2	23.3
99	0.0	15.5	5.2	17.5	21.5	22.6	-1.2	17.3	18.2	21.1
100	-0.3	15.4	5.1	17.6	22.4	23.4	-1.3	17.7	18.8	22.0
101	2.6	16.2	6.7	18.1	21.8	22.8	1.3	17.5	18.3	21.4
102	-0.6	15.7	5.4	18.0	22.1	23.2	-1.0	18.0	18.6	21.7
103	-0.7	16.9	4.7	18.6	22.2	23.4	-2.1	18.8	18.5	21.9

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Table 20 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
104	-0.4	15.7	5.5	18.0	22.3	23.2	-0.8	18.0	18.6	21.6
105	-0.2	14.5	5.5	17.2	22.1	23.1	-0.7	16.8	18.5	21.4
106	-0.1	15.5	5.4	17.7	22.6	23.5	-1.1	17.8	19.0	21.8
107	-11.0	11.6	-0.4	17.0	19.4	24.0	-33.9	11.4	14.2	21.5
108	-14.7	2.5	-4.0	10.7	13.7	17.5	-36.3	2.5	8.8	14.7
109	-10.3	13.8	0.2	18.9	20.6	25.6	-33.7	13.1	15.6	22.9
110	-9.8	13.5	-0.2	17.5	18.6	23.3	-31.3	12.7	13.5	20.8
111	-13.0	5.8	-2.7	13.3	15.5	19.9	-35.6	5.4	10.8	17.1
112	-9.2	15.8	1.4	20.7	22.0	27.0	-33.1	14.7	16.7	24.5
113	-9.4	13.8	0.3	17.9	19.0	23.7	-31.0	13.0	14.1	21.4
114	-12.2	7.5	-2.0	14.6	16.7	21.3	-35.2	6.9	11.8	18.3
115	-8.7	16.2	1.8	21.1	22.4	27.5	-32.7	15.1	17.2	24.8
116	-9.0	14.1	0.5	18.2	19.4	24.1	-31.0	13.1	14.4	21.6
117	-12.0	7.9	-1.8	15.0	16.9	21.6	-35.1	7.2	12.1	18.8
118	-3.5	14.0	1.1	17.9	23.1	28.5	-15.1	13.1	21.8	25.8
119	-0.2	16.5	3.8	17.6	20.1	26.0	-11.7	13.5	20.0	23.5
120	-5.9	9.8	-1.7	14.7	20.6	26.0	-17.0	9.3	19.4	23.0
121	-1.3	16.3	3.8	17.8	20.6	26.3	-12.5	14.2	20.5	24.1
122	-0.5	17.6	3.6	21.1	25.2	31.4	-13.4	16.7	24.7	28.7
123	-0.3	18.1	4.0	19.6	21.4	27.7	-11.9	14.8	21.5	25.2
124	-2.5	15.2	1.8	18.8	24.2	29.8	-15.9	14.7	22.9	26.9
125	1.4	21.3	6.2	22.0	23.7	29.8	-9.4	18.6	23.4	27.5
126	-0.2	18.1	4.5	19.2	21.4	27.5	-11.2	15.5	21.5	24.7
127	-0.4	19.2	4.6	22.6	27.0	33.2	-13.2	18.3	25.9	30.4
128	-24.6	10.0	-6.2	15.2	13.1	18.9	-27.9	10.2	11.9	17.7
129	-25.6	6.0	-7.8	11.7	9.8	15.2	-28.1	6.7	9.0	14.2
130	-23.5	11.1	-5.6	16.1	13.8	20.1	-27.1	11.2	12.9	18.9
131	-23.3	10.1	-6.5	14.9	12.3	18.3	-26.7	10.3	11.5	17.1
132	-24.6	7.2	-7.0	12.9	10.8	16.6	-27.4	7.8	10.2	15.5
133	-23.6	12.5	-5.6	17.2	14.3	21.1	-27.7	12.2	13.5	19.9
134	-23.4	10.0	-6.6	14.9	12.0	18.3	-26.8	10.2	11.8	17.7
135	-24.1	8.0	-6.9	13.5	11.0	17.2	-27.4	8.4	10.8	16.3

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Table 20 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
136	-23.0	13.1	-4.9	17.7	14.9	21.6	-27.2	12.7	14.1	20.4
137	-22.9	10.6	-6.2	15.4	12.5	18.9	-26.5	10.6	12.3	18.2
138	-23.7	8.7	-6.5	14.1	11.5	17.8	-27.2	9.0	11.3	16.8
139	-4.2	15.8	5.3	20.4	21.8	26.2	-25.1	16.8	18.4	24.7
140	-2.4	19.8	7.1	24.2	24.5	29.4	-24.1	20.3	21.1	28.0
141	-2.8	17.7	5.8	21.2	21.3	25.7	-22.8	18.1	18.2	24.5
142	-37.2	-10.7	-26.2	-2.2	10.1	12.3	-38.4	-7.4	1.2	7.5
143	-35.8	-11.8	-25.5	-3.0	9.1	11.3	-35.7	-7.2	0.3	6.0
144	-34.9	-11.9	-25.4	-3.1	9.0	11.4	-35.1	-7.2	0.6	6.3
145	-36.6	-11.7	-25.2	-2.7	9.5	11.7	-37.2	-8.0	1.7	7.4
146	-35.2	-12.7	-24.5	-3.5	8.7	10.7	-34.7	-7.8	0.5	5.9
147	-35.7	-13.3	-24.8	-3.6	8.6	10.9	-34.8	-7.8	0.8	6.3
148	-12.1	-4.6	9.3	12.3	4.9	8.0	-60.9	-24.3	-12.2	-3.6
149	-17.7	-3.2	3.8	8.4	-0.8	3.8	-82.9	-29.1	-19.6	-6.3
150	-31.9	-9.5	-23.3	-2.1	8.4	11.5	-34.1	-5.4	1.6	6.8
151	-8.5	20.5	-8.5	20.6	21.8	27.8	-17.5	18.8	18.1	25.8
152	-9.0	4.7	-1.4	12.2	9.3	13.5	-24.0	3.7	7.7	11.5
153	4.7	23.3	6.9	22.8	18.7	24.3	-14.8	15.3	17.5	22.5
154	-16.4	-2.1	-3.6	8.8	10.6	14.1	-31.1	-1.2	5.4	10.1
155	-7.8	10.9	0.4	16.6	16.0	20.6	-21.4	10.1	13.8	18.3
156	-0.9	18.8	6.7	21.3	18.7	23.6	-21.6	15.6	15.6	21.8
157	-3.6	16.8	2.3	18.9	19.7	25.0	-19.0	13.5	17.7	22.6
158	-12.0	-4.5	9.3	12.3	5.5	8.6	-60.8	-24.2	-11.6	-3.1
159	-12.1	-4.5	9.2	12.1	5.3	8.4	-61.1	-24.4	-11.8	-3.2
160	-31.5	-9.1	-23.0	-1.9	9.0	12.1	-33.9	-5.3	2.1	7.3
161	-5.7	24.0	-5.9	23.8	24.6	30.5	-12.8	24.0	20.7	28.6
162	-12.2	-0.4	-3.4	9.7	8.5	12.1	-23.8	-1.7	5.8	9.1
163	3.3	23.0	7.4	24.0	20.0	26.2	-16.5	18.1	19.9	25.2
164	-18.9	-4.5	-7.3	6.1	8.9	11.8	-30.2	-3.4	3.7	8.0
165	-12.6	-0.1	-2.8	10.2	10.1	13.6	-24.2	0.1	6.6	10.1
166	-4.6	18.3	5.3	21.2	21.2	26.5	-26.6	15.5	17.1	24.4
167	-10.5	9.5	-1.1	16.1	16.3	21.2	-25.1	7.0	13.9	18.6

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Table 20 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
168	-11.9	-4.3	9.5	12.4	5.8	9.0	-60.9	-24.0	-11.4	-2.8
169	-11.9	-4.1	9.5	12.6	5.9	9.0	-61.3	-24.0	-11.4	-2.8
170	-32.3	-10.1	-23.6	-2.8	7.3	10.6	-34.1	-5.9	0.6	5.6
171	-29.4	-0.5	-23.7	4.3	11.6	16.1	-35.7	0.8	4.9	12.2
172	-8.0	5.8	2.2	16.3	11.8	16.4	-24.4	4.5	9.9	14.1
173	-1.7	20.0	4.5	23.3	19.6	25.5	-21.9	17.3	18.1	23.9
174	-13.6	-1.5	-3.9	9.2	9.6	13.1	-25.0	-1.0	6.4	9.7
175	-10.5	14.5	1.7	19.9	20.3	25.7	-32.2	13.1	15.6	23.1
176	-6.5	15.4	3.7	20.7	20.7	26.6	-24.4	16.3	18.3	24.8
177	-11.4	-3.9	9.9	12.8	6.3	9.5	-60.1	-23.6	-10.8	-2.2
178	-12.0	6.2	9.1	14.6	5.7	11.0	-80.5	-14.3	-13.5	2.5
179	-32.0	-9.8	-23.3	-2.5	7.6	10.9	-33.8	-5.7	0.9	5.5
180	-32.3	-9.8	-23.8	-2.6	8.3	11.6	-34.8	-6.1	1.4	6.4
181	-6.1	12.6	3.1	20.8	16.0	21.9	-25.3	10.7	14.9	20.0
182	-5.0	14.6	3.9	22.2	17.2	23.3	-24.5	12.7	16.3	21.7
183	-17.8	-3.5	-6.3	7.0	9.9	12.8	-29.1	-2.7	4.7	8.8
184	-13.1	-1.1	-3.4	9.5	10.0	13.5	-24.4	-0.6	6.7	10.2
185	-11.0	11.1	1.1	18.5	18.7	23.8	-32.0	10.5	13.9	21.0
186	-10.0	8.3	0.8	16.8	16.8	22.0	-26.0	10.1	13.8	19.7
187	-11.1	3.0	13.0	17.4	9.2	13.7	-72.9	-18.5	-10.3	2.9
188	-29.2	2.4	-22.6	6.7	15.2	19.7	-36.3	1.9	7.8	15.2
189	-6.9	14.0	2.9	22.6	17.6	23.4	-27.7	10.9	15.5	21.1
190	-13.2	10.6	-0.4	18.5	19.7	24.4	-35.8	8.7	13.6	20.9
191	-11.9	7.9	-0.7	17.1	17.7	22.5	-29.7	7.7	13.5	19.6
192	-9.8	6.4	14.8	20.0	11.5	16.5	-74.5	-13.7	-8.3	6.3
193	-30.0	2.3	-23.6	6.9	15.3	20.1	-37.7	2.2	7.7	15.3
194	-6.3	15.9	3.7	24.7	19.0	25.5	-28.0	12.6	17.0	23.0
195	-14.2	11.0	-0.1	19.2	20.0	25.1	-37.9	9.0	13.9	21.6
196	-12.7	8.3	-0.4	18.0	18.1	23.3	-31.7	8.7	14.0	20.4
197	-10.4	5.6	14.0	18.9	11.2	15.9	-76.6	-9.4	-8.2	6.5
198	-24.7	11.7	-21.2	11.9	18.3	23.2	-31.9	12.1	11.8	20.2
199	-1.0	23.1	4.4	26.2	22.9	29.2	-22.8	20.7	21.7	28.1

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Table 20 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
200	-5.4	23.4	4.2	25.5	25.6	31.1	-30.1	22.2	20.7	29.0
201	-7.1	21.3	1.7	24.8	25.1	31.1	-23.4	20.4	22.3	28.8
202	-10.7	1.8	12.2	16.5	8.3	12.5	-65.4	-20.3	-10.4	1.6
203	-34.3	-5.2	-26.3	1.1	10.7	14.7	-38.8	-3.0	3.1	9.9
204	-11.6	5.1	-1.7	15.0	12.2	16.9	-27.3	2.5	9.2	13.8
205	-16.9	2.0	-3.5	12.3	14.1	18.0	-35.2	1.4	8.0	13.9
206	-15.9	-0.6	-3.7	10.7	12.4	16.3	-30.8	0.5	8.1	13.0
207	-13.5	0.7	10.8	15.1	6.9	11.3	-74.8	-14.0	-11.4	1.7
208	-24.6	7.9	-20.7	8.4	14.6	18.9	-28.8	10.0	8.5	15.6
209	-5.0	14.9	2.4	20.4	17.0	22.3	-24.1	14.2	15.7	20.9
210	-10.9	12.3	-0.5	16.9	17.7	22.3	-31.9	12.6	13.1	20.1
211	-5.2	13.9	2.1	17.6	17.9	22.5	-20.1	16.3	15.0	21.0
212	-12.2	-1.5	10.1	13.9	6.2	9.8	-65.9	-23.4	-12.3	-1.9
213	-34.4	-8.5	-26.6	-1.5	8.9	12.5	-38.4	-5.6	1.6	7.7
214	-10.8	6.9	1.1	17.8	13.5	18.6	-28.7	6.0	11.5	16.3
215	-19.9	-3.4	-5.8	8.4	11.0	14.7	-37.6	-3.2	5.8	11.0
216	-17.1	0.0	-4.5	11.5	11.5	15.5	-31.0	-0.3	8.0	12.1
217	-12.2	0.3	11.7	15.9	7.4	11.5	-70.8	-20.6	-11.6	0.0
218	-36.2	-6.8	-28.3	-0.1	9.5	13.8	-41.1	-4.0	2.0	8.9
219	-9.7	10.1	1.5	20.2	15.1	20.6	-28.9	9.1	13.0	18.3
220	-17.2	3.2	-4.2	13.7	14.8	18.6	-34.7	2.2	9.1	15.1
221	-17.7	4.0	-4.1	15.0	15.5	20.4	-31.0	4.0	12.2	16.9
222	-9.6	8.0	14.0	18.9	11.4	16.1	-73.1	-2.6	-8.1	7.2
223	-35.0	-5.8	-27.6	0.6	10.3	14.7	-40.5	-3.6	2.9	10.2
224	-4.3	18.1	2.3	22.0	20.1	25.9	-24.7	17.5	18.3	24.3
225	-17.3	0.9	-4.9	11.1	13.3	17.1	-33.7	-0.6	7.6	13.1
226	-15.0	3.7	-2.7	14.4	15.5	20.3	-32.3	5.0	11.4	17.4
227	-13.6	-2.8	9.5	13.1	4.6	8.1	-70.9	-23.5	-13.7	-3.4
228	-33.0	-11.1	-25.9	-4.4	5.7	8.8	-35.7	-7.5	-0.5	4.6
229	-14.4	1.9	-4.3	11.5	8.9	12.8	-29.9	0.4	5.8	10.3
230	-18.9	-3.6	-8.8	5.0	7.8	10.4	-29.9	-4.1	2.5	6.5
231	-17.1	-5.4	-3.4	6.9	7.2	10.8	-28.9	-2.4	4.0	8.1

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Table 20 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
232	-12.5	-1.4	10.6	14.2	6.0	9.6	-70.7	-21.8	-12.4	-1.8
233	-33.5	-5.3	-25.8	0.8	10.2	14.3	-37.9	-2.5	3.6	9.7
234	-8.8	10.2	2.2	20.3	14.8	19.9	-28.0	9.5	13.0	18.0
235	-20.1	-0.7	-8.0	9.4	12.5	16.0	-37.0	-0.9	7.3	13.0
236	-15.6	0.0	-4.7	10.6	9.7	13.7	-28.4	-1.2	6.6	10.1
MAXD	-37.2	44.6	-28.3	47.4	44.5	56.1	-82.9	42.5	47.3	53.5
MD	-10.7	11.4	0.8	17.5	17.4	22.0	-28.6	8.5	11.8	18.4
MAD	13.5	13.5	9.6	17.8	17.4	22.0	30.1	15.1	15.5	18.7

Table 21: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the X3LYP functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-26.5	19.4	-13.0	19.8	18.2	23.8	-22.4	18.9	16.0	22.5
2	-31.9	19.6	-16.3	20.3	18.4	24.6	-26.5	20.1	16.1	23.7
3	-28.4	17.6	-14.9	18.1	17.3	23.0	-24.1	17.7	14.9	21.9
4	-32.7	20.6	-16.8	21.1	19.2	25.6	-27.3	21.1	16.8	24.7
5	-30.3	19.5	-16.0	19.8	18.6	24.7	-25.9	19.3	16.4	23.6
6	-32.8	21.0	-17.0	21.5	19.6	26.1	-27.7	21.4	17.4	25.2
7	-30.1	19.7	-15.8	19.9	18.9	24.9	-25.9	19.4	16.5	23.9
8	-6.9	13.6	16.9	22.7	14.9	19.1	-80.0	-6.4	-10.5	8.4
9	-6.7	15.1	17.7	23.9	16.1	20.5	-82.1	-2.8	-10.0	10.0
10	-17.2	-2.6	10.9	15.5	9.9	13.3	-81.9	-20.0	-15.3	0.0
11	-15.0	0.3	11.9	16.7	11.4	14.8	-81.6	-16.3	-13.8	2.0
12	-6.4	14.3	17.3	23.2	15.6	19.9	-80.0	-5.7	-10.0	9.2
13	-5.0	17.0	19.3	25.7	17.8	22.4	-80.7	-1.1	-8.0	12.5
14	-16.8	-2.1	11.1	15.8	10.1	13.6	-81.7	-19.7	-14.6	0.4
15	-13.2	4.6	14.2	19.4	13.9	17.6	-82.7	-10.4	-11.4	5.7
16	-3.9	18.6	19.9	26.3	18.6	23.2	-79.9	-1.3	-7.1	13.1
17	-4.7	17.5	19.6	26.2	18.3	22.8	-80.5	-0.7	-7.4	13.1

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Table 21 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
18	-16.2	-0.9	11.8	16.9	10.9	14.5	-81.4	-18.5	-14.1	1.9
19	-12.5	6.0	14.8	20.4	14.5	18.4	-82.8	-8.7	-11.5	6.3
20	-3.6	19.1	20.3	26.7	19.0	23.6	-79.9	-1.0	-6.7	13.6
21	8.6	30.3	14.3	30.6	32.8	34.8	4.7	29.8	29.2	32.5
22	-8.6	6.9	-0.7	12.8	18.6	19.8	-9.6	10.7	15.0	17.8
23	8.8	31.4	14.8	32.1	34.8	36.7	5.5	30.7	30.5	34.6
24	6.9	29.4	13.0	30.2	32.5	34.1	3.2	28.8	28.3	32.0
25	6.9	30.4	13.2	31.0	33.3	35.1	2.9	29.6	29.1	33.0
26	7.5	29.0	13.2	29.5	32.1	33.9	3.9	28.3	28.2	32.7
27	8.4	30.1	13.9	30.1	32.8	34.7	4.3	29.2	28.8	32.7
28	10.4	32.2	15.7	32.0	34.1	36.1	6.6	31.2	30.4	34.3
29	9.3	32.1	15.3	32.7	35.4	37.3	6.0	31.3	31.0	34.9
30	9.2	34.3	15.8	34.3	36.2	38.2	5.7	33.2	32.0	36.3
31	-1.5	18.0	6.2	21.8	27.1	28.6	-3.2	20.6	23.1	26.3
32	8.2	33.8	14.8	34.0	35.9	37.9	4.4	33.0	31.6	36.2
33	11.6	33.4	16.8	33.3	35.4	37.6	7.6	32.0	31.2	35.8
34	11.1	32.9	16.3	32.6	34.8	36.7	7.0	31.6	31.3	34.7
35	10.7	33.6	16.6	34.2	36.9	38.9	7.1	32.7	32.8	36.8
36	10.5	36.6	17.2	36.8	38.6	40.6	6.6	35.8	34.6	38.8
37	13.1	34.9	18.2	34.7	36.9	39.1	9.1	33.4	33.1	36.8
38	-2.0	29.5	6.4	27.5	27.9	33.0	-28.9	24.0	21.6	32.9
39	-2.1	31.0	8.8	30.5	29.5	35.0	-32.2	26.9	22.2	31.6
40	-2.0	29.9	6.7	28.1	28.7	34.0	-29.4	24.2	21.8	33.7
41	-1.9	33.1	9.2	32.6	31.5	37.1	-33.1	28.8	24.3	33.9
42	-1.4	30.5	7.2	28.7	29.4	34.8	-29.3	24.5	22.5	34.3
43	-1.2	34.4	9.9	33.8	32.5	38.3	-32.8	29.9	25.1	35.0
44	-1.6	30.5	6.9	28.5	29.3	34.7	-29.5	24.4	22.7	34.5
45	5.3	35.1	12.7	36.7	37.9	45.6	-13.2	30.3	37.1	43.1
46	-13.8	0.9	-8.8	7.0	15.4	19.4	-27.9	-0.9	12.6	16.4
47	-2.6	21.6	4.3	22.0	24.6	30.7	-16.5	16.9	22.9	27.6
48	4.7	39.1	13.4	41.5	41.5	50.4	-14.3	34.6	41.0	48.0
49	-14.0	9.3	-5.9	15.2	22.0	27.3	-27.5	7.7	19.8	24.6

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Table 21 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
50	-4.4	22.6	4.2	23.2	25.9	32.5	-19.7	18.3	24.2	29.4
51	4.0	33.6	12.0	34.9	37.0	44.6	-13.3	29.0	35.9	42.0
52	5.3	41.6	14.6	43.9	43.5	53.0	-13.5	37.2	43.3	51.1
53	-13.2	12.5	-4.4	17.9	24.6	30.3	-27.4	10.9	22.2	27.5
54	-4.6	23.8	4.7	24.4	27.0	33.9	-19.9	19.5	25.5	30.8
55	5.2	35.1	13.2	36.2	37.5	45.0	-11.1	30.0	36.9	42.7
56	-18.4	22.5	-1.9	23.8	18.8	25.0	-25.8	17.9	16.9	23.4
57	-23.3	24.3	-4.5	25.8	19.8	27.0	-30.4	20.2	18.2	25.6
58	-18.6	22.4	-2.3	23.4	18.6	25.1	-26.0	17.7	16.8	23.6
59	-20.1	25.4	-3.9	25.2	19.1	26.3	-29.8	19.8	17.3	25.2
60	-18.6	22.4	-2.5	23.3	18.7	25.3	-26.2	17.5	16.8	23.6
61	-23.8	26.9	-4.4	28.2	21.8	29.5	-31.3	22.7	20.3	28.2
62	-18.6	22.4	-2.5	23.3	18.7	25.3	-26.3	17.5	17.2	23.8
63	6.1	38.7	15.4	37.3	34.7	40.2	-23.1	36.0	29.6	38.6
64	-46.6	0.1	-28.7	5.7	10.8	15.2	-37.5	6.1	7.6	13.7
65	-45.2	-4.6	-28.7	1.7	7.5	11.6	-35.6	2.4	5.1	10.6
66	-45.8	1.6	-28.5	6.7	11.7	16.3	-37.4	7.1	8.6	15.4
67	-43.6	0.4	-28.1	5.4	9.4	13.9	-36.0	5.9	6.9	13.2
68	-44.7	-3.4	-28.4	2.8	8.4	12.8	-35.6	3.4	6.1	11.9
69	-45.9	2.1	-29.1	7.0	11.6	16.4	-38.2	7.3	9.2	15.6
70	-44.4	0.2	-28.6	5.2	9.2	13.9	-36.8	5.7	7.5	13.2
71	-44.5	-3.1	-28.7	2.8	8.4	12.9	-36.0	3.3	6.4	12.1
72	-45.4	2.6	-28.7	7.5	12.1	17.0	-37.8	7.8	8.6	15.8
73	-43.8	0.7	-28.3	5.6	9.6	14.4	-36.6	5.9	7.7	13.5
74	-44.6	-2.9	-28.8	3.0	8.5	13.1	-36.1	3.4	6.0	11.9
75	-16.9	-1.7	11.7	16.2	11.6	14.9	-87.2	-19.9	-13.5	1.5
76	-14.3	2.5	13.2	18.4	13.6	17.2	-85.2	-16.4	-11.5	4.7
77	-15.3	1.4	11.1	16.2	11.5	15.1	-84.1	-16.3	-12.7	3.0
78	-15.8	-0.4	12.2	16.8	12.4	15.7	-86.1	-18.8	-12.4	2.5
79	-14.0	3.6	13.5	19.2	14.0	17.9	-85.1	-15.2	-11.3	5.4
80	-13.9	2.9	12.2	17.4	12.7	16.3	-82.6	-14.8	-11.4	4.5
81	-15.6	0.3	12.2	17.2	12.5	16.0	-86.0	-18.0	-12.4	3.2

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Table 21 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
82	-13.2	4.4	14.2	19.9	14.8	18.7	-84.3	-14.3	-10.5	6.4
83	-13.9	3.0	12.6	18.0	13.2	16.8	-83.3	-15.2	-11.1	5.1
84	-14.7	1.2	12.9	18.0	13.3	16.9	-85.1	-17.2	-11.2	4.3
85	-11.4	8.8	-3.2	11.9	18.1	18.8	-14.2	10.7	13.4	16.1
86	-7.2	12.2	0.8	15.3	21.3	22.1	-9.5	14.1	16.7	19.5
87	-3.3	11.6	2.0	13.8	23.0	23.8	-6.1	11.8	18.4	21.4
88	-7.1	11.4	0.8	14.6	20.9	21.6	-8.9	13.2	16.1	19.1
89	-10.7	9.5	-2.8	12.3	18.3	19.1	-13.8	11.0	13.4	16.7
90	-7.1	13.2	0.9	15.9	21.2	22.0	-8.9	14.9	16.5	19.6
91	-10.7	9.6	-2.9	12.3	18.2	19.1	-13.8	11.1	13.5	16.7
92	-6.9	13.4	1.0	16.0	21.3	22.2	-8.7	15.0	16.7	19.8
93	-6.4	13.1	1.3	15.9	21.9	22.7	-9.0	14.6	17.2	20.0
94	-6.3	13.1	1.4	15.9	22.0	22.7	-8.9	14.6	17.3	20.0
95	-7.4	13.5	-0.6	15.5	20.7	21.5	-10.8	14.5	16.0	19.6
96	-6.1	14.3	1.9	16.9	22.1	23.1	-7.9	16.0	17.4	20.7
97	-7.5	13.7	-0.6	15.7	20.8	21.7	-11.0	14.8	16.1	19.6
98	-1.2	14.0	3.3	15.3	23.9	24.8	-4.4	13.8	19.8	22.3
99	-4.8	14.4	2.2	16.8	22.0	22.9	-7.6	15.4	17.8	20.3
100	-5.3	14.4	2.2	17.1	23.1	23.9	-8.2	15.8	18.6	21.8
101	-1.2	15.7	4.7	18.0	22.9	23.8	-3.9	16.1	18.7	21.6
102	-6.2	14.1	1.8	16.8	22.2	23.1	-8.2	15.6	17.8	20.8
103	-6.6	15.2	0.4	16.9	21.7	22.7	-9.8	16.2	17.2	20.5
104	-6.1	14.2	2.0	16.8	22.4	23.1	-8.1	15.7	17.8	20.8
105	-4.6	13.9	3.0	16.8	22.9	23.7	-6.7	15.3	18.4	21.6
106	-5.1	14.5	2.5	17.1	23.3	24.0	-7.9	15.8	18.8	21.6
107	-17.2	9.2	-4.7	15.0	18.8	22.7	-44.3	8.1	10.7	19.0
108	-20.3	-0.1	-8.4	8.2	12.8	16.0	-45.7	-0.5	5.7	12.1
109	-16.3	11.6	-3.9	17.1	20.3	24.5	-44.0	10.0	12.3	20.7
110	-15.9	11.0	-4.5	15.5	18.0	22.0	-41.4	9.4	10.5	18.8
111	-18.4	3.5	-6.8	11.1	15.0	18.6	-44.8	2.6	7.8	14.8
112	-15.2	13.6	-2.7	18.9	21.7	25.9	-43.4	11.7	13.8	22.5
113	-15.3	11.5	-3.9	15.9	18.5	22.5	-41.0	9.8	10.9	19.1

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Table 21 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
114	-17.8	5.1	-6.3	12.4	16.0	19.9	-44.7	4.0	8.8	15.9
115	-14.8	14.0	-2.4	19.2	22.0	26.2	-43.1	12.0	14.2	22.6
116	-15.1	11.7	-3.8	16.2	18.8	22.8	-41.0	9.8	11.2	19.5
117	-17.6	5.5	-6.2	12.6	16.2	20.1	-44.6	4.2	9.1	16.5
118	-8.7	11.1	-3.0	15.2	22.3	26.8	-24.1	8.9	19.3	24.2
119	-7.3	12.3	-2.1	13.3	17.9	22.7	-22.2	7.9	15.9	20.1
120	-10.8	6.9	-5.8	11.8	19.8	24.3	-25.8	5.4	17.0	21.6
121	-8.9	12.0	-2.4	13.4	18.2	22.9	-23.7	8.4	15.7	20.3
122	-5.8	14.9	-0.6	18.4	24.5	29.6	-22.7	12.5	21.9	26.6
123	-7.5	14.1	-2.1	15.1	19.2	24.4	-22.4	9.3	17.2	21.1
124	-8.9	11.5	-3.5	15.1	22.5	27.2	-26.5	9.6	19.5	24.7
125	-7.4	15.9	-1.2	16.4	20.3	25.3	-21.8	11.7	17.9	23.0
126	-8.2	13.5	-2.2	14.2	18.5	23.6	-22.8	9.3	16.4	20.5
127	-6.9	15.6	-0.5	19.0	25.5	30.6	-23.8	13.3	22.5	27.9
128	-34.5	4.7	-14.1	10.3	10.3	15.2	-38.9	4.5	7.1	13.4
129	-34.8	1.0	-15.1	7.2	7.3	11.9	-38.2	1.5	4.6	10.2
130	-33.3	5.8	-13.9	10.9	10.7	16.0	-38.3	5.3	8.1	14.6
131	-32.9	4.9	-14.7	9.7	9.3	14.3	-37.6	4.5	6.7	13.2
132	-33.7	2.3	-14.5	8.2	8.2	13.1	-37.6	2.5	5.8	11.6
133	-33.5	7.2	-13.8	12.1	11.5	17.1	-38.9	6.4	9.0	15.3
134	-32.9	4.8	-14.7	9.7	9.1	14.3	-37.6	4.5	7.3	13.3
135	-33.3	3.0	-14.6	8.7	8.4	13.6	-37.7	3.0	6.5	12.3
136	-33.1	7.6	-13.3	12.5	11.9	17.6	-38.5	6.8	8.9	15.7
137	-32.5	5.4	-14.4	10.2	9.5	14.8	-37.3	4.8	7.8	14.0
138	-33.1	3.6	-14.3	9.2	8.8	14.2	-37.6	3.5	7.0	13.0
139	-11.6	11.9	-0.2	16.8	19.7	23.5	-36.9	12.1	13.9	21.0
140	-9.6	16.3	1.7	20.8	22.7	26.9	-35.7	15.8	17.1	24.3
141	-9.9	14.0	0.5	17.8	19.4	23.1	-34.1	13.5	14.3	21.0
142	-42.5	-12.5	-30.5	-3.6	10.5	12.3	-44.7	-9.5	0.1	6.6
143	-40.7	-13.6	-29.6	-4.6	9.4	11.2	-41.4	-9.2	-1.1	5.2
144	-39.9	-13.8	-29.4	-4.4	9.6	11.5	-40.7	-9.1	-0.4	5.3
145	-42.0	-13.8	-29.6	-4.4	9.9	11.7	-43.5	-10.4	0.3	6.4

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Table 21 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
146	-40.3	-14.8	-28.8	-5.4	8.8	10.5	-40.6	-10.2	-0.8	4.7
147	-40.8	-15.2	-28.8	-5.0	9.3	11.2	-40.6	-9.8	-0.1	5.8
148	-14.1	-4.9	10.8	14.3	9.1	11.6	-68.5	-25.4	-13.8	-2.9
149	-16.2	1.6	8.8	14.1	6.4	10.2	-89.0	-26.3	-19.3	-2.5
150	-35.2	-9.5	-26.1	-2.1	10.7	13.3	-39.3	-6.0	2.2	7.6
151	-12.6	20.5	-12.0	20.6	23.5	28.3	-23.5	18.2	15.7	24.3
152	-11.8	4.3	-3.4	11.6	10.8	14.2	-30.1	2.5	7.1	11.3
153	1.0	22.4	4.0	21.5	18.9	23.5	-21.7	13.2	15.2	20.6
154	-20.5	-3.7	-6.3	7.7	11.0	14.0	-37.8	-3.1	4.1	9.1
155	-12.3	9.3	-3.4	14.7	15.9	19.7	-29.4	7.2	11.6	16.7
156	-4.1	18.6	4.9	21.3	19.8	23.8	-27.9	14.6	14.2	21.3
157	-9.5	14.2	-2.6	16.1	18.6	23.0	-28.0	9.8	14.4	19.7
158	-14.2	-5.0	10.5	14.0	9.5	12.1	-68.7	-25.4	-13.7	-2.8
159	-14.2	-4.9	10.5	13.9	9.4	11.9	-68.8	-25.5	-13.9	-3.0
160	-34.9	-9.3	-26.1	-2.1	11.1	13.8	-39.3	-6.1	2.3	7.4
161	-10.5	23.4	-10.1	23.2	26.1	30.8	-19.7	22.4	18.1	27.2
162	-15.4	-1.4	-5.9	8.5	9.5	12.5	-29.9	-3.7	5.0	9.1
163	0.0	22.9	5.4	24.0	21.5	26.7	-23.2	16.8	17.8	23.9
164	-22.9	-6.1	-10.2	4.8	9.1	11.5	-36.8	-5.5	1.8	6.9
165	-16.1	-1.6	-5.6	8.8	10.7	13.6	-30.7	-2.4	5.4	8.8
166	-9.3	17.5	2.4	20.5	21.7	26.2	-34.7	13.9	14.7	22.8
167	-15.4	7.9	-5.0	14.2	16.6	20.6	-33.2	4.2	11.6	15.8
168	-14.2	-4.9	10.6	14.1	9.7	12.4	-68.8	-25.3	-13.4	-2.5
169	-14.0	-4.5	10.8	14.4	9.9	12.5	-69.2	-25.1	-13.7	-2.5
170	-35.5	-10.2	-26.3	-2.8	9.7	12.5	-39.1	-6.6	0.7	6.8
171	-32.7	0.4	-26.8	4.9	14.6	18.3	-41.3	0.9	5.0	12.7
172	-10.9	5.3	0.3	16.0	13.8	17.7	-30.8	3.0	9.6	14.1
173	-6.4	18.9	0.9	21.9	20.0	24.9	-31.0	14.7	15.3	21.7
174	-17.1	-3.0	-6.6	7.8	10.2	13.1	-31.4	-3.4	5.0	8.3
175	-16.6	12.5	-2.5	18.1	20.0	24.5	-42.0	10.5	12.1	21.0
176	-12.2	13.4	-0.3	18.9	20.7	25.7	-33.8	13.4	15.2	22.8
177	-13.7	-4.5	11.0	14.5	10.2	12.8	-68.0	-24.9	-13.0	-1.8

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Table 21 – continued from previous page

N	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
178	-11.1	11.2	13.6	20.0	12.6	17.0	-88.1	-11.0	-12.6	7.3
179	-35.2	-9.9	-26.0	-2.6	10.0	12.8	-38.9	-6.4	0.9	7.0
180	-35.8	-10.1	-27.0	-3.0	10.4	13.1	-40.3	-7.0	1.3	6.7
181	-10.3	11.7	0.0	19.7	17.4	22.3	-33.6	8.6	12.9	19.1
182	-9.3	13.7	0.7	21.1	18.5	23.6	-33.0	10.5	14.4	20.8
183	-21.9	-5.2	-9.3	5.6	10.0	12.4	-35.8	-4.9	2.7	8.0
184	-16.6	-2.6	-6.2	8.1	10.5	13.4	-30.8	-3.0	5.3	9.6
185	-16.4	9.4	-2.6	16.9	18.8	23.0	-41.0	8.1	11.2	19.4
186	-14.9	6.4	-2.8	15.1	17.1	21.4	-34.5	7.4	11.7	18.4
187	-15.2	1.8	13.2	18.4	12.5	16.2	-84.7	-21.2	-13.9	2.6
188	-35.1	0.5	-27.5	5.3	16.5	20.3	-44.4	-0.8	6.3	14.6
189	-11.8	12.3	-0.2	21.7	19.1	23.9	-36.6	7.9	13.9	19.7
190	-20.1	7.1	-4.9	16.0	18.9	22.9	-46.5	4.5	10.2	18.3
191	-17.8	4.7	-4.9	14.6	17.4	21.5	-39.3	3.7	10.8	17.4
192	-14.1	5.5	15.1	21.1	14.8	18.9	-86.9	-16.2	-12.2	6.0
193	-36.5	0.1	-29.4	5.0	16.0	20.0	-46.5	-0.7	5.9	14.1
194	-12.0	13.6	-0.1	23.1	19.8	25.2	-37.9	9.1	14.8	21.1
195	-21.2	7.7	-4.6	17.0	19.4	23.7	-48.7	5.1	10.6	19.1
196	-18.9	5.2	-4.5	15.8	18.0	22.4	-41.5	4.9	11.5	18.5
197	-11.8	8.1	16.3	22.1	16.9	20.8	-86.5	-7.9	-9.3	9.1
198	-30.3	11.1	-26.3	11.1	19.7	23.6	-40.4	10.3	10.1	19.1
199	-6.7	21.5	0.3	24.8	23.4	28.7	-33.3	17.5	18.8	26.0
200	-11.5	21.7	0.7	24.5	25.8	30.4	-40.7	19.4	17.8	27.2
201	-14.7	18.1	-4.1	21.8	24.0	29.0	-34.9	15.8	18.6	25.7
202	-14.7	0.1	11.7	16.7	10.7	14.2	-76.2	-23.5	-15.1	-0.4
203	-39.2	-6.3	-30.9	-0.1	12.5	15.8	-45.9	-4.8	2.4	9.8
204	-15.6	3.6	-4.8	13.7	13.3	17.2	-34.6	0.0	7.7	12.8
205	-22.3	-0.6	-7.3	10.3	13.9	17.2	-43.8	-1.8	5.2	12.2
206	-21.2	-3.5	-7.7	8.4	12.2	15.5	-39.2	-3.0	5.7	11.3
207	-14.8	2.9	12.9	18.0	12.4	16.0	-84.2	-13.0	-12.5	3.8
208	-29.6	7.4	-25.2	7.6	15.9	19.4	-36.8	8.0	7.1	15.3
209	-9.9	13.5	-1.2	19.0	17.6	22.1	-33.6	11.3	13.4	19.5

Continued on next page

Table 21 – continued from previous page

<i>N</i>	6-31G**		6-311G**		6-311++G(3df,2p)		def2-SVP		def2-TZVP	
	<i>E_{NCP}</i>	<i>E_{CP}</i>	<i>E_{NCP}</i>	<i>E_{CP}</i>	<i>E_{NCP}</i>	<i>E_{CP}</i>	<i>E_{NCP}</i>	<i>E_{CP}</i>	<i>E_{NCP}</i>	<i>E_{CP}</i>
210	-16.1	10.7	-3.9	15.7	18.0	21.8	-41.3	10.1	10.8	18.7
211	-9.6	12.5	-1.0	16.4	18.3	22.1	-28.5	13.5	13.3	19.9
212	-16.1	-3.2	9.9	14.3	8.8	11.8	-76.2	-26.4	-16.3	-3.1
213	-38.3	-9.0	-30.0	-1.8	11.5	14.6	-44.4	-6.8	1.7	8.1
214	-14.3	6.3	-1.1	17.5	15.9	20.2	-36.2	4.1	10.6	16.0
215	-24.2	-5.0	-8.3	7.5	12.2	15.3	-45.0	-5.3	4.2	10.2
216	-21.6	-2.0	-7.7	10.1	12.6	16.0	-38.6	-3.3	6.6	11.0
217	-15.9	-0.9	11.9	16.9	10.7	14.0	-81.7	-22.9	-15.2	-0.7
218	-40.7	-7.4	-32.4	-0.5	12.0	15.6	-47.9	-5.4	2.1	9.4
219	-13.3	9.6	-0.5	20.2	17.6	22.2	-36.8	7.1	12.6	17.9
220	-22.1	1.4	-7.5	12.4	15.3	18.6	-42.9	-0.4	7.2	13.7
221	-23.9	0.9	-8.9	12.3	15.4	19.5	-40.6	-0.1	9.6	14.1
222	-10.8	11.0	16.4	22.2	17.0	20.9	-83.2	-1.0	-9.1	9.6
223	-39.5	-6.5	-31.7	0.0	12.8	16.4	-47.2	-5.0	3.0	10.3
224	-10.3	16.1	-2.5	19.7	19.8	24.6	-35.5	14.0	15.2	22.8
225	-21.9	-1.2	-8.1	9.6	13.7	16.8	-41.1	-3.2	5.5	11.6
226	-19.9	1.5	-6.3	12.6	16.0	20.0	-41.0	1.9	10.1	16.5
227	-17.3	-4.1	10.0	14.2	7.9	10.9	-81.4	-25.8	-17.1	-4.0
228	-36.3	-11.4	-28.7	-4.6	8.1	10.8	-40.7	-8.5	-0.2	5.1
229	-18.2	0.7	-6.9	10.5	10.4	13.6	-36.9	-1.7	4.7	9.3
230	-23.9	-6.3	-12.5	2.8	6.9	9.0	-36.6	-6.9	-0.3	5.1
231	-20.1	-6.5	-4.5	7.0	9.6	12.7	-34.1	-3.7	4.3	9.2
232	-16.2	-2.6	10.9	15.2	9.3	12.3	-81.4	-24.0	-15.8	-2.3
233	-38.2	-6.2	-29.8	0.3	12.6	16.0	-44.7	-3.9	3.3	10.6
234	-12.6	9.4	0.0	20.0	17.1	21.4	-36.0	7.5	12.6	18.4
235	-25.2	-2.7	-11.6	7.8	12.9	15.8	-45.3	-3.7	4.9	11.2
236	-20.2	-2.4	-7.8	8.9	10.5	13.9	-35.2	-4.1	5.3	9.1
MAXD	-46.6	41.6	-32.4	43.9	43.5	53.0	-89.0	37.2	43.3	51.1
MD	-15.9	9.8	-2.5	16.2	18.0	21.8	-37.2	5.9	9.5	17.1
MAD	17.3	12.3	10.9	16.6	18.0	21.8	37.9	13.1	13.8	17.4

Table 22: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the B2GP-PLYP functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-37.1	38.2	-28.4	38.2	-34.3	38.4	-4.4	36.7
2	-43.3	42.4	-32.8	42.8	-39.4	43.5	-5.6	41.2
3	-38.6	39.6	-29.8	39.7	-35.6	40.2	-5.2	38.9
4	-44.7	46.5	-34.0	46.7	-40.8	47.6	-6.0	45.2
5	-41.7	44.9	-32.4	44.8	-38.7	45.4	-5.6	43.9
6	-45.2	49.9	-34.7	50.2	-41.6	50.9	-6.0	48.7
7	-41.8	48.0	-32.6	48.0	-39.0	48.4	-6.0	47.0
8	-8.0	37.2	7.7	43.0	-76.2	17.7	-19.0	23.7
9	-8.8	41.5	7.6	47.3	-79.3	23.8	-18.9	28.6
10	-17.5	21.0	4.9	35.8	-77.3	3.3	-19.5	17.2
11	-15.5	23.8	5.3	37.0	-77.2	6.8	-19.0	18.9
12	-8.3	40.7	7.3	46.4	-77.1	21.2	-18.8	27.6
13	-7.6	46.3	8.7	51.9	-78.4	28.3	-17.7	33.3
14	-17.5	24.4	4.7	39.1	-77.5	6.5	-19.5	20.5
15	-15.2	31.0	5.5	42.9	-79.9	15.4	-19.2	25.0
16	-7.3	47.9	7.3	52.0	-78.7	28.2	-18.6	33.7
17	-7.8	49.6	8.4	55.2	-78.8	31.5	-18.0	36.7
18	-17.5	28.3	4.7	42.9	-77.8	10.5	-19.3	24.6
19	-15.3	35.4	5.2	46.8	-80.8	20.0	-19.8	28.9
20	-7.3	51.3	7.1	55.3	-79.2	31.4	-18.8	37.0
21	-10.6	47.2	-10.3	44.9	-15.8	46.7	0.3	41.5
22	-18.1	24.8	-13.8	28.2	-19.5	28.3	-1.1	29.0
23	-12.7	51.0	-12.0	49.1	-17.6	50.4	-0.5	46.1
24	-12.6	49.7	-11.6	48.0	-17.5	49.2	-0.8	44.5
25	-13.6	50.8	-12.5	48.9	-18.9	50.1	-1.0	45.5
26	-11.9	48.7	-10.9	46.9	-16.6	48.1	-0.5	43.8
27	-11.2	49.9	-10.9	47.5	-16.5	49.1	-0.2	44.4
28	-10.3	51.4	-10.1	48.8	-15.4	50.7	0.3	45.5

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Table 22 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
29	-12.9	54.6	-12.3	52.6	-17.8	53.9	-0.8	49.5
30	-13.6	57.2	-12.5	54.7	-18.6	56.3	-0.7	51.0
31	-18.0	40.9	-14.7	42.3	-20.7	43.4	-1.3	41.9
32	-14.7	56.8	-13.4	54.5	-20.0	56.1	-1.5	50.9
33	-10.9	55.7	-11.0	53.0	-16.6	54.3	-0.9	49.6
34	-10.1	54.9	-10.1	52.2	-15.4	53.8	0.4	48.9
35	-12.1	59.1	-11.7	57.0	-17.3	58.3	-0.1	54.0
36	-13.5	62.6	-12.4	60.1	-19.0	61.7	0.3	56.4
37	-9.8	59.9	-10.0	57.2	-15.5	58.5	0.2	53.9
38	-25.1	51.5	-20.2	49.4	-50.6	47.3	-9.5	46.3
39	-26.5	57.1	-19.7	56.3	-55.6	54.1	-10.5	51.9
40	-25.8	54.8	-20.7	52.8	-51.9	50.3	-9.6	50.3
41	-28.0	62.3	-21.0	61.5	-58.1	59.1	-10.8	56.9
42	-25.7	58.3	-20.8	56.2	-52.3	53.5	-9.4	53.9
43	-28.2	66.6	-21.4	65.6	-58.7	63.2	-10.8	61.1
44	-26.1	61.0	-21.3	58.9	-52.8	56.2	-9.7	56.6
45	-29.4	70.8	-26.9	71.4	-46.4	67.4	-7.6	71.4
46	-30.0	36.6	-28.3	40.8	-42.3	35.1	-7.8	47.1
47	-23.6	58.0	-20.2	58.0	-35.8	54.6	-5.2	59.3
48	-33.9	79.2	-30.7	80.4	-51.7	76.1	-8.7	79.8
49	-36.4	49.1	-32.3	53.2	-48.2	47.9	-8.9	58.2
50	-27.1	62.8	-22.2	63.2	-40.8	59.8	-5.9	64.8
51	-29.7	72.4	-26.3	72.9	-45.4	69.2	-7.3	73.7
52	-35.7	84.9	-32.3	86.0	-53.4	81.9	-9.4	85.2
53	-38.3	55.5	-33.9	59.3	-50.8	54.5	-9.6	64.2
54	-28.7	67.2	-23.4	67.4	-42.5	64.2	-6.5	69.3
55	-28.9	76.7	-25.5	76.8	-43.7	73.0	-7.2	77.1
56	-32.3	44.0	-19.6	45.7	-37.7	41.4	-6.5	41.0
57	-39.1	49.9	-24.2	52.0	-44.1	47.7	-7.8	46.6
58	-32.8	46.7	-20.3	48.2	-38.2	44.0	-6.8	44.0
59	-35.5	53.7	-23.1	54.1	-42.7	50.1	-8.0	48.8
60	-33.0	49.6	-20.6	51.0	-38.6	46.7	-6.9	46.9

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Table 22 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
61	-41.4	58.9	-26.2	60.9	-46.9	56.7	-8.6	55.5
62	-33.1	52.5	-20.8	54.0	-38.9	49.6	-7.0	49.9
63	-24.2	77.8	-19.0	76.6	-52.4	76.4	-7.9	72.3
64	-51.7	30.7	-38.2	35.6	-43.9	36.9	-7.7	39.3
65	-48.8	26.0	-36.2	31.5	-40.4	33.0	-7.7	35.8
66	-51.7	36.1	-38.7	40.6	-44.5	41.9	-8.1	44.2
67	-47.5	34.6	-36.5	38.6	-41.0	40.0	-6.9	41.7
68	-48.6	31.2	-36.3	36.6	-40.6	38.0	-7.2	41.1
69	-52.5	39.7	-40.1	44.0	-46.0	45.2	-8.7	47.3
70	-48.6	37.6	-37.3	41.7	-42.1	43.2	-7.0	45.0
71	-49.1	34.5	-37.3	39.8	-41.7	41.1	-8.4	44.0
72	-52.1	43.2	-39.8	47.5	-45.7	48.7	-8.6	51.0
73	-48.4	41.0	-37.3	45.0	-42.2	46.3	-6.9	48.4
74	-49.3	37.7	-37.5	43.0	-41.9	44.2	-8.4	47.3
75	-17.2	28.5	6.1	44.0	-82.5	10.4	-19.4	24.9
76	-16.8	36.1	5.2	49.7	-82.7	17.3	-19.6	31.1
77	-16.8	35.2	4.0	47.5	-80.5	17.6	-19.2	29.9
78	-17.0	33.5	5.8	48.4	-82.3	15.2	-18.9	29.5
79	-16.9	40.2	4.8	53.3	-83.1	21.4	-20.2	34.9
80	-15.8	39.8	4.6	51.8	-79.4	22.2	-19.3	34.6
81	-17.3	37.1	5.1	51.7	-82.7	18.8	-19.8	33.1
82	-16.3	43.9	5.3	56.9	-82.5	25.2	-19.7	38.7
83	-16.2	42.9	4.6	55.3	-80.6	24.8	-19.4	38.0
84	-16.5	41.0	5.7	55.4	-82.0	22.6	-19.1	37.0
85	-19.9	37.8	-15.5	39.0	-22.9	39.7	-2.3	39.5
86	-18.5	41.0	-14.6	41.9	-21.1	42.9	-2.6	42.0
87	-17.9	35.1	-15.5	35.9	-21.3	35.5	-1.3	40.4
88	-18.3	40.1	-14.3	41.1	-20.4	41.9	-3.0	41.5
89	-20.0	42.3	-15.8	43.2	-23.3	43.8	-3.4	43.5
90	-18.7	46.0	-14.8	46.5	-20.9	47.7	-2.7	46.0
91	-20.1	42.4	-15.9	43.3	-23.3	43.9	-3.5	43.6
92	-18.5	46.1	-14.6	46.6	-20.7	47.8	-2.5	46.2

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Table 22 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
93	-18.6	45.8	-14.7	46.5	-21.4	47.4	-2.9	46.6
94	-18.5	45.8	-14.7	46.5	-21.4	47.4	-2.6	46.7
95	-17.8	48.8	-14.7	48.9	-21.4	49.9	-2.1	48.5
96	-17.9	50.2	-14.0	50.6	-20.1	51.8	-2.2	50.2
97	-17.9	49.0	-14.8	49.2	-21.7	50.3	-1.8	48.9
98	-16.6	44.3	-15.0	44.1	-20.3	44.3	-0.4	48.2
99	-16.4	49.7	-13.2	50.0	-19.5	50.8	-1.5	49.8
100	-17.9	50.1	-14.2	50.7	-21.0	51.6	-1.7	51.0
101	-14.6	53.5	-12.6	53.8	-17.9	54.2	-2.0	53.3
102	-18.3	52.9	-14.3	53.4	-20.7	54.4	-2.2	53.2
103	-17.8	53.3	-14.7	53.2	-21.4	54.4	-2.0	52.6
104	-18.2	53.0	-14.2	53.5	-20.6	54.5	-2.2	53.2
105	-17.6	52.3	-14.0	53.2	-20.3	53.8	-2.7	53.5
106	-17.8	53.1	-14.2	53.7	-21.0	54.5	-1.4	53.8
107	-33.3	42.2	-24.0	47.2	-58.5	42.0	-11.9	46.5
108	-31.3	33.1	-22.2	40.3	-54.9	33.3	-10.2	40.2
109	-34.2	48.5	-25.0	53.3	-60.0	47.9	-11.9	52.1
110	-31.2	47.5	-23.2	51.1	-55.0	46.7	-11.0	49.9
111	-31.6	40.6	-22.9	47.2	-56.3	40.3	-10.9	46.7
112	-34.4	53.6	-25.3	58.2	-60.8	52.6	-12.2	56.5
113	-31.1	51.2	-23.1	54.7	-55.1	50.3	-10.8	53.6
114	-31.8	45.3	-23.2	51.6	-57.0	44.8	-10.9	51.2
115	-34.1	56.9	-25.1	61.5	-60.6	55.9	-11.3	60.1
116	-31.5	54.4	-23.6	57.9	-55.9	53.3	-11.3	56.7
117	-31.9	48.6	-23.3	54.8	-57.1	48.0	-10.9	54.3
118	-31.1	55.5	-28.9	58.3	-44.8	54.2	-8.7	63.2
119	-23.9	57.2	-21.9	57.6	-37.5	53.9	-5.9	60.8
120	-30.8	51.5	-29.1	54.9	-43.6	50.7	-8.0	60.8
121	-25.7	57.2	-22.7	57.9	-39.2	54.5	-6.6	61.2
122	-29.7	63.1	-28.1	65.5	-45.0	61.6	-7.5	69.8
123	-24.9	63.1	-22.9	63.6	-38.4	59.5	-6.3	66.4
124	-31.5	60.6	-30.1	62.9	-47.4	59.4	-9.0	68.2

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Table 22 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
125	-25.4	65.3	-23.1	65.0	-38.3	62.1	-6.6	67.6
126	-25.3	62.6	-22.7	62.8	-38.4	59.5	-6.7	65.9
127	-32.1	67.4	-29.7	69.7	-47.5	65.9	-8.7	74.3
128	-42.7	37.0	-25.7	42.6	-44.9	38.2	-9.4	41.9
129	-41.4	33.3	-24.7	39.4	-42.6	35.0	-9.4	38.7
130	-41.7	41.9	-25.8	47.0	-44.5	42.9	-8.8	46.6
131	-39.8	40.8	-25.2	45.4	-42.4	41.8	-8.1	45.0
132	-40.9	38.5	-24.7	44.4	-42.6	40.1	-8.8	43.8
133	-43.5	46.6	-27.1	51.6	-46.5	47.4	-10.6	50.7
134	-40.1	43.9	-25.5	48.5	-42.7	44.9	-8.4	47.8
135	-41.2	42.3	-25.4	48.1	-43.4	43.7	-9.8	47.6
136	-43.1	50.0	-26.8	55.1	-46.2	50.8	-9.8	54.3
137	-40.2	47.5	-25.7	52.1	-43.0	48.3	-8.4	51.5
138	-41.2	45.9	-25.5	51.6	-43.5	47.3	-9.8	51.1
139	-29.8	54.7	-21.0	59.5	-53.3	55.8	-9.0	59.5
140	-30.9	66.0	-22.4	70.6	-55.4	66.6	-9.6	69.9
141	-28.0	63.5	-20.7	67.0	-50.8	63.9	-8.7	66.1
142	-47.6	14.1	-39.7	21.2	-50.2	17.6	-12.2	27.7
143	-44.4	7.0	-37.5	14.1	-45.5	11.7	-11.5	20.6
144	-43.1	4.2	-37.0	11.6	-44.4	9.2	-10.2	18.4
145	-46.3	13.5	-38.0	21.0	-48.0	17.3	-11.1	28.0
146	-43.1	6.4	-35.8	13.8	-43.7	11.4	-9.9	20.8
147	-43.1	3.6	-35.7	11.6	-43.2	9.3	-9.3	19.0
148	-13.1	10.3	5.5	24.9	-63.8	-11.0	-17.8	5.2
149	-12.5	25.3	4.1	33.7	-80.6	-2.0	-22.3	12.5
150	-37.3	4.4	-32.9	9.5	-41.1	8.0	-7.3	16.0
151	-25.9	34.5	-29.2	33.4	-36.7	32.8	-6.5	31.9
152	-18.7	20.6	-13.7	26.8	-35.5	19.4	-4.9	23.2
153	-13.5	37.1	-13.7	35.9	-34.7	29.5	-5.3	31.1
154	-28.3	15.5	-17.9	25.2	-44.7	16.5	-9.4	23.1
155	-23.7	30.7	-18.7	35.1	-39.5	29.5	-6.3	33.2
156	-19.6	37.8	-13.9	39.8	-42.7	34.6	-7.2	35.0

Continued on next page

Table 22 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
157	-23.7	34.6	-19.9	36.2	-40.9	31.3	-7.2	35.4
158	-13.5	13.1	5.1	27.6	-64.3	-8.1	-17.6	8.6
159	-13.4	13.2	5.1	27.7	-64.2	-8.0	-17.7	8.6
160	-37.4	7.4	-33.1	12.5	-41.4	10.8	-7.1	19.3
161	-25.5	39.3	-29.1	38.2	-34.6	39.1	-5.7	36.8
162	-21.7	16.8	-16.2	25.1	-34.9	15.1	-6.4	22.2
163	-17.2	41.0	-15.2	41.8	-39.3	35.9	-6.1	37.2
164	-29.8	15.5	-21.4	24.6	-42.6	16.5	-10.3	23.4
165	-23.5	21.9	-17.2	30.5	-36.7	21.9	-7.7	27.7
166	-26.5	40.0	-18.2	42.4	-50.9	37.3	-9.5	39.7
167	-27.6	33.1	-21.6	38.2	-44.2	30.4	-7.2	36.7
168	-13.7	16.9	4.9	31.6	-64.6	-4.3	-17.6	12.7
169	-13.5	17.6	5.1	32.1	-64.9	-3.7	-17.6	13.1
170	-38.3	10.1	-33.8	15.3	-41.5	13.9	-8.7	21.5
171	-37.9	23.3	-36.9	25.9	-46.3	24.2	-8.8	29.8
172	-20.8	29.0	-13.5	38.3	-39.2	27.5	-6.1	32.3
173	-22.1	43.0	-18.5	45.5	-44.8	39.9	-6.6	41.3
174	-24.2	24.2	-18.0	33.1	-37.2	24.5	-7.7	30.9
175	-32.1	40.3	-22.0	44.9	-56.0	39.2	-10.4	42.5
176	-28.6	42.7	-20.8	47.1	-48.5	43.8	-8.5	46.1
177	-13.3	21.2	5.3	35.8	-63.9	0.0	-17.2	17.0
178	-10.7	44.7	5.0	49.8	-82.9	22.7	-20.5	31.3
179	-38.1	14.3	-33.6	19.4	-41.4	18.0	-8.5	25.7
180	-38.6	14.3	-34.3	19.3	-42.7	17.6	-8.3	26.3
181	-24.0	40.3	-17.9	47.2	-45.3	38.1	-7.1	41.9
182	-24.0	42.4	-18.1	48.7	-45.7	40.2	-7.1	43.5
183	-29.1	23.9	-20.9	33.0	-42.0	24.6	-9.6	31.9
184	-23.8	28.3	-17.6	37.2	-36.7	28.7	-7.4	35.1
185	-31.1	41.2	-21.3	47.5	-54.2	40.7	-10.2	44.8
186	-28.1	39.8	-20.3	46.9	-46.0	41.8	-8.0	45.8
187	-17.2	25.5	3.5	37.8	-82.4	1.9	-22.3	18.3
188	-43.1	22.2	-41.2	24.8	-52.3	21.6	-9.9	30.2

Continued on next page

Table 22 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
189	-27.1	37.3	-20.6	45.1	-50.3	34.0	-8.9	38.5
190	-36.5	35.8	-26.7	42.9	-61.6	34.0	-13.4	40.5
191	-32.4	34.9	-24.9	42.6	-52.5	34.8	-11.0	41.1
192	-17.8	32.7	3.5	44.1	-86.3	10.2	-22.8	24.9
193	-44.9	25.4	-43.3	28.2	-54.6	25.2	-11.5	33.5
194	-29.0	42.2	-22.4	50.1	-53.2	38.7	-9.6	43.3
195	-38.9	40.0	-27.3	47.6	-65.1	38.2	-14.2	44.6
196	-34.7	39.3	-25.8	47.8	-55.9	39.9	-11.9	45.7
197	-16.1	39.0	5.0	50.6	-86.5	22.4	-20.6	32.3
198	-42.7	38.2	-42.3	37.6	-52.3	37.9	-10.3	41.5
199	-26.9	51.6	-23.6	54.6	-51.5	48.7	-8.3	50.7
200	-34.3	55.9	-25.7	58.4	-61.7	54.6	-12.2	55.5
201	-35.3	53.6	-29.3	56.7	-54.5	52.3	-10.2	55.7
202	-15.7	22.1	4.1	34.6	-72.7	-1.8	-21.1	15.0
203	-44.1	15.2	-40.9	19.4	-50.4	17.2	-10.6	25.4
204	-25.9	27.0	-19.6	35.3	-43.2	24.3	-9.2	30.7
205	-33.7	26.7	-23.2	35.8	-54.0	26.3	-12.3	33.6
206	-30.5	26.1	-21.8	35.7	-47.1	27.5	-9.7	34.9
207	-15.9	30.2	5.4	42.8	-80.6	14.1	-19.4	24.1
208	-38.5	30.7	-37.7	30.1	-45.0	31.8	-9.0	34.2
209	-25.1	40.1	-20.0	44.9	-46.4	39.0	-7.5	41.0
210	-32.2	40.8	-23.4	44.9	-55.5	41.0	-11.4	43.3
211	-25.2	43.1	-20.1	46.2	-42.5	45.1	-8.3	45.7
212	-15.1	15.0	4.0	28.2	-70.9	-8.5	-20.1	8.5
213	-40.9	8.6	-37.8	13.5	-46.6	11.3	-8.4	20.2
214	-25.1	26.5	-16.3	36.2	-45.0	25.4	-6.6	30.5
215	-32.5	18.0	-20.5	28.8	-51.7	18.6	-9.9	27.7
216	-30.3	23.1	-21.4	33.0	-45.9	22.8	-9.2	30.3
217	-16.3	21.0	4.5	34.7	-77.6	-1.6	-20.8	14.3
218	-45.2	13.0	-42.2	17.6	-52.0	15.5	-10.7	23.8
219	-27.4	32.9	-19.5	41.9	-49.0	31.4	-9.3	35.2
220	-34.5	27.5	-25.3	36.7	-54.2	26.4	-11.9	34.0

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Table 22 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
221	-35.0	29.0	-25.4	38.5	-50.2	29.0	-9.4	36.8
222	-14.9	36.3	5.4	45.5	-82.9	23.7	-19.8	28.0
223	-44.6	17.0	-42.1	21.3	-52.0	19.0	-10.5	27.9
224	-27.3	41.2	-22.9	44.4	-50.0	40.2	-8.9	41.9
225	-32.9	26.6	-23.7	35.7	-51.0	25.4	-11.5	34.0
226	-33.4	32.5	-24.8	41.7	-52.9	33.9	-10.6	40.8
227	-15.4	12.2	4.8	26.3	-75.3	-10.1	-19.8	5.8
228	-35.9	3.0	-32.5	7.7	-39.8	6.3	-5.9	14.8
229	-25.2	16.7	-18.5	24.9	-42.3	15.2	-7.9	21.0
230	-28.2	11.1	-21.0	18.5	-40.3	10.9	-8.8	18.5
231	-24.9	15.1	-13.9	26.1	-37.9	18.6	-6.1	24.5
232	-15.3	16.2	4.7	29.9	-76.1	-5.7	-19.8	9.9
233	-41.8	11.0	-38.8	15.3	-48.0	13.7	-8.2	21.9
234	-25.2	29.3	-17.5	38.4	-46.9	28.2	-7.6	31.7
235	-34.1	19.8	-25.2	28.7	-52.6	19.6	-9.6	28.7
236	-27.2	21.6	-20.0	30.6	-41.3	20.7	-8.0	27.8
MAXD	-52.5	84.9	-43.3	86.0	-86.5	81.9	-22.8	85.2
MD	-27.4	39.4	-18.6	44.2	-47.3	36.1	-9.3	40.7
MAD	27.4	39.4	20.5	44.2	47.3	36.6	9.4	40.7

Table 23: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the B2PLYP functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-12.3	25.4	-1.5	25.5	-8.6	24.8	22.8	27.7
2	-16.5	25.8	-4.0	26.1	-11.7	26.0	23.7	28.7
3	-14.1	23.7	-3.3	23.8	-10.2	23.5	22.0	26.8
4	-17.0	26.7	-4.3	27.0	-12.3	26.8	24.3	29.6
5	-15.2	25.6	-3.7	25.6	-11.2	25.2	23.5	28.6
6	-17.1	27.0	-4.4	27.3	-12.6	27.1	24.6	30.1

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Table 23 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
7	-15.1	25.7	-3.7	25.7	-11.3	25.3	23.5	28.7
8	10.7	27.0	30.7	35.3	-55.4	8.6	6.6	21.9
9	10.7	28.0	31.3	36.2	-57.6	11.5	7.4	23.6
10	-2.7	8.8	21.7	25.4	-61.8	-8.1	-1.6	10.8
11	-0.8	11.3	22.7	26.5	-61.4	-4.7	-0.1	12.5
12	11.0	27.4	30.9	35.5	-55.6	9.1	7.4	22.7
13	12.2	29.7	32.8	37.8	-56.3	13.0	9.0	25.3
14	-2.5	9.1	21.8	25.6	-61.8	-7.8	-1.4	11.0
15	1.1	15.2	25.0	29.2	-62.2	0.7	2.0	15.9
16	13.1	31.0	33.1	38.1	-55.8	12.6	9.2	25.7
17	12.4	30.0	33.0	38.2	-56.3	13.3	9.2	25.8
18	-2.0	10.1	22.4	26.4	-61.6	-6.9	-0.7	12.1
19	1.8	16.4	25.7	30.0	-62.2	2.2	2.3	16.9
20	13.3	31.4	33.3	38.4	-56.0	12.8	9.4	26.0
21	22.6	41.1	26.8	41.2	20.2	41.1	39.6	42.6
22	5.4	18.7	11.6	23.7	5.6	22.6	25.1	27.4
23	22.1	41.6	26.6	42.2	20.2	41.7	40.4	43.6
24	20.3	39.5	24.9	40.2	18.1	39.7	38.0	41.1
25	21.3	41.3	26.0	41.8	18.8	41.2	39.8	43.0
26	20.9	39.3	25.3	39.8	18.9	39.3	38.1	41.1
27	22.4	40.7	26.4	40.7	19.7	40.5	39.3	42.4
28	23.6	42.2	27.6	42.0	21.2	42.0	40.3	43.4
29	22.5	42.2	27.0	42.7	20.6	42.3	40.8	44.2
30	22.7	44.4	27.9	44.6	20.9	44.2	42.2	45.5
31	12.6	29.1	18.6	32.5	12.1	32.0	33.1	35.8
32	22.5	44.4	27.6	44.7	20.3	44.4	42.3	45.8
33	24.5	43.1	28.3	43.0	21.8	42.5	40.9	44.4
34	24.0	42.6	27.8	42.4	21.4	42.1	40.6	43.8
35	23.8	43.7	28.3	44.2	21.8	43.6	42.2	45.8
36	24.8	47.2	29.9	47.4	22.5	47.1	45.1	48.6
37	25.8	44.4	29.6	44.3	23.2	43.8	42.3	45.7
38	8.0	34.2	13.7	32.0	-15.4	29.2	28.1	34.8

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Table 23 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
39	9.3	36.7	17.0	36.0	-17.0	33.0	30.4	37.8
40	7.9	34.3	13.9	32.4	-15.9	29.3	28.7	35.6
41	9.7	38.7	17.8	38.1	-17.3	35.0	32.1	40.0
42	8.4	34.8	14.2	32.8	-15.9	29.5	29.3	36.2
43	10.5	40.0	18.5	39.2	-17.0	36.0	33.1	41.2
44	8.1	34.6	13.9	32.6	-16.2	29.2	29.1	36.0
45	19.2	43.7	23.9	45.2	4.5	40.0	46.8	51.2
46	-3.0	9.8	0.0	14.7	-13.5	8.3	21.1	24.0
47	8.7	27.7	12.3	27.3	-2.4	23.6	30.1	33.4
48	20.0	48.3	25.8	50.6	4.8	44.9	51.5	56.5
49	-0.9	18.7	4.7	23.7	-10.8	17.5	28.9	32.2
50	8.0	29.1	12.8	29.0	-4.4	25.3	32.0	35.6
51	17.4	41.5	22.6	42.8	3.6	37.9	45.3	49.5
52	21.0	50.8	27.2	53.1	5.9	47.5	53.9	59.2
53	0.6	21.9	6.6	26.6	-9.9	20.9	31.7	35.5
54	8.1	30.2	13.4	30.1	-4.3	26.5	33.1	37.0
55	18.8	43.0	23.9	44.0	5.8	39.0	45.9	50.0
56	-4.8	28.2	8.4	29.1	-8.8	24.7	23.9	28.8
57	-8.3	30.2	7.0	31.5	-11.6	27.1	26.1	31.1
58	-5.2	27.8	7.9	28.6	-9.2	24.3	23.9	28.7
59	-5.0	31.7	7.6	31.1	-10.9	27.1	25.4	30.8
60	-5.3	27.7	7.6	28.4	-9.5	24.0	23.8	28.7
61	-8.2	32.8	7.7	33.9	-11.8	29.6	28.0	33.8
62	-5.4	27.6	7.6	28.4	-9.7	23.9	23.8	28.7
63	14.4	41.7	21.2	40.7	-10.9	39.5	35.8	42.9
64	-28.0	9.6	-13.7	14.2	-20.0	14.7	16.7	20.9
65	-27.6	5.0	-14.3	10.4	-19.1	11.1	13.9	17.4
66	-27.5	10.7	-13.6	15.0	-20.0	15.5	17.0	21.8
67	-25.8	9.7	-13.5	13.8	-18.9	14.4	15.5	19.7
68	-27.0	6.2	-13.9	11.4	-18.9	12.1	14.8	18.5
69	-27.8	11.0	-14.2	15.1	-20.8	15.5	17.3	21.6
70	-26.6	9.5	-14.0	13.5	-19.6	14.2	15.8	19.7

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Table 23 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
71	-27.1	6.2	-14.3	11.4	-19.4	11.9	14.6	18.5
72	-27.3	11.5	-13.9	15.5	-20.5	15.9	17.3	22.3
73	-26.2	9.7	-13.8	13.8	-19.5	14.2	16.1	20.0
74	-27.1	6.4	-14.3	11.5	-19.5	12.0	14.7	18.7
75	-0.3	11.5	25.1	28.7	-64.1	-5.6	1.9	14.1
76	1.6	14.8	26.2	30.2	-62.6	-2.9	3.7	16.5
77	0.9	13.9	24.2	28.1	-61.3	-2.6	2.8	15.0
78	0.3	12.2	25.2	28.9	-63.4	-4.9	2.8	14.7
79	1.9	15.6	26.3	30.7	-62.6	-1.9	3.6	17.3
80	2.1	15.2	25.1	29.2	-59.9	-1.1	3.2	16.5
81	0.3	12.7	25.1	29.1	-63.4	-4.4	2.5	15.1
82	2.5	16.3	26.9	31.3	-61.9	-1.2	4.3	18.1
83	2.1	15.3	25.5	29.7	-60.7	-1.6	3.5	17.0
84	1.1	13.4	25.8	29.7	-62.7	-3.7	3.2	16.0
85	3.0	19.8	9.5	22.6	1.8	22.1	24.0	25.9
86	7.4	23.5	13.6	26.1	6.8	25.8	26.8	29.1
87	6.6	18.6	10.6	20.9	4.4	19.1	25.9	28.1
88	6.7	22.3	13.1	25.0	6.5	24.6	25.5	28.1
89	3.3	20.2	9.6	22.7	1.9	22.2	23.5	25.9
90	7.0	24.1	13.3	26.3	6.9	26.3	26.6	28.8
91	3.3	20.3	9.6	22.7	1.9	22.3	23.6	26.0
92	7.1	24.2	13.5	26.4	7.0	26.4	26.7	29.0
93	7.9	24.0	14.0	26.5	7.1	26.1	27.0	29.5
94	8.0	24.1	14.0	26.5	7.1	26.2	27.3	29.6
95	6.4	23.8	11.8	25.6	4.8	25.3	25.6	28.2
96	7.8	25.0	14.2	27.2	7.8	27.2	27.3	29.7
97	6.2	23.7	11.6	25.6	4.4	25.4	25.7	28.2
98	7.7	20.3	11.2	21.7	5.3	20.4	26.5	28.3
99	8.7	24.7	14.2	26.7	7.5	26.3	27.1	29.3
100	8.7	25.0	14.7	27.4	7.6	27.0	28.3	30.5
101	10.9	25.1	15.5	27.1	9.7	26.3	27.2	29.4
102	7.6	24.7	14.0	27.0	7.3	26.8	27.3	29.6

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Table 23 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
103	7.1	25.1	12.7	26.8	5.6	26.8	26.8	29.1
104	7.7	24.7	14.1	27.1	7.4	26.8	27.3	29.7
105	8.4	23.9	14.6	26.6	7.9	26.0	27.0	29.8
106	8.8	25.0	14.8	27.4	7.8	27.0	28.5	30.4
107	-4.6	17.0	4.6	21.7	-27.8	16.2	19.2	25.6
108	-7.6	8.9	1.2	15.7	-29.5	8.5	14.8	19.5
109	-3.9	19.0	5.3	23.5	-27.6	17.8	20.8	27.1
110	-4.0	18.1	4.4	21.6	-25.8	16.8	18.5	24.7
111	-6.1	11.8	2.4	18.1	-28.9	11.1	16.5	21.8
112	-3.1	20.6	6.2	25.0	-27.3	19.1	21.7	28.3
113	-3.6	18.5	4.8	22.0	-25.5	17.2	19.1	25.2
114	-5.6	13.2	2.9	19.2	-28.7	12.2	17.2	23.0
115	-2.8	20.9	6.5	25.2	-27.1	19.3	22.3	28.6
116	-3.5	18.6	4.8	22.1	-25.7	17.1	19.2	25.3
117	-5.5	13.4	3.0	19.3	-28.7	12.4	17.5	23.1
118	3.2	19.5	7.1	23.3	-8.3	18.3	28.0	31.2
119	4.1	19.1	6.6	19.4	-7.9	15.4	23.1	25.7
120	1.4	16.0	4.6	20.4	-9.5	15.3	26.2	29.1
121	3.1	19.0	6.6	19.7	-8.7	16.1	23.2	26.1
122	5.8	22.6	9.3	26.0	-7.2	21.2	30.5	33.5
123	4.4	21.1	7.1	21.5	-7.3	17.1	24.6	27.6
124	3.3	19.9	6.6	23.1	-10.3	18.7	28.1	31.6
125	5.1	23.1	8.4	23.0	-6.3	19.5	25.6	28.9
126	3.7	20.2	6.8	20.4	-7.8	16.8	23.7	26.7
127	5.4	23.6	9.6	26.8	-7.6	22.2	31.2	34.8
128	-18.0	13.0	-1.6	17.7	-19.2	13.4	16.0	20.3
129	-18.9	9.3	-2.8	14.6	-19.2	10.4	13.5	17.2
130	-16.9	14.0	-1.4	18.2	-18.7	14.1	16.8	21.1
131	-16.9	13.0	-2.4	17.0	-18.5	13.2	15.4	19.5
132	-18.0	10.4	-2.3	15.5	-18.6	11.4	14.5	18.2
133	-17.2	15.0	-1.3	19.2	-19.2	14.9	16.9	21.8
134	-17.0	12.8	-2.5	16.8	-18.6	13.1	15.5	19.3

Continued on next page

Table 23 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
135	-17.7	10.9	-2.4	15.9	-18.8	11.7	14.5	18.6
136	-16.9	15.3	-0.9	19.5	-18.9	15.3	17.6	22.3
137	-16.7	13.2	-2.2	17.2	-18.5	13.4	16.0	19.9
138	-17.5	11.4	-2.1	16.3	-18.7	12.1	14.9	19.0
139	-2.2	17.2	6.4	21.5	-23.9	17.5	20.7	26.1
140	-0.6	20.9	8.1	25.0	-23.1	20.7	23.3	29.1
141	-1.2	18.7	6.6	22.0	-22.0	18.4	20.4	25.4
142	-26.7	-2.5	-17.2	5.3	-28.3	0.5	8.9	13.9
143	-26.2	-4.3	-17.3	3.6	-26.3	0.0	6.9	11.8
144	-25.4	-4.1	-17.0	4.0	-25.6	0.4	7.8	12.4
145	-24.8	-2.2	-14.8	6.1	-25.6	1.2	10.3	14.8
146	-24.4	-3.9	-15.1	4.4	-23.9	0.7	8.5	12.4
147	-24.4	-3.8	-14.8	5.1	-23.6	1.5	9.4	13.6
148	1.0	8.3	22.1	25.0	-49.0	-11.6	-0.6	8.4
149	2.6	16.9	23.6	27.9	-64.3	-10.0	-1.1	12.3
150	-17.9	2.3	-11.4	8.1	-20.5	5.5	11.9	15.9
151	2.7	30.6	2.8	30.5	-5.8	28.8	26.4	32.9
152	0.4	13.2	6.6	19.6	-14.3	12.2	15.3	18.6
153	13.1	30.4	14.5	29.5	-5.8	22.5	24.2	28.7
154	-10.3	3.6	0.6	12.9	-25.3	4.1	10.1	14.3
155	-0.8	16.7	5.5	21.2	-14.6	15.3	18.7	22.6
156	4.6	23.6	11.2	25.6	-16.1	20.1	20.1	25.3
157	1.7	20.7	6.4	22.3	-13.4	17.4	21.5	25.4
158	0.5	7.9	21.6	24.5	-49.4	-11.9	-0.5	8.4
159	0.7	8.2	21.7	24.6	-49.3	-11.8	-0.4	8.4
160	-18.0	2.1	-11.6	7.9	-20.8	5.2	12.0	16.0
161	4.1	32.7	4.3	32.6	-2.5	32.4	28.4	35.0
162	-1.6	9.3	5.1	17.8	-13.3	7.9	14.1	16.9
163	11.5	30.1	15.4	31.4	-7.7	25.4	26.3	30.8
164	-11.5	2.2	-2.3	11.0	-23.3	2.8	9.0	12.8
165	-2.9	8.9	4.7	17.6	-14.3	9.0	14.4	17.2
166	0.8	23.0	9.6	25.3	-21.3	19.8	21.5	27.7

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Table 23 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
167	-1.2	17.5	5.9	22.5	-16.0	14.5	21.0	24.5
168	0.4	7.8	21.6	24.5	-49.7	-12.0	-0.3	8.6
169	0.7	8.4	21.9	24.9	-49.8	-11.6	-0.1	8.9
170	-18.0	2.0	-11.2	8.0	-20.0	5.5	11.4	15.4
171	-12.9	13.8	-9.0	17.3	-19.5	14.4	17.7	23.7
172	2.9	16.0	11.7	25.5	-13.1	15.0	19.1	22.4
173	7.0	27.1	12.0	29.9	-13.2	23.9	24.7	29.9
174	-4.1	7.2	3.4	16.3	-15.3	7.7	13.7	16.4
175	-4.2	19.8	6.2	24.1	-26.2	18.0	20.4	26.8
176	1.7	22.6	10.3	27.2	-16.1	23.3	24.8	30.3
177	0.8	8.2	21.9	24.8	-49.0	-11.6	0.1	9.0
178	7.2	25.1	28.0	33.1	-62.9	4.1	4.3	20.4
179	-17.8	2.2	-11.0	8.1	-19.8	5.6	11.6	15.6
180	-19.0	1.1	-12.7	6.8	-22.0	4.0	11.1	15.1
181	5.4	23.0	13.1	30.1	-13.4	21.0	24.2	28.5
182	6.4	24.8	13.8	31.4	-12.8	22.8	25.5	30.1
183	-10.8	2.7	-1.8	11.5	-22.7	3.1	9.8	13.5
184	-3.8	7.5	3.7	16.5	-14.9	7.9	13.9	16.6
185	-4.5	16.8	5.8	22.9	-25.8	15.8	19.0	25.1
186	-1.3	16.2	7.4	23.5	-17.3	17.9	20.9	25.9
187	2.9	16.5	27.4	31.5	-60.3	-5.4	2.8	16.0
188	-14.6	14.0	-9.2	18.1	-21.8	13.3	19.6	25.4
189	6.7	26.0	15.6	34.5	-13.5	23.1	27.1	31.5
190	-5.4	17.2	6.0	24.5	-28.2	15.0	20.4	26.4
191	-1.4	17.1	7.9	25.6	-19.1	17.0	22.2	27.1
192	4.0	19.7	29.2	34.0	-62.4	-1.0	4.4	19.1
193	-15.7	13.5	-10.7	17.7	-23.3	13.1	19.0	25.2
194	6.8	27.3	15.8	35.9	-14.2	24.3	28.3	32.9
195	-6.4	17.6	6.4	25.3	-30.1	15.4	20.9	27.1
196	-2.1	17.8	8.5	26.8	-20.6	18.2	23.1	28.1
197	4.2	19.8	29.1	33.7	-63.7	4.7	6.1	20.8
198	-13.2	19.9	-10.4	20.5	-21.0	19.6	20.8	27.6

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Table 23 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
199	8.8	30.9	13.6	34.3	-13.0	28.1	30.0	35.0
200	0.8	28.1	9.9	30.6	-24.3	26.3	26.4	33.4
201	0.8	26.9	8.2	30.4	-15.8	25.4	28.7	33.7
202	2.6	14.5	25.7	29.7	-53.0	-7.7	1.4	13.5
203	-18.6	7.6	-12.2	13.3	-23.1	9.6	15.6	20.9
204	1.8	17.2	10.2	26.3	-13.1	15.1	20.3	24.4
205	-8.7	9.3	2.9	18.5	-27.0	8.7	14.8	20.0
206	-5.1	9.6	5.0	19.6	-19.5	10.8	17.1	21.2
207	2.0	15.8	26.6	30.6	-60.9	1.0	3.5	16.6
208	-13.4	16.1	-10.2	16.7	-18.5	17.2	17.3	23.3
209	5.5	23.9	11.9	29.0	-13.5	22.8	24.7	28.9
210	-4.0	18.1	5.2	22.2	-25.4	17.8	19.1	25.1
211	2.0	20.1	8.2	23.6	-13.3	21.8	21.5	26.3
212	1.1	11.3	23.7	27.2	-53.5	-10.6	-0.2	10.3
213	-18.3	5.1	-12.0	11.4	-22.3	7.8	14.4	19.1
214	3.9	20.4	14.4	30.5	-13.4	19.6	23.8	27.8
215	-10.4	5.4	1.9	15.9	-28.2	5.5	13.8	18.3
216	-5.1	10.8	5.7	21.3	-18.3	10.8	17.7	21.0
217	1.8	13.7	26.0	30.0	-58.2	-7.3	1.3	13.0
218	-20.4	6.5	-14.0	12.5	-25.3	8.9	14.6	20.0
219	4.7	23.1	14.9	32.8	-14.0	22.1	25.2	29.5
220	-7.9	11.3	3.1	20.9	-25.3	10.3	16.7	21.7
221	-6.3	13.6	5.0	23.4	-19.4	13.6	21.1	24.7
222	5.2	22.3	29.4	33.9	-60.4	11.2	6.6	21.6
223	-19.8	6.9	-13.8	12.6	-25.2	8.8	15.0	20.5
224	5.9	26.6	11.4	30.2	-14.3	25.5	26.6	31.9
225	-9.6	7.6	1.0	16.8	-25.8	6.2	13.6	18.3
226	-4.4	13.2	5.8	22.9	-21.4	14.6	20.3	25.0
227	0.4	10.9	24.1	27.5	-58.1	-10.0	-0.5	9.9
228	-17.4	2.3	-11.9	7.8	-20.4	5.2	11.6	15.4
229	-1.2	13.8	7.6	22.7	-16.0	12.6	16.9	20.5
230	-12.4	2.0	-4.0	9.5	-23.3	1.6	7.6	11.5

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Table 23 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
231	-5.5	5.9	7.1	17.5	-16.5	9.6	14.5	17.6
232	0.9	11.7	24.5	27.9	-58.5	-8.7	0.0	10.9
233	-18.6	7.2	-12.2	12.8	-23.1	9.7	15.2	20.5
234	4.8	22.4	14.9	32.2	-13.9	21.9	24.4	28.6
235	-11.6	6.8	-1.7	15.6	-28.6	6.2	14.0	18.8
236	-4.9	9.6	4.6	19.3	-16.6	9.1	15.6	18.4
MAXD	-28.0	50.8	33.3	53.1	-64.3	47.5	53.9	59.2
MD	-1.2	19.6	9.4	25.3	-19.4	16.3	19.7	25.5
MAD	9.8	19.8	13.5	25.3	23.5	17.9	19.8	25.5

Table 24: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the B2PLYP-D3 functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-40.3	-2.7	-30.5	-3.5	-37.3	-3.8	-4.9	0.0
2	-47.0	-4.7	-35.1	-5.0	-42.6	-5.0	-6.2	-1.3
3	-41.9	-4.2	-31.9	-4.8	-38.5	-4.8	-5.6	-0.8
4	-48.4	-4.8	-36.5	-5.2	-44.2	-5.1	-6.6	-1.3
5	-45.3	-4.5	-34.7	-5.3	-41.9	-5.4	-6.1	-1.0
6	-49.0	-4.9	-37.2	-5.4	-45.1	-5.4	-6.7	-1.3
7	-45.4	-4.6	-34.9	-5.5	-42.2	-5.6	-6.4	-1.2
8	-11.3	5.0	6.4	11.0	-81.2	-17.1	-20.7	-5.4
9	-12.0	5.4	6.4	11.3	-84.2	-15.1	-20.5	-4.4
10	-19.5	-7.9	4.4	8.0	-80.8	-27.0	-20.6	-8.2
11	-17.6	-5.5	4.7	8.5	-80.9	-24.2	-20.0	-7.3
12	-11.4	5.0	6.1	10.8	-81.9	-17.2	-20.4	-5.1
13	-10.7	6.7	7.5	12.5	-83.2	-13.9	-19.3	-3.0
14	-19.5	-7.9	4.2	8.0	-81.0	-27.1	-20.6	-8.3
15	-17.4	-3.3	5.0	9.2	-83.6	-20.8	-20.2	-6.2

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Table 24 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
16	-10.4	7.6	6.4	11.4	-83.5	-15.1	-20.1	-3.6
17	-10.8	6.8	7.3	12.5	-83.6	-14.0	-19.5	-3.0
18	-19.4	-7.4	4.2	8.3	-81.3	-26.7	-20.4	-7.7
19	-17.5	-2.9	4.7	9.1	-84.6	-20.1	-20.9	-6.4
20	-10.4	7.7	6.3	11.3	-84.0	-15.2	-20.2	-3.6
21	-12.7	5.8	-11.2	3.3	-17.7	3.3	0.6	3.6
22	-19.9	-6.7	-14.8	-2.7	-21.3	-4.4	-1.1	1.2
23	-14.8	4.7	-12.9	2.6	-19.5	2.0	-0.3	3.0
24	-14.8	4.4	-12.7	2.7	-19.6	2.0	-0.6	2.5
25	-15.9	4.1	-13.6	2.1	-21.1	1.3	-0.9	2.3
26	-14.0	4.4	-11.9	2.5	-18.6	1.8	-0.3	2.7
27	-13.2	5.2	-11.8	2.6	-18.4	2.4	0.1	3.1
28	-12.1	6.4	-10.9	3.6	-17.1	3.6	0.7	3.8
29	-14.9	4.7	-13.2	2.5	-19.7	1.9	-0.5	2.9
30	-15.9	5.8	-13.6	3.0	-20.7	2.6	-0.7	2.7
31	-19.8	-3.4	-15.5	-1.6	-22.4	-2.5	-1.1	1.6
32	-17.0	4.9	-14.5	2.5	-22.1	2.0	-1.2	2.3
33	-12.8	5.9	-11.8	2.9	-18.3	2.4	-0.4	3.0
34	-11.9	6.7	-10.8	3.7	-17.1	3.6	0.8	3.9
35	-14.2	5.6	-12.5	3.4	-19.2	2.7	0.3	3.9
36	-15.8	6.5	-13.5	3.9	-21.1	3.5	0.4	3.9
37	-11.7	7.0	-10.7	4.0	-17.2	3.5	0.7	4.1
38	-27.3	-1.1	-21.4	-3.2	-53.5	-8.9	-9.7	-3.1
39	-29.0	-1.6	-21.1	-2.2	-58.8	-8.9	-11.0	-3.6
40	-28.0	-1.6	-21.9	-3.4	-54.8	-9.6	-9.8	-2.9
41	-30.5	-1.5	-22.4	-2.1	-61.4	-9.1	-11.3	-3.4
42	-27.8	-1.4	-22.0	-3.4	-55.2	-9.8	-9.6	-2.7
43	-30.8	-1.3	-22.8	-2.0	-62.1	-9.1	-11.3	-3.3
44	-28.2	-1.6	-22.4	-3.7	-55.6	-10.2	-9.9	-2.9
45	-32.8	-8.3	-29.1	-7.7	-50.5	-15.0	-8.5	-4.1
46	-32.2	-19.4	-29.7	-14.9	-45.2	-23.4	-8.8	-5.9
47	-26.6	-7.6	-22.1	-7.1	-39.5	-13.5	-6.2	-2.9

Continued on next page

Table 24 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
48	-37.9	-9.7	-33.4	-8.6	-56.4	-16.3	-9.9	-5.0
49	-39.3	-19.8	-34.2	-15.3	-51.9	-23.6	-10.1	-6.8
50	-30.3	-9.3	-24.4	-8.2	-44.7	-15.0	-7.0	-3.4
51	-33.0	-8.9	-28.4	-8.3	-49.4	-15.2	-8.2	-4.0
52	-39.8	-10.0	-35.0	-9.1	-58.2	-16.6	-10.7	-5.4
53	-41.4	-20.1	-35.9	-15.9	-54.7	-24.0	-10.9	-7.2
54	-32.1	-9.9	-25.6	-8.9	-46.5	-15.7	-7.7	-3.7
55	-32.2	-7.9	-27.6	-7.5	-47.7	-14.5	-8.1	-4.0
56	-35.7	-2.8	-22.0	-1.3	-41.9	-8.4	-7.4	-2.5
57	-43.0	-4.5	-27.0	-2.6	-48.8	-10.1	-8.8	-3.9
58	-36.3	-3.2	-22.7	-2.0	-42.4	-8.9	-7.7	-2.9
59	-39.5	-2.7	-25.9	-2.5	-47.6	-9.6	-9.2	-3.9
60	-36.4	-3.4	-23.0	-2.2	-42.8	-9.3	-7.8	-3.0
61	-45.6	-4.7	-29.2	-3.0	-51.9	-10.5	-9.8	-4.0
62	-36.5	-3.5	-23.1	-2.3	-43.0	-9.4	-7.8	-2.9
63	-26.0	1.3	-19.7	-0.2	-55.0	-4.5	-8.2	-1.0
64	-56.1	-18.4	-41.4	-13.4	-47.8	-13.1	-8.9	-4.7
65	-52.9	-20.2	-39.3	-14.6	-44.1	-13.9	-9.0	-5.5
66	-56.1	-17.9	-42.0	-13.4	-48.5	-13.1	-9.4	-4.5
67	-51.7	-16.1	-39.5	-12.2	-44.8	-11.5	-8.1	-3.9
68	-52.7	-19.5	-39.4	-14.0	-44.4	-13.4	-8.6	-4.8
69	-57.0	-18.2	-43.4	-14.1	-50.1	-13.8	-9.9	-5.5
70	-52.8	-16.7	-40.4	-12.8	-45.9	-12.2	-8.1	-4.3
71	-53.3	-19.9	-40.4	-14.7	-45.4	-14.2	-9.5	-5.6
72	-56.6	-17.8	-43.1	-13.7	-49.8	-13.4	-9.8	-4.8
73	-52.5	-16.6	-40.3	-12.8	-46.0	-12.3	-8.0	-4.2
74	-53.4	-19.9	-40.6	-14.7	-45.7	-14.2	-9.5	-5.5
75	-19.8	-8.0	4.8	8.4	-86.7	-28.2	-20.9	-8.7
76	-19.4	-6.2	4.0	8.1	-86.9	-27.2	-21.0	-8.2
77	-19.3	-6.2	2.8	6.8	-84.7	-25.9	-20.8	-8.5
78	-19.5	-7.6	4.6	8.2	-86.4	-27.9	-20.3	-8.5
79	-19.5	-5.7	3.6	8.1	-87.4	-26.7	-21.6	-7.9

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Table 24 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
80	-18.3	-5.2	3.5	7.5	-83.6	-24.8	-20.8	-7.4
81	-19.8	-7.5	3.9	7.9	-86.9	-27.9	-21.1	-8.5
82	-18.8	-5.0	4.2	8.6	-86.7	-26.0	-21.0	-7.2
83	-18.7	-5.5	3.5	7.7	-84.8	-25.7	-20.8	-7.3
84	-19.0	-6.6	4.6	8.6	-86.1	-27.1	-20.4	-7.7
85	-22.8	-6.0	-17.5	-4.5	-26.0	-5.6	-3.4	-1.5
86	-21.4	-5.4	-16.5	-4.1	-24.1	-5.1	-3.3	-1.0
87	-19.2	-7.1	-16.1	-5.8	-22.5	-7.8	-1.2	0.9
88	-21.0	-5.4	-16.2	-4.2	-23.2	-5.1	-3.6	-1.1
89	-22.9	-6.0	-17.9	-4.8	-26.3	-6.0	-4.4	-2.0
90	-21.6	-4.5	-16.8	-3.8	-23.9	-4.5	-3.6	-1.4
91	-23.0	-6.0	-18.0	-4.8	-26.4	-6.0	-4.4	-2.0
92	-21.4	-4.3	-16.6	-3.6	-23.7	-4.3	-3.4	-1.2
93	-21.4	-5.3	-16.7	-4.1	-24.3	-5.2	-3.6	-1.1
94	-21.3	-5.2	-16.6	-4.1	-24.3	-5.2	-3.3	-1.1
95	-20.7	-3.3	-16.7	-2.9	-24.4	-3.8	-3.0	-0.4
96	-20.8	-3.7	-16.0	-3.0	-23.1	-3.6	-3.0	-0.5
97	-20.7	-3.2	-16.8	-2.8	-24.6	-3.6	-2.8	-0.3
98	-17.8	-5.2	-15.5	-5.1	-21.4	-6.4	-0.4	1.4
99	-19.2	-3.2	-15.1	-2.6	-22.4	-3.7	-2.4	-0.1
100	-20.6	-4.4	-16.1	-3.4	-23.9	-4.5	-2.5	-0.2
101	-17.2	-3.0	-14.3	-2.7	-20.6	-4.0	-2.7	-0.5
102	-21.2	-4.1	-16.3	-3.3	-23.7	-4.2	-3.1	-0.8
103	-20.7	-2.7	-16.7	-2.6	-24.3	-3.2	-2.8	-0.5
104	-21.0	-4.0	-16.2	-3.2	-23.5	-4.2	-3.1	-0.7
105	-20.3	-4.8	-15.8	-3.7	-23.0	-4.9	-3.3	-0.6
106	-20.6	-4.4	-16.0	-3.4	-23.8	-4.6	-2.2	-0.3
107	-36.1	-14.6	-25.8	-8.8	-62.1	-18.1	-12.8	-6.4
108	-33.8	-17.3	-23.8	-9.3	-58.2	-20.2	-11.3	-6.5
109	-37.0	-14.1	-26.9	-8.7	-63.7	-18.3	-12.9	-6.6
110	-33.8	-11.7	-24.8	-7.6	-58.5	-15.8	-11.9	-5.7
111	-34.2	-16.3	-24.6	-8.9	-59.6	-19.7	-11.9	-6.6

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Table 24 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
112	-37.3	-13.6	-27.2	-8.4	-64.5	-18.1	-13.2	-6.6
113	-33.7	-11.6	-24.7	-7.5	-58.5	-15.8	-11.7	-5.6
114	-34.5	-15.7	-25.0	-8.8	-60.4	-19.4	-12.0	-6.3
115	-37.0	-13.3	-27.0	-8.2	-64.3	-17.9	-12.5	-6.2
116	-34.1	-12.0	-25.3	-8.0	-59.3	-16.5	-12.2	-6.1
117	-34.5	-15.6	-25.1	-8.8	-60.6	-19.5	-12.0	-6.3
118	-34.1	-17.8	-31.1	-14.9	-48.6	-22.0	-10.2	-7.0
119	-26.9	-11.8	-24.1	-11.2	-41.1	-17.8	-7.3	-4.8
120	-33.7	-19.1	-31.2	-15.5	-47.5	-22.7	-9.5	-6.6
121	-28.8	-12.8	-24.8	-11.7	-42.9	-18.1	-8.0	-5.1
122	-32.7	-15.9	-30.3	-13.6	-48.8	-20.4	-9.0	-5.9
123	-28.2	-11.6	-25.3	-10.9	-42.3	-17.9	-7.6	-4.6
124	-34.7	-18.2	-32.3	-15.8	-51.5	-22.4	-10.6	-7.1
125	-28.9	-10.9	-25.5	-10.9	-42.4	-16.5	-8.0	-4.7
126	-28.5	-12.0	-25.0	-11.4	-42.2	-17.6	-8.0	-4.9
127	-35.3	-17.1	-31.9	-14.6	-51.4	-21.7	-10.2	-6.6
128	-46.9	-15.9	-28.9	-9.6	-49.8	-17.2	-11.0	-6.7
129	-45.3	-17.2	-27.7	-10.3	-47.3	-17.7	-11.0	-7.4
130	-45.9	-15.0	-28.9	-9.3	-49.4	-16.6	-10.5	-6.1
131	-43.8	-13.9	-28.2	-8.8	-47.1	-15.4	-9.7	-5.6
132	-44.9	-16.5	-27.7	-9.9	-47.2	-17.2	-10.5	-6.7
133	-47.8	-15.6	-30.5	-10.0	-51.7	-17.5	-12.2	-7.3
134	-44.1	-14.2	-28.5	-9.2	-47.4	-15.7	-9.9	-6.2
135	-45.2	-16.6	-28.5	-10.3	-48.1	-17.7	-11.4	-7.3
136	-47.4	-15.2	-30.0	-9.6	-51.3	-17.1	-11.5	-6.8
137	-44.2	-14.3	-28.7	-9.3	-47.7	-15.9	-10.0	-6.1
138	-45.3	-16.4	-28.6	-10.1	-48.3	-17.5	-11.3	-7.2
139	-31.8	-12.5	-22.2	-7.1	-56.2	-14.8	-9.8	-4.4
140	-33.1	-11.6	-23.7	-6.8	-58.4	-14.6	-10.3	-4.4
141	-30.0	-10.1	-21.7	-6.4	-53.5	-13.1	-9.3	-4.3
142	-50.4	-26.2	-41.5	-19.0	-52.9	-24.1	-12.6	-7.7
143	-47.0	-25.0	-39.0	-18.1	-48.0	-21.6	-11.9	-7.0

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Table 24 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
144	-45.8	-24.6	-38.7	-17.7	-47.0	-21.0	-10.9	-6.3
145	-49.5	-26.9	-40.1	-19.2	-51.2	-24.4	-11.9	-7.4
146	-46.0	-25.5	-37.7	-18.3	-46.6	-21.9	-10.8	-6.8
147	-46.3	-25.7	-37.8	-17.9	-46.4	-21.3	-10.2	-6.0
148	-14.8	-7.4	5.5	8.4	-66.7	-29.3	-18.3	-9.4
149	-16.1	-1.9	2.5	6.8	-85.8	-31.5	-24.4	-10.9
150	-39.8	-19.6	-34.2	-14.7	-43.7	-17.7	-7.3	-3.3
151	-28.7	-0.8	-31.4	-3.7	-39.8	-5.2	-7.1	-0.6
152	-21.2	-8.4	-15.3	-2.3	-38.7	-12.2	-6.0	-2.7
153	-16.1	1.3	-15.5	-0.5	-38.1	-9.7	-6.5	-2.1
154	-29.8	-15.9	-18.2	-5.9	-46.7	-17.2	-9.3	-5.2
155	-26.4	-8.9	-20.4	-4.7	-42.8	-12.9	-7.2	-3.3
156	-21.5	-2.5	-14.9	-0.6	-45.2	-9.0	-7.7	-2.5
157	-26.3	-7.3	-21.8	-5.9	-44.2	-13.5	-7.9	-4.0
158	-15.1	-7.7	5.1	8.0	-67.1	-29.6	-18.1	-9.2
159	-15.0	-7.6	5.1	8.0	-67.1	-29.5	-18.2	-9.3
160	-39.8	-19.7	-34.4	-14.9	-44.0	-18.1	-7.1	-3.1
161	-28.1	0.5	-31.0	-2.8	-37.5	-2.6	-6.1	0.6
162	-23.8	-12.8	-17.2	-4.5	-37.5	-16.3	-6.9	-4.0
163	-19.8	-1.3	-17.1	-1.2	-42.7	-9.6	-7.0	-2.4
164	-31.1	-17.4	-21.4	-8.1	-44.4	-18.3	-10.0	-6.2
165	-25.6	-13.9	-18.2	-5.3	-39.5	-16.2	-8.1	-5.2
166	-28.6	-6.4	-19.4	-3.7	-53.6	-12.4	-9.8	-3.6
167	-30.6	-12.0	-23.4	-6.8	-47.8	-17.4	-8.2	-4.7
168	-15.3	-7.8	5.0	7.9	-67.4	-29.7	-18.0	-9.1
169	-15.1	-7.5	5.1	8.1	-67.7	-29.5	-18.1	-9.1
170	-40.7	-20.7	-35.0	-15.9	-44.1	-18.7	-8.7	-4.7
171	-41.3	-14.6	-39.2	-13.0	-49.9	-16.0	-9.5	-3.6
172	-23.3	-10.2	-15.0	-1.2	-42.5	-14.5	-7.1	-3.7
173	-25.2	-5.1	-20.7	-2.9	-48.9	-11.8	-8.0	-2.8
174	-26.3	-14.9	-18.9	-6.0	-39.9	-16.9	-8.0	-5.3
175	-34.6	-10.6	-23.2	-5.4	-59.2	-15.0	-10.9	-4.4

Continued on next page

Table 24 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
176	-31.6	-10.7	-22.7	-5.8	-52.3	-12.9	-9.5	-3.9
177	-14.8	-7.4	5.4	8.3	-66.6	-29.3	-17.6	-8.6
178	-14.2	3.6	3.6	8.7	-88.2	-21.2	-22.5	-6.3
179	-40.5	-20.5	-34.9	-15.7	-44.0	-18.5	-8.5	-4.5
180	-40.9	-20.8	-35.5	-16.0	-45.3	-19.3	-8.2	-4.1
181	-27.2	-9.6	-20.0	-3.0	-49.4	-15.0	-8.4	-4.1
182	-27.2	-8.8	-20.3	-2.8	-49.9	-14.2	-8.4	-3.8
183	-30.4	-16.8	-20.8	-7.5	-43.6	-17.9	-9.2	-5.5
184	-25.8	-14.6	-18.5	-5.6	-39.3	-16.5	-7.8	-5.1
185	-33.3	-12.0	-22.4	-5.3	-57.2	-15.6	-10.5	-4.4
186	-30.9	-13.4	-21.9	-5.9	-49.6	-14.4	-8.9	-4.0
187	-19.7	-6.2	2.9	7.1	-86.4	-31.4	-23.5	-10.2
188	-46.6	-17.9	-43.4	-16.0	-56.0	-20.9	-10.8	-5.0
189	-30.9	-11.6	-23.1	-4.2	-54.9	-18.3	-10.6	-6.2
190	-39.5	-16.8	-28.1	-9.6	-65.2	-22.0	-14.2	-8.2
191	-35.8	-17.2	-26.9	-9.2	-56.6	-20.6	-12.3	-7.4
192	-20.3	-4.6	3.0	7.7	-90.3	-28.9	-23.8	-9.1
193	-48.4	-19.3	-45.6	-17.2	-58.4	-21.9	-12.1	-6.0
194	-32.8	-12.3	-24.9	-4.8	-58.0	-19.4	-11.3	-6.6
195	-41.9	-17.9	-28.9	-9.9	-68.8	-23.3	-15.1	-8.9
196	-38.3	-18.4	-27.9	-9.6	-60.3	-21.4	-13.2	-8.2
197	-18.7	-3.1	4.1	8.6	-90.7	-22.3	-21.8	-7.1
198	-45.8	-12.7	-44.7	-13.9	-55.8	-15.2	-11.0	-4.3
199	-30.4	-8.3	-26.3	-5.5	-56.0	-14.9	-9.9	-4.9
200	-37.2	-9.9	-27.6	-6.8	-65.5	-14.9	-13.1	-6.2
201	-39.1	-12.9	-31.8	-9.7	-58.9	-17.6	-11.6	-6.6
202	-17.9	-6.0	3.5	7.5	-76.4	-31.1	-22.3	-10.3
203	-47.6	-21.3	-43.2	-17.7	-54.1	-21.4	-11.5	-6.2
204	-29.2	-13.8	-21.7	-5.7	-47.2	-19.0	-10.5	-6.4
205	-36.2	-18.2	-24.5	-8.9	-57.1	-21.5	-13.1	-7.9
206	-33.8	-19.2	-23.8	-9.2	-51.1	-20.7	-11.2	-7.1
207	-18.6	-4.8	4.3	8.3	-84.9	-23.0	-20.9	-7.8

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Table 24 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
208	-41.5	-11.9	-40.0	-13.0	-48.3	-12.7	-9.7	-3.7
209	-28.6	-10.1	-22.6	-5.5	-50.9	-14.6	-9.2	-5.1
210	-34.8	-12.7	-25.1	-8.1	-59.0	-15.8	-12.3	-6.3
211	-28.0	-9.9	-21.9	-6.5	-46.1	-11.0	-9.5	-4.6
212	-17.4	-7.2	3.5	7.0	-74.6	-31.7	-21.3	-10.8
213	-44.2	-20.7	-39.9	-16.5	-50.1	-20.0	-9.2	-4.5
214	-28.7	-12.2	-18.8	-2.7	-49.6	-16.5	-8.2	-4.3
215	-34.8	-19.0	-21.7	-7.7	-54.7	-21.0	-10.4	-5.9
216	-33.6	-17.7	-23.4	-7.8	-49.9	-20.8	-10.4	-7.0
217	-18.7	-6.8	3.9	7.8	-81.5	-30.7	-22.1	-10.4
218	-48.6	-21.7	-44.4	-17.9	-55.6	-21.4	-11.6	-6.1
219	-31.0	-12.6	-21.9	-4.0	-53.6	-17.5	-10.8	-6.4
220	-37.2	-17.9	-26.5	-8.8	-57.5	-21.9	-12.7	-7.7
221	-38.5	-18.7	-27.5	-9.1	-54.5	-21.5	-10.6	-7.0
222	-17.6	-0.4	4.4	8.9	-87.2	-15.6	-21.2	-6.2
223	-47.9	-21.3	-44.2	-17.8	-55.5	-21.5	-11.2	-5.7
224	-30.9	-10.2	-25.7	-6.9	-54.7	-14.8	-10.7	-5.4
225	-35.0	-17.8	-24.5	-8.8	-53.6	-21.6	-11.9	-7.2
226	-36.6	-19.1	-26.6	-9.6	-57.0	-21.1	-12.0	-7.4
227	-17.9	-7.5	4.1	7.5	-79.2	-31.1	-21.3	-10.9
228	-39.3	-19.6	-35.0	-15.3	-43.4	-17.8	-7.2	-3.5
229	-28.5	-13.5	-20.6	-5.5	-46.4	-17.8	-9.5	-5.8
230	-30.1	-15.8	-21.8	-8.3	-42.6	-17.7	-9.4	-5.5
231	-27.7	-16.3	-15.5	-5.1	-41.3	-15.2	-7.2	-4.2
232	-17.7	-7.0	4.1	7.5	-80.0	-30.2	-21.2	-10.3
233	-45.2	-19.4	-40.9	-15.9	-51.5	-18.7	-9.1	-3.8
234	-28.7	-11.1	-19.8	-2.5	-51.3	-15.6	-9.1	-5.0
235	-36.5	-18.1	-26.3	-9.0	-55.6	-20.8	-10.4	-5.5
236	-30.2	-15.7	-21.7	-7.0	-44.8	-19.1	-9.1	-6.4
MAXD	-57.0	-26.9	-45.6	-19.2	-90.7	-31.7	-24.4	-10.9
MD	-30.2	-9.4	-20.3	-4.5	-50.8	-15.1	-10.3	-4.5
MAD	30.2	10.5	21.9	7.9	50.8	15.4	10.3	4.9

Table 25: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the mPW2PLYP functional. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
1	-31.7	13.3	-21.8	13.2	-28.5	13.2	4.2	13.0
2	-37.4	13.1	-25.6	13.3	-33.0	13.8	3.8	13.1
3	-33.4	11.7	-23.4	11.7	-29.9	12.0	3.4	12.3
4	-38.4	13.7	-26.5	13.9	-34.1	14.5	3.9	13.7
5	-35.8	12.9	-25.2	12.8	-32.4	13.1	3.8	13.2
6	-38.7	13.9	-26.9	14.1	-34.7	14.6	4.0	14.1
7	-35.8	13.0	-25.3	12.8	-32.5	13.1	3.6	13.2
8	-5.5	16.8	12.2	23.2	-75.7	-3.0	-25.9	5.3
9	-6.0	17.6	12.3	23.9	-78.6	-0.4	-25.5	6.7
10	-16.7	0.5	6.9	15.9	-78.5	-17.3	-29.1	-1.8
11	-14.6	3.0	7.6	16.8	-78.2	-14.1	-28.1	-0.3
12	-5.5	17.0	12.1	23.3	-76.2	-2.8	-25.4	5.9
13	-4.6	19.3	13.6	25.4	-77.5	1.1	-24.2	8.3
14	-16.5	0.8	6.9	16.0	-78.5	-17.1	-28.9	-1.6
15	-13.5	6.4	8.8	18.8	-80.2	-9.2	-27.4	2.1
16	-3.7	20.7	13.1	25.4	-77.2	0.6	-24.4	8.5
17	-4.6	19.6	13.5	25.7	-77.6	1.3	-25.8	8.6
18	-16.3	1.6	7.1	16.8	-78.5	-16.3	-28.5	-0.6
19	-13.1	7.5	8.9	19.4	-80.7	-7.9	-27.5	2.8
20	-3.5	21.0	13.2	25.6	-77.4	0.8	-24.3	8.7
21	-1.3	22.2	0.2	20.5	-6.3	21.6	12.5	18.6
22	-13.9	3.6	-8.9	7.5	-15.4	7.0	5.1	9.5
23	-2.5	22.2	-0.5	20.8	-7.1	21.4	12.6	19.3
24	-3.1	21.2	-0.9	19.9	-7.8	20.5	11.6	17.9
25	-3.7	21.7	-1.3	20.3	-8.8	20.8	11.9	18.5
26	-2.6	20.8	-0.4	19.4	-7.1	20.0	11.7	17.8
27	-1.8	21.8	-0.3	19.9	-6.9	20.9	12.1	18.4
28	-0.4	23.3	1.0	21.2	-5.2	22.4	13.0	19.4

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Table 25 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
29	-2.3	22.6	-0.5	21.1	-6.9	21.7	12.7	19.6
30	-2.5	24.6	0.0	22.5	-7.1	23.4	13.5	20.3
31	-10.5	11.1	-6.3	13.0	-13.2	13.5	8.5	14.0
32	-3.7	24.0	-1.1	22.1	-8.6	23.0	12.8	20.0
33	0.0	23.9	1.2	21.7	-5.3	22.4	13.0	19.8
34	0.0	23.8	1.2	21.5	-5.1	22.5	13.3	19.7
35	-1.3	23.9	0.5	22.3	-6.1	22.9	13.8	20.9
36	-1.9	26.3	0.5	24.4	-7.1	25.3	15.0	22.3
37	1.3	25.2	2.4	22.9	-4.0	23.6	14.3	21.1
38	-13.2	20.8	-7.3	18.6	-39.6	16.1	4.8	17.0
39	-13.8	21.8	-5.8	21.0	-43.8	18.4	4.8	18.2
40	-13.6	20.8	-7.4	18.8	-40.6	15.9	5.1	17.7
41	-14.5	23.3	-6.2	22.5	-45.5	19.7	5.4	19.5
42	-13.3	21.2	-7.3	19.1	-40.7	16.0	5.5	18.2
43	-14.2	24.2	-6.1	23.2	-45.7	20.4	5.9	20.3
44	-13.6	21.0	-7.7	18.9	-41.1	15.7	5.3	18.0
45	-12.4	20.4	-8.5	21.1	-30.2	16.5	13.0	23.0
46	-22.1	-4.4	-19.7	0.2	-35.4	-6.1	1.5	7.7
47	-13.6	12.4	-9.2	12.3	-26.6	8.4	7.6	15.1
48	-14.9	22.8	-10.1	24.2	-33.5	19.2	14.5	25.7
49	-25.5	1.0	-20.5	5.4	-38.4	-0.5	4.2	11.9
50	-16.0	12.6	-10.2	12.9	-30.7	9.0	8.0	15.9
51	-13.3	19.1	-8.6	19.6	-29.8	15.3	12.7	22.5
52	-15.4	24.4	-10.3	25.7	-33.9	20.9	15.1	27.2
53	-26.1	2.9	-20.6	7.0	-39.6	1.6	5.0	13.2
54	-16.9	13.3	-10.6	13.4	-31.6	9.7	8.2	16.9
55	-12.3	20.3	-7.7	20.5	-27.9	16.1	13.0	22.5
56	-25.1	15.3	-11.4	16.7	-31.3	12.0	3.8	13.3
57	-30.8	16.2	-15.0	18.0	-36.7	13.3	4.0	14.1
58	-25.5	14.9	-12.0	16.1	-31.7	11.5	3.7	13.2
59	-27.5	17.4	-14.1	17.4	-35.7	13.1	3.4	13.7
60	-25.6	14.9	-12.3	15.9	-32.0	11.3	3.6	13.2

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Table 25 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
61	-32.2	17.9	-15.9	19.6	-38.5	15.0	4.3	15.7
62	-25.7	14.8	-12.4	15.9	-32.1	11.2	3.6	13.2
63	-8.8	27.0	-2.4	25.7	-38.0	25.2	9.7	23.0
64	-48.0	-2.8	-33.5	2.0	-39.9	3.1	-0.8	7.0
65	-45.8	-6.4	-32.5	-0.9	-37.2	0.4	-1.9	4.6
66	-47.6	-1.8	-33.8	2.7	-40.2	3.8	-0.8	7.7
67	-44.8	-2.2	-32.9	1.9	-38.1	3.2	-1.2	6.2
68	-45.5	-5.5	-32.4	-0.1	-37.3	1.2	-1.4	5.5
69	-48.2	-1.6	-34.8	2.6	-41.4	3.7	-1.0	7.2
70	-45.7	-2.4	-33.5	1.7	-38.9	3.0	-1.0	6.2
71	-45.8	-5.5	-33.2	-0.2	-38.1	0.9	-2.1	5.2
72	-47.7	-1.1	-34.5	3.1	-41.0	4.1	-0.9	7.9
73	-45.3	-2.1	-33.3	1.9	-38.9	3.0	-0.8	6.5
74	-45.8	-5.3	-33.3	-0.1	-38.3	1.0	-2.0	5.4
75	-15.9	1.1	8.5	17.0	-83.3	-17.3	-28.1	-1.0
76	-14.5	4.2	8.6	18.1	-82.6	-14.8	-27.3	0.8
77	-15.0	3.5	6.9	16.2	-80.8	-14.4	-27.6	-0.3
78	-15.3	2.0	8.5	17.2	-82.7	-16.6	-27.3	-0.4
79	-14.5	5.0	8.5	18.4	-82.8	-14.0	-29.2	1.4
80	-13.9	4.9	7.8	17.2	-79.5	-13.0	-27.4	1.1
81	-15.4	2.3	8.1	17.2	-82.9	-16.2	-27.8	-0.1
82	-13.7	5.7	9.1	19.1	-82.0	-13.2	-27.0	2.2
83	-14.1	4.8	7.9	17.6	-80.6	-13.6	-27.4	1.5
84	-14.6	3.2	8.8	18.0	-82.1	-15.4	-27.1	0.8
85	-15.1	5.8	-9.9	7.2	-18.3	7.4	4.7	8.9
86	-12.3	8.1	-7.5	9.3	-15.1	9.7	6.0	10.6
87	-11.4	4.9	-8.5	5.9	-14.9	5.1	6.8	11.2
88	-12.1	7.5	-7.3	8.9	-14.3	9.2	5.6	10.4
89	-14.8	6.2	-10.0	7.3	-18.3	7.4	4.0	8.8
90	-12.5	9.0	-7.7	9.8	-14.8	10.4	5.8	10.5
91	-14.9	6.2	-10.1	7.4	-18.4	7.5	3.9	8.8
92	-12.3	9.1	-7.6	9.9	-14.6	10.6	6.0	10.7

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Table 25 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
93	-12.0	8.6	-7.4	9.7	-15.0	10.0	6.1	11.0
94	-11.9	8.6	-7.3	9.7	-14.9	10.0	6.3	11.0
95	-12.5	9.3	-8.6	9.7	-16.3	10.2	5.4	10.5
96	-11.6	10.0	-6.9	10.7	-13.9	11.4	6.5	11.5
97	-12.6	9.4	-8.7	9.9	-16.5	10.5	5.7	10.7
98	-9.9	6.9	-7.8	6.8	-13.7	6.6	7.8	11.8
99	-10.3	9.9	-6.3	10.5	-13.5	10.8	6.8	11.5
100	-11.1	9.6	-6.7	10.6	-14.4	10.9	7.3	12.0
101	-7.5	10.7	-4.7	11.2	-10.8	11.1	7.2	11.9
102	-11.9	9.7	-7.1	10.5	-14.4	11.0	6.5	11.4
103	-12.1	10.5	-8.2	10.6	-15.8	11.4	6.1	11.2
104	-11.7	9.7	-7.0	10.6	-14.3	11.0	6.5	11.5
105	-10.5	9.2	-6.1	10.4	-13.2	10.5	6.6	11.9
106	-11.0	9.6	-6.6	10.6	-14.3	10.8	7.6	11.9
107	-24.7	4.2	-14.5	9.3	-51.0	3.6	-1.3	9.8
108	-25.3	-2.6	-15.5	4.8	-50.0	-2.7	-2.8	5.8
109	-24.7	5.9	-14.7	10.7	-51.7	4.8	-0.4	10.9
110	-23.2	6.0	-14.3	9.7	-48.1	4.8	-1.1	9.6
111	-24.5	0.0	-15.1	6.8	-50.3	-0.6	-2.2	7.4
112	-24.3	7.3	-14.3	12.0	-51.8	5.9	-0.1	11.8
113	-22.9	6.4	-13.9	10.1	-47.9	5.2	-0.7	10.1
114	-24.3	1.2	-15.1	7.6	-50.6	0.4	-1.9	8.3
115	-23.9	7.6	-14.0	12.2	-51.6	6.2	0.7	12.1
116	-22.9	6.4	-14.2	10.0	-48.3	4.9	-0.9	10.0
117	-24.3	1.4	-15.0	7.7	-50.6	0.5	-1.7	8.5
118	-20.0	2.4	-17.1	5.4	-34.7	0.8	4.4	11.4
119	-15.2	5.7	-12.6	6.1	-29.6	1.9	4.6	10.4
120	-21.1	-0.6	-18.6	3.1	-35.0	-1.8	3.5	10.1
121	-16.9	5.3	-13.1	6.0	-31.2	2.2	4.2	10.2
122	-17.9	5.2	-15.5	7.7	-34.2	3.3	6.3	13.3
123	-16.1	6.8	-13.5	7.2	-30.5	2.6	4.8	11.2
124	-20.2	2.7	-17.9	5.2	-37.2	1.1	4.3	11.8

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Table 25 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
125	-16.3	8.4	-13.1	8.1	-30.1	4.7	5.0	11.8
126	-16.5	6.3	-13.2	6.4	-30.5	2.7	4.3	10.7
127	-19.7	5.3	-16.3	7.8	-36.0	3.5	5.9	13.6
128	-37.7	0.6	-20.0	6.0	-40.8	1.2	-1.6	6.4
129	-37.1	-2.1	-19.8	3.9	-39.3	-0.9	-2.7	4.3
130	-36.7	1.5	-20.0	6.4	-40.4	1.8	-1.1	7.1
131	-35.8	1.1	-20.4	5.6	-39.2	1.5	-1.5	6.2
132	-36.4	-1.1	-19.5	4.6	-38.9	-0.1	-1.9	5.2
133	-37.6	2.2	-20.6	7.0	-41.7	2.4	-1.9	7.2
134	-35.9	1.0	-20.5	5.5	-39.3	1.5	-1.5	6.0
135	-36.3	-0.7	-19.9	4.9	-39.4	0.1	-2.4	5.3
136	-37.2	2.6	-20.2	7.4	-41.3	2.8	-1.1	7.8
137	-35.7	1.3	-20.4	5.8	-39.4	1.6	-1.3	6.3
138	-36.2	-0.3	-19.8	5.2	-39.4	0.5	-2.2	5.6
139	-20.4	5.8	-10.9	10.6	-45.1	6.6	1.9	11.8
140	-20.0	8.9	-10.7	13.3	-45.6	9.0	3.1	13.9
141	-19.0	7.8	-10.8	11.3	-42.7	7.8	2.0	11.5
142	-44.4	-13.2	-35.7	-5.8	-47.1	-10.1	-6.8	1.7
143	-42.0	-13.9	-34.3	-6.4	-43.2	-9.3	-7.0	1.0
144	-40.8	-13.7	-33.8	-5.9	-42.2	-8.9	-5.9	1.8
145	-43.3	-14.0	-34.2	-6.2	-45.3	-10.4	-5.9	1.9
146	-41.0	-14.5	-32.9	-6.8	-41.7	-9.8	-5.8	1.0
147	-41.0	-14.5	-32.6	-6.1	-41.3	-9.1	-5.0	2.2
148	-13.5	-2.0	6.6	13.6	-65.6	-23.2	-28.2	-5.3
149	-12.1	8.4	6.5	17.6	-82.1	-19.3	-31.4	-2.2
150	-36.5	-10.0	-31.1	-4.4	-40.6	-6.6	-4.4	2.9
151	-19.5	15.0	-22.1	14.0	-30.5	13.0	2.6	14.0
152	-15.0	2.6	-9.2	8.9	-32.7	1.1	0.1	6.2
153	-6.5	16.6	-5.9	15.3	-28.5	8.4	3.5	11.6
154	-24.3	-5.4	-12.8	4.8	-41.4	-4.6	-3.8	3.7
155	-17.7	5.4	-11.7	10.0	-34.3	3.9	1.7	9.0
156	-11.6	13.4	-4.9	15.5	-35.3	9.9	2.5	11.9

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Table 25 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
157	-16.6	8.3	-12.0	9.8	-34.6	4.5	2.3	10.2
158	-13.8	-2.3	6.2	13.2	-66.0	-23.5	-28.0	-5.2
159	-13.7	-2.2	6.2	13.2	-66.0	-23.4	-28.0	-5.2
160	-36.5	-10.1	-31.3	-4.6	-40.9	-6.9	-4.2	3.1
161	-18.6	16.6	-21.5	15.5	-28.0	16.0	3.9	15.5
162	-18.7	-3.2	-12.3	5.4	-32.6	-5.2	-1.9	3.5
163	-8.6	16.2	-5.8	16.9	-31.5	10.6	4.7	13.5
164	-26.4	-7.7	-16.8	2.0	-39.9	-6.8	-5.4	1.6
165	-19.6	-3.5	-12.2	5.5	-33.6	-3.9	-2.2	3.5
166	-17.8	11.3	-8.5	13.8	-43.0	8.3	1.3	12.5
167	-21.0	3.8	-13.9	9.0	-38.5	0.6	1.6	8.8
168	-13.9	-2.4	6.1	13.2	-66.3	-23.6	-27.9	-5.0
169	-13.6	-1.9	6.4	13.5	-66.5	-23.2	-27.8	-4.8
170	-37.2	-11.1	-31.7	-5.5	-40.8	-7.5	-5.6	1.6
171	-35.3	-1.2	-33.4	1.7	-44.0	-0.6	-3.6	6.8
172	-15.5	2.6	-7.3	12.1	-34.8	0.7	0.8	7.3
173	-14.3	13.1	-9.8	15.6	-38.0	9.6	3.3	12.7
174	-20.5	-4.8	-13.2	4.6	-34.3	-4.8	-2.3	3.1
175	-24.2	7.3	-12.9	12.1	-49.1	5.8	-0.2	11.1
176	-19.9	8.0	-11.0	12.5	-40.8	8.6	2.5	12.8
177	-13.5	-2.0	6.5	13.5	-65.6	-23.2	-29.0	-4.5
178	-8.8	15.8	9.1	21.6	-83.0	-6.6	-29.5	4.5
179	-37.0	-10.9	-31.6	-5.3	-40.6	-7.3	-5.4	1.8
180	-37.5	-11.1	-32.3	-5.7	-42.0	-8.0	-5.2	2.2
181	-16.9	7.2	-9.8	14.3	-39.3	4.6	2.0	10.3
182	-16.4	8.8	-9.6	15.2	-39.2	6.2	2.6	11.3
183	-25.7	-7.1	-16.2	2.5	-39.2	-6.6	-4.6	2.2
184	-20.0	-4.5	-12.8	4.9	-33.7	-4.5	-2.1	3.4
185	-23.6	4.9	-12.6	11.5	-47.7	4.1	-0.6	10.1
186	-21.1	2.6	-12.2	10.1	-40.0	4.2	1.1	10.2
187	-15.4	3.8	7.1	17.0	-82.4	-20.0	-30.2	-1.6
188	-39.1	-2.3	-36.0	0.6	-48.6	-3.3	-3.4	7.1

Continued on next page

Table 25 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
189	-18.8	7.6	-11.1	15.6	-43.0	3.8	1.6	10.4
190	-27.5	2.8	-16.1	10.2	-53.5	0.6	-2.1	9.1
191	-24.0	1.2	-15.2	9.3	-45.1	0.6	-0.4	9.1
192	-15.1	6.7	8.0	18.9	-85.6	-15.9	-29.8	0.8
193	-40.7	-3.1	-38.1	0.0	-50.9	-3.7	-4.6	6.5
194	-19.9	8.2	-12.1	16.3	-45.3	4.3	1.8	11.0
195	-29.2	2.8	-16.2	10.7	-56.4	0.6	-2.3	9.2
196	-25.6	1.3	-15.4	10.1	-47.8	1.4	-0.5	9.4
197	-12.6	8.9	10.1	20.7	-85.1	-7.9	-26.7	3.9
198	-36.8	5.5	-35.9	4.8	-46.9	4.8	-1.9	9.9
199	-16.6	13.6	-12.5	16.6	-42.4	10.3	4.2	14.0
200	-22.2	13.7	-12.6	16.2	-50.9	12.0	2.1	14.8
201	-24.6	9.9	-17.4	13.0	-44.6	8.1	3.4	13.2
202	-14.6	2.5	6.6	15.8	-73.3	-21.6	-30.1	-3.1
203	-41.3	-7.5	-37.1	-3.0	-48.0	-5.8	-5.5	4.1
204	-20.2	1.1	-12.9	9.7	-38.4	-2.0	-1.5	6.3
205	-27.1	-2.9	-15.4	6.6	-48.3	-3.7	-3.9	5.4
206	-24.6	-4.6	-14.8	5.5	-42.1	-3.6	-2.1	5.7
207	-14.1	5.5	8.7	18.4	-80.8	-10.8	-27.4	1.0
208	-34.0	3.6	-32.7	3.0	-41.0	4.4	-2.3	8.0
209	-17.1	8.5	-11.2	13.3	-39.6	6.9	2.4	10.7
210	-23.6	6.0	-13.8	10.3	-48.0	5.8	-0.9	9.9
211	-16.5	7.6	-10.6	10.7	-34.8	9.1	2.2	11.2
212	-15.0	0.0	5.7	14.2	-72.4	-23.6	-30.0	-5.0
213	-39.2	-8.9	-35.1	-3.6	-45.2	-6.4	-4.4	4.1
214	-18.9	3.7	-9.1	13.7	-40.0	2.1	1.6	9.2
215	-27.6	-6.2	-14.6	5.1	-47.9	-5.9	-3.2	5.0
216	-24.9	-3.7	-14.8	6.8	-41.4	-4.4	-1.6	5.1
217	-15.3	2.0	7.1	16.4	-78.4	-20.7	-29.8	-3.2
218	-42.5	-8.3	-38.6	-3.3	-49.8	-6.1	-5.7	4.0
219	-19.5	5.7	-10.5	14.9	-42.3	3.8	0.9	9.6
220	-27.5	-1.6	-16.8	7.9	-47.9	-3.1	-2.8	6.3

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Table 25 – continued from previous page

N	6-31G**		6-311G**		def2-SVP		def2-TZVP	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
221	-28.7	-2.2	-17.7	7.6	-44.8	-2.7	-0.5	7.0
222	-11.5	11.5	10.4	21.0	-81.6	-1.2	-26.0	4.8
223	-41.8	-7.8	-38.2	-3.1	-49.6	-6.1	-5.3	4.5
224	-18.5	10.0	-13.4	13.1	-42.5	8.5	2.0	11.9
225	-26.9	-3.8	-16.5	5.6	-45.7	-5.4	-3.8	4.9
226	-25.4	-1.6	-15.5	8.0	-45.9	-0.6	-0.7	8.1
227	-15.5	-0.2	6.4	14.8	-77.1	-22.6	-31.5	-5.1
228	-35.4	-10.0	-31.3	-4.9	-39.8	-7.0	-3.7	3.0
229	-21.1	-0.6	-13.3	7.8	-39.1	-2.6	-2.1	4.9
230	-25.8	-6.8	-17.6	1.1	-38.4	-7.1	-5.2	1.6
231	-21.3	-5.8	-9.2	5.8	-35.1	-2.7	-0.9	5.1
232	-15.0	0.8	6.8	15.3	-77.6	-21.2	-31.0	-4.0
233	-39.7	-6.8	-35.6	-2.1	-46.3	-4.4	-3.8	5.4
234	-18.1	5.9	-9.2	15.3	-40.8	4.5	1.6	9.8
235	-29.1	-4.5	-18.9	4.8	-48.5	-5.0	-2.9	5.7
236	-22.9	-3.5	-14.4	6.0	-37.6	-4.9	-1.7	4.0
MAXD	-48.2	27.0	-38.6	25.7	-85.6	25.3	-31.5	27.2
MD	-21.2	6.0	-11.4	11.0	-41.9	2.3	-3.0	8.7
MAD	21.2	8.8	14.4	11.7	41.9	9.1	8.5	9.3

Table 26: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the LC-BOP functional. All values are without a counter poise correction. MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
1	-45.0	-34.8	-6.3	-43.4	-7.7
2	-51.6	-39.6	-7.7	-49.1	-9.2
3	-46.9	-36.5	-6.9	-45.1	-8.3
4	-53.3	-41.1	-7.9	-50.9	-9.5
5	-50.1	-39.1	-7.3	-48.4	-9.0
6	-54.4	-42.3	-8.4	-52.3	-10.1
7	-50.5	-39.7	-7.6	-49.0	-9.3

Continued on next page

Table 26 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
8	-8.1	-5.0	7.3	-71.9	-14.3
9	-9.6	-6.6	7.0	-75.6	-15.0
10	-18.5	-11.5	2.9	-76.5	-18.7
11	-17.0	-11.1	3.6	-76.1	-18.0
12	-8.5	-5.4	7.3	-72.8	-14.3
13	-8.6	-5.8	8.1	-75.0	-14.1
14	-18.7	-11.7	2.7	-76.9	-18.9
15	-17.1	-11.3	4.1	-78.7	-18.1
16	-8.1	-5.5	8.2	-74.4	-14.4
17	-9.1	-6.5	7.7	-75.7	-14.6
18	-18.9	-12.0	2.6	-77.3	-19.2
19	-17.3	-11.6	3.9	-79.6	-18.5
20	-8.3	-5.8	8.1	-75.1	-14.6
21	-14.5	-11.5	2.3	-18.2	1.2
22	-17.7	-10.6	4.2	-19.0	3.4
23	-17.7	-14.2	0.6	-20.7	-0.8
24	-17.4	-13.7	0.5	-20.8	-0.8
25	-16.4	-12.6	2.4	-20.3	0.9
26	-15.6	-12.2	1.4	-18.9	0.1
27	-15.1	-12.2	2.0	-19.0	0.7
28	-14.4	-11.7	2.0	-17.9	0.8
29	-17.9	-14.5	0.4	-21.0	-1.1
30	-19.5	-15.8	-0.8	-22.7	-2.1
31	-18.5	-12.6	3.6	-20.5	2.0
32	-18.4	-14.6	1.4	-22.1	-0.2
33	-16.1	-13.6	-0.1	-19.9	-1.3
34	-14.5	-12.0	1.8	-18.2	0.5
35	-17.4	-14.0	1.1	-20.7	-0.5
36	-17.5	-13.7	2.5	-21.3	0.9
37	-15.2	-12.8	0.8	-19.0	-0.4
38	-30.5	-29.5	-5.2	-55.5	-9.2
39	-31.3	-28.7	-4.7	-59.4	-9.0
40	-31.6	-30.3	-5.5	-57.2	-9.6

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Table 26 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
41	-33.1	-30.3	-4.6	-62.3	-9.1
42	-31.9	-30.8	-5.7	-58.1	-9.8
43	-33.4	-30.8	-4.7	-63.1	-9.2
44	-32.5	-31.4	-6.1	-58.7	-10.2
45	-34.7	-33.7	-6.4	-51.3	-6.2
46	-33.1	-32.5	-4.7	-46.9	-5.9
47	-28.8	-27.5	-5.4	-42.0	-5.1
48	-40.6	-38.9	-8.7	-57.8	-8.2
49	-40.4	-37.7	-6.7	-53.3	-7.7
50	-32.7	-30.1	-6.3	-47.6	-6.0
51	-36.2	-34.7	-6.8	-52.2	-6.6
52	-42.4	-40.4	-9.1	-59.5	-8.5
53	-42.4	-39.4	-7.0	-56.0	-8.1
54	-34.7	-31.5	-6.8	-49.5	-6.6
55	-35.3	-33.4	-6.7	-50.3	-6.3
56	-39.7	-28.0	-7.5	-46.5	-8.2
57	-47.1	-33.6	-9.6	-53.8	-10.0
58	-40.9	-29.2	-8.4	-47.7	-9.1
59	-43.7	-32.7	-9.7	-53.2	-10.4
60	-41.3	-29.9	-8.8	-48.4	-9.5
61	-50.1	-36.3	-10.3	-57.4	-10.9
62	-41.5	-30.0	-8.9	-48.6	-9.6
63	-29.2	-27.6	-4.2	-56.4	-7.1
64	-58.7	-42.8	-6.2	-52.2	-8.1
65	-55.1	-39.9	-6.4	-47.7	-8.1
66	-59.3	-44.0	-6.8	-53.5	-8.8
67	-55.2	-41.7	-6.9	-50.1	-8.9
68	-55.7	-40.7	-6.6	-48.8	-8.2
69	-60.2	-45.5	-7.7	-55.1	-9.9
70	-56.5	-42.7	-7.5	-51.5	-9.4
71	-56.4	-42.0	-7.5	-50.1	-9.2
72	-60.1	-45.5	-7.6	-55.1	-9.8
73	-56.5	-43.0	-7.8	-51.8	-9.7

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Table 26 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
74	-56.9	-42.4	-7.8	-50.6	-9.5
75	-17.2	-10.2	5.1	-80.1	-16.1
76	-17.1	-11.2	4.4	-80.1	-16.9
77	-17.1	-11.7	3.7	-78.0	-17.2
78	-17.3	-10.7	4.8	-80.1	-16.3
79	-17.7	-12.0	4.0	-80.8	-17.7
80	-16.5	-11.1	4.2	-77.2	-16.7
81	-17.9	-11.5	4.2	-80.7	-17.1
82	-17.2	-11.6	4.4	-80.3	-17.2
83	-17.0	-11.5	4.2	-78.6	-16.8
84	-17.3	-11.0	4.8	-80.1	-16.5
85	-22.4	-15.9	0.8	-25.0	-1.5
86	-19.9	-13.9	1.6	-21.9	-0.6
87	-19.6	-15.9	2.7	-22.5	0.1
88	-20.5	-14.4	0.4	-21.9	-1.6
89	-22.5	-16.4	0.1	-25.4	-2.2
90	-20.7	-14.7	0.2	-22.0	-1.9
91	-22.5	-16.4	0.2	-25.4	-2.1
92	-20.5	-14.5	0.3	-21.9	-1.8
93	-20.1	-14.3	1.3	-22.3	-0.9
94	-20.1	-14.2	1.3	-22.3	-0.9
95	-20.7	-15.9	0.5	-23.7	-1.9
96	-20.2	-14.1	0.8	-21.5	-1.4
97	-20.9	-16.1	0.6	-24.0	-2.0
98	-19.0	-16.0	2.0	-22.2	-0.8
99	-19.4	-14.3	0.6	-21.9	-1.6
100	-19.8	-14.2	1.6	-22.3	-0.7
101	-17.0	-12.9	0.4	-19.2	-1.7
102	-20.6	-14.5	0.5	-22.1	-1.6
103	-20.7	-15.9	0.6	-23.6	-2.0
104	-20.5	-14.4	0.6	-22.1	-1.6
105	-20.6	-14.9	-0.1	-22.5	-2.3
106	-20.0	-14.3	1.4	-22.4	-0.9

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Table 26 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
107	-36.5	-31.1	-4.9	-62.1	-9.7
108	-34.9	-29.0	-5.0	-59.5	-9.2
109	-37.3	-32.0	-5.3	-63.5	-10.2
110	-35.0	-30.6	-5.6	-59.0	-10.4
111	-34.9	-29.5	-5.2	-60.3	-9.5
112	-37.6	-32.5	-5.6	-64.3	-10.7
113	-35.2	-30.7	-5.8	-59.3	-10.5
114	-35.5	-30.4	-5.4	-61.3	-9.9
115	-37.5	-32.5	-5.5	-64.2	-10.6
116	-35.8	-31.4	-6.4	-60.2	-11.2
117	-35.7	-30.7	-5.6	-61.6	-10.1
118	-34.4	-33.4	-6.3	-48.3	-7.9
119	-27.4	-26.8	-5.5	-41.8	-6.1
120	-34.8	-34.4	-6.6	-48.3	-8.2
121	-29.5	-27.8	-5.7	-43.8	-6.6
122	-33.2	-32.9	-6.2	-48.7	-7.8
123	-29.8	-29.2	-6.9	-44.4	-7.3
124	-35.4	-35.2	-7.1	-51.8	-8.9
125	-30.3	-29.5	-6.8	-44.0	-7.8
126	-29.8	-28.6	-6.5	-43.8	-7.2
127	-36.0	-34.9	-6.9	-51.6	-8.5
128	-49.2	-32.5	-8.4	-53.5	-9.7
129	-47.2	-30.6	-8.7	-50.3	-9.8
130	-48.7	-32.9	-8.4	-53.6	-9.9
131	-46.7	-32.0	-8.4	-51.3	-9.8
132	-47.2	-31.0	-8.7	-50.8	-9.7
133	-50.3	-34.5	-9.6	-55.6	-11.0
134	-47.1	-32.4	-8.9	-51.7	-10.2
135	-47.6	-32.0	-9.3	-51.7	-10.4
136	-50.2	-34.4	-9.4	-55.5	-10.8
137	-47.5	-32.9	-9.3	-52.3	-10.7
138	-47.7	-32.1	-9.4	-52.0	-10.4
139	-33.5	-28.8	-4.9	-57.7	-8.3

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Table 26 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
140	-34.6	-29.9	-5.3	-59.4	-8.9
141	-32.4	-28.4	-6.0	-55.5	-9.3
142	-52.4	-40.5	-3.4	-54.8	-11.1
143	-49.4	-38.2	-3.2	-50.1	-11.0
144	-48.0	-37.6	-2.8	-49.2	-10.3
145	-50.4	-37.8	-2.7	-52.1	-9.5
146	-47.5	-35.7	-2.4	-47.8	-9.5
147	-47.5	-35.3	-1.9	-47.6	-8.6
148	-11.9	-5.8	5.6	-60.6	-14.1
149	-12.9	-8.9	3.3	-77.5	-18.6
150	-39.0	-29.7	3.0	-43.8	-2.2
151	-28.4	-29.0	-0.3	-38.8	-3.3
152	-20.3	-14.6	-1.0	-37.5	-2.1
153	-15.6	-16.4	-1.6	-36.2	-2.9
154	-32.0	-23.4	-3.5	-49.0	-7.8
155	-28.8	-24.8	-4.1	-44.8	-6.0
156	-23.3	-20.3	-3.7	-45.4	-6.8
157	-27.7	-26.0	-4.0	-45.5	-5.9
158	-12.5	-6.5	5.5	-61.3	-14.3
159	-12.4	-6.4	5.5	-61.2	-14.3
160	-39.3	-30.2	2.9	-44.3	-2.5
161	-26.8	-27.4	1.6	-35.1	-1.6
162	-21.6	-14.6	0.6	-35.7	-1.4
163	-19.2	-17.0	-2.3	-40.4	-3.0
164	-31.4	-23.5	-1.9	-45.2	-6.3
165	-24.9	-18.7	-0.8	-39.1	-3.5
166	-31.8	-27.5	-5.3	-55.8	-9.1
167	-32.0	-26.6	-3.4	-49.2	-5.5
168	-12.9	-6.8	5.4	-61.8	-14.4
169	-12.7	-6.6	5.5	-62.0	-14.3
170	-38.5	-29.0	2.6	-42.6	-2.5
171	-40.0	-34.3	1.1	-48.6	-4.1
172	-20.8	-12.8	-0.1	-39.4	-1.2

Continued on next page

Table 26 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
173	-24.0	-20.6	-2.4	-46.6	-3.6
174	-25.7	-19.4	-1.0	-39.6	-3.6
175	-37.6	-31.6	-5.7	-61.9	-10.1
176	-33.2	-27.0	-3.9	-52.8	-6.3
177	-12.5	-6.4	5.7	-61.1	-14.1
178	-11.7	-8.8	5.3	-79.2	-17.0
179	-38.5	-28.9	2.7	-42.6	-2.5
180	-40.8	-31.7	1.5	-45.9	-3.9
181	-25.0	-18.3	-1.7	-46.8	-2.5
182	-25.1	-18.6	-1.9	-47.2	-2.4
183	-30.9	-23.2	-1.5	-44.8	-5.9
184	-25.3	-19.0	-0.8	-39.1	-3.3
185	-35.9	-29.5	-5.1	-59.6	-9.5
186	-31.9	-24.7	-3.0	-49.8	-5.6
187	-18.2	-11.2	3.5	-79.0	-19.3
188	-44.7	-37.1	1.2	-53.8	-4.7
189	-26.6	-18.7	-0.7	-49.4	-2.5
190	-39.6	-32.3	-5.0	-64.5	-10.5
191	-34.9	-27.5	-2.8	-54.3	-6.6
192	-19.2	-12.2	3.6	-83.0	-19.8
193	-46.6	-39.3	0.2	-56.4	-5.8
194	-28.7	-20.5	-1.8	-52.5	-3.4
195	-42.4	-33.8	-6.5	-68.5	-12.0
196	-37.9	-29.2	-4.7	-58.3	-8.3
197	-15.8	-10.1	6.4	-82.2	-16.0
198	-42.2	-38.7	1.0	-52.2	-4.3
199	-25.4	-22.0	-0.3	-50.1	-1.7
200	-35.3	-31.0	-3.4	-62.9	-8.4
201	-36.8	-32.3	-3.2	-56.1	-5.9
202	-17.5	-11.1	2.5	-70.6	-19.8
203	-46.6	-37.6	0.0	-53.0	-6.2
204	-26.3	-18.3	-1.1	-43.4	-3.6
205	-38.3	-29.8	-5.7	-58.3	-11.2

Continued on next page

Table 26 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
206	-33.9	-25.1	-3.0	-49.8	-6.7
207	-16.3	-9.7	5.1	-78.1	-16.3
208	-38.8	-34.7	0.6	-45.5	-4.5
209	-25.2	-19.6	-2.0	-46.8	-3.0
210	-35.1	-29.3	-5.2	-58.6	-9.6
211	-26.7	-22.6	-2.3	-43.2	-5.2
212	-16.3	-10.1	3.1	-68.8	-18.6
213	-43.1	-34.1	1.7	-48.8	-4.1
214	-24.9	-15.4	0.5	-44.8	-1.2
215	-36.3	-26.9	-3.5	-56.1	-8.1
216	-33.4	-24.8	-3.4	-49.3	-6.2
217	-17.4	-10.3	3.7	-75.4	-18.8
218	-47.5	-38.6	-0.2	-54.4	-6.4
219	-27.2	-18.1	-1.1	-48.6	-2.9
220	-39.0	-30.6	-5.5	-58.6	-10.7
221	-39.3	-30.1	-4.3	-54.9	-7.4
222	-13.9	-8.6	7.5	-77.6	-15.0
223	-47.6	-39.2	-0.6	-54.9	-6.7
224	-26.8	-22.6	-1.0	-49.8	-2.8
225	-37.2	-29.1	-5.2	-55.1	-10.5
226	-37.1	-28.7	-4.0	-56.0	-8.1
227	-15.7	-8.8	4.2	-72.4	-17.4
228	-36.8	-28.7	2.6	-41.0	-2.0
229	-24.7	-16.7	-0.3	-41.6	-2.5
230	-30.7	-23.6	-2.3	-42.8	-7.0
231	-27.5	-16.2	-0.7	-39.8	-3.1
232	-15.7	-9.0	4.5	-73.3	-17.3
233	-44.4	-35.5	1.1	-50.7	-4.2
234	-24.6	-15.5	0.3	-45.9	-1.1
235	-38.8	-31.1	-4.5	-57.6	-9.1
236	-30.1	-22.1	-3.0	-44.1	-5.5
MAXD	-60.2	-45.5	-10.3	-83.0	-19.8
MD	-30.7	-24.1	-1.9	-50.3	-7.8

Continued on next page

Table 26 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
MAD	30.7	24.1	4.2	50.3	7.9

Table 27: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the M06-L functional. All values are without a counter poise correction. MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
1	-37.5	-32.0	-10.0	-33.5	-11.7
2	-43.5	-36.0	-11.5	-37.5	-13.9
3	-37.5	-31.5	-8.8	-32.6	-10.8
4	-45.0	-37.4	-11.8	-38.7	-14.5
5	-41.4	-34.9	-10.4	-36.1	-12.6
6	-46.5	-38.7	-12.6	-40.1	-15.4
7	-41.4	-35.1	-10.4	-36.4	-12.7
8	-18.3	-15.1	-7.5	-73.4	-19.0
9	-20.5	-16.8	-8.4	-75.5	-20.5
10	-22.5	-15.5	-5.5	-69.4	-19.0
11	-22.3	-15.9	-5.5	-69.9	-19.0
12	-18.0	-14.8	-6.7	-73.1	-18.5
13	-18.9	-15.2	-6.4	-73.7	-18.7
14	-22.0	-15.0	-4.9	-68.8	-18.5
15	-23.5	-16.9	-6.0	-72.2	-19.7
16	-17.8	-14.7	-6.0	-74.0	-18.1
17	-18.9	-15.3	-6.3	-73.8	-18.7
18	-21.8	-14.8	-4.5	-68.6	-18.3
19	-24.0	-17.5	-6.4	-72.8	-20.1
20	-18.0	-14.9	-6.0	-74.4	-18.1
21	-13.3	-12.7	-2.1	-14.2	-1.1
22	-14.3	-12.1	0.7	-10.6	-0.3
23	-13.7	-13.6	-1.6	-13.8	-1.2
24	-14.3	-13.9	-2.6	-14.6	-2.1
25	-15.1	-14.6	-2.9	-15.7	-2.6
26	-12.9	-12.4	-1.4	-13.4	-0.9

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Table 27 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
27	-12.8	-12.4	-1.4	-13.9	-0.8
28	-12.1	-11.7	-0.8	-12.9	-0.1
29	-13.5	-13.3	-1.1	-13.5	-1.0
30	-15.7	-15.0	-2.8	-15.9	-2.5
31	-15.9	-13.5	0.0	-12.3	-0.9
32	-16.1	-15.4	-2.8	-16.2	-2.6
33	-11.6	-11.4	-0.1	-12.7	0.4
34	-11.7	-11.3	-0.3	-12.6	0.2
35	-12.3	-12.2	0.3	-12.4	0.3
36	-14.7	-14.0	-1.1	-14.7	-1.1
37	-10.4	-10.2	1.2	-11.5	1.6
38	-20.7	-21.5	-3.5	-38.0	-6.6
39	-24.3	-23.2	-5.7	-43.0	-9.4
40	-20.2	-20.8	-2.4	-37.9	-5.7
41	-26.4	-25.2	-6.4	-45.4	-10.4
42	-20.0	-20.6	-1.9	-38.0	-5.4
43	-26.3	-25.2	-6.1	-45.4	-10.2
44	-20.4	-20.9	-2.0	-38.2	-5.4
45	-22.9	-23.2	-5.2	-33.0	-4.1
46	-18.7	-19.3	-0.7	-23.6	-2.9
47	-16.7	-17.4	-3.6	-23.4	-2.8
48	-29.1	-28.7	-8.3	-38.4	-7.5
49	-25.0	-23.3	-2.5	-28.0	-4.1
50	-19.8	-19.8	-4.9	-26.9	-4.3
51	-22.1	-21.8	-3.3	-30.6	-2.2
52	-30.8	-30.0	-8.7	-39.7	-8.1
53	-25.5	-23.4	-1.5	-28.3	-3.3
54	-19.5	-19.2	-3.8	-26.1	-3.6
55	-20.3	-19.7	-1.9	-28.4	-0.7
56	-27.5	-21.1	-7.4	-31.6	-8.2
57	-34.9	-26.5	-10.6	-37.7	-11.7
58	-28.1	-21.6	-7.6	-31.9	-8.4
59	-29.1	-22.9	-7.9	-34.3	-8.8

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Table 27 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
60	-28.0	-21.6	-7.4	-32.0	-8.2
61	-37.7	-28.8	-11.4	-40.2	-13.0
62	-27.8	-21.2	-7.0	-31.7	-7.8
63	-19.1	-18.3	-2.6	-36.2	-4.9
64	-49.9	-39.7	-11.1	-38.1	-15.7
65	-47.2	-37.3	-10.8	-34.9	-15.3
66	-50.1	-40.1	-10.9	-38.4	-15.7
67	-45.0	-36.7	-9.2	-34.5	-13.7
68	-47.0	-37.2	-10.2	-34.7	-14.9
69	-51.1	-41.5	-11.8	-39.8	-16.8
70	-45.7	-37.2	-9.4	-35.0	-13.8
71	-46.8	-37.5	-10.3	-34.9	-15.3
72	-50.5	-41.0	-11.1	-39.2	-16.1
73	-45.3	-36.9	-9.0	-35.0	-13.4
74	-46.9	-37.6	-10.3	-35.1	-15.2
75	-26.0	-19.2	-8.3	-73.8	-22.6
76	-24.5	-18.5	-7.3	-71.9	-21.5
77	-24.5	-19.0	-8.1	-70.9	-22.1
78	-24.8	-18.2	-7.0	-72.2	-21.3
79	-24.8	-18.9	-7.5	-72.0	-21.9
80	-23.3	-17.8	-6.8	-69.3	-20.8
81	-25.0	-18.4	-7.0	-72.1	-21.4
82	-24.1	-18.1	-6.6	-71.2	-21.0
83	-23.4	-17.8	-6.5	-69.8	-20.6
84	-24.1	-17.5	-6.0	-71.2	-20.4
85	-21.0	-17.7	-4.9	-18.2	-6.6
86	-21.4	-18.1	-6.0	-17.9	-7.6
87	-12.6	-11.1	2.1	-10.7	0.3
88	-20.8	-17.1	-4.9	-16.8	-6.8
89	-19.9	-16.8	-3.8	-17.1	-5.7
90	-20.6	-17.7	-5.1	-16.5	-7.0
91	-19.9	-16.8	-3.9	-17.2	-5.8
92	-20.4	-17.6	-4.9	-16.3	-6.8

Continued on next page

Table 27 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
93	-20.7	-17.5	-5.2	-17.2	-6.9
94	-20.6	-17.4	-5.1	-17.1	-6.8
95	-19.2	-16.9	-3.9	-16.5	-5.7
96	-19.6	-16.6	-3.9	-15.2	-5.8
97	-19.2	-16.8	-3.7	-16.5	-5.5
98	-10.5	-9.7	3.6	-8.8	1.7
99	-18.9	-16.1	-4.3	-15.6	-5.7
100	-19.7	-16.5	-4.0	-16.3	-5.9
101	-16.3	-14.2	-3.4	-13.6	-4.9
102	-19.5	-16.5	-3.6	-15.4	-5.7
103	-19.0	-16.5	-3.5	-16.0	-5.4
104	-19.5	-16.5	-3.6	-15.4	-5.6
105	-18.4	-14.7	-2.2	-14.5	-4.4
106	-19.7	-16.4	-3.9	-16.2	-5.8
107	-28.1	-25.7	-5.4	-42.4	-11.7
108	-25.2	-23.2	-4.4	-39.1	-10.9
109	-29.0	-26.4	-5.5	-43.3	-11.9
110	-26.2	-24.5	-4.8	-39.5	-10.8
111	-25.7	-23.6	-4.3	-39.9	-10.8
112	-30.0	-27.4	-6.1	-44.4	-12.8
113	-25.6	-23.8	-4.0	-38.8	-10.0
114	-25.7	-23.9	-4.0	-40.0	-10.8
115	-29.5	-27.0	-5.7	-43.9	-12.3
116	-25.7	-24.1	-4.1	-39.2	-10.3
117	-25.5	-23.6	-3.6	-39.7	-10.5
118	-24.5	-23.3	-4.9	-29.0	-6.8
119	-17.9	-18.3	-4.9	-23.3	-6.0
120	-24.8	-24.3	-5.4	-28.5	-7.6
121	-19.6	-19.1	-5.0	-25.3	-6.3
122	-24.3	-23.5	-5.1	-29.7	-7.1
123	-18.3	-18.9	-4.6	-23.1	-5.6
124	-23.1	-22.4	-3.5	-28.9	-5.6
125	-19.4	-19.6	-4.8	-24.3	-6.1

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Table 27 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
126	-18.8	-18.5	-4.4	-23.3	-5.6
127	-23.8	-22.5	-3.4	-29.0	-5.3
128	-37.3	-26.2	-9.7	-35.4	-12.5
129	-35.9	-24.3	-9.5	-32.9	-12.4
130	-34.7	-24.4	-7.5	-33.1	-10.6
131	-34.3	-24.8	-8.5	-32.9	-11.0
132	-35.2	-24.0	-8.8	-32.4	-11.7
133	-37.8	-27.1	-10.0	-36.2	-12.9
134	-33.5	-23.9	-7.6	-32.0	-10.3
135	-35.3	-24.3	-9.0	-32.8	-11.9
136	-37.2	-26.3	-8.9	-35.5	-12.0
137	-33.2	-23.7	-7.4	-31.9	-10.0
138	-35.1	-24.2	-8.7	-32.7	-11.6
139	-21.5	-19.3	-2.2	-33.9	-7.3
140	-22.8	-20.2	-2.2	-35.2	-7.5
141	-19.8	-18.0	-1.5	-31.4	-6.2
142	-40.0	-34.8	-3.7	-38.1	-13.0
143	-38.3	-33.7	-3.8	-35.5	-12.8
144	-37.6	-34.5	-4.8	-36.1	-13.0
145	-40.4	-34.5	-4.7	-37.3	-14.1
146	-38.7	-33.6	-5.0	-35.1	-14.1
147	-39.4	-34.8	-5.9	-36.3	-14.5
148	-9.8	-6.7	0.5	-51.9	-12.0
149	-21.5	-18.1	-9.7	-80.2	-21.1
150	-32.4	-29.3	-1.0	-31.2	-7.5
151	-26.0	-29.1	-3.7	-32.3	-6.6
152	-16.8	-14.4	-4.0	-27.4	-6.2
153	-8.5	-11.7	-1.9	-25.1	-1.9
154	-19.6	-16.4	-0.1	-30.6	-5.4
155	-21.9	-20.5	-5.1	-31.6	-7.7
156	-18.3	-17.5	-4.3	-34.7	-7.1
157	-19.9	-19.6	-4.2	-31.0	-5.8
158	-10.0	-6.8	0.9	-51.9	-11.7

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Table 27 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
159	-10.2	-7.1	0.6	-52.3	-12.1
160	-32.2	-29.1	-0.4	-31.0	-7.1
161	-24.5	-27.6	-2.0	-28.7	-4.7
162	-14.5	-12.0	-1.1	-22.1	-4.1
163	-15.5	-15.4	-4.5	-29.8	-5.0
164	-19.4	-16.5	0.5	-27.5	-4.7
165	-17.6	-15.4	-1.9	-24.9	-6.0
166	-22.0	-21.0	-4.1	-39.0	-7.9
167	-22.3	-21.7	-5.1	-33.2	-8.5
168	-10.1	-6.8	1.2	-52.0	-11.5
169	-10.3	-7.1	1.0	-52.8	-11.8
170	-33.1	-29.7	-1.5	-31.3	-8.3
171	-35.8	-35.4	-4.3	-38.6	-11.0
172	-15.5	-12.4	-2.4	-26.5	-5.5
173	-19.1	-18.2	-4.7	-33.2	-6.5
174	-18.3	-16.1	-1.8	-25.2	-6.1
175	-24.5	-22.3	-2.3	-40.3	-7.3
176	-23.8	-21.1	-3.3	-35.2	-7.5
177	-9.6	-6.3	1.7	-51.3	-11.1
178	-22.2	-18.5	-8.8	-80.8	-21.0
179	-33.1	-29.6	-1.3	-31.2	-8.2
180	-33.2	-30.0	-1.1	-32.1	-7.8
181	-18.2	-16.4	-4.1	-30.9	-6.9
182	-18.5	-16.9	-4.4	-31.7	-7.0
183	-18.6	-15.6	1.2	-26.7	-3.9
184	-17.9	-15.7	-1.5	-24.6	-5.8
185	-23.1	-21.1	-1.8	-38.2	-7.3
186	-22.1	-19.6	-2.1	-32.0	-7.3
187	-15.3	-11.7	-2.7	-65.4	-18.0
188	-39.9	-38.5	-5.4	-41.6	-13.6
189	-23.1	-20.1	-6.5	-35.6	-10.9
190	-27.1	-24.7	-3.5	-42.3	-10.8
191	-25.5	-23.1	-3.9	-36.1	-10.7

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Table 27 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
192	-16.9	-12.8	-3.1	-68.6	-18.8
193	-40.7	-39.2	-5.2	-42.0	-13.7
194	-23.7	-20.4	-6.1	-36.8	-10.7
195	-29.8	-26.0	-4.4	-45.4	-12.2
196	-28.3	-24.6	-4.7	-39.0	-12.1
197	-24.6	-18.9	-7.4	-75.1	-21.5
198	-42.8	-42.3	-8.9	-43.3	-15.3
199	-24.1	-22.9	-7.3	-36.5	-9.9
200	-30.7	-28.4	-7.2	-46.1	-13.1
201	-32.2	-30.0	-8.8	-41.2	-12.6
202	-12.7	-9.2	-1.3	-56.9	-16.6
203	-41.0	-38.1	-5.7	-39.4	-14.6
204	-20.8	-17.5	-4.8	-29.4	-9.8
205	-26.1	-22.4	-3.6	-37.5	-11.1
206	-23.7	-20.2	-2.5	-31.4	-10.0
207	-25.2	-19.0	-8.9	-72.2	-22.7
208	-39.4	-38.0	-7.7	-38.0	-14.0
209	-23.2	-20.8	-7.8	-33.8	-10.7
210	-28.5	-26.0	-6.8	-41.5	-12.7
211	-24.2	-21.5	-5.5	-31.8	-9.9
212	-11.2	-8.8	-1.1	-55.9	-15.5
213	-37.2	-35.0	-3.6	-36.7	-11.9
214	-21.8	-17.6	-5.7	-32.7	-10.4
215	-24.9	-21.4	-2.9	-37.3	-10.0
216	-25.7	-22.1	-5.7	-33.9	-11.3
217	-14.4	-10.8	-2.5	-62.0	-17.4
218	-41.2	-38.7	-5.2	-40.8	-14.0
219	-24.9	-20.9	-7.9	-36.4	-12.5
220	-28.2	-24.4	-5.3	-39.1	-12.0
221	-30.2	-25.9	-6.7	-37.5	-12.6
222	-25.5	-19.8	-8.9	-73.0	-22.3
223	-40.0	-37.7	-4.1	-39.9	-12.8
224	-23.2	-21.5	-6.2	-34.2	-9.0

Continued on next page

Table 27 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
225	-24.5	-21.1	-2.2	-35.5	-9.6
226	-27.1	-23.6	-4.3	-36.5	-11.6
227	-12.8	-10.5	-3.1	-60.8	-16.5
228	-33.8	-32.0	-3.8	-33.7	-10.4
229	-20.3	-17.8	-5.4	-30.4	-9.3
230	-18.7	-17.4	-1.0	-27.3	-6.2
231	-22.0	-16.4	-2.8	-28.3	-8.7
232	-13.4	-10.9	-2.9	-61.5	-16.3
233	-39.0	-37.4	-5.6	-39.3	-12.7
234	-23.1	-19.6	-7.3	-35.0	-10.8
235	-27.6	-25.6	-5.3	-39.6	-11.5
236	-23.6	-20.7	-5.8	-30.9	-10.3
MAXD	-51.1	-42.3	-12.6	-80.8	-22.7
MD	-25.1	-21.7	-4.9	-37.0	-10.1
MAD	25.1	21.7	5.0	37.0	10.2

Table 28: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the M05 functional. All values are without a counter poise correction. MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
1	-30.1	-19.1	10.5	-27.0	9.4
2	-36.2	-23.5	9.7	-31.9	8.5
3	-31.0	-20.3	10.2	-27.6	8.9
4	-36.9	-24.2	10.2	-32.7	8.9
5	-33.8	-22.4	10.5	-30.5	9.1
6	-37.8	-25.1	9.9	-33.8	8.5
7	-33.8	-22.5	10.4	-30.7	9.1
8	-8.3	-2.5	11.5	-78.5	-12.7
9	-9.5	-4.3	11.0	-81.5	-13.9
10	-18.3	-10.9	5.4	-80.1	-18.8
11	-16.3	-10.0	6.8	-80.0	-17.4
12	-7.6	-2.2	12.3	-78.2	-12.1

Continued on next page

Table 28 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
13	-7.7	-2.9	12.6	-80.0	-12.3
14	-17.8	-10.6	5.7	-79.8	-18.5
15	-15.2	-8.9	8.7	-81.7	-16.3
16	-5.8	-0.6	14.6	-79.0	-10.5
17	-7.4	-2.8	12.9	-80.0	-12.1
18	-17.3	-10.2	6.3	-79.6	-18.2
19	-14.6	-8.5	9.2	-81.8	-15.9
20	-5.5	-0.5	14.9	-79.1	-10.3
21	1.6	4.4	21.3	-2.8	17.5
22	-11.3	-8.2	10.5	-13.8	6.0
23	1.2	3.6	22.1	-3.0	18.0
24	-0.6	2.0	19.8	-5.1	15.7
25	-0.1	2.7	20.9	-5.0	16.9
26	1.1	3.4	20.6	-3.2	16.9
27	1.8	4.2	21.3	-2.9	17.5
28	3.3	5.7	22.4	-0.9	18.7
29	1.7	4.0	22.6	-2.4	18.5
30	0.3	3.4	22.2	-3.8	18.3
31	-6.3	-3.2	16.8	-9.3	11.9
32	0.5	3.4	22.7	-4.2	18.7
33	4.2	6.3	23.4	-0.3	19.6
34	4.0	6.2	23.0	-0.4	19.2
35	3.0	5.2	24.0	-1.3	19.8
36	2.6	5.4	25.0	-2.2	20.9
37	5.6	7.7	24.8	1.2	21.0
38	-6.5	-3.7	20.5	-31.4	13.8
39	-7.2	-3.2	21.2	-35.6	14.1
40	-6.3	-3.6	21.1	-31.7	14.5
41	-8.0	-4.0	22.0	-37.2	14.5
42	-5.8	-3.3	21.6	-31.7	15.1
43	-7.4	-3.6	22.8	-37.1	15.3
44	-6.0	-3.6	21.5	-31.9	15.0
45	-5.4	-2.0	23.8	-22.4	24.0

Continued on next page

Table 28 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
46	-16.3	-16.2	8.7	-29.6	5.9
47	-8.5	-6.9	14.2	-21.6	14.2
48	-8.1	-4.0	24.7	-25.8	25.2
49	-19.5	-16.8	11.9	-32.0	9.6
50	-11.2	-8.6	14.2	-25.5	14.4
51	-6.6	-3.3	22.7	-22.3	22.9
52	-7.9	-3.5	26.1	-25.3	26.7
53	-19.1	-16.2	13.8	-32.2	11.5
54	-11.6	-8.4	15.1	-25.8	15.2
55	-4.9	-1.5	23.6	-19.6	24.2
56	-22.2	-9.9	10.8	-28.8	10.1
57	-28.7	-14.5	10.1	-34.7	9.7
58	-22.9	-10.9	10.1	-29.5	9.6
59	-25.3	-13.7	9.4	-33.9	9.4
60	-22.8	-11.1	10.1	-29.6	9.6
61	-29.5	-15.0	11.2	-35.9	10.7
62	-22.0	-10.5	10.7	-28.9	10.2
63	-0.9	2.1	25.1	-28.1	20.0
64	-47.7	-34.3	3.6	-40.3	0.9
65	-45.2	-33.2	1.8	-37.2	-0.7
66	-46.9	-34.2	4.2	-40.1	1.4
67	-45.2	-34.1	2.1	-38.9	-0.3
68	-45.0	-33.4	2.1	-37.5	-0.3
69	-47.3	-35.2	3.7	-41.2	1.0
70	-45.8	-34.7	1.8	-39.5	-0.5
71	-44.7	-33.6	2.1	-37.8	-0.3
72	-46.7	-34.7	4.3	-40.6	1.5
73	-45.3	-34.4	2.1	-39.4	-0.1
74	-44.7	-33.7	2.1	-37.9	-0.2
75	-16.8	-11.4	6.8	-83.8	-17.6
76	-15.0	-10.5	8.0	-82.5	-16.7
77	-16.3	-12.0	6.0	-81.6	-18.1
78	-15.9	-10.9	7.4	-82.7	-16.8

Continued on next page

Table 28 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
79	-14.9	-10.6	8.2	-82.7	-16.9
80	-15.0	-10.9	7.0	-80.1	-17.0
81	-15.8	-11.1	7.5	-82.7	-16.9
82	-14.1	-9.9	8.9	-81.9	-16.1
83	-15.1	-11.0	7.3	-80.9	-16.9
84	-14.9	-10.3	8.3	-81.8	-16.0
85	-15.1	-11.4	8.0	-19.7	3.3
86	-11.8	-8.1	10.6	-15.5	5.8
87	-5.3	-4.2	15.1	-9.5	10.6
88	-11.4	-7.7	10.7	-14.4	6.0
89	-14.4	-11.1	8.2	-19.1	3.5
90	-12.4	-9.2	9.4	-15.6	4.8
91	-14.4	-11.1	8.2	-19.1	3.5
92	-12.2	-9.0	9.6	-15.4	4.9
93	-11.2	-7.8	11.0	-15.1	6.3
94	-11.1	-7.7	11.1	-14.9	6.4
95	-12.7	-10.5	9.2	-17.5	4.2
96	-11.3	-8.2	10.4	-14.5	5.8
97	-12.7	-10.5	9.3	-17.6	4.3
98	-3.6	-3.0	15.9	-7.8	11.6
99	-9.8	-7.2	10.9	-13.9	6.3
100	-10.1	-6.9	12.1	-14.2	7.3
101	-5.9	-4.1	12.4	-9.6	7.8
102	-11.4	-8.3	10.5	-14.8	5.9
103	-11.9	-9.6	10.0	-16.5	5.0
104	-11.3	-8.1	10.6	-14.7	6.0
105	-9.0	-5.7	12.6	-12.2	8.0
106	-10.0	-6.9	12.2	-14.1	7.3
107	-20.1	-15.7	11.1	-46.3	2.7
108	-21.8	-18.0	6.4	-46.4	-1.3
109	-19.6	-15.2	12.2	-46.0	3.7
110	-19.5	-15.7	10.3	-43.5	2.2
111	-20.1	-16.5	8.3	-45.6	0.6

Continued on next page

Table 28 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
112	-19.1	-14.8	12.8	-46.0	4.2
113	-18.9	-15.3	10.6	-43.2	2.7
114	-19.7	-16.6	9.0	-45.6	1.0
115	-18.7	-14.6	13.1	-45.7	4.6
116	-19.0	-15.5	10.5	-43.5	2.6
117	-19.4	-16.4	9.2	-45.5	1.3
118	-14.6	-13.9	11.6	-29.1	9.0
119	-10.5	-11.0	9.8	-24.6	8.7
120	-15.8	-16.3	9.7	-29.9	7.0
121	-12.9	-12.5	9.2	-26.8	8.0
122	-11.9	-11.8	13.4	-27.8	10.9
123	-11.2	-11.9	9.7	-25.2	8.9
124	-14.9	-14.7	11.6	-31.1	9.2
125	-12.9	-12.9	9.6	-26.4	8.5
126	-12.5	-12.5	9.2	-26.1	8.3
127	-13.9	-13.0	13.4	-29.5	11.0
128	-37.2	-22.4	2.3	-41.2	0.0
129	-36.4	-22.2	0.6	-39.2	-1.2
130	-35.4	-21.6	3.2	-39.9	1.0
131	-35.7	-23.1	1.2	-39.6	-0.8
132	-35.0	-21.4	1.7	-38.3	-0.2
133	-36.0	-22.1	3.4	-40.6	1.1
134	-35.2	-22.6	1.5	-39.1	-0.3
135	-34.4	-21.3	2.1	-38.2	0.2
136	-35.5	-21.7	3.8	-40.3	1.7
137	-34.8	-22.3	1.8	-38.9	0.1
138	-34.1	-21.1	2.4	-38.0	0.6
139	-15.4	-11.6	11.7	-39.6	5.6
140	-13.7	-10.2	14.1	-38.6	7.7
141	-14.2	-11.2	11.2	-36.9	5.4
142	-37.3	-29.8	9.7	-41.1	-2.6
143	-35.5	-28.3	9.5	-37.1	-2.6
144	-35.3	-28.2	9.7	-36.5	-1.7

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Table 28 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
145	-37.2	-29.5	8.5	-40.7	-3.0
146	-35.5	-28.3	8.1	-37.1	-3.3
147	-36.2	-28.0	9.0	-36.9	-1.8
148	-11.5	-5.0	7.8	-62.9	-13.7
149	-17.3	-9.9	4.1	-87.7	-20.1
150	-30.6	-24.3	11.7	-34.0	0.7
151	-16.6	-17.5	15.9	-26.5	7.8
152	-13.8	-9.4	6.1	-30.8	1.0
153	-3.8	-3.0	11.8	-24.7	8.6
154	-18.8	-10.7	9.8	-34.8	1.6
155	-16.1	-12.2	9.0	-32.0	4.4
156	-7.5	-3.5	14.1	-29.8	8.3
157	-13.7	-11.0	11.1	-30.9	7.4
158	-11.4	-5.2	8.3	-62.9	-13.3
159	-11.5	-5.3	8.1	-63.1	-13.5
160	-30.3	-24.3	12.1	-34.0	1.0
161	-14.3	-15.2	19.2	-22.6	10.9
162	-13.3	-7.8	8.1	-26.7	2.3
163	-4.4	-1.8	14.5	-25.6	10.7
164	-19.3	-12.3	9.1	-32.0	1.1
165	-14.2	-9.3	8.8	-27.6	2.6
166	-13.1	-7.6	15.2	-36.5	8.5
167	-16.9	-12.1	10.8	-33.8	6.0
168	-11.3	-5.1	8.6	-63.0	-12.9
169	-11.2	-5.0	8.8	-63.4	-12.9
170	-30.8	-24.5	10.7	-33.6	-0.2
171	-30.5	-27.4	12.4	-38.2	1.2
172	-11.3	-4.6	10.3	-29.5	4.7
173	-12.1	-8.4	11.2	-34.6	6.8
174	-14.7	-9.9	8.6	-27.9	2.5
175	-19.1	-12.2	14.1	-42.3	6.5
176	-16.0	-9.8	13.3	-35.8	7.9
177	-10.8	-4.7	9.0	-62.3	-12.6

Continued on next page

Table 28 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
178	-13.9	-7.9	8.1	-87.8	-16.8
179	-30.5	-24.3	11.0	-33.4	0.1
180	-31.1	-25.2	11.3	-34.9	0.3
181	-12.6	-6.9	11.3	-33.9	6.2
182	-12.2	-6.6	11.8	-34.0	7.1
183	-18.2	-11.4	10.0	-31.0	2.1
184	-14.1	-9.4	9.1	-27.2	2.9
185	-17.7	-11.1	13.7	-40.4	5.9
186	-16.3	-10.1	11.6	-34.5	5.5
187	-11.9	-6.4	10.2	-79.3	-15.4
188	-31.2	-28.1	14.4	-40.9	2.2
189	-12.9	-7.0	12.9	-36.8	6.0
190	-19.3	-13.0	14.4	-45.1	4.3
191	-17.0	-11.9	12.5	-38.3	4.3
192	-11.5	-5.9	11.7	-82.3	-14.8
193	-32.6	-30.2	13.6	-42.9	1.2
194	-13.6	-7.7	13.1	-38.5	6.4
195	-21.1	-13.7	14.2	-47.7	4.1
196	-19.3	-12.9	11.9	-41.5	3.7
197	-12.5	-7.4	11.8	-83.9	-13.6
198	-31.0	-30.7	13.4	-40.8	3.2
199	-11.8	-9.4	13.8	-36.7	9.0
200	-15.6	-11.2	17.0	-43.4	8.8
201	-19.9	-16.1	13.4	-39.1	8.7
202	-11.7	-7.0	7.9	-71.0	-16.7
203	-34.1	-30.3	11.5	-41.1	-1.1
204	-14.1	-9.3	9.6	-32.4	2.5
205	-19.7	-13.3	11.2	-40.6	1.5
206	-18.8	-13.3	8.8	-36.7	0.9
207	-16.0	-10.5	7.0	-81.5	-17.2
208	-30.5	-29.3	10.4	-37.2	0.9
209	-14.4	-10.5	9.0	-36.1	4.6
210	-19.7	-14.8	10.4	-43.2	2.9

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Table 28 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
211	-13.1	-9.8	11.2	-30.7	6.0
212	-12.3	-7.5	7.1	-69.8	-16.5
213	-32.1	-28.0	12.4	-38.1	0.4
214	-14.4	-7.1	11.3	-35.2	5.0
215	-21.2	-13.4	10.6	-41.5	2.2
216	-19.6	-13.2	9.7	-35.9	2.9
217	-12.5	-7.2	8.5	-75.5	-16.1
218	-35.1	-31.2	12.2	-42.2	-0.4
219	-13.9	-6.9	12.4	-36.1	5.6
220	-19.8	-13.2	12.9	-39.6	3.5
221	-23.1	-16.1	10.6	-39.3	3.9
222	-12.9	-7.7	11.0	-81.7	-14.2
223	-33.9	-30.5	12.9	-41.5	0.4
224	-15.6	-12.8	10.0	-38.8	5.0
225	-18.1	-12.2	12.4	-36.7	3.4
226	-18.3	-12.7	12.1	-38.6	3.9
227	-13.4	-7.7	6.9	-74.3	-16.3
228	-31.6	-27.0	9.1	-35.6	-0.8
229	-17.2	-11.2	7.7	-34.5	1.1
230	-19.2	-13.8	7.5	-31.2	0.1
231	-17.1	-8.3	8.8	-30.4	2.2
232	-12.7	-7.1	8.0	-74.6	-15.4
233	-34.1	-29.4	11.9	-40.1	0.8
234	-13.5	-6.0	12.2	-35.2	6.0
235	-23.9	-16.9	10.3	-42.9	2.3
236	-18.1	-12.3	8.4	-32.1	2.2
MAXD	-47.7	-35.2	26.1	-87.8	26.7
MD	-17.9	-12.4	11.3	-38.4	2.7
MAD	18.2	13.0	11.3	38.4	8.3

Table 29: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the M05-2X functional. All values are without a counter poise correction. MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
1	-34.3	-25.8	-5.0	-32.2	-3.6
2	-39.7	-29.3	-5.7	-36.5	-4.4
3	-35.6	-26.6	-4.8	-33.3	-3.5
4	-40.7	-30.2	-5.5	-37.6	-4.3
5	-37.9	-28.6	-4.9	-35.6	-3.8
6	-41.6	-31.1	-6.0	-38.7	-4.7
7	-38.0	-28.7	-4.9	-35.9	-3.8
8	-13.5	-9.7	1.9	-78.9	-17.9
9	-13.3	-9.4	3.4	-80.8	-16.9
10	-17.1	-8.5	4.6	-76.1	-15.1
11	-16.0	-8.6	5.1	-76.3	-14.8
12	-13.2	-9.5	2.5	-79.2	-17.4
13	-11.9	-8.1	5.1	-79.6	-15.3
14	-16.9	-8.4	4.8	-76.2	-15.0
15	-16.4	-9.1	5.4	-79.2	-15.2
16	-12.6	-9.4	3.7	-80.3	-17.0
17	-11.9	-8.2	5.2	-79.8	-15.4
18	-16.6	-8.2	5.2	-76.2	-14.8
19	-16.5	-9.4	5.3	-80.0	-15.5
20	-12.5	-9.4	3.9	-80.7	-16.9
21	-8.5	-6.3	5.9	-11.5	5.8
22	-12.0	-5.6	6.4	-12.1	6.4
23	-9.7	-7.0	6.2	-12.2	5.6
24	-9.7	-6.7	5.8	-12.5	5.3
25	-9.8	-7.0	6.1	-13.2	5.5
26	-8.8	-6.2	5.8	-11.7	5.4
27	-8.4	-6.3	6.3	-11.7	6.0
28	-8.0	-6.1	6.1	-10.9	5.9
29	-9.4	-6.8	6.6	-12.0	5.9
30	-10.4	-7.4	6.2	-13.0	5.7

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Table 29 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
31	-12.4	-7.2	6.7	-13.3	5.8
32	-10.7	-7.8	6.6	-13.8	5.9
33	-7.7	-6.0	6.2	-11.0	5.9
34	-7.7	-5.9	6.4	-10.7	6.0
35	-8.2	-5.6	8.0	-11.0	7.2
36	-9.1	-6.3	8.3	-12.4	7.6
37	-6.7	-5.0	7.3	-9.9	7.0
38	-21.7	-21.2	-0.8	-44.9	-2.4
39	-22.4	-20.3	-0.8	-48.4	-2.5
40	-22.1	-21.3	-0.5	-46.0	-2.2
41	-23.8	-21.5	-0.5	-50.7	-2.4
42	-21.9	-21.1	-0.1	-46.1	-1.8
43	-23.4	-21.2	0.1	-50.8	-1.8
44	-22.2	-21.5	-0.2	-46.5	-1.9
45	-19.2	-18.6	3.6	-33.6	5.4
46	-15.5	-15.2	7.8	-26.9	7.4
47	-15.3	-14.4	2.3	-26.6	4.5
48	-22.5	-21.1	3.3	-37.2	5.7
49	-21.5	-19.0	6.2	-32.0	6.4
50	-17.4	-15.4	2.5	-30.2	4.8
51	-19.4	-18.1	4.3	-33.1	6.4
52	-23.1	-21.4	4.0	-37.7	6.4
53	-22.0	-19.3	7.1	-33.0	7.3
54	-18.0	-15.4	3.1	-30.6	5.3
55	-17.8	-16.3	5.3	-30.6	7.4
56	-26.9	-16.7	-3.2	-32.2	-1.0
57	-32.7	-20.8	-4.7	-37.8	-2.1
58	-27.7	-17.5	-3.8	-33.0	-1.5
59	-27.9	-18.3	-2.9	-35.4	-0.9
60	-27.7	-17.6	-3.6	-33.2	-1.4
61	-34.1	-21.8	-4.5	-39.6	-1.9
62	-27.5	-17.3	-3.4	-33.0	-1.1
63	-19.0	-17.9	0.8	-43.6	0.3

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Table 29 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
64	-46.1	-31.7	-4.4	-39.1	-3.8
65	-43.3	-29.4	-4.6	-35.4	-4.0
66	-46.1	-32.1	-4.3	-39.6	-3.8
67	-41.8	-29.2	-3.5	-35.7	-3.2
68	-42.9	-29.1	-3.8	-35.4	-3.2
69	-46.4	-33.0	-4.6	-40.6	-4.4
70	-42.8	-30.0	-4.0	-36.8	-3.5
71	-42.6	-29.3	-3.8	-35.6	-3.3
72	-46.1	-32.7	-4.3	-40.4	-3.9
73	-42.2	-29.7	-3.7	-36.5	-3.2
74	-42.7	-29.4	-3.7	-35.8	-3.3
75	-18.0	-9.0	5.3	-81.7	-14.7
76	-17.4	-9.4	5.5	-81.3	-14.6
77	-16.5	-9.4	5.2	-78.3	-14.6
78	-17.4	-8.8	5.9	-81.1	-14.1
79	-17.3	-9.6	5.6	-81.4	-14.8
80	-15.5	-8.5	6.1	-77.2	-13.7
81	-17.4	-9.0	5.8	-81.1	-14.3
82	-16.7	-8.9	6.3	-80.7	-14.2
83	-15.5	-8.4	6.6	-78.1	-13.4
84	-16.7	-8.3	6.7	-80.4	-13.5
85	-16.2	-10.4	4.8	-17.8	3.1
86	-15.1	-9.9	4.1	-16.1	2.3
87	-12.4	-9.0	7.9	-14.0	5.9
88	-15.4	-9.9	3.8	-15.9	1.9
89	-15.6	-10.1	5.1	-17.5	3.3
90	-14.9	-9.7	4.0	-15.4	2.2
91	-15.6	-10.1	5.1	-17.5	3.3
92	-14.8	-9.5	4.2	-15.2	2.4
93	-14.6	-9.5	4.6	-15.8	2.8
94	-14.5	-9.5	4.6	-15.8	2.8
95	-13.5	-9.1	5.7	-15.5	3.9
96	-14.0	-8.7	5.0	-14.5	3.2

Continued on next page

Table 29 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
97	-13.7	-9.4	5.7	-15.8	3.8
98	-11.2	-8.3	8.2	-13.1	5.9
99	-12.5	-8.0	5.7	-14.0	3.8
100	-13.6	-8.7	5.7	-15.1	3.7
101	-10.1	-6.6	5.6	-11.8	3.6
102	-14.0	-8.7	5.2	-14.7	3.3
103	-13.6	-9.2	5.8	-15.4	3.8
104	-14.0	-8.7	5.2	-14.7	3.3
105	-13.4	-8.2	5.6	-14.5	3.5
106	-13.6	-8.7	5.7	-15.1	3.7
107	-26.9	-21.7	-0.5	-49.9	-3.1
108	-23.5	-18.0	0.9	-45.3	-1.3
109	-27.6	-22.3	-0.7	-51.2	-3.3
110	-25.1	-20.8	-0.7	-46.7	-3.4
111	-23.8	-18.6	0.7	-46.6	-1.6
112	-27.7	-22.5	-0.7	-51.9	-3.5
113	-24.7	-20.3	-0.3	-46.4	-3.0
114	-23.5	-18.5	1.5	-46.6	-1.2
115	-27.2	-22.1	-0.2	-51.3	-3.1
116	-24.7	-20.5	-0.2	-46.7	-3.1
117	-23.2	-18.4	1.7	-46.5	-1.0
118	-19.7	-18.3	3.8	-31.5	3.2
119	-14.6	-13.5	2.6	-27.0	3.4
120	-19.0	-18.1	4.6	-30.1	3.8
121	-16.9	-14.8	1.9	-29.1	2.7
122	-18.4	-17.7	4.0	-31.9	3.5
123	-15.0	-13.7	3.0	-27.4	4.0
124	-19.2	-18.6	4.3	-33.2	3.5
125	-15.6	-14.3	2.8	-27.1	3.5
126	-15.9	-14.2	2.5	-27.7	3.2
127	-19.6	-18.2	4.6	-33.0	4.1
128	-35.1	-19.8	-3.8	-37.7	-2.4
129	-33.9	-18.5	-4.3	-35.5	-2.9

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Table 29 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
130	-33.1	-18.6	-2.2	-36.3	-1.1
131	-32.7	-18.9	-3.3	-35.4	-2.2
132	-33.0	-18.0	-3.5	-35.0	-2.0
133	-34.8	-20.2	-3.7	-38.3	-2.4
134	-32.4	-18.6	-3.0	-35.1	-1.9
135	-32.5	-17.9	-3.4	-34.9	-1.9
136	-34.2	-19.6	-3.2	-37.7	-1.8
137	-32.0	-18.3	-2.7	-35.0	-1.6
138	-32.4	-17.9	-3.2	-34.9	-1.7
139	-22.9	-18.6	0.5	-44.2	-1.0
140	-23.2	-18.7	1.0	-45.3	-0.7
141	-21.2	-17.5	0.3	-41.5	-1.4
142	-39.6	-28.8	2.2	-40.8	-3.8
143	-38.6	-28.4	0.8	-38.2	-5.5
144	-37.7	-28.4	0.2	-38.0	-5.7
145	-37.1	-25.5	3.5	-37.2	-1.8
146	-36.0	-25.1	2.3	-34.9	-3.4
147	-36.4	-25.5	1.7	-35.4	-3.7
148	-11.7	-4.3	5.9	-62.1	-12.3
149	-20.1	-15.3	-3.9	-86.8	-23.7
150	-29.9	-21.7	4.9	-33.6	1.6
151	-22.2	-22.7	1.5	-31.8	1.3
152	-10.7	-5.2	3.8	-26.5	4.5
153	-7.2	-8.3	3.3	-26.5	3.6
154	-22.3	-15.1	0.4	-38.0	-2.2
155	-18.3	-14.6	0.5	-32.5	0.6
156	-17.9	-15.4	-2.6	-38.7	-3.6
157	-18.5	-17.0	-0.3	-34.9	-0.2
158	-12.1	-4.8	6.0	-62.5	-12.3
159	-12.0	-4.8	5.9	-62.5	-12.4
160	-29.9	-21.8	5.2	-33.7	1.8
161	-22.1	-22.8	1.6	-29.3	1.1
162	-12.2	-6.0	5.0	-25.0	4.5

Continued on next page

Table 29 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
163	-12.1	-10.0	0.9	-32.4	2.2
164	-23.3	-16.3	0.9	-35.8	-1.9
165	-14.6	-9.1	3.5	-27.3	2.2
166	-23.6	-20.0	-2.2	-45.7	-3.8
167	-19.2	-15.3	1.7	-34.7	1.5
168	-12.2	-4.8	6.2	-62.7	-12.2
169	-12.1	-4.8	6.2	-63.0	-12.1
170	-30.3	-21.8	4.1	-33.3	0.7
171	-28.9	-24.2	5.2	-36.4	2.0
172	-10.4	-3.2	4.8	-27.8	5.5
173	-14.6	-11.2	2.4	-35.6	3.1
174	-15.4	-9.8	3.3	-27.7	2.1
175	-25.7	-21.0	0.3	-48.1	-2.2
176	-21.1	-16.0	1.8	-38.6	1.3
177	-11.7	-4.3	6.7	-61.9	-11.6
178	-16.4	-12.4	1.1	-85.8	-19.4
179	-30.1	-21.6	4.3	-33.2	0.9
180	-30.8	-22.8	4.4	-34.8	1.0
181	-12.5	-6.6	4.8	-32.8	5.8
182	-13.0	-7.3	4.4	-33.5	5.6
183	-22.5	-15.7	1.6	-35.1	-1.2
184	-14.9	-9.4	3.7	-27.1	2.5
185	-23.9	-18.7	0.9	-45.7	-1.6
186	-19.3	-13.4	3.0	-35.2	2.0
187	-16.4	-8.3	5.5	-78.2	-15.4
188	-33.1	-26.4	5.6	-40.0	2.0
189	-14.8	-7.4	5.4	-35.5	5.6
190	-26.9	-20.5	1.7	-49.3	-1.5
191	-21.0	-14.7	4.3	-37.9	2.4
192	-16.5	-8.2	6.7	-80.9	-14.8
193	-33.8	-27.4	5.6	-41.5	1.9
194	-15.3	-7.7	5.7	-37.1	6.2
195	-29.0	-21.3	0.7	-52.5	-2.4

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Table 29 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
196	-22.9	-15.1	3.5	-40.8	2.0
197	-17.5	-10.2	5.3	-84.9	-15.8
198	-36.0	-32.3	1.2	-43.9	-1.7
199	-17.2	-13.6	2.7	-39.9	3.2
200	-28.2	-23.9	-1.5	-53.4	-4.1
201	-26.2	-21.7	0.7	-43.4	0.1
202	-14.8	-7.1	5.7	-68.8	-15.0
203	-35.2	-27.0	4.4	-39.6	0.3
204	-14.7	-7.2	5.4	-30.0	4.5
205	-26.7	-18.8	0.4	-44.5	-3.1
206	-20.5	-12.5	4.1	-34.0	2.1
207	-16.5	-8.5	5.2	-79.1	-14.9
208	-33.7	-29.6	0.1	-38.5	-2.8
209	-16.9	-11.3	1.2	-36.4	2.1
210	-27.3	-21.9	-2.8	-48.6	-5.1
211	-19.8	-16.1	-0.3	-34.3	-1.6
212	-14.5	-7.1	5.1	-68.1	-15.1
213	-33.0	-24.9	4.6	-37.0	0.8
214	-14.6	-5.9	4.7	-32.5	5.0
215	-26.2	-18.3	0.0	-43.6	-2.6
216	-21.6	-13.7	1.2	-35.4	0.3
217	-15.2	-6.9	6.1	-74.2	-14.7
218	-36.2	-28.2	3.8	-41.3	-0.4
219	-16.7	-8.5	3.2	-36.3	3.4
220	-27.4	-19.5	0.2	-45.0	-3.0
221	-25.2	-16.9	1.9	-38.6	0.7
222	-18.4	-11.9	3.6	-82.9	-17.8
223	-35.7	-28.0	4.1	-41.1	0.0
224	-17.2	-13.0	3.2	-38.0	3.5
225	-25.7	-18.3	0.6	-41.8	-2.9
226	-22.9	-15.4	3.3	-39.5	1.0
227	-14.9	-7.0	4.8	-73.1	-15.2
228	-27.9	-21.0	4.5	-30.9	1.6

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Table 29 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
229	-15.1	-7.8	3.9	-30.5	3.1
230	-22.2	-15.9	1.2	-33.2	-2.3
231	-18.6	-8.7	1.5	-29.1	0.7
232	-14.5	-6.9	5.4	-73.6	-14.8
233	-33.7	-26.0	4.1	-38.6	0.8
234	-15.5	-7.4	3.2	-35.2	3.6
235	-27.5	-21.1	0.0	-44.4	-2.8
236	-19.0	-11.9	1.1	-31.7	0.2
MAXD	-46.4	-33.0	8.3	-86.8	-23.7
MD	-21.8	-15.5	2.4	-40.3	-1.9
MAD	21.8	15.5	3.7	40.3	5.2

Table 30: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the M06 functional. All values are without a counter poise correction. MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
1	-35.6	-29.4	-3.2	-32.6	-4.8
2	-42.4	-34.7	-5.4	-38.1	-7.5
3	-36.9	-30.5	-3.3	-33.6	-5.0
4	-44.1	-36.4	-5.9	-39.7	-8.2
5	-40.0	-33.2	-4.0	-36.5	-6.0
6	-45.7	-37.9	-6.8	-41.4	-9.2
7	-39.7	-33.2	-3.9	-36.5	-5.9
8	-23.8	-21.3	-8.7	-90.8	-27.5
9	-25.3	-23.0	-9.5	-93.2	-29.1
10	-25.3	-18.7	-4.2	-84.2	-24.0
11	-25.0	-19.4	-4.1	-85.3	-24.3
12	-23.1	-20.8	-7.8	-90.3	-26.9
13	-23.6	-21.4	-7.6	-91.5	-27.4
14	-24.8	-18.2	-3.7	-83.7	-23.6
15	-25.9	-20.5	-4.5	-88.2	-25.3
16	-22.7	-20.6	-6.8	-91.6	-26.6

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Table 30 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
17	-23.7	-21.6	-7.4	-91.7	-27.4
18	-24.2	-17.7	-2.9	-83.2	-23.1
19	-25.8	-20.6	-4.5	-88.6	-25.4
20	-22.5	-20.5	-6.5	-91.8	-26.3
21	-13.9	-13.9	1.1	-17.4	0.2
22	-18.6	-16.5	-0.1	-18.7	-2.1
23	-16.2	-16.5	-0.2	-19.1	-1.9
24	-14.8	-14.8	0.9	-18.1	-0.7
25	-17.3	-17.1	-0.9	-20.9	-2.4
26	-13.7	-13.6	1.8	-16.9	0.3
27	-13.8	-14.2	1.3	-17.6	-0.1
28	-12.7	-13.0	1.9	-15.9	0.8
29	-15.9	-16.2	0.3	-18.7	-1.6
30	-16.1	-15.9	0.8	-19.1	-1.1
31	-18.9	-17.4	0.1	-19.3	-2.5
32	-18.3	-18.3	-1.0	-21.4	-2.8
33	-11.4	-12.1	3.2	-15.0	1.8
34	-12.2	-12.7	2.3	-15.6	1.1
35	-14.6	-15.0	1.9	-17.5	-0.1
36	-16.8	-16.9	0.7	-19.9	-1.4
37	-10.0	-10.8	4.7	-13.6	3.2
38	-22.3	-22.6	0.3	-43.9	-4.4
39	-24.8	-23.5	-1.0	-48.9	-6.7
40	-22.4	-22.7	0.8	-44.5	-4.3
41	-26.9	-25.6	-1.6	-51.8	-7.8
42	-22.1	-22.5	1.2	-44.5	-4.0
43	-26.0	-24.8	-0.5	-51.2	-6.9
44	-22.6	-23.0	1.0	-45.0	-4.1
45	-23.2	-24.1	-0.3	-36.8	-0.1
46	-19.9	-22.4	0.8	-30.0	-1.9
47	-17.7	-18.9	-0.6	-28.7	1.1
48	-30.0	-30.8	-4.1	-43.6	-4.2
49	-26.5	-26.8	-0.7	-35.0	-2.8

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Table 30 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
50	-21.0	-21.5	-1.7	-32.8	-0.7
51	-23.5	-24.2	-0.2	-35.9	0.4
52	-30.6	-30.9	-3.4	-44.0	-3.5
53	-27.5	-27.6	-0.1	-36.0	-2.4
54	-21.1	-21.2	-0.9	-32.5	0.0
55	-21.4	-21.8	1.3	-33.0	2.2
56	-27.7	-19.6	-1.7	-33.5	-1.8
57	-35.7	-26.2	-5.2	-41.2	-5.2
58	-28.7	-20.5	-2.2	-34.4	-2.3
59	-29.8	-23.0	-3.6	-37.8	-3.8
60	-28.6	-20.7	-2.1	-34.6	-2.2
61	-38.6	-28.7	-6.0	-43.8	-6.4
62	-27.7	-19.9	-1.4	-33.8	-1.3
63	-20.4	-19.7	1.4	-42.9	-2.8
64	-50.9	-41.0	-7.5	-42.4	-10.7
65	-48.4	-39.0	-8.2	-39.1	-11.6
66	-50.9	-41.6	-7.6	-42.6	-11.3
67	-46.4	-38.8	-7.0	-38.9	-10.6
68	-48.2	-39.2	-7.8	-39.2	-11.4
69	-51.4	-42.6	-8.2	-43.6	-11.9
70	-47.0	-39.3	-7.3	-39.4	-10.8
71	-47.8	-39.3	-7.8	-39.2	-11.4
72	-51.2	-42.5	-7.9	-43.3	-11.8
73	-46.6	-39.0	-6.8	-39.3	-10.3
74	-48.0	-39.6	-7.8	-39.5	-11.5
75	-27.4	-21.7	-5.2	-90.1	-26.2
76	-25.8	-21.3	-4.6	-87.8	-25.6
77	-26.0	-22.0	-5.9	-86.6	-26.4
78	-25.9	-20.6	-3.8	-88.1	-24.8
79	-25.9	-21.8	-4.7	-87.8	-26.0
80	-24.7	-20.8	-4.7	-85.0	-25.2
81	-25.8	-20.7	-3.8	-87.9	-24.9
82	-25.1	-21.1	-4.0	-87.0	-25.2

Continued on next page

Table 30 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
83	-24.6	-20.6	-4.1	-85.5	-24.8
84	-25.0	-20.0	-2.9	-87.0	-24.0
85	-23.8	-21.4	-3.6	-25.7	-6.8
86	-22.9	-20.3	-3.8	-24.1	-7.2
87	-16.1	-16.0	1.7	-17.9	-1.8
88	-22.6	-19.7	-3.3	-23.0	-6.8
89	-22.4	-20.4	-2.7	-24.3	-5.9
90	-23.4	-21.3	-4.6	-23.5	-7.9
91	-22.4	-20.3	-2.7	-24.3	-5.9
92	-23.2	-21.2	-4.5	-23.3	-7.8
93	-21.8	-19.3	-2.6	-22.9	-6.2
94	-21.9	-19.4	-2.8	-23.1	-6.3
95	-22.7	-22.2	-4.5	-24.3	-7.6
96	-22.4	-20.3	-3.6	-22.4	-6.9
97	-22.9	-22.3	-4.6	-24.5	-7.6
98	-13.5	-14.0	3.4	-15.6	-0.1
99	-20.4	-18.8	-2.7	-21.5	-5.8
100	-20.7	-18.4	-1.5	-22.0	-5.2
101	-15.4	-14.2	0.3	-16.6	-3.0
102	-22.3	-20.2	-3.3	-22.5	-6.7
103	-22.8	-22.0	-4.3	-24.0	-7.6
104	-22.4	-20.2	-3.3	-22.6	-6.7
105	-19.5	-16.6	-0.2	-19.9	-4.0
106	-20.7	-18.3	-1.5	-22.0	-5.2
107	-32.4	-30.1	-4.8	-53.4	-12.1
108	-30.1	-28.2	-5.0	-50.3	-11.9
109	-32.6	-30.1	-4.3	-53.9	-11.8
110	-30.1	-28.4	-4.4	-49.5	-11.3
111	-30.1	-28.3	-4.6	-50.9	-11.8
112	-32.8	-30.3	-4.3	-54.3	-12.0
113	-29.4	-27.6	-3.6	-48.7	-10.5
114	-29.6	-28.2	-3.9	-50.5	-11.4
115	-32.4	-30.1	-4.0	-53.9	-11.8

Continued on next page

Table 30 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
116	-29.3	-27.7	-3.5	-49.0	-10.5
117	-29.5	-28.1	-3.7	-50.4	-11.3
118	-24.4	-25.4	-2.4	-34.7	-5.2
119	-18.3	-19.2	-1.2	-29.0	-2.2
120	-25.9	-28.1	-4.3	-35.6	-7.2
121	-21.0	-20.9	-2.1	-32.1	-3.4
122	-22.7	-24.3	-1.2	-34.1	-4.3
123	-17.7	-18.7	-0.1	-28.0	-1.1
124	-24.6	-26.3	-2.4	-36.3	-5.0
125	-20.9	-21.8	-2.6	-30.7	-3.8
126	-19.7	-20.1	-1.3	-29.6	-2.6
127	-23.2	-24.3	-0.2	-34.4	-3.0
128	-38.8	-27.3	-6.5	-41.0	-7.9
129	-37.8	-26.1	-7.3	-38.7	-8.8
130	-36.8	-26.4	-5.3	-39.3	-6.9
131	-36.5	-27.0	-6.6	-38.6	-8.1
132	-37.1	-25.9	-6.7	-38.3	-8.1
133	-39.0	-28.5	-7.0	-41.6	-8.7
134	-35.8	-26.4	-6.2	-37.9	-7.7
135	-36.9	-26.3	-6.7	-38.6	-8.2
136	-38.9	-28.2	-6.5	-41.4	-8.0
137	-35.4	-26.0	-5.7	-37.7	-7.2
138	-36.8	-26.2	-6.6	-38.5	-8.1
139	-27.6	-25.6	-3.3	-46.7	-8.8
140	-27.5	-25.3	-2.3	-46.8	-8.0
141	-25.1	-23.5	-2.6	-42.9	-7.7
142	-39.6	-33.5	2.1	-41.1	-8.6
143	-38.4	-32.9	0.9	-38.1	-9.4
144	-37.8	-32.7	0.7	-38.1	-9.0
145	-38.8	-32.6	1.5	-39.7	-9.0
146	-37.8	-32.2	0.2	-37.1	-10.0
147	-38.5	-32.2	0.3	-37.7	-9.4
148	-14.1	-9.2	1.9	-64.8	-15.6

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Table 30 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
149	-29.3	-25.5	-12.6	-98.5	-30.9
150	-31.7	-27.1	5.5	-34.5	-2.4
151	-26.3	-29.6	0.6	-35.4	-3.9
152	-17.0	-13.7	-0.8	-32.0	-3.7
153	-12.4	-14.7	-1.1	-31.5	-1.8
154	-23.4	-17.9	1.3	-37.9	-4.4
155	-22.4	-20.5	-1.7	-35.6	-4.7
156	-19.9	-18.0	-1.6	-39.5	-5.7
157	-20.7	-19.9	-0.7	-35.8	-2.3
158	-14.4	-9.7	1.9	-65.1	-15.7
159	-14.4	-9.8	1.8	-65.3	-15.9
160	-31.6	-27.2	5.7	-34.6	-2.3
161	-23.9	-27.6	3.0	-31.3	-1.4
162	-14.3	-10.5	3.0	-26.7	-0.4
163	-14.4	-13.5	0.7	-33.1	-1.0
164	-21.9	-17.0	2.9	-33.8	-2.7
165	-16.8	-13.5	2.4	-28.5	-1.8
166	-25.6	-22.8	-1.6	-46.5	-6.1
167	-23.5	-21.4	-1.2	-38.2	-4.5
168	-14.5	-9.7	2.2	-65.3	-15.5
169	-14.5	-9.8	2.1	-65.8	-15.6
170	-31.7	-27.0	5.1	-33.8	-3.0
171	-33.8	-32.6	3.1	-40.3	-4.6
172	-15.3	-10.4	2.1	-31.5	-1.2
173	-21.0	-19.7	-2.6	-40.2	-4.7
174	-17.6	-14.4	2.1	-29.1	-2.4
175	-29.1	-25.5	-1.0	-49.3	-6.3
176	-25.8	-22.5	-0.7	-41.5	-4.7
177	-13.9	-9.1	2.7	-64.4	-15.0
178	-28.3	-25.2	-10.7	-99.1	-30.2
179	-31.4	-26.7	5.4	-33.5	-2.7
180	-32.7	-28.3	4.8	-35.7	-3.3
181	-18.5	-15.0	0.4	-37.0	-2.1

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Table 30 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
182	-19.1	-15.9	-0.2	-38.1	-2.4
183	-20.9	-16.0	3.8	-32.8	-1.7
184	-17.0	-13.8	2.6	-28.3	-1.9
185	-26.7	-23.1	0.1	-46.6	-5.5
186	-23.2	-19.8	1.0	-37.7	-3.8
187	-20.7	-17.1	-2.7	-83.4	-24.4
188	-38.2	-37.1	1.5	-44.9	-8.4
189	-22.0	-18.4	-1.3	-41.6	-6.4
190	-30.1	-27.2	-1.4	-51.4	-9.5
191	-25.5	-23.5	-0.3	-41.9	-7.5
192	-22.7	-19.1	-3.8	-87.7	-26.1
193	-39.6	-38.7	0.8	-46.5	-9.4
194	-23.5	-19.9	-2.1	-44.0	-7.1
195	-32.8	-28.5	-2.5	-54.8	-10.9
196	-28.2	-24.7	-1.3	-45.0	-8.6
197	-25.1	-21.0	-3.8	-91.4	-25.5
198	-41.1	-41.5	-1.9	-47.9	-10.5
199	-23.5	-22.6	-2.8	-43.8	-6.5
200	-32.9	-30.6	-4.7	-55.5	-12.0
201	-31.8	-30.0	-4.2	-47.2	-8.6
202	-18.9	-15.9	-3.2	-73.6	-24.2
203	-39.0	-36.3	1.6	-42.8	-9.0
204	-18.7	-15.4	0.7	-33.4	-5.1
205	-27.6	-23.2	-0.4	-44.5	-8.8
206	-23.4	-20.1	1.0	-36.3	-6.3
207	-26.3	-21.1	-5.7	-87.6	-26.4
208	-38.7	-38.0	-2.1	-42.7	-10.2
209	-24.9	-22.3	-5.6	-42.1	-8.8
210	-32.2	-29.1	-5.8	-51.0	-12.5
211	-23.1	-21.1	-1.6	-36.2	-6.7
212	-17.3	-14.3	-1.9	-71.7	-21.8
213	-35.2	-32.5	3.8	-39.3	-5.9
214	-21.1	-15.7	-0.4	-38.5	-5.2

Continued on next page

Table 30 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
215	-27.9	-22.3	-0.1	-45.2	-7.2
216	-23.8	-19.4	0.1	-37.2	-5.6
217	-19.3	-15.3	-1.9	-78.3	-22.7
218	-39.4	-36.7	2.1	-44.1	-8.2
219	-22.2	-17.2	-1.0	-40.6	-6.1
220	-28.8	-24.2	-1.2	-45.0	-8.7
221	-29.3	-24.7	-1.5	-42.1	-7.1
222	-26.4	-22.5	-5.7	-89.6	-26.9
223	-38.5	-36.2	2.7	-43.4	-7.5
224	-24.9	-23.9	-4.3	-43.0	-7.4
225	-25.1	-20.8	1.4	-40.9	-6.6
226	-26.2	-22.7	0.1	-41.6	-7.5
227	-18.0	-14.0	-1.8	-76.6	-21.0
228	-32.2	-29.0	3.3	-35.4	-4.4
229	-19.6	-15.7	-0.3	-34.7	-4.7
230	-21.7	-18.1	1.3	-32.8	-4.4
231	-20.4	-13.1	2.6	-30.8	-3.2
232	-18.3	-14.3	-1.5	-77.4	-20.8
233	-38.1	-35.0	1.8	-42.4	-6.8
234	-21.5	-16.3	-1.2	-39.8	-5.1
235	-31.2	-26.5	-2.4	-47.3	-9.0
236	-21.9	-17.5	-0.1	-33.3	-4.7
MAXD	-51.4	-42.6	-12.6	-99.1	-30.9
MD	-26.6	-23.2	-2.0	-44.2	-8.9
MAD	26.6	23.2	3.1	44.2	9.0

Table 31: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the M06-2X functional. All values are without a counter poise correction. MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
1	-42.9	-35.9	-14.2	-39.9	-12.1
2	-48.3	-39.8	-15.5	-44.3	-13.4

Continued on next page

Table 31 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
3	-43.3	-36.0	-13.3	-40.3	-11.4
4	-49.4	-40.9	-15.4	-45.5	-13.5
5	-46.5	-38.9	-14.5	-43.4	-12.5
6	-50.5	-41.8	-15.9	-46.7	-14.0
7	-46.5	-39.0	-14.4	-43.6	-12.4
8	-16.2	-12.2	-1.2	-79.3	-20.2
9	-17.1	-13.0	-0.9	-81.9	-20.3
10	-20.7	-12.2	0.4	-77.5	-18.4
11	-20.1	-12.7	0.6	-78.2	-18.6
12	-16.0	-12.1	-0.6	-79.6	-19.8
13	-15.5	-11.5	0.8	-80.7	-18.7
14	-20.4	-11.9	0.7	-77.3	-18.1
15	-21.0	-13.8	0.2	-81.6	-19.6
16	-16.0	-12.5	-0.1	-81.3	-20.0
17	-15.5	-11.6	1.1	-80.8	-18.6
18	-20.1	-11.7	1.1	-77.3	-17.9
19	-21.4	-14.3	-0.1	-82.6	-20.0
20	-16.0	-12.6	0.0	-81.7	-19.9
21	-18.1	-16.6	-3.5	-20.6	-3.4
22	-16.4	-11.1	1.9	-16.1	1.9
23	-18.7	-17.0	-2.8	-20.7	-3.1
24	-18.9	-16.8	-3.3	-21.1	-3.5
25	-19.1	-17.1	-3.0	-21.9	-3.4
26	-17.7	-15.6	-2.6	-20.0	-2.9
27	-17.6	-16.2	-2.7	-20.5	-3.0
28	-17.7	-16.4	-3.2	-20.0	-3.4
29	-18.6	-16.8	-2.5	-20.5	-3.0
30	-20.8	-18.6	-3.9	-22.7	-4.3
31	-19.3	-15.1	-0.3	-19.7	-1.1
32	-20.7	-18.6	-3.4	-23.3	-3.8
33	-17.6	-16.4	-3.3	-20.4	-3.5
34	-17.4	-16.2	-2.9	-19.8	-3.2
35	-17.4	-15.6	-1.1	-19.5	-1.6

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Table 31 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
36	-19.4	-17.3	-1.8	-22.0	-2.4
37	-16.7	-15.6	-2.3	-19.4	-2.6
38	-30.4	-30.2	-9.1	-52.2	-11.3
39	-32.3	-30.2	-9.8	-56.7	-11.9
40	-30.6	-30.0	-8.5	-53.1	-10.8
41	-33.9	-31.7	-9.9	-59.3	-12.2
42	-30.4	-29.9	-8.1	-53.3	-10.4
43	-33.8	-31.8	-9.6	-59.6	-11.9
44	-30.7	-30.1	-8.0	-53.6	-10.4
45	-30.8	-30.6	-7.2	-43.7	-4.8
46	-19.5	-19.2	3.7	-30.0	3.4
47	-22.4	-22.6	-4.7	-33.2	-2.5
48	-34.8	-34.2	-8.3	-48.0	-5.9
49	-26.7	-24.5	1.1	-36.0	1.4
50	-25.2	-24.3	-5.1	-37.2	-2.9
51	-30.5	-29.7	-6.0	-42.7	-3.5
52	-36.1	-35.1	-8.2	-49.1	-5.8
53	-27.6	-25.3	1.5	-37.3	2.0
54	-25.6	-24.3	-4.4	-37.5	-2.3
55	-29.2	-28.1	-5.2	-40.5	-2.6
56	-35.0	-26.6	-12.1	-40.2	-9.3
57	-41.4	-31.6	-14.5	-46.5	-11.5
58	-35.6	-27.2	-12.4	-40.9	-9.6
59	-35.9	-28.3	-11.9	-43.4	-9.4
60	-35.6	-27.3	-12.2	-41.0	-9.4
61	-43.3	-33.2	-14.7	-48.7	-11.6
62	-35.5	-27.1	-12.1	-41.0	-9.2
63	-30.0	-28.7	-8.8	-53.0	-9.7
64	-51.7	-39.4	-11.4	-44.2	-10.4
65	-48.2	-35.9	-10.5	-40.0	-9.5
66	-51.6	-39.7	-11.1	-44.6	-10.3
67	-45.9	-35.6	-9.3	-39.1	-8.8
68	-47.6	-35.5	-9.5	-39.7	-8.7

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Table 31 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
69	-52.1	-40.8	-11.7	-45.6	-11.1
70	-46.9	-36.4	-9.7	-40.2	-9.0
71	-47.2	-35.7	-9.5	-39.8	-8.8
72	-51.7	-40.3	-11.1	-45.2	-10.5
73	-46.3	-35.9	-9.3	-39.9	-8.6
74	-47.4	-35.8	-9.5	-40.0	-8.7
75	-22.0	-13.0	0.8	-83.5	-18.4
76	-21.3	-13.4	0.9	-82.8	-18.5
77	-20.8	-13.7	0.3	-80.4	-18.8
78	-21.1	-12.5	1.6	-82.5	-17.6
79	-21.3	-13.6	1.0	-82.8	-18.6
80	-19.8	-12.8	1.3	-79.1	-17.8
81	-21.2	-12.7	1.6	-82.5	-17.7
82	-20.6	-12.9	1.7	-82.1	-17.9
83	-19.7	-12.5	1.9	-79.8	-17.4
84	-20.4	-11.9	2.5	-81.7	-16.9
85	-20.8	-16.2	-0.2	-22.1	-1.9
86	-21.3	-17.1	-2.5	-21.7	-4.1
87	-18.9	-16.0	1.0	-20.3	-0.9
88	-21.1	-16.5	-2.1	-21.0	-3.9
89	-20.0	-15.7	0.3	-21.4	-1.5
90	-20.3	-16.2	-1.6	-20.1	-3.3
91	-20.0	-15.7	0.3	-21.4	-1.5
92	-20.1	-16.0	-1.4	-19.9	-3.1
93	-20.7	-16.7	-1.9	-21.3	-3.6
94	-20.7	-16.6	-1.8	-21.2	-3.5
95	-18.1	-14.9	0.8	-19.5	-0.9
96	-19.3	-15.1	-0.5	-19.1	-2.3
97	-18.4	-15.2	0.7	-19.8	-1.1
98	-17.2	-15.0	1.7	-18.7	-0.6
99	-17.9	-14.4	-0.1	-18.7	-1.7
100	-19.6	-15.7	-0.7	-20.4	-2.5
101	-15.6	-12.9	0.0	-16.5	-1.9

Continued on next page

Table 31 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
102	-19.2	-15.0	-0.2	-19.2	-2.0
103	-18.5	-15.2	0.6	-19.6	-1.2
104	-19.1	-14.9	-0.1	-19.2	-2.0
105	-18.8	-14.4	0.1	-19.2	-2.0
106	-19.7	-15.7	-0.6	-20.4	-2.5
107	-32.6	-28.1	-6.3	-54.2	-9.5
108	-27.4	-22.4	-3.1	-48.1	-5.9
109	-33.3	-28.8	-6.5	-55.4	-9.9
110	-30.0	-26.7	-5.8	-49.9	-9.2
111	-27.9	-23.2	-3.3	-49.5	-6.4
112	-33.6	-29.1	-6.6	-56.1	-10.2
113	-29.6	-26.1	-5.3	-49.6	-8.7
114	-27.7	-23.2	-2.6	-49.5	-6.1
115	-33.1	-28.6	-6.1	-55.6	-9.7
116	-29.6	-26.2	-5.3	-49.9	-8.8
117	-27.4	-23.0	-2.3	-49.2	-5.8
118	-25.8	-24.5	-1.8	-36.3	-2.2
119	-20.1	-19.8	-2.5	-31.5	-1.9
120	-24.1	-23.2	-0.1	-34.0	-0.7
121	-22.7	-21.5	-3.6	-34.1	-3.0
122	-25.1	-24.6	-2.1	-37.1	-2.5
123	-20.0	-19.6	-1.5	-31.4	-0.9
124	-24.4	-24.2	-0.7	-36.9	-1.5
125	-21.4	-21.0	-2.5	-31.6	-2.2
126	-21.4	-20.6	-2.6	-32.1	-2.1
127	-25.9	-24.9	-1.3	-37.9	-1.6
128	-40.0	-26.8	-10.2	-42.8	-8.5
129	-38.1	-24.5	-9.6	-40.1	-8.0
130	-37.5	-25.3	-8.2	-40.8	-6.8
131	-36.3	-24.8	-8.4	-39.1	-7.2
132	-37.2	-24.0	-8.8	-39.6	-7.1
133	-40.0	-27.6	-10.2	-43.6	-8.7
134	-35.8	-24.2	-7.9	-38.5	-6.7

Continued on next page

Table 31 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
135	-36.9	-24.1	-8.8	-39.6	-7.2
136	-39.3	-26.8	-9.5	-42.8	-8.0
137	-35.4	-24.0	-7.7	-38.4	-6.5
138	-36.9	-24.1	-8.6	-39.6	-7.0
139	-28.7	-24.7	-5.0	-48.5	-7.1
140	-29.1	-25.1	-4.6	-49.6	-7.0
141	-26.1	-23.1	-4.5	-44.8	-6.8
142	-43.9	-33.7	-1.8	-44.4	-7.4
143	-42.5	-33.2	-2.9	-41.2	-8.6
144	-41.8	-33.8	-3.9	-41.4	-9.3
145	-41.8	-30.9	-0.7	-41.2	-5.6
146	-40.5	-30.5	-1.7	-38.3	-6.9
147	-41.2	-31.4	-2.7	-39.4	-7.6
148	-14.2	-7.2	2.7	-62.5	-14.2
149	-20.4	-15.6	-4.5	-84.5	-23.5
150	-34.5	-27.3	0.5	-37.4	-2.8
151	-30.0	-31.7	-5.8	-38.9	-6.8
152	-15.1	-10.2	-0.1	-30.0	-0.1
153	-12.8	-14.1	-1.9	-30.5	-1.7
154	-25.4	-18.5	-2.6	-40.1	-5.3
155	-23.4	-20.7	-4.7	-36.4	-4.8
156	-23.8	-21.5	-7.9	-43.4	-9.3
157	-24.4	-23.5	-5.9	-40.2	-5.5
158	-14.5	-7.5	2.9	-62.8	-14.1
159	-14.5	-7.5	2.9	-62.8	-14.2
160	-34.4	-27.3	0.9	-37.4	-2.6
161	-30.6	-32.4	-6.0	-37.3	-7.3
162	-16.4	-10.5	1.0	-28.5	0.5
163	-19.9	-17.9	-5.9	-39.0	-4.8
164	-26.1	-19.5	-2.0	-37.9	-4.7
165	-18.7	-13.5	-0.2	-30.4	-1.0
166	-29.1	-25.8	-7.3	-50.0	-9.3
167	-24.2	-20.8	-3.0	-38.7	-3.2

Continued on next page

Table 31 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
168	-14.7	-7.5	3.1	-63.1	-14.0
169	-14.6	-7.5	3.2	-63.4	-14.0
170	-34.8	-27.2	0.0	-37.0	-3.4
171	-34.4	-30.5	0.3	-41.0	-3.2
172	-16.0	-8.9	0.1	-32.0	0.4
173	-21.2	-18.5	-3.8	-40.4	-3.6
174	-19.5	-14.2	-0.3	-30.9	-1.1
175	-30.5	-26.1	-4.3	-51.5	-7.2
176	-27.3	-22.8	-3.9	-43.6	-4.5
177	-14.2	-7.0	3.6	-62.2	-13.4
178	-18.6	-14.5	-1.4	-85.3	-21.1
179	-34.7	-27.1	0.2	-36.8	-3.2
180	-35.4	-28.2	0.2	-38.5	-3.4
181	-18.8	-13.2	-0.8	-37.5	-0.1
182	-19.5	-14.2	-1.4	-38.6	-0.6
183	-25.5	-19.0	-1.4	-37.3	-4.0
184	-19.1	-13.8	0.1	-30.4	-0.8
185	-28.3	-23.5	-3.3	-48.9	-6.1
186	-24.4	-19.0	-1.6	-39.1	-2.6
187	-20.6	-12.4	1.0	-79.8	-19.0
188	-41.1	-35.1	-1.4	-46.8	-5.5
189	-23.0	-15.9	-1.8	-42.0	-2.1
190	-33.5	-27.4	-4.6	-54.4	-8.3
191	-28.2	-22.2	-2.2	-43.7	-4.2
192	-21.6	-13.0	1.3	-83.2	-19.2
193	-41.5	-35.8	-1.1	-47.9	-5.3
194	-23.8	-16.5	-1.8	-43.7	-1.8
195	-35.7	-28.2	-5.6	-57.6	-9.1
196	-30.1	-22.8	-3.1	-46.4	-4.7
197	-22.9	-15.5	-0.6	-88.3	-20.9
198	-44.6	-42.0	-6.7	-51.7	-10.5
199	-26.1	-23.2	-5.8	-47.2	-5.7
200	-36.4	-32.6	-9.5	-60.1	-12.8

Continued on next page

Table 31 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
201	-34.7	-31.3	-7.9	-50.5	-8.4
202	-19.2	-11.3	1.0	-70.2	-18.6
203	-41.9	-34.6	-1.5	-45.1	-6.1
204	-21.2	-13.9	-0.2	-35.2	-1.5
205	-31.7	-24.2	-4.3	-48.2	-8.2
206	-25.8	-18.3	-0.7	-38.1	-2.8
207	-21.7	-13.8	-0.6	-82.1	-20.0
208	-41.4	-38.5	-7.0	-45.3	-10.7
209	-24.3	-19.6	-5.9	-42.3	-5.7
210	-33.2	-28.6	-8.6	-52.9	-11.6
211	-27.2	-24.1	-7.2	-40.4	-8.7
212	-18.0	-10.7	0.9	-68.8	-18.0
213	-38.7	-31.5	-0.3	-41.9	-4.5
214	-21.4	-12.8	-1.1	-37.9	-1.3
215	-29.9	-21.9	-3.1	-46.3	-6.2
216	-26.8	-19.3	-3.3	-39.5	-4.1
217	-19.2	-11.0	1.4	-75.3	-18.2
218	-42.5	-35.4	-1.6	-46.6	-6.2
219	-25.0	-16.9	-3.9	-43.0	-4.1
220	-32.6	-24.9	-4.6	-48.9	-7.9
221	-31.1	-23.3	-3.5	-43.4	-4.5
222	-24.5	-18.0	-3.2	-87.0	-23.8
223	-41.7	-34.8	-1.0	-46.2	-5.5
224	-25.4	-22.0	-4.7	-44.6	-4.8
225	-30.1	-22.5	-3.1	-45.1	-6.9
226	-29.5	-22.4	-2.6	-44.6	-5.0
227	-18.3	-10.8	0.3	-73.8	-18.3
228	-32.5	-26.3	0.6	-35.0	-2.7
229	-20.7	-14.0	-1.3	-35.0	-2.3
230	-25.1	-19.4	-1.9	-35.5	-5.4
231	-22.4	-12.8	-1.4	-31.9	-2.3
232	-18.1	-10.8	0.9	-74.5	-17.9
233	-40.3	-33.8	-2.0	-44.2	-5.6

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Table 31 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
234	-23.5	-15.8	-3.9	-41.5	-3.8
235	-32.2	-25.9	-4.4	-47.8	-7.6
236	-23.6	-17.0	-2.9	-34.9	-3.4
MAXD	-52.1	-42.0	-15.9	-88.3	-23.8
MD	-27.7	-22.1	-3.6	-45.0	-7.7
MAD	27.7	22.1	4.1	45.0	7.8

Table 32: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the M08-SO functional. All values are without a counter poise correction. MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
1	-42.5	-35.6	-10.2	-40.1	-9.6
2	-48.2	-40.1	-11.7	-45.0	-11.4
3	-43.0	-36.1	-9.6	-40.7	-9.2
4	-49.2	-41.0	-11.4	-46.1	-11.3
5	-46.2	-39.1	-10.6	-43.9	-10.3
6	-50.1	-42.0	-11.8	-47.1	-11.9
7	-46.4	-39.3	-10.6	-44.2	-10.4
8	-21.2	-16.6	-5.9	-91.4	-26.2
9	-23.1	-18.8	-6.9	-95.7	-27.7
10	-22.0	-13.3	0.7	-86.5	-20.6
11	-22.1	-14.9	-0.6	-87.6	-21.9
12	-21.3	-17.0	-5.7	-92.2	-26.2
13	-21.6	-17.7	-5.4	-94.6	-26.3
14	-21.6	-13.1	1.0	-86.5	-20.3
15	-23.7	-17.0	-1.8	-91.7	-23.9
16	-20.9	-17.4	-5.0	-93.7	-26.5
17	-21.7	-17.9	-5.3	-94.9	-26.4
18	-21.2	-12.7	1.6	-86.4	-20.0
19	-24.0	-17.6	-2.3	-92.8	-24.5
20	-21.0	-17.7	-5.1	-94.3	-26.6
21	-20.9	-20.4	-5.5	-24.6	-4.6

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Table 32 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
22	-21.2	-16.5	-0.7	-22.7	-0.3
23	-21.9	-21.5	-5.2	-25.3	-4.9
24	-22.0	-21.0	-5.5	-25.7	-5.0
25	-22.5	-21.8	-5.7	-26.8	-5.5
26	-20.7	-19.8	-4.9	-24.4	-4.5
27	-20.7	-20.4	-4.9	-24.8	-4.5
28	-20.0	-19.9	-4.9	-23.4	-4.3
29	-21.8	-21.5	-4.9	-25.3	-4.8
30	-23.7	-23.0	-6.1	-27.2	-5.9
31	-23.0	-20.2	-3.2	-25.0	-3.4
32	-23.8	-23.2	-5.9	-27.8	-5.7
33	-19.7	-20.0	-5.0	-23.7	-4.6
34	-19.6	-19.6	-4.5	-23.1	-4.1
35	-20.6	-20.3	-3.5	-24.2	-3.4
36	-22.5	-22.0	-4.3	-26.5	-4.3
37	-18.7	-19.1	-4.0	-22.6	-3.7
38	-32.9	-33.7	-9.9	-57.0	-12.1
39	-34.7	-34.4	-11.4	-62.1	-13.8
40	-33.2	-33.9	-9.4	-58.2	-11.8
41	-37.0	-36.7	-12.2	-65.4	-14.7
42	-33.0	-33.8	-9.1	-58.5	-11.6
43	-36.8	-36.7	-11.8	-65.7	-14.3
44	-33.3	-34.2	-9.1	-58.7	-11.7
45	-32.9	-33.2	-8.0	-47.6	-5.9
46	-19.5	-20.4	4.7	-33.3	4.1
47	-23.9	-24.1	-4.6	-36.0	-2.7
48	-36.8	-37.4	-9.5	-52.2	-7.7
49	-27.6	-27.0	1.0	-40.1	0.9
50	-27.2	-26.3	-5.4	-40.7	-3.4
51	-32.7	-32.4	-6.5	-46.4	-4.3
52	-38.7	-39.2	-10.1	-53.9	-8.2
53	-29.1	-28.5	1.0	-42.0	0.8
54	-27.9	-26.5	-4.7	-41.3	-2.7

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Table 32 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
55	-31.0	-30.3	-5.4	-43.7	-3.0
56	-34.6	-25.9	-8.6	-41.4	-6.5
57	-41.3	-31.7	-11.3	-48.2	-9.4
58	-35.3	-26.9	-9.0	-42.2	-7.0
59	-36.3	-28.4	-8.7	-45.5	-7.4
60	-35.2	-27.0	-8.8	-42.4	-6.9
61	-42.7	-32.8	-10.7	-50.0	-9.0
62	-35.1	-26.7	-8.6	-42.2	-6.6
63	-32.4	-32.7	-10.8	-57.9	-11.6
64	-53.6	-41.6	-9.3	-46.6	-9.4
65	-49.3	-37.5	-8.3	-41.6	-8.3
66	-53.0	-41.6	-8.6	-46.6	-9.1
67	-48.7	-38.5	-7.5	-42.6	-8.4
68	-48.9	-37.4	-7.4	-41.6	-7.6
69	-53.4	-42.6	-9.1	-47.6	-9.7
70	-49.4	-39.1	-7.7	-43.5	-8.6
71	-48.6	-37.6	-7.2	-41.9	-7.5
72	-52.7	-42.0	-8.4	-47.0	-9.1
73	-48.8	-38.6	-7.2	-43.2	-8.1
74	-48.8	-37.7	-7.1	-42.1	-7.5
75	-28.4	-20.4	-6.0	-97.6	-26.8
76	-27.4	-20.9	-5.5	-96.6	-26.8
77	-26.0	-20.1	-5.1	-93.0	-26.0
78	-27.5	-20.1	-5.1	-96.6	-26.1
79	-27.3	-21.1	-5.3	-96.6	-27.0
80	-24.9	-19.3	-4.2	-91.8	-25.1
81	-27.4	-20.2	-5.0	-96.5	-26.2
82	-26.5	-20.4	-4.6	-95.8	-26.2
83	-25.0	-19.1	-3.6	-92.8	-24.8
84	-26.5	-19.5	-4.1	-95.7	-25.4
85	-25.5	-22.1	-4.3	-28.8	-5.2
86	-25.3	-22.7	-6.4	-27.4	-7.1
87	-21.5	-20.7	-2.2	-24.7	-3.7

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Table 32 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
88	-25.2	-21.9	-5.8	-26.5	-6.7
89	-24.5	-21.6	-3.6	-28.0	-4.7
90	-25.2	-22.1	-5.3	-26.7	-6.4
91	-24.5	-21.6	-3.6	-28.0	-4.7
92	-25.0	-21.9	-5.1	-26.5	-6.3
93	-24.7	-22.3	-5.8	-27.0	-6.7
94	-24.7	-22.2	-5.7	-26.9	-6.6
95	-22.6	-20.8	-2.7	-25.9	-4.2
96	-24.1	-21.0	-4.2	-25.6	-5.4
97	-22.8	-21.0	-2.8	-26.1	-4.4
98	-19.5	-19.3	-1.0	-22.7	-3.0
99	-21.8	-19.8	-3.7	-24.4	-4.6
100	-23.6	-21.3	-4.4	-26.1	-5.5
101	-18.4	-17.4	-2.6	-20.8	-4.0
102	-24.0	-20.9	-3.8	-25.8	-5.1
103	-22.9	-21.1	-3.0	-25.9	-4.6
104	-23.9	-20.8	-3.8	-25.7	-5.0
105	-22.8	-19.8	-3.4	-24.6	-4.8
106	-23.5	-21.2	-4.3	-26.0	-5.5
107	-36.7	-33.8	-8.2	-62.2	-12.0
108	-31.9	-28.2	-5.0	-56.7	-8.5
109	-37.4	-34.8	-8.5	-63.5	-12.6
110	-34.0	-32.2	-7.5	-57.6	-11.9
111	-31.9	-28.9	-5.0	-57.7	-8.8
112	-37.5	-35.2	-8.5	-64.1	-12.8
113	-33.5	-31.7	-7.0	-57.4	-11.4
114	-31.5	-28.8	-4.1	-57.6	-8.4
115	-36.8	-34.6	-8.0	-63.5	-12.2
116	-33.4	-31.7	-6.9	-57.6	-11.3
117	-31.2	-28.6	-3.8	-57.4	-8.1
118	-27.0	-28.0	-3.5	-40.6	-4.2
119	-21.8	-22.2	-3.2	-35.3	-2.6
120	-25.5	-26.9	-1.9	-38.6	-2.9

Continued on next page

Table 32 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
121	-25.4	-24.9	-5.2	-38.8	-4.7
122	-26.1	-27.7	-3.4	-41.2	-4.3
123	-21.6	-21.9	-1.8	-35.1	-1.6
124	-25.9	-27.6	-2.0	-41.1	-3.3
125	-23.3	-23.8	-3.3	-35.5	-3.6
126	-23.7	-23.7	-3.8	-36.5	-3.7
127	-27.5	-28.5	-2.8	-42.5	-3.8
128	-41.8	-28.7	-8.9	-46.2	-7.5
129	-39.1	-25.7	-8.3	-42.6	-6.7
130	-39.7	-27.3	-6.7	-44.4	-5.8
131	-38.7	-27.1	-7.5	-42.9	-6.8
132	-38.1	-25.2	-7.2	-42.0	-5.8
133	-40.9	-28.7	-7.9	-46.1	-7.1
134	-38.1	-26.5	-6.9	-42.3	-6.3
135	-37.6	-25.1	-6.8	-42.0	-5.6
136	-40.3	-28.1	-7.4	-45.5	-6.5
137	-37.7	-26.3	-6.5	-42.2	-5.9
138	-37.4	-25.1	-6.6	-41.9	-5.4
139	-32.7	-30.1	-7.2	-56.0	-9.5
140	-32.8	-30.5	-6.7	-57.0	-9.5
141	-29.9	-28.2	-6.5	-52.1	-9.3
142	-40.7	-31.5	5.0	-44.0	-2.2
143	-38.3	-29.8	5.0	-39.6	-2.3
144	-38.4	-30.6	3.6	-39.9	-3.0
145	-38.6	-29.2	5.6	-41.3	-0.8
146	-36.2	-27.4	5.8	-37.2	-1.0
147	-37.9	-28.8	4.2	-38.5	-1.7
148	-11.6	-3.4	7.5	-65.9	-11.6
149	-23.5	-16.7	-5.3	-94.8	-26.3
150	-31.8	-24.9	7.4	-37.1	3.5
151	-31.6	-34.5	-4.8	-42.4	-5.2
152	-17.0	-12.9	0.0	-34.9	0.3
153	-15.2	-16.6	-2.0	-35.4	-1.7

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Table 32 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
154	-24.4	-17.3	2.3	-41.9	-1.5
155	-26.2	-24.1	-5.2	-41.6	-5.4
156	-26.4	-24.9	-9.0	-48.5	-10.6
157	-26.2	-26.0	-6.0	-44.1	-5.9
158	-12.0	-4.0	7.5	-66.4	-11.8
159	-12.0	-4.0	7.4	-66.4	-11.9
160	-31.7	-25.1	7.7	-37.3	3.6
161	-31.2	-34.9	-5.1	-39.8	-5.5
162	-14.7	-9.2	5.5	-29.7	4.7
163	-21.2	-20.8	-6.1	-42.7	-4.6
164	-23.5	-16.7	4.1	-37.9	0.4
165	-15.7	-11.1	5.3	-30.4	3.6
166	-32.6	-29.9	-8.3	-56.5	-10.8
167	-25.8	-22.4	-1.7	-43.2	-2.3
168	-12.2	-4.1	7.7	-66.7	-11.7
169	-12.2	-4.1	7.6	-67.1	-11.7
170	-31.3	-24.3	7.4	-35.9	3.4
171	-33.3	-30.4	5.4	-42.4	1.6
172	-15.1	-9.1	3.6	-34.9	4.0
173	-24.5	-22.7	-4.9	-46.7	-4.4
174	-16.2	-11.6	5.4	-30.8	3.6
175	-32.3	-28.7	-3.1	-56.5	-6.7
176	-28.6	-25.5	-3.1	-48.0	-4.3
177	-11.6	-3.6	8.2	-65.8	-11.1
178	-23.5	-18.7	-5.2	-97.6	-27.0
179	-31.1	-24.2	7.7	-35.8	3.6
180	-32.7	-26.1	6.9	-38.4	2.8
181	-19.1	-14.5	1.7	-41.5	2.6
182	-20.2	-15.9	0.5	-42.8	1.7
183	-22.9	-16.1	4.7	-37.3	1.1
184	-15.8	-11.1	5.8	-30.2	4.0
185	-29.1	-24.9	-0.6	-52.9	-4.4
186	-24.2	-19.9	1.2	-42.3	-0.7

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Table 32 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
187	-17.4	-9.6	4.9	-85.4	-17.6
188	-37.3	-33.5	5.4	-47.1	0.6
189	-20.4	-15.6	2.3	-43.9	1.7
190	-30.8	-26.3	0.8	-56.1	-4.3
191	-24.9	-21.0	2.9	-44.9	-0.3
192	-18.3	-10.4	5.1	-89.3	-18.1
193	-38.3	-34.9	5.3	-48.8	0.2
194	-21.1	-16.1	2.9	-45.7	2.3
195	-33.0	-27.5	-0.2	-59.4	-5.4
196	-26.9	-22.1	2.2	-48.0	-1.1
197	-28.5	-23.1	-7.2	-101.8	-29.4
198	-47.9	-48.2	-8.9	-57.7	-12.1
199	-28.4	-27.8	-7.2	-53.0	-6.4
200	-39.4	-38.6	-12.2	-66.9	-15.5
201	-37.3	-36.2	-9.7	-56.3	-10.2
202	-14.5	-6.7	6.9	-73.9	-15.4
203	-38.0	-32.5	5.6	-45.1	0.2
204	-17.6	-11.9	5.1	-35.7	3.4
205	-28.2	-21.7	1.8	-48.6	-3.5
206	-22.1	-16.4	5.1	-38.7	1.8
207	-26.8	-20.1	-6.0	-94.1	-27.0
208	-44.6	-44.0	-8.6	-50.6	-11.8
209	-27.2	-24.2	-7.1	-48.3	-6.2
210	-37.1	-34.2	-10.6	-60.1	-13.9
211	-27.9	-27.0	-7.8	-43.9	-9.4
212	-14.3	-6.5	6.4	-72.7	-15.1
213	-34.8	-29.4	6.8	-41.4	2.2
214	-20.6	-13.8	1.9	-41.3	1.7
215	-30.3	-23.4	-0.8	-50.9	-4.6
216	-24.2	-18.4	1.3	-40.9	-0.2
217	-16.4	-8.0	5.5	-80.8	-16.4
218	-38.9	-33.9	5.2	-46.6	0.1
219	-22.9	-17.0	-0.2	-45.0	-0.4

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Table 32 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
220	-29.9	-23.4	0.4	-49.5	-3.6
221	-29.8	-23.7	0.0	-45.9	-1.9
222	-29.9	-25.3	-9.7	-100.1	-31.9
223	-38.2	-33.7	5.5	-46.3	0.5
224	-27.6	-26.3	-5.7	-50.1	-5.3
225	-27.0	-20.6	2.3	-45.7	-2.6
226	-26.2	-21.1	2.3	-45.6	-1.0
227	-16.1	-7.7	4.4	-79.1	-16.2
228	-32.6	-27.7	4.0	-37.5	0.7
229	-18.4	-12.7	3.3	-35.9	2.4
230	-22.0	-16.2	4.0	-34.9	0.0
231	-21.1	-12.8	2.2	-34.1	0.6
232	-16.5	-8.6	4.0	-80.4	-16.8
233	-38.0	-32.7	4.0	-44.8	0.4
234	-21.5	-15.5	-0.1	-43.3	0.5
235	-33.0	-26.7	-1.9	-51.6	-5.2
236	-21.0	-15.3	2.0	-35.6	0.8
MAXD	-53.6	-48.2	-12.2	-101.8	-31.9
MD	-28.9	-24.3	-3.0	-49.6	-7.8
MAD	28.9	24.3	5.5	49.6	8.4

Table 33: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the M08-HX functional. All values are without a counter poise correction. MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
1	-44.0	-37.1	-12.6	-41.1	-10.3
2	-49.8	-41.8	-14.4	-46.1	-12.2
3	-44.6	-37.5	-12.1	-41.8	-9.9
4	-50.7	-42.5	-14.0	-47.1	-11.9
5	-47.9	-40.6	-13.2	-45.0	-11.1
6	-51.7	-43.5	-14.6	-48.2	-12.5
7	-48.1	-40.8	-13.3	-45.4	-11.0

Continued on next page

Table 33 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
8	-16.7	-13.0	-4.1	-79.6	-20.3
9	-18.4	-14.9	-5.0	-83.3	-21.4
10	-21.8	-14.0	-2.6	-79.8	-19.6
11	-21.5	-14.9	-3.0	-80.6	-20.3
12	-16.7	-13.1	-3.8	-80.2	-20.1
13	-16.9	-13.5	-3.4	-82.1	-19.9
14	-21.5	-13.7	-2.3	-79.6	-19.3
15	-22.9	-16.5	-4.0	-84.2	-21.8
16	-16.6	-13.5	-3.3	-81.7	-20.3
17	-17.0	-13.7	-3.3	-82.4	-19.9
18	-21.1	-13.3	-1.6	-79.5	-18.9
19	-23.2	-17.0	-4.4	-85.2	-22.3
20	-16.7	-13.7	-3.5	-82.3	-20.4
21	-20.9	-20.2	-4.7	-23.8	-4.0
22	-20.0	-16.1	-0.9	-21.2	-1.1
23	-21.7	-21.3	-4.4	-24.5	-4.0
24	-22.1	-21.1	-5.1	-25.0	-4.7
25	-22.1	-21.7	-5.1	-25.9	-4.8
26	-20.3	-19.4	-4.0	-23.4	-3.6
27	-20.2	-19.9	-3.9	-23.7	-3.5
28	-20.2	-19.8	-4.3	-22.8	-3.7
29	-21.6	-21.3	-4.2	-24.4	-3.9
30	-24.3	-23.4	-5.8	-26.8	-5.4
31	-22.5	-19.9	-2.9	-24.1	-3.7
32	-23.3	-22.8	-4.9	-26.8	-4.5
33	-20.1	-19.9	-4.4	-23.2	-3.8
34	-20.0	-19.5	-4.0	-22.6	-3.5
35	-20.4	-20.1	-2.8	-23.3	-2.5
36	-22.2	-21.7	-3.4	-25.5	-3.1
37	-19.3	-19.0	-3.5	-22.3	-2.9
38	-32.4	-32.8	-9.4	-56.3	-11.1
39	-34.9	-34.1	-11.1	-62.0	-12.8
40	-32.6	-32.8	-9.0	-57.3	-10.6

Continued on next page

Table 33 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
41	-37.0	-36.1	-11.8	-65.2	-13.5
42	-32.5	-32.7	-8.7	-57.6	-10.3
43	-37.0	-36.3	-11.6	-65.7	-13.2
44	-32.7	-33.0	-8.7	-57.8	-10.3
45	-35.7	-36.1	-10.1	-49.8	-6.3
46	-21.2	-22.3	3.1	-34.1	2.3
47	-22.9	-23.9	-4.9	-34.8	-1.5
48	-38.6	-39.4	-11.2	-53.4	-7.4
49	-29.2	-28.8	-0.7	-40.9	-0.5
50	-26.8	-26.5	-6.3	-39.9	-2.7
51	-35.5	-35.2	-8.9	-48.4	-4.8
52	-40.7	-41.3	-11.8	-55.2	-7.7
53	-30.9	-30.4	-0.9	-42.8	-0.5
54	-27.9	-27.0	-5.7	-40.8	-1.9
55	-34.5	-33.7	-8.4	-46.2	-3.9
56	-36.7	-28.3	-12.0	-43.4	-7.8
57	-43.2	-34.0	-14.9	-50.2	-10.6
58	-37.4	-29.0	-12.5	-44.1	-8.1
59	-38.2	-30.9	-12.5	-47.4	-8.7
60	-37.4	-29.1	-12.4	-44.3	-8.0
61	-44.6	-35.0	-14.3	-52.0	-9.9
62	-37.5	-29.1	-12.4	-44.4	-7.9
63	-32.5	-32.6	-10.4	-57.9	-10.6
64	-54.1	-42.6	-11.7	-47.5	-11.3
65	-49.7	-38.4	-10.5	-42.4	-10.0
66	-53.3	-42.3	-10.8	-47.2	-10.5
67	-48.4	-38.8	-9.7	-42.4	-9.8
68	-49.0	-37.8	-9.3	-42.0	-8.9
69	-53.6	-43.1	-11.1	-48.0	-10.9
70	-49.3	-39.5	-10.1	-43.4	-9.9
71	-48.6	-37.9	-9.1	-42.0	-8.8
72	-53.0	-42.5	-10.5	-47.5	-10.2
73	-48.7	-39.1	-9.7	-43.0	-9.5

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Table 33 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
74	-48.7	-38.0	-9.1	-42.2	-8.7
75	-25.9	-18.1	-6.5	-89.1	-23.5
76	-24.4	-17.7	-5.4	-87.6	-22.7
77	-23.9	-18.1	-6.0	-84.8	-23.0
78	-24.8	-17.3	-5.4	-87.8	-22.4
79	-24.3	-17.8	-5.1	-87.5	-22.7
80	-22.9	-17.2	-5.0	-83.5	-22.1
81	-24.8	-17.4	-5.2	-87.7	-22.5
82	-23.6	-17.1	-4.4	-86.7	-22.0
83	-22.8	-16.7	-4.3	-84.3	-21.5
84	-24.0	-16.7	-4.4	-86.9	-21.6
85	-23.5	-21.4	-3.0	-26.7	-4.9
86	-24.8	-23.2	-6.2	-26.6	-8.0
87	-21.9	-20.8	-1.8	-24.9	-4.2
88	-24.3	-21.9	-5.2	-25.5	-7.2
89	-22.4	-20.6	-2.2	-25.8	-4.2
90	-23.5	-21.8	-4.7	-24.7	-6.5
91	-22.4	-20.6	-2.2	-25.8	-4.2
92	-23.3	-21.6	-4.5	-24.6	-6.3
93	-24.1	-22.6	-5.4	-26.1	-7.3
94	-24.0	-22.6	-5.3	-26.0	-7.3
95	-20.2	-19.5	-1.3	-23.1	-3.2
96	-22.5	-20.8	-3.7	-23.7	-5.4
97	-20.4	-19.8	-1.4	-23.4	-3.4
98	-20.2	-19.5	-1.0	-22.9	-3.6
99	-20.5	-19.4	-2.7	-22.5	-4.5
100	-23.0	-21.6	-4.0	-25.1	-6.2
101	-17.7	-17.2	-1.8	-19.7	-4.0
102	-22.4	-20.6	-3.3	-23.8	-5.2
103	-20.8	-20.2	-1.9	-23.4	-3.8
104	-22.3	-20.5	-3.2	-23.8	-5.1
105	-21.9	-19.6	-2.7	-23.4	-5.0
106	-23.0	-21.6	-4.0	-25.1	-6.1

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Table 33 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
107	-35.5	-32.7	-8.4	-60.8	-11.9
108	-30.0	-26.6	-4.8	-54.4	-8.1
109	-36.2	-33.5	-8.6	-62.0	-12.1
110	-33.3	-31.5	-8.3	-56.4	-12.1
111	-30.1	-27.2	-4.9	-55.4	-8.2
112	-36.2	-33.6	-8.4	-62.5	-12.0
113	-32.9	-31.0	-7.9	-56.1	-11.6
114	-29.7	-26.9	-3.9	-55.2	-7.6
115	-35.4	-32.8	-7.7	-61.8	-11.3
116	-32.8	-31.0	-7.7	-56.3	-11.5
117	-29.3	-26.7	-3.6	-54.9	-7.2
118	-29.0	-29.8	-4.9	-41.8	-5.5
119	-21.5	-22.5	-4.0	-35.0	-2.9
120	-25.7	-27.1	-2.1	-37.9	-3.1
121	-25.9	-26.1	-7.0	-38.9	-5.8
122	-27.6	-28.9	-4.5	-42.1	-4.9
123	-20.5	-21.3	-1.8	-34.0	-0.7
124	-27.2	-28.8	-3.6	-41.7	-4.4
125	-22.9	-24.0	-4.4	-34.6	-3.6
126	-23.8	-24.3	-5.1	-36.4	-4.0
127	-29.7	-30.5	-4.8	-43.9	-5.0
128	-42.1	-29.8	-11.6	-47.2	-9.3
129	-40.0	-27.2	-11.0	-44.2	-8.8
130	-39.4	-27.9	-9.1	-44.9	-7.2
131	-38.6	-27.8	-10.1	-43.3	-8.4
132	-38.7	-26.3	-10.0	-43.4	-7.6
133	-41.1	-29.4	-10.7	-46.9	-8.4
134	-38.0	-27.3	-9.6	-42.7	-7.8
135	-38.0	-26.1	-9.7	-43.0	-7.3
136	-40.2	-28.6	-10.0	-46.0	-7.6
137	-37.6	-27.0	-9.3	-42.6	-7.5
138	-37.9	-26.0	-9.6	-43.0	-7.1
139	-31.5	-29.5	-7.3	-54.7	-9.6

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Table 33 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
140	-31.4	-29.3	-6.4	-55.4	-8.8
141	-29.2	-28.0	-7.3	-50.9	-9.8
142	-43.4	-34.3	1.1	-46.6	-6.8
143	-41.6	-33.0	0.9	-42.6	-7.1
144	-41.7	-34.2	-0.5	-43.2	-7.9
145	-41.9	-32.4	1.6	-44.4	-5.8
146	-40.0	-31.0	1.6	-40.5	-6.1
147	-41.7	-32.7	0.0	-42.2	-7.1
148	-12.9	-5.8	2.6	-61.9	-12.8
149	-18.8	-13.4	-4.0	-81.5	-20.4
150	-34.1	-27.5	2.6	-39.0	-2.1
151	-31.9	-34.3	-6.2	-42.2	-4.9
152	-16.8	-13.1	-0.9	-33.8	-0.7
153	-14.0	-15.6	-1.5	-32.8	0.0
154	-25.0	-18.8	-0.4	-42.5	-4.5
155	-25.8	-23.8	-5.6	-40.4	-5.7
156	-24.8	-23.4	-7.8	-46.9	-9.1
157	-26.3	-26.4	-6.8	-44.4	-5.8
158	-13.2	-6.2	2.7	-62.3	-12.8
159	-13.2	-6.3	2.6	-62.3	-12.9
160	-34.1	-27.6	2.9	-39.1	-1.8
161	-32.6	-35.4	-6.7	-40.7	-5.9
162	-16.8	-11.7	1.9	-30.9	0.7
163	-21.9	-20.9	-6.7	-42.8	-4.3
164	-26.1	-19.8	-0.1	-40.3	-4.1
165	-18.5	-14.2	1.1	-32.7	-1.0
166	-30.9	-28.4	-7.7	-54.7	-9.5
167	-25.7	-23.0	-3.0	-42.6	-3.4
168	-13.4	-6.3	2.8	-62.6	-12.7
169	-13.3	-6.4	2.8	-62.9	-12.8
170	-34.5	-27.5	1.8	-38.7	-2.8
171	-34.3	-31.5	1.9	-43.0	-1.9
172	-16.4	-10.6	0.8	-35.2	1.0

Continued on next page

Table 33 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
173	-23.2	-21.6	-4.6	-44.0	-3.3
174	-19.0	-14.4	1.4	-32.9	-1.0
175	-31.7	-28.6	-4.3	-55.8	-7.7
176	-29.0	-25.8	-4.9	-48.3	-5.6
177	-12.9	-5.9	3.2	-61.8	-12.2
178	-18.7	-14.6	-3.4	-84.4	-20.4
179	-34.4	-27.4	1.9	-38.6	-2.7
180	-35.1	-28.6	1.9	-40.2	-2.7
181	-20.0	-15.6	-0.9	-41.4	0.1
182	-20.9	-16.8	-1.8	-42.6	-0.4
183	-25.6	-19.4	0.3	-39.7	-3.6
184	-18.6	-14.0	1.8	-32.3	-0.7
185	-28.8	-25.3	-2.5	-52.5	-6.1
186	-25.2	-21.1	-1.6	-43.1	-3.4
187	-18.0	-10.8	0.9	-78.9	-17.3
188	-39.5	-35.3	1.2	-48.2	-3.7
189	-22.7	-17.8	-1.1	-45.1	-1.6
190	-32.1	-27.7	-2.1	-57.0	-7.0
191	-27.4	-23.3	-0.9	-46.9	-4.0
192	-18.9	-11.6	1.0	-82.2	-17.7
193	-40.1	-36.4	1.2	-49.6	-3.8
194	-23.3	-18.2	-0.7	-46.6	-0.8
195	-34.5	-28.9	-3.3	-60.5	-8.1
196	-29.4	-24.2	-1.8	-49.9	-4.7
197	-26.1	-20.1	-7.3	-93.0	-25.5
198	-47.8	-47.1	-9.6	-57.2	-12.5
199	-29.7	-28.7	-9.0	-53.4	-7.5
200	-39.3	-37.8	-12.2	-66.6	-15.2
201	-38.2	-37.2	-11.4	-56.9	-11.2
202	-15.4	-8.1	2.7	-67.7	-15.2
203	-40.3	-34.4	1.4	-46.7	-4.3
204	-19.8	-14.0	2.0	-36.8	0.2
205	-30.0	-23.6	-1.1	-50.0	-6.4

Continued on next page

Table 33 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
206	-24.6	-18.5	1.5	-40.6	-2.0
207	-25.2	-18.5	-7.3	-86.5	-24.4
208	-45.1	-43.6	-10.1	-50.7	-13.0
209	-27.8	-24.5	-8.8	-47.8	-7.3
210	-36.5	-33.3	-11.1	-59.3	-14.0
211	-30.0	-28.3	-9.8	-45.7	-11.3
212	-15.2	-8.2	1.9	-67.1	-15.2
213	-37.3	-31.7	2.2	-43.4	-3.0
214	-22.1	-15.4	-1.0	-41.5	-1.3
215	-30.2	-23.9	-2.5	-50.4	-6.5
216	-26.6	-20.9	-2.2	-42.5	-4.1
217	-17.2	-9.5	1.2	-74.5	-16.3
218	-41.6	-36.1	0.5	-48.7	-5.0
219	-25.7	-19.4	-3.9	-46.7	-4.0
220	-31.4	-24.9	-2.0	-50.4	-6.1
221	-31.7	-25.8	-3.4	-46.9	-5.1
222	-28.0	-22.6	-9.9	-91.9	-28.3
223	-40.7	-35.6	1.0	-48.1	-4.3
224	-28.4	-26.5	-7.0	-49.9	-5.9
225	-28.7	-22.5	-0.6	-46.7	-5.4
226	-28.9	-23.3	-1.1	-47.8	-4.5
227	-16.9	-9.6	-0.1	-73.8	-16.5
228	-32.7	-27.9	1.5	-37.4	-2.6
229	-20.6	-15.0	0.2	-37.6	-1.2
230	-24.0	-18.8	0.8	-36.9	-3.6
231	-22.5	-14.2	-0.5	-35.5	-2.6
232	-17.2	-10.0	-0.1	-75.0	-16.7
233	-40.3	-35.0	-0.5	-46.7	-4.5
234	-24.2	-17.7	-3.5	-45.2	-3.0
235	-33.2	-27.7	-3.6	-51.4	-7.3
236	-23.4	-17.9	-1.5	-37.5	-2.9
MAXD	-54.1	-47.1	-14.9	-93.0	-28.3
MD	-29.2	-24.8	-4.6	-48.3	-8.4

Continued on next page

Table 33 – continued from previous page

N	6-31G**	6-311G**	6-311++G(3df,2p)	def2-SVP	def2-TZVP
MAD	29.2	24.8	5.2	48.3	8.5

Table 34: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the MP2 method. E_{NCP} : without counter poise correction; E_{CPC} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CPC}	E_{NCP}	E_{CPC}	E_{NCP}	E_{CPC}	E_{NCP}	E_{CPC}	E_{NCP}	E_{CPC}	E_{NCP}	E_{CPC}
1	-26.1	19.1	-1.2	11.2	-26.1	19.6	-13.7	7.9	-11.3	8.7	-5.3	4.3
2	-30.1	20.1	-2.1	11.0	-29.8	20.1	-16.2	7.8	-13.1	8.4	-6.7	4.1
3	-27.1	18.0	-2.5	10.5	-27.7	18.3	-14.6	7.6	-12.6	7.9	-5.8	4.2
4	-31.4	20.6	-2.7	11.3	-31.0	20.8	-17.0	8.0	-13.7	8.8	-7.0	4.3
5	-30.0	18.8	-2.7	10.6	-29.9	19.2	-16.2	7.5	-13.1	8.0	-6.8	4.0
6	-32.2	20.6	-2.3	11.4	-31.7	20.8	-17.9	7.9	-13.7	8.9	-7.3	4.3
7	-30.3	18.7	-3.1	10.8	-30.7	19.1	-16.7	7.4	-13.6	8.1	-7.0	4.0
8	-64.6	11.4	-66.4	6.9	-52.4	21.2	2.8	15.1	-13.4	6.9	0.8	6.9
9	-68.0	13.3	-66.2	7.8	-53.9	21.9	2.2	15.1	-14.2	7.0	0.1	6.7
10	-67.9	-4.0	-66.2	2.6	-61.4	4.6	4.1	15.0	-17.9	-1.0	-0.6	6.4
11	-67.4	-1.1	-65.9	3.4	-60.0	7.1	4.7	15.1	-17.2	0.2	0.0	6.7
12	-66.0	10.8	-66.4	6.6	-53.0	20.7	1.8	14.6	-13.6	6.4	0.2	6.6
13	-67.3	14.5	-65.4	9.1	-53.0	23.2	2.9	16.2	-13.3	8.3	1.1	7.9
14	-68.3	-4.1	-66.3	2.5	-61.6	4.5	3.5	14.9	-17.8	-0.9	-0.8	6.4
15	-70.3	2.8	-66.7	4.4	-60.7	10.0	3.6	14.9	-17.9	1.3	-0.7	6.4
16	-68.1	13.4	-66.9	8.1	-54.0	22.8	1.9	15.7	-13.7	7.9	1.1	7.8
17	-68.0	14.3	-66.0	9.0	-53.8	23.1	2.2	15.9	-13.8	8.2	0.6	7.7
18	-69.0	-3.7	-66.3	3.1	-61.6	5.2	3.1	14.8	-17.6	-0.3	-1.0	6.4
19	-71.2	3.8	-67.7	4.3	-61.5	10.4	2.5	14.3	-18.8	1.1	-1.5	5.9
20	-68.8	13.3	-67.4	8.0	-54.5	22.8	1.5	15.5	-14.2	7.9	0.8	7.7

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Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
21	-16.9	18.7	-7.1	3.5	-17.0	14.8	-15.1	3.9	-13.0	1.1	-10.8	-2.5
22	-17.9	10.4	-3.7	4.0	-21.1	5.1	-9.9	6.3	-13.4	-1.7	-8.3	-0.6
23	-19.9	16.8	-8.9	2.6	-20.6	12.5	-17.6	3.5	-15.4	-0.5	-12.6	-3.3
24	-18.2	17.5	-7.6	3.2	-19.5	13.2	-15.4	4.1	-14.6	0.1	-11.3	-2.6
25	-20.1	17.1	-8.7	2.6	-20.7	13.0	-17.2	3.3	-15.2	-0.5	-12.3	-3.3
26	-17.9	16.4	-8.1	2.4	-18.5	12.4	-16.3	3.3	-14.3	-0.4	-11.8	-3.1
27	-17.8	17.7	-7.9	2.9	-18.0	13.7	-16.5	3.5	-13.7	0.4	-11.5	-2.8
28	-17.2	18.2	-7.9	3.0	-17.6	14.2	-16.6	3.3	-13.5	0.8	-11.3	-2.8
29	-20.5	16.7	-9.5	2.3	-21.3	12.3	-19.0	3.2	-16.0	-0.7	-13.2	-3.5
30	-20.4	18.3	-9.0	2.6	-20.8	14.0	-18.9	3.1	-15.4	-0.1	-13.2	-3.5
31	-21.4	12.5	-6.5	2.9	-23.4	7.4	-15.2	4.5	-15.4	-1.9	-11.5	-2.2
32	-21.6	18.2	-10.1	2.6	-22.6	14.1	-18.8	3.1	-16.6	-0.3	-13.5	-3.7
33	-18.9	17.0	-9.7	2.2	-18.7	13.5	-18.1	3.0	-14.8	0.1	-12.3	-3.2
34	-17.6	17.9	-8.2	3.0	-17.8	14.2	-17.0	3.2	-13.7	0.8	-11.4	-2.7
35	-20.3	17.5	-8.9	3.2	-21.0	13.2	-18.8	4.0	-15.5	0.2	-12.7	-2.7
36	-21.0	19.8	-8.3	4.1	-20.9	15.9	-18.7	4.2	-14.9	1.3	-12.9	-2.6
37	-18.1	17.9	-8.7	3.2	-17.7	14.5	-17.5	3.9	-13.8	1.1	-11.4	-2.2
38	-43.8	18.7	-8.9	9.0	-37.6	20.9	-16.9	8.9	-18.6	6.7	-7.3	3.2
39	-48.8	20.7	-10.4	9.2	-42.1	21.8	-19.3	8.4	-21.2	6.2	-9.1	2.7
40	-45.4	18.0	-9.6	9.3	-39.4	20.3	-18.2	8.9	-19.1	7.0	-7.6	3.4
41	-51.3	21.6	-11.0	9.7	-44.8	22.7	-20.8	8.8	-22.2	6.7	-9.7	3.0
42	-46.1	17.7	-9.5	9.4	-39.6	20.3	-18.7	9.0	-18.9	7.2	-7.8	3.6

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Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
43	-52.0	21.8	-11.0	9.9	-45.1	23.0	-21.9	8.8	-22.2	7.0	-10.2	3.0
44	-46.6	17.3	-9.7	8.8	-40.3	19.8	-19.4	8.7	-19.3	6.6	-8.2	3.4
45	-42.4	11.1	-12.2	4.5	-41.4	11.2	-37.7	2.3	-21.5	0.9	-20.4	-2.4
46	-36.8	-2.9	-6.5	3.4	-39.0	-4.3	-23.5	4.2	-17.7	-2.0	-13.8	0.2
47	-26.7	12.5	-3.4	9.3	-30.5	11.1	-23.6	7.4	-13.5	4.5	-12.1	2.7
48	-47.1	13.1	-13.3	5.4	-45.9	13.1	-43.2	2.7	-23.5	1.4	-23.0	-2.3
49	-42.7	0.9	-8.8	4.1	-46.0	-1.1	-30.1	3.8	-20.7	-1.7	-17.4	-0.4
50	-31.1	12.9	-3.4	9.7	-34.9	11.2	-25.9	7.6	-14.5	4.6	-13.6	2.7
51	-40.3	11.1	-10.8	5.5	-40.8	11.4	-36.7	3.5	-20.9	2.0	-19.3	-1.2
52	-49.0	13.9	-14.7	5.3	-47.8	13.7	-46.6	2.6	-25.0	1.4	-24.6	-2.5
53	-45.0	2.2	-9.6	3.9	-48.7	0.4	-33.2	3.7	-21.7	-1.6	-19.1	-0.6
54	-32.8	13.1	-4.3	9.7	-36.8	11.3	-28.1	7.3	-15.7	4.3	-14.8	2.5
55	-39.1	11.0	-11.4	4.8	-40.0	11.4	-38.0	2.6	-20.8	1.3	-20.3	-1.8
56	-27.3	17.9	-3.2	11.0	-25.0	19.8	-16.3	7.9	-12.6	8.2	-7.5	4.0
57	-32.6	19.3	-4.2	11.2	-30.2	20.8	-19.6	7.8	-14.8	8.0	-9.6	3.7
58	-28.1	17.0	-4.1	10.3	-26.7	18.8	-17.8	7.4	-13.6	7.5	-8.3	3.7
59	-31.6	18.7	-4.8	10.4	-30.0	20.4	-20.3	7.2	-14.9	7.5	-10.1	3.1
60	-28.5	16.6	-4.3	10.0	-27.1	18.4	-18.4	7.3	-13.8	7.4	-8.6	3.7
61	-35.0	20.7	-5.0	11.9	-32.6	22.6	-22.4	8.0	-16.1	8.9	-11.0	3.8
62	-28.8	16.4	-4.1	10.0	-26.8	18.4	-18.8	7.2	-13.6	7.4	-8.8	3.6
63	-47.1	24.9	-8.1	11.5	-37.4	26.7	-24.7	8.1	-18.4	8.9	-11.1	2.8
64	-34.1	10.7	-3.3	7.4	-36.5	8.6	-15.7	5.0	-16.6	3.4	-8.2	2.2

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Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
65	-30.9	8.3	-3.1	5.8	-34.6	5.8	-14.8	4.1	-16.0	1.4	-8.1	1.5
66	-35.2	10.8	-4.0	7.5	-37.8	8.9	-17.2	4.9	-17.1	3.6	-8.7	2.2
67	-32.3	10.6	-3.4	6.7	-35.5	8.5	-15.7	4.8	-16.2	2.8	-7.9	1.9
68	-31.5	8.8	-2.7	6.7	-34.1	6.6	-15.6	4.6	-15.8	2.4	-8.2	1.9
69	-36.7	10.3	-5.2	6.5	-39.5	8.2	-18.7	4.2	-18.2	2.6	-9.6	1.5
70	-33.3	10.3	-3.4	6.7	-36.7	8.0	-16.7	4.6	-16.7	2.6	-8.5	1.8
71	-32.7	8.2	-4.7	5.8	-36.0	5.9	-17.1	3.9	-17.5	1.4	-9.1	1.4
72	-36.6	10.6	-4.9	7.4	-38.9	9.0	-18.7	4.6	-17.9	3.4	-9.5	1.9
73	-33.6	10.0	-3.5	6.6	-36.8	7.9	-17.3	4.5	-16.6	2.6	-8.7	1.8
74	-33.0	8.2	-4.7	5.8	-36.3	5.8	-17.4	4.0	-17.5	1.5	-9.2	1.4
75	-74.5	-6.8	-68.9	-0.2	-63.6	3.2	0.5	11.1	-20.5	-3.3	-3.0	3.4
76	-75.7	-5.8	-70.2	-0.5	-64.1	4.1	-2.5	9.8	-20.9	-3.2	-4.4	2.6
77	-73.3	-4.9	-68.9	-0.4	-62.8	3.9	-2.0	9.6	-20.3	-3.5	-4.4	2.4
78	-74.8	-6.8	-68.5	-0.3	-63.0	3.3	-0.7	10.7	-19.7	-3.2	-3.5	3.2
79	-76.4	-5.5	-71.2	-0.4	-65.3	4.5	-3.4	9.4	-21.8	-3.0	-4.8	2.4
80	-72.3	-3.7	-69.6	0.9	-63.4	5.4	-1.8	10.2	-20.8	-2.1	-3.8	3.2
81	-75.4	-6.8	-70.0	-0.7	-64.2	3.3	-1.7	10.1	-20.9	-3.4	-4.0	2.9
82	-75.8	-4.8	-70.9	0.2	-64.8	5.1	-3.0	9.9	-21.3	-2.4	-4.2	3.0
83	-73.9	-4.6	-70.0	0.8	-64.0	5.0	-2.3	10.2	-21.0	-2.0	-4.0	3.2
84	-74.7	-6.1	-69.3	0.3	-63.5	4.0	-1.2	10.8	-20.1	-2.4	-3.4	3.6
85	-19.0	10.4	-3.1	3.6	-19.9	6.5	-10.1	4.7	-10.8	-0.5	-7.4	-0.6
86	-17.9	11.3	-4.8	3.1	-20.7	6.4	-12.3	4.3	-12.3	-1.0	-8.3	-1.3

Continued on next page

Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
87	-22.2	2.8	-5.4	2.2	-23.2	1.3	-13.1	3.0	-13.1	-2.1	-9.0	-1.1
88	-17.4	10.8	-5.2	3.3	-20.2	6.3	-11.9	4.6	-12.4	-0.9	-7.9	-0.9
89	-19.7	9.9	-5.5	2.8	-21.4	6.0	-11.7	4.0	-12.8	-1.1	-8.2	-1.0
90	-18.6	11.6	-5.5	2.6	-20.9	6.6	-13.6	3.7	-13.0	-1.6	-9.2	-1.6
91	-19.7	9.9	-5.8	2.8	-22.1	6.0	-11.6	4.1	-13.1	-1.0	-8.2	-1.0
92	-18.4	11.7	-5.1	2.9	-20.7	6.8	-13.4	3.9	-12.6	-1.4	-9.0	-1.5
93	-18.5	11.1	-5.6	2.9	-21.4	6.2	-13.5	4.0	-12.9	-1.1	-8.8	-1.4
94	-18.5	11.1	-5.2	3.0	-21.2	6.3	-13.5	4.0	-12.6	-1.0	-8.7	-1.4
95	-19.0	11.6	-4.8	3.4	-21.2	7.4	-13.1	4.2	-12.2	-0.5	-8.1	-0.7
96	-17.9	12.4	-5.1	3.7	-20.5	7.5	-13.2	4.5	-12.7	-0.7	-8.5	-0.8
97	-19.1	11.9	-4.1	3.8	-20.7	7.9	-13.0	4.4	-11.6	-0.1	-7.9	-0.5
98	-21.9	3.4	-5.0	1.8	-22.4	1.5	-13.6	2.9	-12.5	-2.0	-8.9	-0.8
99	-17.0	11.6	-4.1	3.7	-18.8	7.2	-13.0	4.4	-11.3	-0.3	-8.0	-0.6
100	-18.4	11.6	-4.2	3.8	-20.1	7.1	-13.5	4.6	-11.3	-0.2	-8.2	-0.7
101	-16.9	10.6	-5.4	2.7	-18.1	6.1	-15.3	3.5	-11.7	-0.9	-8.8	-1.1
102	-18.6	11.7	-5.2	3.2	-20.8	6.9	-13.7	4.2	-12.7	-1.0	-8.8	-1.0
103	-19.0	12.3	-5.2	3.4	-21.1	8.0	-13.6	4.0	-12.5	-0.3	-8.4	-0.7
104	-18.6	11.8	-5.4	3.3	-20.8	7.0	-13.7	4.2	-12.9	-0.9	-8.8	-1.0
105	-18.2	10.7	-5.8	3.4	-20.6	6.4	-14.5	4.5	-12.7	-0.6	-8.6	-0.6
106	-18.5	11.4	-3.7	3.6	-19.7	6.8	-13.8	4.4	-10.8	-0.5	-8.4	-0.8
107	-51.2	9.2	-10.0	6.2	-49.8	8.1	-17.4	7.1	-23.2	1.2	-8.4	2.3
108	-47.9	4.7	-7.3	4.9	-45.8	3.3	-15.6	7.2	-20.7	-0.9	-7.6	2.1

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Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
109	-53.4	9.3	-10.7	5.8	-51.0	8.1	-19.9	6.7	-23.7	1.1	-9.3	2.1
110	-48.9	9.8	-9.7	5.8	-47.2	8.6	-18.0	6.8	-22.6	0.9	-8.4	2.1
111	-49.9	5.7	-9.5	5.0	-48.0	4.4	-17.5	6.9	-22.3	-0.5	-8.3	2.1
112	-54.7	9.7	-11.3	5.9	-51.7	8.8	-21.3	6.4	-24.1	1.4	-9.8	2.0
113	-49.2	9.9	-9.7	6.1	-47.2	8.7	-18.8	6.8	-22.5	1.2	-8.7	2.2
114	-50.9	6.1	-9.4	5.4	-48.2	5.1	-18.7	6.9	-22.4	0.1	-8.7	2.1
115	-54.6	9.8	-9.9	6.4	-50.3	9.2	-21.5	6.5	-22.6	1.8	-9.8	2.2
116	-50.1	9.2	-10.6	5.3	-48.4	8.0	-19.9	6.2	-23.4	0.5	-9.3	1.8
117	-51.1	6.1	-9.5	5.5	-48.5	5.0	-19.1	6.8	-22.7	0.1	-8.9	2.1
118	-41.9	-1.5	-10.5	1.2	-43.9	-2.9	-31.0	0.5	-20.7	-3.6	-17.3	-2.1
119	-31.8	3.4	-4.2	5.0	-35.2	1.9	-24.7	3.1	-14.8	0.2	-13.1	0.4
120	-40.4	-2.7	-9.3	1.5	-42.8	-4.1	-29.5	1.1	-20.0	-3.8	-16.5	-1.8
121	-32.9	3.9	-4.7	4.7	-37.0	2.2	-24.6	3.1	-15.3	-0.2	-13.2	0.2
122	-42.4	0.0	-9.2	1.8	-42.8	-1.2	-33.8	0.5	-19.4	-2.5	-17.8	-1.8
123	-32.9	3.8	-5.7	4.8	-36.9	2.4	-26.8	3.3	-15.8	0.3	-14.4	0.3
124	-44.2	-0.9	-10.4	1.7	-46.2	-2.4	-32.6	0.7	-21.2	-3.3	-17.7	-2.0
125	-31.9	6.0	-5.6	5.2	-37.8	4.1	-27.0	3.2	-16.4	0.5	-14.1	0.2
126	-32.1	4.1	-5.6	4.7	-37.3	2.7	-25.0	3.1	-16.0	0.0	-13.6	0.2
127	-44.6	0.0	-10.7	1.8	-46.1	-1.1	-35.4	0.4	-21.1	-2.8	-19.1	-2.1
128	-34.3	8.2	-4.9	6.4	-35.5	7.7	-18.7	4.2	-17.3	2.1	-10.9	1.3
129	-32.1	6.4	-4.8	4.9	-34.4	5.8	-17.7	3.4	-16.8	0.5	-10.6	0.8
130	-34.3	8.5	-4.8	6.6	-35.7	8.3	-19.5	4.5	-16.9	2.5	-11.0	1.5

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Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
131	-32.7	8.4	-3.8	6.4	-33.9	7.9	-18.5	4.2	-15.9	2.1	-10.5	1.4
132	-32.4	6.8	-3.9	5.6	-33.1	6.5	-18.9	3.7	-16.1	1.2	-10.9	1.2
133	-36.1	8.4	-7.2	5.9	-38.1	8.1	-21.9	3.7	-19.3	1.7	-12.4	1.0
134	-33.0	8.2	-4.7	5.7	-35.1	7.4	-19.5	3.8	-16.6	1.6	-11.0	1.2
135	-33.3	6.7	-5.9	5.1	-34.8	6.2	-20.2	3.4	-17.7	0.9	-11.6	0.9
136	-35.9	8.7	-6.0	6.4	-36.8	8.7	-22.1	4.0	-18.1	2.4	-12.4	1.3
137	-33.3	8.0	-4.8	5.7	-35.3	7.3	-20.3	3.7	-16.7	1.5	-11.4	1.1
138	-33.4	6.9	-6.0	5.3	-35.0	6.6	-20.5	3.6	-17.7	1.3	-11.7	1.1
139	-46.9	11.0	-6.3	8.1	-42.2	10.7	-19.5	6.9	-18.6	3.1	-8.9	2.4
140	-50.2	11.6	-7.8	8.1	-43.9	11.7	-23.7	6.2	-19.7	3.3	-10.4	2.2
141	-45.7	11.3	-7.0	7.1	-40.9	10.7	-21.6	6.2	-18.9	2.2	-9.6	2.0
142	-46.1	-3.6	-11.8	0.5	-50.6	-5.5	-8.8	6.7	-27.1	-6.1	-6.9	1.5
143	-41.3	-2.3	-10.2	1.4	-45.2	-4.4	-6.1	7.7	-25.2	-5.5	-4.9	2.2
144	-39.1	-1.1	-8.2	2.8	-42.6	-3.4	-4.5	8.9	-23.6	-4.8	-3.4	3.3
145	-44.0	-4.1	-10.9	0.6	-49.2	-6.8	-9.7	5.8	-26.2	-6.3	-7.5	1.0
146	-39.6	-3.0	-8.4	1.4	-43.2	-5.9	-7.1	6.6	-23.2	-5.7	-5.6	1.6
147	-37.9	-1.3	-7.3	3.2	-42.1	-4.4	-5.1	8.2	-22.9	-4.7	-3.9	2.9
148	-59.7	-15.2	-69.2	-5.2	-62.3	-5.7	2.1	10.4	-20.4	-7.9	-3.7	2.5
149	-65.3	2.5	-65.6	5.8	-52.6	17.9	7.4	20.1	-12.2	6.1	3.1	9.3
150	-36.7	0.3	-7.2	2.8	-46.6	-4.7	-4.2	9.1	-24.2	-5.2	-3.4	3.9
151	-33.5	15.1	-9.3	6.7	-35.0	15.5	-11.0	7.4	-21.7	3.8	-5.7	2.6
152	-28.0	9.0	-1.0	7.5	-27.9	7.2	-5.6	9.5	-12.9	2.3	-3.1	4.9

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Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
153	-30.5	11.0	-5.6	6.0	-25.6	13.9	-11.6	6.2	-13.5	4.6	-6.8	1.7
154	-38.3	4.0	-7.0	3.9	-38.5	1.2	-9.7	8.6	-18.8	-1.8	-5.6	2.8
155	-31.4	10.8	-2.9	8.3	-32.6	9.2	-11.7	8.6	-13.9	3.2	-5.2	4.0
156	-36.2	15.0	-4.8	8.6	-29.2	15.9	-12.2	8.7	-13.4	5.7	-4.6	4.0
157	-33.4	9.1	-5.7	6.9	-31.8	9.7	-14.6	7.0	-14.9	3.2	-7.1	2.8
158	-60.2	-15.7	-69.0	-5.0	-62.7	-6.2	1.9	10.4	-20.2	-7.8	-3.6	2.7
159	-60.1	-15.5	-69.0	-5.0	-62.6	-6.0	2.0	10.4	-20.2	-7.8	-3.5	2.7
160	-37.3	-0.4	-7.0	2.9	-46.7	-5.2	-4.5	9.0	-24.0	-5.1	-3.4	4.0
161	-32.8	16.3	-9.8	6.6	-35.2	15.8	-12.5	6.5	-22.9	3.1	-6.8	1.9
162	-30.1	0.7	-5.1	2.5	-33.3	-1.8	-8.9	6.3	-16.8	-3.3	-7.0	1.4
163	-34.3	12.2	-6.5	6.7	-28.6	13.9	-13.4	6.7	-16.7	3.7	-7.1	2.3
164	-37.8	0.0	-9.7	0.7	-41.7	-3.3	-11.6	5.5	-20.8	-5.0	-8.5	0.0
165	-32.5	1.2	-7.8	1.0	-36.3	-2.6	-15.3	3.9	-19.4	-5.2	-10.0	-0.5
166	-44.7	12.9	-8.7	7.5	-39.2	14.3	-15.0	8.4	-18.9	4.0	-6.6	3.1
167	-37.1	6.4	-5.1	6.1	-38.0	5.4	-15.6	7.1	-16.6	1.1	-8.2	2.5
168	-60.7	-16.0	-69.1	-5.1	-63.0	-6.4	1.7	10.3	-20.3	-7.9	-3.7	2.6
169	-60.8	-15.5	-69.1	-4.9	-62.8	-5.8	1.8	10.3	-20.2	-7.5	-3.5	2.7
170	-39.1	-2.8	-10.4	-0.6	-48.7	-8.3	-7.9	5.7	-27.1	-8.5	-6.5	0.8
171	-41.7	5.8	-9.5	4.7	-49.0	2.9	-8.0	8.8	-26.8	-2.2	-5.3	3.2
172	-33.3	6.3	-4.5	4.9	-31.5	4.6	-10.0	7.8	-17.4	-0.8	-6.5	2.8
173	-36.6	15.3	-3.6	9.6	-34.8	15.1	-11.6	9.6	-16.1	6.3	-6.0	4.7
174	-33.2	0.1	-8.1	0.4	-37.6	-4.0	-15.8	3.5	-19.6	-5.7	-10.3	-0.8

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Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
175	-48.4	12.5	-8.9	7.4	-46.9	12.2	-14.9	9.0	-21.7	2.7	-7.5	3.0
176	-42.2	12.7	-8.3	7.1	-41.4	10.6	-18.8	6.5	-20.6	1.6	-9.4	1.5
177	-60.1	-15.8	-68.9	-4.8	-62.6	-6.2	2.0	10.6	-20.1	-7.5	-3.3	3.0
178	-69.0	11.5	-65.8	9.1	-54.7	22.4	5.2	18.8	-13.2	8.7	2.8	9.5
179	-39.0	-2.8	-10.4	-0.5	-48.7	-8.1	-7.9	5.8	-27.0	-8.3	-6.4	1.0
180	-38.8	-1.8	-8.5	1.7	-48.2	-6.5	-5.9	7.8	-25.4	-6.2	-4.6	2.9
181	-38.7	9.5	-6.1	6.0	-37.7	8.3	-13.5	7.6	-20.0	0.7	-8.8	2.3
182	-38.9	10.8	-6.3	6.5	-37.9	9.8	-13.9	7.7	-19.9	1.5	-8.8	2.4
183	-37.5	-0.2	-9.2	0.9	-41.1	-3.3	-11.7	5.6	-20.3	-4.7	-8.4	0.3
184	-32.8	0.3	-8.1	0.7	-37.2	-3.8	-15.6	3.7	-19.5	-5.5	-10.0	-0.5
185	-47.1	11.0	-8.7	6.9	-45.8	9.7	-15.4	9.0	-21.5	1.8	-7.6	3.1
186	-40.2	9.4	-7.5	6.0	-41.2	5.6	-18.0	6.5	-20.2	-0.5	-9.1	1.6
187	-78.3	-13.3	-75.2	-4.7	-70.9	-2.2	-2.3	9.6	-26.1	-7.4	-6.6	1.3
188	-50.3	-0.2	-12.4	2.2	-57.0	-2.9	-12.2	6.9	-31.6	-6.0	-7.9	1.6
189	-45.3	6.7	-9.3	3.3	-44.4	5.5	-17.5	6.1	-24.8	-3.0	-11.9	0.2
190	-55.8	5.8	-13.2	3.9	-54.7	4.2	-19.0	7.3	-27.0	-2.3	-10.6	0.9
191	-47.9	4.4	-11.4	3.3	-49.3	0.7	-21.8	4.9	-25.0	-3.9	-12.1	-0.2
192	-82.7	-10.0	-76.3	-3.5	-73.0	0.3	-3.5	9.7	-27.2	-6.4	-7.1	1.4
193	-52.2	-0.7	-14.5	1.1	-60.1	-3.5	-13.5	6.3	-34.0	-6.7	-9.2	0.8
194	-48.6	6.5	-10.5	3.0	-47.5	5.4	-19.8	5.7	-26.3	-3.0	-13.3	-0.3
195	-59.3	5.3	-13.7	2.9	-58.1	3.4	-20.9	6.6	-28.4	-3.4	-12.3	0.0
196	-51.2	4.8	-12.4	2.5	-52.5	0.4	-23.5	4.5	-27.0	-5.0	-13.7	-1.1

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Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
197	-79.3	0.2	-71.7	1.0	-65.5	8.0	-2.7	10.2	-22.2	-1.9	-4.5	2.6
198	-48.3	7.0	-12.0	4.5	-55.2	5.2	-13.8	5.6	-30.2	-1.6	-8.1	1.5
199	-45.0	11.9	-8.3	6.5	-43.9	11.4	-19.4	6.1	-22.8	1.8	-11.6	1.3
200	-54.0	15.3	-11.1	7.8	-50.8	14.4	-20.8	7.7	-24.2	3.1	-10.1	2.3
201	-47.9	9.9	-10.2	5.7	-49.7	8.1	-25.8	4.8	-23.3	0.2	-13.5	0.5
202	-69.2	-14.5	-73.4	-4.6	-66.9	-2.6	-1.1	10.4	-24.3	-7.3	-5.7	2.1
203	-47.3	-0.8	-11.7	1.4	-54.9	-3.9	-9.8	7.7	-31.0	-6.8	-6.8	2.0
204	-39.0	2.1	-10.0	2.0	-40.8	1.0	-14.6	5.9	-23.9	-4.1	-10.1	0.3
205	-48.2	3.0	-10.6	3.1	-46.7	1.5	-15.1	7.5	-24.0	-3.1	-9.0	1.3
206	-41.9	2.5	-8.3	3.2	-43.5	-1.6	-16.8	5.7	-22.3	-4.6	-9.9	0.4
207	-72.2	0.0	-68.3	1.9	-62.1	7.9	0.3	11.9	-20.8	-2.1	-3.4	3.4
208	-39.7	8.7	-8.3	5.7	-46.5	6.4	-9.1	7.0	-25.5	-0.5	-5.2	2.8
209	-38.7	11.7	-5.2	7.0	-38.5	10.0	-15.3	6.9	-19.6	1.5	-9.2	2.0
210	-47.8	12.3	-8.9	7.1	-46.6	10.4	-17.0	7.9	-21.9	1.8	-7.9	2.4
211	-35.7	12.9	-6.3	7.1	-35.2	9.9	-17.6	5.9	-17.5	1.8	-8.0	1.9
212	-66.3	-15.2	-70.8	-4.5	-64.6	-3.6	1.6	11.6	-22.7	-7.4	-3.8	3.1
213	-42.8	-0.2	-8.4	3.2	-50.9	-3.8	-5.4	9.6	-27.8	-5.6	-3.5	4.2
214	-38.5	7.7	-4.9	6.3	-37.7	6.3	-10.4	8.9	-19.9	-0.4	-7.1	3.0
215	-44.3	3.0	-6.9	5.2	-44.8	1.4	-10.3	9.3	-20.8	-1.6	-5.9	3.0
216	-39.7	2.0	-7.3	3.3	-42.2	-1.0	-15.7	6.2	-21.6	-4.4	-9.7	0.9
217	-72.6	-12.4	-71.8	-3.4	-66.4	-1.3	0.7	11.8	-23.6	-6.5	-4.5	3.0
218	-48.6	-0.7	-11.5	1.8	-55.9	-4.0	-8.9	8.0	-31.2	-6.6	-6.0	2.4

Continued on next page

Table 34 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
219	-42.8	7.9	-9.4	4.3	-42.6	6.5	-14.4	7.3	-24.5	-2.1	-10.0	1.2
220	-48.2	3.0	-10.4	3.7	-47.5	1.7	-15.3	7.6	-23.7	-2.9	-9.2	1.4
221	-43.2	3.5	-7.6	4.0	-45.7	0.6	-18.4	6.3	-21.8	-3.3	-11.1	0.9
222	-74.8	7.4	-69.5	3.2	-62.6	12.4	-1.0	10.7	-20.8	-0.1	-3.3	3.2
223	-49.1	-1.4	-11.7	1.8	-56.4	-4.5	-9.5	7.7	-31.4	-6.6	-6.3	2.3
224	-41.9	12.8	-7.3	7.2	-42.4	11.4	-15.5	7.1	-22.2	2.1	-10.0	1.9
225	-46.0	0.4	-10.6	2.7	-45.7	-0.8	-14.4	6.9	-23.3	-3.7	-8.6	1.3
226	-47.4	4.1	-9.5	3.8	-47.4	0.4	-20.1	5.7	-23.7	-3.7	-11.2	0.4
227	-69.3	-12.7	-69.1	-2.9	-64.1	-1.8	3.7	13.0	-21.9	-6.7	-2.8	3.8
228	-34.4	0.5	-3.7	4.9	-40.8	-2.7	-0.8	9.4	-21.0	-3.2	0.1	5.4
229	-37.1	2.8	-6.5	3.5	-38.1	1.5	-8.6	6.6	-20.6	-3.1	-6.5	1.5
230	-35.2	0.1	-6.6	3.2	-34.8	-0.8	-7.9	6.8	-17.8	-2.9	-5.1	1.9
231	-32.0	5.1	-3.8	5.3	-33.4	-0.3	-9.9	7.6	-17.9	-3.4	-5.4	2.2
232	-70.1	-11.8	-69.3	-2.4	-64.1	-0.9	3.0	12.6	-21.8	-6.0	-2.7	3.9
233	-43.6	1.9	-7.9	4.8	-51.7	-1.4	-5.5	10.0	-27.8	-4.2	-3.2	4.5
234	-40.3	9.4	-6.5	6.0	-39.4	7.9	-11.4	8.7	-22.2	-0.8	-7.7	2.6
235	-45.0	3.5	-5.9	6.5	-44.7	2.7	-9.5	9.6	-20.1	-0.4	-5.6	3.3
236	-35.5	1.5	-6.0	3.4	-37.2	-1.4	-14.4	6.3	-19.4	-4.1	-8.5	1.2
MAXD	-82.7	24.9	-76.3	11.9	-73.0	26.7	-46.6	20.1	-34.0	8.9	-24.6	9.5
MD	-41.6	6.9	-18.0	4.4	-41.0	7.0	-13.8	7.0	-18.9	0.0	-8.3	1.7
MAD	41.6	9.4	18.0	4.9	41.0	8.6	14.4	7.0	18.9	3.3	8.4	2.4

Table 35: Deviation of interaction energy ΔE in kJ/mol to the corresponding reference structure N of the IL-2013 set for the SCS-MP2 method. E_{NCP} : without counter poise correction; E_{CIP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CIP}	E_{NCP}	E_{CIP}	E_{NCP}	E_{CIP}	E_{NCP}	E_{CIP}	E_{NCP}	E_{CIP}	E_{NCP}	E_{CIP}
1	-21.5	22.3	4.9	17.0	-21.3	22.9	-7.7	14.3	-4.9	14.5	1.0	11.3
2	-25.0	23.7	4.6	17.4	-24.5	23.8	-9.6	14.8	-5.9	14.7	0.1	11.7
3	-22.5	21.2	3.6	16.3	-22.9	21.7	-8.6	14.0	-6.1	13.7	0.4	11.1
4	-26.1	24.3	4.2	17.8	-25.6	24.5	-10.3	15.2	-6.4	15.3	0.0	12.1
5	-24.9	22.4	4.0	17.0	-24.6	22.9	-9.7	14.4	-6.0	14.4	0.0	11.5
6	-26.8	24.3	4.6	18.1	-26.2	24.7	-11.0	15.2	-6.4	15.6	-0.3	12.2
7	-25.2	22.3	3.5	17.0	-25.4	22.9	-10.2	14.4	-6.6	14.5	-0.2	11.5
8	-59.8	15.4	-55.9	14.6	-45.4	25.7	10.4	23.2	-5.5	14.4	8.9	15.7
9	-62.9	17.6	-55.6	15.7	-46.7	26.7	10.1	23.5	-6.0	14.9	8.5	15.9
10	-62.4	1.0	-56.6	9.6	-53.8	10.0	10.9	22.4	-10.4	6.5	6.4	14.3
11	-62.0	3.8	-56.2	10.5	-52.5	12.4	11.6	22.5	-9.7	7.6	7.1	14.6
12	-61.0	15.0	-55.9	14.5	-45.9	25.4	9.6	22.9	-5.6	14.3	8.5	15.6
13	-62.2	18.9	-6.7	17.1	-45.8	28.0	10.8	24.7	-5.0	16.3	9.5	17.2
14	-62.8	1.0	-56.7	9.6	-54.0	10.0	10.4	22.3	-10.3	6.5	6.2	14.3
15	-64.5	8.0	-8.5	12.1	-52.8	15.6	11.1	22.9	-9.8	9.2	7.0	15.0
16	-63.1	17.6	-8.2	16.2	-46.8	27.6	9.8	24.1	-5.5	15.9	9.5	17.0
17	-62.7	18.8	-55.1	17.1	-46.4	28.0	10.2	24.5	-5.4	16.3	9.2	17.1
18	-63.4	1.4	-8.6	10.2	-53.9	10.7	10.1	22.3	-10.0	7.2	6.1	14.4
19	-65.3	9.1	-9.2	12.2	-53.5	16.2	10.3	22.7	-10.4	9.3	6.5	14.8

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
20	-63.7	17.4	-56.5	16.1	-47.3	27.5	9.5	24.0	-5.9	15.9	9.3	17.0
21	-6.6	27.6	5.5	15.8	-6.5	24.4	-2.9	16.6	-0.3	13.4	1.9	10.9
22	-9.4	18.0	5.9	13.5	-12.3	13.3	-0.6	16.1	-3.4	8.1	1.3	9.7
23	-9.2	26.1	3.9	15.1	-9.7	22.4	-5.2	16.3	-2.5	12.1	0.3	10.3
24	-8.0	26.3	4.6	15.1	-9.0	22.7	-3.6	16.4	-2.3	12.1	1.0	10.4
25	-9.2	26.6	4.3	15.3	-9.6	23.2	-4.6	16.4	-2.1	12.3	0.7	10.5
26	-7.5	25.4	4.2	14.5	-7.9	22.1	-4.3	15.8	-1.8	11.8	0.5	10.0
27	-7.4	26.6	4.7	15.2	-7.3	23.4	-4.3	16.1	-1.0	12.8	1.2	10.6
28	-7.2	26.9	4.5	15.2	-7.2	23.7	-4.5	15.8	-1.1	12.9	1.2	10.5
29	-9.6	26.1	3.5	15.0	-10.3	22.4	-6.4	16.3	-2.9	12.0	-0.3	10.3
30	-9.4	27.7	4.1	15.5	-9.6	24.1	-6.2	16.4	-2.3	12.7	0.0	10.4
31	-11.3	21.3	5.0	14.2	-13.2	16.8	-4.0	16.2	-3.6	9.7	-0.1	10.1
32	-10.1	28.2	3.6	16.0	-10.8	24.8	-5.5	16.9	-2.9	13.2	0.2	10.9
33	-8.6	26.0	3.0	14.6	-8.0	23.2	-5.9	15.7	-2.1	12.5	0.3	10.2
34	-7.6	26.6	4.2	15.0	-7.5	23.5	-5.1	15.6	-1.3	12.9	1.0	10.5
35	-9.2	27.0	4.2	16.0	-9.8	23.4	-6.1	17.2	-2.2	13.1	0.4	11.3
36	-9.2	30.0	5.7	17.8	-8.9	26.8	-5.0	18.3	-0.8	15.0	1.1	12.3
37	-7.7	26.9	4.0	15.6	-7.1	24.1	-5.3	16.6	-1.1	13.5	1.2	11.2
38	-35.7	24.5	1.0	18.1	-29.4	27.0	-7.4	18.7	-8.4	15.8	2.3	13.6
39	-39.7	27.3	0.6	19.4	-32.9	28.7	-8.7	19.4	-9.8	16.5	1.6	14.3
40	-37.3	23.9	0.4	18.5	-31.1	26.4	-8.7	18.7	-8.9	16.2	1.9	13.9
41	-41.5	28.7	0.7	20.6	-34.9	30.2	-9.6	20.5	-10.1	17.7	1.5	15.3

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
42	-37.9	23.6	0.5	18.6	-31.3	26.4	-9.2	18.9	-8.7	16.4	1.8	14.1
43	-42.1	29.1	0.9	21.0	-35.1	30.6	-10.5	20.7	-10.0	18.1	1.3	15.5
44	-38.4	23.2	0.3	18.0	-32.0	25.9	-9.8	18.6	-9.1	15.8	1.4	13.9
45	-30.9	20.6	1.7	18.0	-29.4	21.2	-23.9	16.5	-7.2	14.4	-6.7	12.5
46	-28.8	4.0	2.1	11.8	-30.4	3.2	-14.9	13.2	-8.5	6.7	-5.6	9.3
47	-18.8	18.9	6.1	18.4	-22.2	17.7	-14.1	17.2	-3.4	13.8	-2.9	13.0
48	-34.4	23.5	1.8	20.0	-32.8	23.9	-28.0	18.3	-7.9	16.2	-8.2	14.0
49	-33.0	9.0	1.7	14.2	-35.7	7.6	-19.5	14.7	-9.5	8.8	-7.5	10.8
50	-22.4	19.9	6.7	19.5	-25.9	18.5	-15.6	18.3	-3.7	14.6	-3.6	13.9
51	-29.2	20.3	2.6	18.5	-29.3	21.0	-23.2	17.4	-6.9	15.0	-6.2	13.3
52	-35.6	24.8	1.2	20.7	-34.0	25.1	-30.7	19.0	-8.5	16.9	-9.2	14.5
53	-34.5	10.9	1.8	15.0	-37.6	9.6	-21.8	15.5	-9.7	9.7	-8.4	11.4
54	-23.7	20.3	6.2	19.8	-27.4	18.9	-17.4	18.4	-4.4	14.8	-4.4	14.1
55	-28.0	20.1	2.1	17.9	-28.5	21.0	-24.5	16.5	-6.8	14.5	-7.1	12.7
56	-21.9	21.6	3.6	17.1	-19.7	23.3	-9.7	14.8	-5.4	14.3	-0.7	11.5
57	-26.4	23.5	3.4	18.0	-24.0	24.9	-12.2	15.6	-6.7	15.0	-2.1	12.1
58	-22.7	20.6	2.7	16.4	-21.3	22.3	-11.3	14.3	-6.3	13.7	-1.6	11.2
59	-25.6	22.8	2.7	17.2	-24.0	24.6	-12.9	14.9	-6.9	14.5	-2.7	11.5
60	-23.2	20.2	2.5	16.2	-21.7	21.9	-11.8	14.2	-6.6	13.5	-1.9	11.1
61	-28.3	25.1	3.1	19.3	-26.0	26.9	-14.3	16.4	-7.4	16.4	-3.0	12.9
62	-23.5	20.0	2.6	16.2	-21.5	21.9	-12.3	14.0	-6.4	13.5	-2.2	11.0
63	-37.4	31.9	3.4	22.4	-27.8	34.0	-13.3	19.8	-6.5	19.7	0.1	15.2

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
64	-28.4	15.0	3.3	13.7	-30.6	13.2	-9.3	11.8	-9.4	9.8	-1.7	9.4
65	-25.6	12.3	3.0	11.6	-29.0	10.0	-9.0	10.2	-9.4	7.5	-2.2	8.1
66	-29.4	15.2	2.5	13.8	-31.8	13.5	-10.7	11.8	-9.9	10.1	-2.2	9.5
67	-26.9	14.8	3.0	12.8	-29.7	12.9	-9.6	11.3	-9.3	9.0	-1.8	8.8
68	-26.2	12.9	3.4	12.4	-28.5	10.9	-9.7	10.9	-9.0	8.4	-2.2	8.7
69	-30.9	14.7	1.6	12.8	-33.3	12.8	-12.1	11.2	-10.7	9.2	-3.1	8.9
70	-27.8	14.5	2.9	12.6	-30.9	12.4	-10.6	11.1	-9.7	8.8	-2.4	8.7
71	-27.3	12.4	1.6	11.6	-30.2	10.3	-11.1	10.3	-10.5	7.6	-3.1	8.2
72	-30.7	15.0	1.8	13.6	-32.9	13.5	-12.1	11.5	-10.6	10.0	-2.9	9.3
73	-28.1	14.2	2.8	12.6	-31.0	12.3	-11.1	11.0	-9.7	8.8	-2.6	8.7
74	-27.5	12.4	1.5	11.7	-30.4	10.3	-11.4	10.4	-10.6	7.7	-3.2	8.2
75	-68.3	-1.2	-10.3	7.8	-55.4	9.1	8.2	19.3	-12.0	4.9	5.0	12.2
76	-69.3	0.0	-59.0	8.0	-55.7	10.2	5.6	18.4	-12.0	5.4	3.9	11.8
77	-67.0	0.9	-58.0	7.7	-54.5	10.0	5.9	18.1	-11.7	4.8	3.8	11.4
78	-68.6	-1.1	-57.8	7.8	-54.9	9.2	7.1	18.9	-11.2	5.0	4.5	12.1
79	-70.0	0.3	-12.1	8.1	-56.8	10.7	4.7	18.1	-12.9	5.7	3.6	11.7
80	-66.0	2.0	-10.8	9.1	-55.1	11.4	6.1	18.7	-12.2	6.3	4.4	12.2
81	-69.2	-1.2	-11.2	7.6	-56.0	9.2	6.2	18.5	-12.3	5.0	4.1	11.8
82	-69.4	1.0	-11.7	8.7	-56.4	11.2	5.1	18.7	-12.4	6.3	4.2	12.3
83	-67.4	1.3	-58.9	9.1	-55.6	11.2	5.7	18.8	-12.3	6.4	4.2	12.3
84	-68.6	-0.5	-10.6	8.4	-55.4	10.0	6.6	19.1	-11.6	5.9	4.7	12.5
85	-10.6	17.7	6.2	12.7	-11.4	14.3	-1.0	14.2	-1.1	8.9	1.9	9.4

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
86	-9.2	18.8	5.0	12.7	-11.7	14.5	-2.8	14.2	-2.2	8.7	1.4	9.1
87	-15.2	8.8	2.7	10.2	-16.0	7.9	-5.0	11.4	-4.7	6.2	-1.0	7.7
88	-9.0	18.1	4.3	12.5	-11.6	14.1	-2.7	14.2	-2.6	8.6	1.5	9.1
89	-11.4	17.1	4.1	12.0	-12.8	13.7	-2.5	13.6	-2.9	8.4	1.1	8.9
90	-9.7	19.2	4.5	12.4	-11.9	14.7	-4.0	13.8	-2.7	8.3	0.7	8.9
91	-11.3	17.2	3.8	12.0	-13.5	13.8	-2.5	13.6	-3.3	8.4	1.2	9.0
92	-9.6	19.4	4.8	12.6	-11.6	14.9	-3.8	13.9	-2.3	8.6	0.8	9.0
93	-9.8	18.6	4.3	12.5	-12.4	14.3	-4.0	14.0	-2.6	8.7	1.0	9.1
94	-9.8	18.6	4.6	12.6	-12.2	14.4	-3.9	14.0	-2.4	8.8	1.0	9.1
95	-10.4	19.0	4.9	12.8	-12.4	15.3	-3.7	14.0	-2.1	9.3	1.5	9.5
96	-9.0	20.0	4.8	13.3	-11.5	15.6	-3.6	14.5	-2.3	9.3	1.3	9.7
97	-10.6	19.3	5.6	13.2	-11.9	15.7	-3.6	14.1	-1.6	9.6	1.6	9.7
98	-15.1	9.2	2.9	9.6	-15.4	7.8	-5.8	11.0	-4.3	5.9	-1.2	7.6
99	-8.7	18.7	5.2	12.8	-10.3	14.9	-3.8	14.0	-1.6	9.1	1.4	9.4
100	-9.6	19.1	5.8	13.4	-11.2	15.2	-3.9	14.6	-1.1	9.6	1.6	9.8
101	-8.9	17.3	3.6	11.4	-10.0	13.3	-6.6	12.6	-2.4	8.1	0.0	8.5
102	-9.8	19.4	4.8	12.8	-11.8	15.0	-4.1	14.2	-2.3	8.9	0.9	9.5
103	-10.4	19.7	4.6	12.9	-12.3	15.8	-4.2	13.9	-2.4	9.5	1.2	9.6
104	-9.8	19.4	4.6	13.0	-11.8	15.1	-4.1	14.3	-2.5	9.1	1.0	9.5
105	-9.7	18.0	3.7	12.6	-12.0	14.3	-5.3	14.1	-2.8	9.0	0.8	9.4
106	-9.8	18.9	6.2	13.1	-10.7	14.8	-4.2	14.4	-0.6	9.4	1.4	9.7
107	-42.6	15.6	-0.6	14.9	-41.0	14.8	-8.5	16.4	-13.1	10.3	0.4	12.1

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
108	-40.1	10.8	1.1	12.8	-37.8	9.6	-7.6	15.5	-11.6	7.4	0.3	10.8
109	-44.6	15.9	-1.0	14.8	-42.0	15.0	-10.7	16.2	-13.3	10.3	-0.4	12.1
110	-40.9	15.7	-0.8	14.0	-38.9	14.8	-9.6	15.5	-13.1	9.4	-0.2	11.2
111	-41.9	11.8	-0.7	13.1	-39.8	10.7	-9.4	15.4	-12.9	7.9	-0.3	11.0
112	-45.8	16.2	-1.5	14.9	-42.8	15.6	-12.1	16.0	-13.8	10.6	-0.8	12.0
113	-41.1	15.9	-0.7	14.2	-38.9	14.9	-10.5	15.5	-13.0	9.7	-0.5	11.3
114	-42.7	12.2	-0.5	13.6	-39.8	11.6	-10.4	15.6	-12.9	8.7	-0.5	11.2
115	-45.7	16.3	-0.2	15.3	-41.4	15.9	-12.3	16.1	-12.4	11.1	-0.8	12.2
116	-41.9	15.2	-1.5	13.5	-40.0	14.2	-11.5	15.0	-13.8	9.1	-1.1	11.0
117	-42.9	12.3	-0.5	13.7	-40.1	11.5	-10.8	15.5	-13.1	8.7	-0.7	11.2
118	-33.0	5.7	-0.9	10.4	-34.6	4.6	-21.5	10.3	-10.6	5.8	-8.3	8.0
119	-24.5	9.1	3.5	12.5	-27.8	7.9	-16.8	11.4	-6.3	7.9	-5.6	8.9
120	-31.6	4.5	0.1	10.4	-33.5	3.6	-20.1	10.7	-10.1	5.5	-7.7	8.1
121	-25.3	9.9	3.4	12.6	-29.2	8.4	-16.4	11.6	-6.6	7.8	-5.4	9.0
122	-33.4	7.3	0.5	11.3	-33.5	6.5	-24.0	10.7	-9.2	7.1	-8.6	8.6
123	-25.1	10.0	2.7	12.9	-29.0	8.8	-18.4	12.0	-6.8	8.5	-6.4	9.3
124	-35.1	6.4	-0.7	10.9	-36.7	5.4	-22.9	10.7	-10.8	6.3	-8.6	8.3
125	-24.0	12.3	3.0	13.5	-29.6	10.7	-18.3	12.3	-7.1	8.9	-5.9	9.6
126	-24.5	10.1	2.6	12.6	-29.5	8.9	-16.8	11.7	-7.2	8.0	-5.7	9.1
127	-35.1	7.7	-0.4	11.7	-36.2	6.9	-25.1	11.0	-10.1	7.3	-9.5	8.8
128	-28.3	12.5	1.6	12.4	-29.4	12.2	-12.3	10.9	-10.1	8.4	-4.7	8.5
129	-26.5	10.5	1.2	10.5	-28.7	9.9	-11.9	9.6	-10.1	6.4	-4.9	7.4

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
130	-28.2	12.9	1.8	12.8	-29.5	12.7	-12.9	11.3	-9.5	8.9	-4.6	8.8
131	-26.9	12.6	2.4	12.2	-28.0	12.2	-12.3	10.6	-9.0	8.2	-4.5	8.2
132	-26.8	10.9	2.2	11.3	-27.4	10.6	-12.9	10.0	-9.3	7.2	-5.1	7.8
133	-29.9	12.8	-0.3	12.2	-31.7	12.7	-15.2	10.7	-11.6	8.4	-6.0	8.4
134	-27.3	12.3	1.5	11.6	-29.1	11.7	-13.4	10.3	-9.6	7.7	-5.1	8.0
135	-27.6	10.8	0.3	10.9	-29.0	10.5	-14.1	9.8	-10.7	6.9	-5.7	7.7
136	-29.7	13.1	0.8	12.7	-30.5	13.1	-15.4	11.0	-10.6	9.0	-5.9	8.7
137	-27.6	12.2	1.5	11.6	-29.3	11.7	-14.1	10.2	-9.7	7.7	-5.5	7.9
138	-27.7	11.0	0.3	11.1	-29.1	10.7	-14.4	9.9	-10.7	7.2	-5.8	7.8
139	-38.6	17.2	2.7	16.5	-33.9	17.2	-10.7	16.0	-9.0	11.8	-0.4	12.0
140	-41.6	17.8	1.6	16.8	-35.3	18.3	-14.6	15.7	-9.8	12.4	-1.6	12.0
141	-37.9	17.0	1.6	15.0	-32.9	16.7	-13.4	14.7	-9.8	10.4	-1.6	10.9
142	-38.3	2.7	-3.7	8.3	-42.6	1.1	-1.3	14.5	-18.4	2.0	0.6	9.7
143	-34.4	3.1	-3.1	8.1	-38.3	1.3	0.4	14.5	-17.5	1.7	1.7	9.4
144	-32.7	3.9	-1.5	9.1	-36.1	1.9	1.6	15.3	-16.3	2.0	2.8	10.1
145	-36.2	2.2	-2.9	8.3	-41.2	-0.2	-2.3	13.5	-17.6	1.8	-0.1	9.1
146	-32.8	2.4	-1.5	8.0	-36.3	-0.2	-0.7	13.3	-15.7	1.3	0.9	8.7
147	-31.3	3.9	-0.5	9.6	-35.3	1.1	1.1	14.7	-15.5	2.0	2.4	9.8
148	-53.3	-9.0	-11.0	2.7	-53.9	0.8	9.4	18.2	-12.4	0.2	3.9	10.9
149	-62.1	4.9	-56.5	12.2	-46.8	21.2	13.5	26.7	-5.7	12.4	9.8	16.7
150	-29.5	6.3	0.3	10.0	-39.0	1.7	2.7	16.2	-16.0	2.4	3.5	11.5
151	-26.2	20.9	-0.2	15.0	-27.5	21.4	-2.5	16.3	-12.3	12.2	3.1	12.0

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
152	-22.0	13.8	5.3	13.5	-21.8	12.1	0.5	15.8	-6.1	8.7	3.0	11.6
153	-24.0	15.9	2.1	13.4	-19.2	19.0	-3.9	14.1	-5.6	11.9	1.0	10.1
154	-31.1	9.8	0.6	11.2	-31.1	7.3	-2.6	16.0	-10.7	5.7	1.5	10.6
155	-25.3	15.4	3.9	14.7	-26.3	13.9	-5.0	15.5	-6.6	9.9	1.3	11.3
156	-30.2	19.3	2.4	15.2	-23.2	20.4	-5.4	15.9	-6.1	12.4	2.4	11.7
157	-26.9	14.1	1.9	13.9	-25.1	14.7	-7.2	14.7	-6.9	10.3	0.3	11.0
158	-54.0	-9.6	-58.8	2.7	-54.4	0.2	9.1	18.0	-12.3	0.2	3.9	10.9
159	-53.8	-9.4	-10.8	2.7	-54.3	0.4	9.3	18.1	-12.2	0.3	4.0	11.0
160	-30.1	5.6	0.5	10.0	-39.2	1.2	2.3	16.0	-15.9	2.4	3.5	11.5
161	-24.8	22.7	0.0	15.6	-27.1	22.3	-3.4	16.1	-12.8	12.2	2.6	12.1
162	-22.7	7.1	2.5	10.0	-25.7	4.8	-1.6	13.9	-8.7	4.6	0.2	9.3
163	-27.1	17.7	2.0	14.6	-21.4	19.4	-5.3	15.0	-7.8	11.7	1.1	11.2
164	-30.0	6.6	-1.4	8.6	-33.6	3.6	-3.8	13.5	-12.1	3.3	-0.7	8.5
165	-24.7	8.0	0.5	9.1	-28.3	4.4	-7.3	12.2	-10.6	3.3	-2.1	8.1
166	-37.0	18.5	0.4	15.8	-31.3	20.2	-6.5	17.2	-9.5	12.4	2.0	12.4
167	-29.7	12.3	3.2	14.0	-30.3	11.6	-7.6	15.4	-7.8	9.2	-0.2	11.3
168	-54.5	-10.0	-11.0	2.6	-54.8	-0.1	8.9	17.9	-12.4	0.1	3.8	10.9
169	-54.5	-9.4	-10.9	2.9	-54.5	0.5	9.1	18.0	-12.2	0.5	4.0	11.0
170	-31.4	3.6	-2.5	7.0	-40.8	-1.4	-0.7	13.2	-18.5	-0.4	0.9	8.8
171	-33.3	12.5	-0.3	13.3	-40.4	10.0	0.5	17.7	-17.0	6.8	3.5	12.5
172	-25.6	12.7	3.6	12.6	-23.8	11.0	-2.2	15.8	-8.7	7.3	1.3	11.2
173	-29.3	20.6	4.6	17.3	-27.5	20.5	-3.7	17.8	-7.4	14.1	2.0	13.4

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
174	-25.5	6.7	0.1	8.4	-29.6	3.0	-8.0	11.5	-11.0	2.6	-2.6	7.7
175	-39.5	19.3	1.1	16.7	-37.7	19.3	-5.4	18.9	-11.2	12.3	2.0	13.3
176	-33.4	19.5	1.6	16.2	-32.4	17.7	-9.4	16.2	-10.3	11.1	0.0	11.8
177	-53.9	-9.7	-10.8	3.0	-54.4	0.1	9.2	18.2	-12.2	0.4	4.1	11.2
178	-64.9	14.7	-56.1	16.1	-48.2	26.3	12.1	26.2	-5.9	15.6	10.2	17.6
179	-31.4	3.7	-2.4	7.2	-40.7	-1.3	-0.6	13.3	-18.5	-0.3	1.0	9.0
180	-31.6	4.2	-1.0	8.8	-40.7	-0.2	0.9	14.9	-17.3	1.3	2.3	10.4
181	-29.6	16.9	3.8	15.3	-28.5	15.8	-4.1	17.3	-9.6	10.4	0.6	12.5
182	-29.7	18.2	3.8	16.0	-28.6	17.3	-4.3	17.5	-9.3	11.3	0.8	12.9
183	-29.8	6.4	-0.9	8.9	-33.0	3.5	-3.9	13.7	-11.6	3.6	-0.6	8.8
184	-25.1	6.9	0.1	8.6	-29.3	3.1	-7.8	11.7	-10.9	2.8	-2.3	7.9
185	-38.3	17.8	1.1	16.0	-36.7	16.8	-6.1	18.7	-11.2	11.2	1.6	13.2
186	-31.7	16.2	1.9	14.6	-32.4	12.7	-9.1	15.7	-10.4	8.6	-0.4	11.2
187	-70.5	-6.0	-14.8	5.3	-61.0	5.6	6.9	19.4	-16.0	2.7	3.0	11.9
188	-41.4	7.1	-2.7	11.5	-47.9	4.6	-3.2	16.2	-21.2	3.7	1.2	11.5
189	-34.9	15.3	1.9	14.2	-33.8	14.3	-6.8	17.2	-12.9	8.3	-1.1	11.9
190	-45.6	13.9	-2.1	14.5	-44.2	12.6	-8.5	18.2	-15.3	8.6	-0.2	12.3
191	-38.2	12.4	-0.9	13.4	-39.2	9.1	-11.8	15.3	-13.9	6.6	-2.2	10.6
192	-74.6	-2.5	-63.4	6.9	-62.7	8.2	6.2	20.0	-16.6	4.1	2.9	12.5
193	-43.0	6.8	-4.5	10.7	-50.6	4.3	-4.3	15.9	-23.3	3.1	0.1	10.9
194	-37.7	15.5	1.1	14.3	-36.5	14.6	-8.6	17.2	-14.0	8.5	-2.1	11.8
195	-48.8	13.5	-2.4	13.7	-47.3	12.0	-10.2	17.7	-16.5	7.7	-1.7	11.7

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
196	-41.0	13.0	-1.5	12.8	-42.0	9.1	-13.2	15.1	-15.5	5.7	-3.6	10.1
197	-72.5	6.2	-11.9	10.0	-24.7	14.4	6.0	19.4	-12.7	7.2	4.5	12.5
198	-40.4	13.0	-2.8	13.0	-47.0	11.5	-5.3	14.5	-20.4	7.1	0.5	10.8
199	-35.5	19.3	2.4	16.5	-34.3	18.8	-9.3	16.6	-11.5	12.0	-1.4	12.4
200	-44.6	22.3	-0.3	17.7	-41.1	21.6	-10.5	18.3	-12.8	13.3	0.1	13.5
201	-38.6	17.0	0.2	15.4	-40.1	15.5	-15.7	15.2	-12.2	10.3	-3.6	11.4
202	-62.0	-7.7	-13.8	4.6	-57.6	4.6	7.5	19.5	-14.9	2.2	3.2	12.0
203	-38.7	6.2	-2.5	10.2	-46.1	3.5	-1.4	16.4	-21.1	2.4	1.7	11.3
204	-29.8	9.9	-0.2	11.5	-31.4	9.0	-5.3	15.5	-13.4	5.8	-0.8	10.4
205	-39.4	10.2	-1.0	12.3	-37.7	9.0	-6.1	16.9	-13.8	6.4	0.0	11.2
206	-33.3	9.6	0.8	11.9	-34.6	5.9	-8.2	14.7	-12.5	4.6	-1.3	9.8
207	-65.7	5.9	-57.1	10.4	-53.6	14.0	8.5	20.6	-11.8	6.7	5.1	12.8
208	-33.0	13.7	-0.7	12.8	-39.6	11.7	-2.0	14.5	-17.2	6.9	2.1	10.7
209	-30.3	18.3	3.9	15.6	-30.0	16.7	-6.5	16.0	-9.7	10.6	-0.3	11.7
210	-39.7	18.2	0.1	15.3	-38.2	16.6	-8.6	16.7	-12.4	10.3	0.4	11.7
211	-28.8	18.1	1.5	14.3	-28.1	15.3	-10.2	13.7	-9.4	9.2	-0.7	10.1
212	-59.8	-9.0	-60.1	3.8	-56.1	3.0	9.2	19.7	-14.3	1.1	4.1	12.0
213	-35.4	5.8	-0.6	10.7	-43.2	2.5	1.7	17.0	-19.2	2.3	3.8	12.1
214	-29.5	15.1	4.6	15.4	-28.6	13.9	-1.3	18.3	-9.6	9.2	2.2	13.0
215	-36.5	9.4	1.6	13.4	-36.6	8.1	-2.4	17.5	-11.6	7.0	2.1	11.8
216	-31.5	8.8	1.3	11.6	-33.9	6.1	-7.5	14.7	-12.3	4.4	-1.5	10.0
217	-65.8	-5.9	-12.5	5.5	-57.4	5.6	9.0	20.6	-14.4	2.6	4.1	12.5

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
218	-40.7	5.7	-3.0	9.8	-47.7	2.7	-1.2	15.9	-21.9	1.9	1.9	10.9
219	-33.1	15.8	1.1	14.3	-32.8	14.5	-4.5	17.5	-13.3	8.3	0.0	12.1
220	-39.3	10.2	-0.8	12.8	-38.4	9.2	-6.3	16.9	-13.5	6.7	-0.1	11.4
221	-34.2	10.8	2.0	13.4	-36.5	8.2	-9.1	15.8	-11.6	6.5	-1.9	11.0
222	-68.0	13.4	-9.8	12.2	-53.8	18.7	7.8	20.1	-11.2	9.0	5.9	13.3
223	-41.2	4.9	-3.3	9.7	-48.3	2.2	-1.9	15.7	-22.2	1.8	1.5	10.8
224	-32.5	20.2	3.0	17.0	-32.9	19.0	-5.5	17.5	-11.1	12.2	0.0	12.8
225	-38.2	6.6	-2.2	10.6	-37.8	5.6	-6.6	15.1	-14.3	4.6	-0.7	10.0
226	-38.3	11.4	0.2	13.1	-38.1	8.1	-10.9	15.3	-13.4	6.0	-2.1	10.5
227	-63.0	-6.7	-10.7	5.3	-55.9	4.5	11.2	21.0	-13.6	1.7	5.1	12.5
228	-29.1	4.7	1.9	10.1	-35.2	1.7	4.0	14.5	-14.7	2.4	5.2	11.0
229	-29.3	9.2	1.5	11.2	-30.2	8.0	-1.0	14.5	-11.9	5.1	1.2	9.8
230	-29.2	5.0	-0.3	9.2	-28.7	4.2	-2.1	13.0	-11.0	3.5	0.8	8.4
231	-25.4	10.5	3.0	11.7	-26.6	5.4	-3.6	14.2	-10.5	3.6	1.0	9.2
232	-64.0	-6.0	-11.0	5.6	-56.0	5.1	10.5	20.5	-13.6	2.2	5.0	12.5
233	-36.5	7.6	-0.3	12.0	-44.4	4.5	1.4	17.2	-19.5	3.4	3.9	12.2
234	-31.3	16.7	3.2	15.3	-30.2	15.3	-2.2	18.1	-11.7	8.9	1.6	12.6
235	-37.3	9.5	2.2	14.1	-36.9	8.8	-1.9	17.6	-11.4	7.7	2.1	11.8
236	-28.4	7.4	1.5	10.6	-29.9	4.7	-7.2	13.7	-11.2	3.6	-1.3	9.1
MAXD	-74.6	31.9	-63.4	22.4	-62.7	34.0	-30.7	26.7	-23.3	19.7	10.2	17.6
MD	-33.9	13.2	-3.9	12.9	-32.7	13.6	-5.2	15.9	-9.6	8.8	0.3	11.1

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Table 35 – continued from previous page

N	def2-SVP		def2-TZVP		cc-pVDZ		aug-cc-pVDZ		cc-pVTZ		aug-cc-pVTZ	
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}
MAD	33.9	14.1	7.5	12.9	32.7	13.6	8.4	15.9	9.6	8.8	2.8	11.1

Table 36: Deviation of interaction energy ΔE in kJ/mol to the reference values of the IL-2013 set of selected GGA and meta-GGA functionals in combination with the 6-31++G** basis set. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation;

	BLYP-D3		BP86-D3		PBE-D3		TPSS-D3		LC-BOP	M06-L
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}
1	1.9	6.5	-5.3	-0.9	-5.3	-0.6	4.2	8.8	-1.9	-5.1
2	0.0	4.9	-7.7	-3.0	-7.5	-2.4	3.0	7.9	-3.2	-7.0
3	1.1	5.9	-6.1	-1.6	-6.2	-1.2	3.3	8.1	-2.9	-4.6
4	-0.2	4.9	-8.1	-3.2	-7.8	-2.5	2.9	8.0	-3.6	-7.6
5	0.0	5.3	-7.5	-2.4	-7.2	-1.8	3.0	8.2	-3.5	-6.3
6	-0.5	4.7	-8.5	-3.5	-8.1	-2.7	2.8	8.0	-4.3	-8.7
7	0.1	5.2	-7.4	-2.6	-7.1	-1.8	3.3	8.2	-3.9	-6.5
8	9.2	11.1	3.0	4.8	0.2	2.1	4.2	6.0	13.8	-0.1
9	10.1	12.0	4.1	5.9	1.2	3.1	5.0	6.8	13.2	-1.9
10	10.8	12.5	3.8	5.5	0.1	1.8	4.9	6.5	7.8	-1.1
11	11.7	13.4	5.0	6.6	1.5	3.2	5.9	7.4	8.6	-1.2
12	9.4	11.4	3.3	5.2	0.6	2.6	4.3	6.2	13.3	0.1
13	11.3	13.4	5.5	7.4	2.6	4.7	6.1	8.1	14.0	-0.3
14	10.5	12.4	3.8	5.5	0.1	1.8	4.8	6.4	7.3	-0.7
15	12.2	14.1	5.6	7.2	2.3	4.0	6.4	8.0	8.7	-2.1
16	10.6	12.7	5.1	7.1	2.4	4.5	5.7	7.7	13.9	0.6
17	11.5	13.6	5.8	7.7	2.9	4.9	6.4	8.3	13.4	-0.5
18	10.9	12.7	4.2	5.9	0.4	2.2	5.0	6.6	7.1	-0.5
19	11.9	13.8	5.3	7.0	2.1	3.9	6.2	7.9	8.4	-2.8
20	10.6	12.8	5.2	7.2	2.6	4.7	5.8	7.8	13.5	0.4
21	7.6	10.6	-1.2	1.7	-0.5	2.6	7.9	10.7	5.9	1.2
22	6.7	8.8	-1.1	0.9	-2.8	-0.6	4.8	6.8	8.2	3.5
23	7.2	10.7	0.3	3.5	0.7	4.1	7.7	10.8	4.2	1.0
24	6.8	10.0	-0.6	2.4	-0.2	2.9	7.1	9.9	4.6	0.6
25	6.2	9.5	-1.5	1.6	-0.8	2.4	6.7	9.6	6.2	0.3
26	7.1	10.4	-1.6	1.5	-0.8	2.5	7.2	10.1	5.0	1.7
27	6.8	10.2	-1.7	1.4	-0.9	2.4	7.2	10.1	4.9	1.3
28	7.8	11.1	-0.6	2.5	0.3	3.5	8.4	11.3	5.0	1.9

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Table 36 – continued from previous page

	BLYP-D3		BP86-D3		PBE-D3		TPSS-D3		LC-BOP	M06-L
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}
29	6.8	10.5	-0.2	3.2	0.4	4.0	7.4	10.6	3.7	1.1
30	5.6	9.3	-1.4	2.1	-0.6	3.1	6.2	9.5	2.9	-0.3
31	7.0	10.0	-1.2	1.6	-1.8	1.0	6.1	8.7	6.7	1.9
32	6.3	9.9	-2.3	1.1	-1.2	2.3	7.0	10.2	4.9	0.0
33	6.6	10.3	-1.6	1.9	-0.4	3.3	7.3	10.6	2.7	2.0
34	7.9	11.3	-0.3	2.9	0.7	4.0	8.6	11.6	4.4	2.0
35	7.7	11.5	0.7	4.3	1.4	5.0	8.2	11.5	4.1	2.3
36	7.6	11.3	-1.0	2.5	0.3	3.9	8.5	11.7	5.8	1.4
37	7.7	11.5	-0.5	3.0	0.7	4.4	8.4	11.8	3.4	3.0
38	-2.7	4.1	-0.4	6.3	-0.4	6.7	-1.0	6.0	-6.5	-3.7
39	-4.2	3.1	-1.7	5.4	-1.7	5.9	-2.5	4.7	-5.8	-6.1
40	-3.0	4.3	-0.6	6.5	-0.5	7.1	-1.3	6.0	-7.5	-3.0
41	-4.1	3.5	-1.6	5.8	-1.6	6.4	-2.6	5.0	-6.1	-7.0
42	-2.9	4.7	-0.5	6.9	-0.2	7.6	-1.2	6.4	-8.0	-2.9
43	-4.3	3.7	-1.7	6.1	-1.5	6.7	-2.9	5.0	-6.4	-7.0
44	-3.2	4.5	-0.8	6.7	-0.5	7.4	-1.4	6.2	-8.7	-3.3
45	-14.1	-2.5	-9.8	2.0	-10.0	2.4	-9.9	2.4	-12.4	-7.6
46	-15.1	-6.3	-14.1	-5.1	-16.4	-6.8	-15.3	-5.9	-14.7	-6.8
47	-7.0	1.2	-3.1	5.2	-5.3	3.5	-4.5	4.2	-8.3	-3.9
48	-17.2	-4.3	-11.5	1.5	-11.8	2.0	-12.0	1.7	-14.8	-11.3
49	-17.7	-6.7	-15.5	-4.3	-17.7	-6.0	-16.7	-5.1	-16.7	-9.4
50	-8.8	0.2	-4.6	4.4	-6.8	2.8	-6.0	3.4	-9.7	-5.8
51	-13.9	-2.2	-9.6	2.4	-9.9	2.8	-8.8	3.6	-13.9	-6.6
52	-18.7	-4.9	-12.9	1.0	-12.8	1.9	-13.3	1.3	-15.8	-12.5
53	-19.1	-7.4	-16.1	-4.3	-18.2	-5.8	-17.3	-5.0	-17.5	-9.1
54	-9.7	-0.2	-5.1	4.3	-7.2	2.8	-6.7	3.1	-10.6	-5.2
55	-14.0	-1.8	-9.3	3.1	-9.6	3.5	-8.7	4.2	-13.9	-5.5
56	-2.6	2.9	-4.9	0.5	-5.2	0.4	1.4	6.8	-3.8	-2.3
57	-4.9	1.2	-7.6	-1.5	-7.6	-1.3	0.1	6.3	-5.5	-5.5
58	-3.2	2.6	-5.6	0.1	-5.8	0.1	0.8	6.5	-5.2	-3.0
59	-6.1	0.2	-6.9	-0.7	-7.5	-1.0	-0.3	6.0	-6.2	-3.1
60	-3.4	2.5	-5.8	0.1	-5.9	0.1	0.7	6.6	-5.8	-3.2

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Table 36 – continued from previous page

	BLYP-D3		BP86-D3		PBE-D3		TPSS-D3		LC-BOP	M06-L
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}
61	-6.1	0.8	-8.9	-2.1	-8.8	-1.7	-0.8	6.0	-6.8	-7.1
62	-3.6	2.4	-5.9	0.0	-6.0	0.1	0.6	6.5	-6.1	-2.9
63	-3.4	4.7	0.5	8.3	1.3	9.5	-0.8	7.0	-6.8	-3.8
64	-5.5	-2.2	-11.9	-8.8	-12.1	-8.7	-2.9	0.4	-2.9	-8.7
65	-5.8	-2.6	-12.3	-9.3	-12.7	-9.5	-4.1	-1.0	-3.4	-9.0
66	-5.6	-2.1	-11.7	-8.5	-12.0	-8.4	-3.1	0.4	-3.8	-8.8
67	-4.3	-1.1	-9.7	-6.7	-11.0	-7.7	-2.8	0.5	-3.6	-6.8
68	-5.6	-2.2	-11.8	-8.5	-12.3	-8.9	-4.0	-0.7	-3.8	-8.5
69	-6.4	-2.7	-12.6	-9.0	-12.9	-9.0	-3.9	-0.2	-4.9	-10.1
70	-5.2	-1.7	-10.6	-7.3	-11.8	-8.2	-3.5	0.0	-4.5	-7.2
71	-6.2	-2.8	-12.3	-9.0	-12.9	-9.3	-4.6	-1.2	-5.0	-9.0
72	-6.0	-2.3	-12.1	-8.6	-12.4	-8.6	-3.5	0.2	-4.8	-9.5
73	-5.2	-1.6	-10.5	-7.1	-11.8	-8.1	-3.5	0.0	-4.9	-7.0
74	-6.3	-2.7	-12.4	-9.0	-13.0	-9.3	-4.6	-1.1	-5.3	-9.1
75	8.6	10.3	2.3	3.8	-0.7	0.9	2.8	4.3	9.0	-4.8
76	8.2	10.1	2.9	4.6	0.1	1.9	2.6	4.3	7.5	-4.3
77	7.6	9.3	2.3	3.9	-0.7	0.9	2.5	4.0	7.8	-4.6
78	8.8	10.4	2.8	4.3	-0.1	1.4	2.8	4.3	8.2	-3.9
79	8.1	10.1	3.0	4.8	0.1	2.0	2.5	4.3	6.7	-4.8
80	7.9	9.7	3.0	4.6	0.0	1.6	3.1	4.6	7.7	-3.7
81	8.4	10.2	2.6	4.2	-0.4	1.4	2.5	4.1	7.3	-4.4
82	8.8	10.8	3.6	5.5	0.8	2.7	3.2	5.0	7.0	-4.1
83	8.3	10.1	3.3	4.8	0.1	1.8	3.2	4.7	7.5	-3.7
84	9.0	10.9	3.3	5.0	0.3	2.1	3.2	4.9	7.6	-3.6
85	-1.1	0.9	-4.9	-3.1	-6.5	-4.7	-1.1	0.5	3.4	-2.8
86	-0.4	1.8	-5.6	-3.6	-6.2	-4.3	0.3	2.1	4.6	-4.4
87	3.1	5.4	-1.4	0.6	-1.9	0.2	3.4	5.3	0.4	1.7
88	-0.2	2.0	-6.2	-4.3	-6.4	-4.6	0.3	1.9	3.5	-3.8
89	-1.7	0.5	-4.8	-2.9	-6.5	-4.5	-1.6	0.1	2.4	-2.2
90	-0.2	1.8	-4.8	-3.0	-5.8	-4.0	0.4	2.0	3.7	-3.5
91	-1.9	0.6	-5.0	-2.9	-6.7	-4.5	-1.8	0.1	2.4	-2.2
92	-0.1	2.0	-4.7	-2.8	-5.7	-3.9	0.5	2.1	3.8	-3.4

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Table 36 – continued from previous page

	BLYP-D3		BP86-D3		PBE-D3		TPSS-D3		LC-BOP	M06-L
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}
93	-0.6	1.8	-5.4	-3.4	-6.0	-4.0	0.0	1.8	4.0	-3.9
94	-0.4	1.8	-5.3	-3.3	-5.8	-3.9	0.2	1.9	4.0	-3.8
95	-0.1	2.1	-1.9	0.0	-4.0	-2.1	0.5	2.2	2.7	-2.4
96	0.1	2.6	-4.3	-2.2	-5.3	-3.2	0.9	2.7	3.8	-2.6
97	0.2	2.5	-1.8	0.2	-3.7	-1.8	1.0	2.7	2.8	-2.2
98	4.0	6.7	0.1	2.6	-0.7	1.8	3.9	6.1	-0.1	2.9
99	0.0	2.6	-3.1	-0.7	-4.4	-2.1	0.2	2.3	2.7	-3.4
100	0.1	2.6	-4.4	-2.2	-5.1	-2.9	0.9	2.7	4.0	-3.1
101	-0.6	2.1	-3.7	-1.4	-4.3	-2.1	-0.2	1.8	2.4	-3.0
102	0.0	2.4	-4.3	-2.2	-5.3	-3.2	0.8	2.6	3.4	-2.5
103	0.0	2.5	-2.0	0.1	-3.8	-1.8	1.0	2.8	2.7	-2.1
104	0.2	2.5	-4.1	-2.2	-5.1	-3.2	1.0	2.6	3.4	-2.5
105	-0.5	2.3	-5.7	-3.3	-5.8	-3.5	0.0	2.0	1.8	-2.2
106	0.2	2.5	-4.4	-2.4	-5.0	-3.0	0.9	2.7	3.6	-3.1
107	-7.9	-2.6	-6.0	-1.0	-6.7	-1.3	-6.8	-1.6	-6.6	-7.1
108	-6.7	-2.0	-6.9	-2.3	-8.1	-3.3	-7.3	-2.5	-6.8	-6.1
109	-8.4	-2.5	-6.0	-0.4	-6.6	-0.6	-7.4	-1.6	-7.2	-7.7
110	-6.7	-1.2	-4.3	1.0	-5.6	0.0	-6.2	-0.8	-6.8	-6.5
111	-7.0	-1.8	-6.5	-1.5	-7.5	-2.2	-7.5	-2.4	-7.0	-6.4
112	-8.3	-2.4	-5.5	0.2	-6.1	0.0	-7.3	-1.4	-7.7	-8.8
113	-6.9	-1.3	-4.4	1.0	-5.7	0.0	-6.5	-1.0	-7.3	-6.1
114	-7.3	-1.6	-6.3	-0.8	-7.4	-1.7	-7.7	-2.2	-7.7	-6.6
115	-8.2	-2.2	-5.3	0.5	-5.9	0.3	-7.1	-1.2	-7.7	-8.5
116	-7.3	-1.6	-4.5	0.9	-5.9	-0.1	-6.8	-1.3	-8.2	-6.4
117	-7.6	-1.7	-6.4	-0.8	-7.6	-1.6	-7.9	-2.2	-8.1	-6.4
118	-17.1	-9.1	-12.8	-4.7	-14.5	-6.1	-14.6	-6.2	-13.9	-10.1
119	-12.1	-4.6	-6.6	0.9	-8.6	-1.0	-9.7	-2.2	-9.5	-7.0
120	-17.0	-8.8	-13.4	-5.1	-15.6	-7.0	-15.6	-7.1	-15.2	-11.2
121	-12.6	-5.0	-7.2	0.3	-9.2	-1.5	-9.8	-2.2	-9.9	-7.4
122	-16.0	-7.4	-11.6	-3.0	-13.5	-4.5	-13.8	-4.9	-13.7	-10.3
123	-11.7	-4.0	-5.5	2.2	-8.5	-0.6	-10.2	-2.4	-10.7	-6.6
124	-17.7	-9.4	-12.8	-4.4	-14.8	-6.1	-14.7	-6.0	-14.6	-9.0

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Table 36 – continued from previous page

	BLYP-D3		BP86-D3		PBE-D3		TPSS-D3		LC-BOP	M06-L
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}
125	-12.3	-4.6	-5.4	2.2	-8.2	-0.3	-9.0	-1.2	-10.5	-6.8
126	-12.4	-4.5	-6.4	1.3	-8.9	-0.9	-9.6	-1.7	-10.7	-6.9
127	-17.4	-8.5	-12.0	-3.1	-14.1	-4.8	-14.3	-5.1	-14.8	-9.3
128	-9.0	-5.1	-10.5	-6.6	-11.4	-7.4	-5.3	-1.4	-5.8	-6.8
129	-9.2	-5.3	-11.2	-7.2	-12.2	-8.2	-6.2	-2.2	-6.2	-7.0
130	-9.0	-4.7	-9.9	-5.7	-11.0	-6.7	-5.3	-1.1	-6.2	-4.8
131	-7.7	-3.9	-8.4	-4.5	-10.2	-6.3	-4.8	-0.8	-5.7	-5.6
132	-9.1	-5.0	-10.7	-6.6	-11.8	-7.6	-6.2	-2.1	-6.5	-6.6
133	-10.0	-5.5	-11.1	-6.6	-12.1	-7.4	-6.3	-1.8	-7.3	-7.6
134	-8.5	-4.3	-9.1	-4.9	-10.9	-6.6	-5.5	-1.3	-6.6	-5.0
135	-9.8	-5.3	-11.2	-6.8	-12.3	-7.8	-6.8	-2.4	-7.3	-7.1
136	-9.7	-5.2	-10.8	-6.3	-11.7	-7.1	-6.0	-1.5	-7.3	-6.7
137	-8.8	-4.4	-9.2	-4.9	-11.0	-6.6	-5.7	-1.4	-7.2	-4.9
138	-9.8	-5.2	-11.3	-6.7	-12.3	-7.6	-6.7	-2.2	-7.5	-6.9
139	-7.4	-2.0	-4.2	1.1	-4.7	0.8	-5.4	-0.1	-8.1	-4.5
140	-7.9	-1.6	-3.8	2.3	-4.2	2.2	-5.9	0.2	-8.9	-5.4
141	-6.8	-1.0	-3.0	2.5	-4.1	1.7	-5.5	0.1	-9.0	-4.3
142	-2.3	0.8	-6.5	-3.5	-7.5	-4.3	-4.1	-1.0	-3.9	-3.5
143	-1.4	1.5	-5.1	-2.3	-6.6	-3.5	-3.8	-0.8	-3.7	-3.8
144	-0.8	1.8	-4.2	-1.7	-5.6	-2.8	-3.1	-0.3	-1.8	-3.4
145	-3.9	-1.0	-7.8	-5.0	-8.9	-5.8	-4.8	-1.7	-2.9	-4.2
146	-3.0	-0.4	-6.3	-3.8	-7.9	-5.1	-4.3	-1.6	-2.5	-4.7
147	-2.0	0.5	-5.6	-3.1	-6.9	-4.2	-3.5	-0.8	-0.5	-4.1
148	14.4	15.9	8.1	9.5	3.9	5.4	8.3	9.7	11.8	8.8
149	4.5	6.3	-3.1	-1.5	-6.7	-4.9	-2.2	-0.5	11.1	-1.8
150	7.4	10.2	1.1	4.1	-1.5	1.9	2.0	5.3	6.1	2.0
151	4.5	8.6	2.7	6.9	1.2	6.0	4.1	9.0	4.7	-0.1
152	0.7	4.6	-0.5	3.3	-2.6	1.6	-1.4	2.8	2.7	-0.3
153	-2.9	1.9	1.6	6.4	-0.6	4.6	-1.7	3.4	0.7	2.5
154	0.7	5.2	-2.4	2.1	-3.9	1.0	-2.4	2.4	-3.4	0.3
155	-2.4	2.5	-2.1	2.7	-3.9	1.3	-2.5	2.7	-2.3	-2.8
156	-0.6	4.3	0.0	4.8	-0.8	4.3	-1.1	3.9	-2.2	-3.0

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Table 36 – continued from previous page

	BLYP-D3		BP86-D3		PBE-D3		TPSS-D3		LC-BOP	M06-L
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}
157	-3.8	1.9	-3.4	2.4	-5.5	0.6	-3.1	2.9	-4.0	-3.1
158	14.3	15.9	8.2	9.6	4.0	5.5	8.3	9.7	11.0	8.6
159	14.0	15.5	7.9	9.3	3.7	5.2	8.0	9.4	11.0	8.3
160	7.4	10.3	1.3	4.3	-1.3	2.0	2.1	5.4	5.4	1.9
161	7.8	12.2	5.9	10.4	4.2	9.3	7.2	12.4	6.9	1.0
162	1.0	5.1	-0.8	3.4	-3.3	1.2	-1.6	3.0	2.7	2.4
163	-0.9	4.2	1.4	6.5	-0.2	5.3	-0.7	4.8	0.9	-1.0
164	-0.8	4.0	-3.7	1.2	-5.6	-0.4	-4.0	1.1	-3.6	-0.1
165	-2.5	2.3	-4.8	0.1	-6.9	-1.7	-4.4	0.8	-0.6	-0.7
166	-1.7	4.2	-0.6	5.1	-1.8	4.4	-2.4	3.6	-5.7	-3.5
167	-4.5	1.2	-4.3	1.3	-6.3	-0.3	-4.8	1.2	-2.8	-2.8
168	14.5	16.0	8.3	9.8	4.2	5.8	8.4	9.9	10.7	8.7
169	14.4	15.9	8.3	9.7	4.1	5.6	8.3	9.7	11.1	8.5
170	5.6	8.5	-0.3	2.7	-3.0	0.4	0.6	3.9	5.5	0.6
171	3.0	6.7	-1.8	2.1	-4.5	-0.2	-1.3	3.0	4.6	-1.4
172	0.1	4.8	-1.1	3.6	-2.9	2.2	-1.5	3.6	3.9	1.5
173	-3.0	2.2	0.3	5.3	-2.1	3.3	-2.7	2.7	0.6	-1.7
174	-2.4	2.6	-4.7	0.3	-6.8	-1.4	-4.4	1.0	-1.2	-1.1
175	-3.1	3.4	-2.6	3.8	-4.3	2.6	-4.0	2.8	-6.8	-2.9
176	-4.7	1.5	-3.2	3.0	-4.8	1.9	-3.6	3.0	-3.2	-2.7
177	14.8	16.4	8.6	10.1	4.5	6.1	8.8	10.2	10.8	9.0
178	6.2	8.3	0.3	2.3	-2.9	-0.8	0.5	2.4	11.9	-2.6
179	5.8	8.7	-0.1	2.9	-2.8	0.6	0.8	4.1	5.4	0.7
180	6.4	9.3	0.3	3.3	-2.2	1.2	1.1	4.5	3.8	0.9
181	-2.8	3.0	-2.0	3.9	-4.2	2.2	-3.6	2.7	1.4	-0.2
182	-2.8	3.1	-1.7	4.3	-3.8	2.6	-3.4	3.1	1.4	-0.4
183	-0.1	4.9	-3.0	2.1	-4.9	0.5	-3.4	2.0	-3.7	0.3
184	-2.0	3.0	-4.3	0.7	-6.4	-1.0	-4.0	1.4	-1.0	-0.9
185	-2.3	4.3	-2.5	3.8	-4.2	2.7	-3.9	2.8	-6.1	-2.2
186	-3.4	2.6	-3.3	2.6	-5.2	1.2	-3.6	2.7	-2.1	-1.3
187	9.0	10.8	3.6	5.3	0.3	2.1	5.8	7.5	7.2	4.1
188	1.9	5.5	-1.7	2.1	-3.5	0.7	0.1	4.2	4.2	-2.7

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Table 36 – continued from previous page

	BLYP-D3		BP86-D3		PBE-D3		TPSS-D3		LC-BOP	M06-L
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}
189	-6.1	-0.6	-4.6	0.9	-5.9	0.1	-5.0	0.9	2.8	-2.7
190	-8.8	-2.8	-7.4	-1.5	-7.7	-1.4	-6.7	-0.6	-6.5	-4.2
191	-9.6	-3.8	-8.3	-2.5	-8.9	-2.7	-7.0	-0.8	-3.1	-3.6
192	9.1	11.2	4.0	5.9	0.9	3.0	6.1	8.0	6.6	2.6
193	0.8	4.8	-2.8	1.3	-4.7	-0.1	-0.9	3.6	2.4	-3.6
194	-7.9	-1.8	-5.4	0.7	-6.5	0.1	-5.9	0.6	1.2	-3.3
195	-9.9	-3.4	-8.3	-1.9	-8.5	-1.7	-7.8	-1.3	-8.1	-5.9
196	-10.8	-4.8	-8.8	-2.8	-9.4	-3.0	-7.8	-1.6	-4.3	-4.9
197	10.2	12.1	4.3	6.1	2.0	3.9	4.7	6.4	10.2	-3.8
198	2.2	6.0	-0.8	3.1	-2.2	2.1	-0.2	4.1	3.3	-7.7
199	-5.7	0.0	-2.3	3.4	-3.6	2.5	-4.3	1.6	1.8	-5.5
200	-7.6	-1.1	-5.2	1.0	-5.0	1.6	-5.9	0.5	-4.7	-8.9
201	-10.2	-3.5	-7.5	-0.9	-8.3	-1.4	-7.0	-0.3	-3.8	-8.8
202	9.0	10.9	3.6	5.3	0.0	1.8	5.8	7.5	5.6	5.3
203	0.8	4.2	-4.2	-0.7	-6.1	-2.3	-2.0	1.8	2.3	-3.3
204	-4.6	-0.1	-4.7	-0.2	-6.3	-1.5	-4.9	-0.1	1.4	-1.2
205	-6.7	-1.5	-7.4	-2.3	-8.2	-2.8	-6.9	-1.6	-7.4	-4.2
206	-8.2	-3.5	-8.3	-3.6	-9.4	-4.4	-6.8	-1.8	-2.6	-1.7
207	8.4	10.2	2.2	3.8	-0.6	1.1	2.9	4.5	9.6	-4.9
208	2.0	5.4	-1.0	2.4	-2.7	1.0	-0.3	3.4	3.5	-6.3
209	-5.7	-1.3	-3.5	0.9	-4.9	-0.3	-5.1	-0.3	1.0	-5.1
210	-6.7	-1.6	-5.7	-0.9	-6.4	-1.2	-6.7	-1.7	-5.8	-8.2
211	-6.3	-1.6	-4.6	0.0	-5.3	-0.5	-4.5	0.2	-1.5	-5.8
212	9.6	11.2	4.5	5.9	0.5	2.1	6.0	7.5	7.8	7.1
213	3.3	6.2	-1.9	1.1	-4.0	-0.7	-0.5	2.9	5.2	0.0
214	-3.4	1.1	-2.9	1.6	-4.6	0.3	-4.0	0.9	5.1	-0.7
215	-2.5	2.2	-5.4	-0.8	-6.6	-1.6	-5.3	-0.4	-3.6	-2.1
216	-6.5	-1.8	-8.1	-3.4	-9.7	-4.6	-7.1	-2.1	-2.0	-3.2
217	9.7	11.4	4.2	5.8	0.5	2.3	5.8	7.5	8.3	5.1
218	1.1	4.6	-3.9	-0.3	-5.8	-1.8	-2.3	1.6	2.8	-2.5
219	-5.4	-0.4	-4.8	0.3	-6.1	-0.6	-5.5	0.0	3.1	-3.7
220	-6.4	-0.9	-7.2	-1.8	-8.2	-2.4	-7.6	-1.9	-6.4	-5.1

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Table 36 – continued from previous page

	BLYP-D3		BP86-D3		PBE-D3		TPSS-D3		LC-BOP	M06-L
	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}
221	-7.2	-1.8	-7.9	-2.4	-9.8	-4.0	-7.0	-1.2	-3.7	-5.0
222	11.2	12.8	5.8	7.2	3.1	4.7	6.4	7.8	13.9	-3.5
223	1.6	5.2	-3.3	0.4	-5.1	-1.0	-1.9	2.1	1.9	-1.9
224	-6.7	-1.8	-3.4	1.5	-5.1	0.3	-5.1	0.3	1.0	-3.8
225	-3.9	1.4	-4.9	0.4	-6.0	-0.4	-5.7	-0.3	-6.9	-2.8
226	-8.6	-2.8	-8.4	-2.7	-9.0	-2.8	-7.6	-1.5	-4.3	-4.0
227	9.9	11.3	4.8	6.1	0.8	2.2	6.0	7.3	10.9	6.6
228	1.9	4.2	-2.0	0.4	-4.3	-1.6	-1.3	1.5	6.5	-0.4
229	-3.4	0.0	-2.9	0.5	-5.0	-1.1	-4.0	0.0	4.3	0.1
230	-4.0	-0.1	-4.6	-0.7	-6.5	-2.5	-5.3	-1.3	-4.3	-0.7
231	-1.3	2.1	-3.2	0.2	-4.8	-1.1	-2.6	1.1	3.6	0.1
232	10.3	11.7	5.5	6.8	1.6	3.0	6.4	7.8	10.5	6.0
233	3.4	6.6	-0.8	2.5	-2.9	0.7	-0.1	3.5	5.3	-1.5
234	-2.9	1.5	-2.1	2.3	-3.6	1.3	-3.0	1.8	5.7	-1.9
235	-3.8	1.3	-4.6	0.4	-6.0	-0.7	-5.9	-0.7	-4.9	-3.9
236	-5.6	-1.0	-6.9	-2.2	-8.7	-3.8	-6.3	-1.4	-1.3	-3.4
MAXD	-19.1	16.4	-16.1	10.4	-18.2	-9.5	-17.3	12.4	-17.5	-12.5
MD	-1.1	3.3	-3.4	0.8	-4.9	-0.3	-1.5	2.9	-0.4	-3.1
MAD	6.4	5.4	5.1	3.5	5.4	3.2	4.8	4.0	6.1	4.2

Table 37: Deviation of interaction energy ΔE in kJ/mol to the reference values of the IL-2013 set of selected hybrid functionals in combination with the 6-31++G** basis set. E_{NCP} : without counter poise correction; E_{CP} : with counter poise correction; MAXD: maximum deviation; MD: mean deviation; MAD: mean absolute deviation;

	B3LYP-D3		M05-2X	M06	M06-2X	M08-SO	M08-HX
	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}
1	-9.4	-4.9	0.4	1.7	-9.2	-4.4	-6.1
2	-12.2	-7.4	-0.3	-0.3	-10.2	-5.5	-7.2
3	-10.2	-5.6	-0.1	1.0	-9.0	-4.1	-6.0
4	-12.8	-7.9	-0.3	-0.9	-10.4	-5.3	-7.0
5	-11.8	-6.8	-0.1	0.4	-10.1	-5.0	-6.8

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Table 37 – continued from previous page

	B3LYP-D3		M05-2X	M06	M06-2X	M08-SO	M08-HX
	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}
6	-13.3	-8.3	-1.0	-2.1	-11.2	-5.9	-7.7
7	-11.9	-7.1	-0.3	0.5	-10.2	-5.1	-7.0
8	11.4	13.2	9.7	-1.3	5.2	0.2	3.1
9	12.1	13.9	10.7	-2.4	5.0	-0.8	2.2
10	9.9	11.6	11.2	1.7	5.6	5.6	3.5
11	10.8	12.4	11.6	1.5	5.8	4.8	3.4
12	11.5	13.4	9.7	-0.7	5.1	0.0	3.0
13	13.3	15.3	12.0	-0.8	6.3	0.5	3.5
14	9.6	11.4	11.1	2.0	5.7	5.7	3.5
15	11.4	13.2	11.5	0.8	5.0	3.3	2.3
16	13.1	15.1	10.6	-0.1	5.5	0.5	3.4
17	13.4	15.4	11.8	-0.9	6.2	0.3	3.4
18	9.9	11.7	11.2	2.5	5.8	6.1	4.0
19	11.1	12.9	11.2	0.5	4.5	2.7	1.8
20	13.1	15.1	10.6	0.0	5.4	0.2	3.2
21	2.7	5.6	10.0	5.0	-0.4	-1.2	-1.4
22	2.4	4.6	11.1	4.7	5.6	4.7	4.0
23	3.4	6.6	10.0	3.4	0.0	-1.0	-1.2
24	2.5	5.5	10.2	5.1	0.2	-0.5	-1.1
25	2.2	5.3	10.4	3.2	0.3	-1.0	-1.1
26	1.8	4.9	9.9	5.3	0.3	-0.5	-0.5
27	2.0	5.2	9.6	4.5	-0.5	-1.5	-1.3
28	2.8	5.9	9.6	5.2	-0.8	-1.3	-1.6
29	2.9	6.3	10.0	3.5	-0.1	-1.2	-1.3
30	2.1	5.5	10.1	4.5	-1.2	-1.9	-2.7
31	2.1	4.9	10.3	4.0	2.2	1.9	0.9
32	1.2	4.5	10.4	2.8	-0.6	-1.4	-1.4
33	1.8	5.2	9.5	5.9	-1.1	-1.5	-1.8
34	2.9	6.0	9.5	5.2	-0.9	-1.3	-1.7
35	3.7	7.2	11.2	4.8	1.1	0.0	-0.2
36	2.4	5.8	12.0	4.3	0.7	-0.1	-0.1
37	2.7	6.2	10.3	7.1	-0.4	-0.7	-1.2

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Table 37 – continued from previous page

	B3LYP-D3		M05-2X	M06	M06-2X	M08-SO	M08-HX
	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}
38	-2.1	4.6	-1.4	-0.8	-10.9	-10.5	-10.2
39	-2.5	4.6	-1.1	-1.8	-11.6	-11.2	-11.4
40	-2.4	4.7	-1.7	-0.8	-11.0	-10.7	-10.3
41	-2.5	5.0	-1.2	-2.4	-12.1	-12.0	-12.1
42	-2.3	5.0	-1.6	-0.7	-11.0	-10.6	-10.3
43	-2.7	5.1	-0.8	-1.5	-12.0	-11.8	-12.1
44	-2.7	4.7	-2.1	-1.4	-11.4	-11.0	-10.7
45	-12.6	-0.7	-1.7	-3.2	-13.5	-13.0	-15.7
46	-14.3	-5.0	-1.7	-5.0	-6.2	-2.7	-5.2
47	-8.6	-0.2	0.0	-1.1	-8.0	-6.7	-6.8
48	-15.0	-1.8	-2.1	-7.4	-14.9	-14.4	-16.3
49	-17.0	-5.6	-3.1	-7.0	-9.0	-6.0	-8.6
50	-10.3	-1.2	-0.2	-2.7	-9.0	-7.8	-8.2
51	-13.4	-1.4	-2.2	-4.1	-13.7	-12.9	-15.9
52	-16.3	-2.3	-2.0	-7.0	-15.5	-15.4	-17.5
53	-18.1	-6.1	-2.6	-6.9	-9.0	-6.5	-9.2
54	-11.0	-1.5	0.1	-2.2	-8.7	-7.4	-8.1
55	-13.5	-1.1	-1.4	-2.9	-13.2	-12.0	-15.6
56	-10.1	-4.8	1.4	3.1	-7.7	-3.6	-5.7
57	-13.4	-7.3	0.4	-0.2	-9.5	-5.5	-7.4
58	-10.9	-5.2	0.4	2.0	-8.6	-4.4	-6.6
59	-12.9	-6.8	1.5	1.2	-7.8	-4.3	-6.2
60	-11.2	-5.4	0.3	1.8	-8.7	-4.5	-6.7
61	-15.2	-8.5	0.2	-1.6	-10.3	-5.4	-7.2
62	-11.4	-5.6	0.4	2.5	-8.7	-4.4	-6.9
63	-2.7	5.2	-0.7	-0.4	-11.7	-12.4	-11.8
64	-13.8	-10.5	-0.8	-3.1	-8.1	-3.5	-5.4
65	-13.3	-10.2	-1.5	-4.2	-7.9	-3.1	-4.9
66	-14.0	-10.6	-1.0	-3.2	-8.2	-3.2	-4.9
67	-11.7	-8.6	0.1	-2.1	-5.8	-2.2	-3.4
68	-13.0	-9.7	-1.1	-3.9	-7.3	-2.5	-4.1
69	-15.1	-11.4	-1.6	-4.2	-9.0	-3.9	-5.3

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Table 37 – continued from previous page

	B3LYP-D3		M05-2X	M06	M06-2X	M08-SO	M08-HX
	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}
70	-12.6	-9.2	-0.6	-2.5	-6.5	-2.6	-4.1
71	-13.8	-10.4	-1.2	-4.1	-7.5	-2.7	-4.0
72	-14.8	-11.1	-1.4	-3.9	-8.6	-3.2	-4.8
73	-12.7	-9.2	-0.4	-2.2	-6.2	-2.4	-3.8
74	-14.0	-10.5	-1.4	-4.3	-7.6	-2.7	-4.2
75	9.0	10.6	9.8	-0.4	3.9	-1.5	-1.1
76	9.0	10.7	9.0	-0.4	3.3	-2.3	-1.0
77	8.7	10.3	10.1	-0.7	3.9	-0.6	-0.3
78	9.1	10.7	9.8	0.6	4.2	-1.3	-0.6
79	8.9	10.8	8.8	-1.0	2.9	-2.5	-1.0
80	9.2	10.8	10.3	-0.1	4.2	-0.3	0.1
81	8.7	10.4	9.4	0.2	3.8	-1.6	-0.8
82	9.5	11.4	9.3	-0.4	3.5	-1.9	-0.5
83	9.4	11.0	10.6	0.2	4.5	0.0	0.6
84	9.3	11.1	9.9	0.8	4.4	-0.9	-0.2
85	-1.7	0.1	7.3	-0.2	1.6	-0.4	0.3
86	-2.2	-0.1	7.2	0.2	0.1	-1.5	-1.9
87	-0.8	1.3	5.6	2.6	-1.9	-1.9	-3.4
88	-2.8	-0.8	6.7	0.2	0.2	-1.3	-1.4
89	-2.0	0.0	7.1	0.4	1.7	-0.3	0.7
90	-1.9	0.0	7.4	-0.5	1.2	-0.7	-0.4
91	-2.1	0.1	7.1	0.4	1.7	-0.3	0.6
92	-1.8	0.1	7.5	-0.4	1.4	-0.5	-0.2
93	-2.2	-0.1	7.3	1.1	0.3	-1.4	-1.5
94	-2.1	-0.1	7.3	0.9	0.4	-1.3	-1.5
95	0.3	2.3	7.8	-1.3	2.2	0.3	1.5
96	-1.5	0.6	7.9	0.1	1.8	-0.1	0.2
97	0.2	2.3	7.8	-1.4	2.1	0.2	1.4
98	0.2	2.6	6.1	4.2	-0.8	-0.7	-2.3
99	-0.5	1.9	7.6	0.2	1.2	-0.5	0.0
100	-1.5	0.8	8.0	1.8	1.1	-0.4	-0.6
101	-1.4	0.9	7.4	2.5	1.2	0.3	0.8

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Table 37 – continued from previous page

	B3LYP-D3		M05-2X	M06	M06-2X	M08-SO	M08-HX
	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}
102	-1.7	0.5	7.9	0.2	1.9	0.0	0.4
103	0.0	2.2	7.8	-1.2	1.9	0.0	0.9
104	-1.5	0.5	7.9	0.2	2.0	0.0	0.4
105	-2.8	-0.4	7.3	2.0	1.1	-0.6	-0.3
106	-1.6	0.6	7.9	1.7	1.0	-0.5	-0.7
107	-6.1	-0.9	-1.6	-5.3	-8.5	-7.6	-8.1
108	-6.2	-1.4	-0.3	-5.4	-5.5	-4.6	-4.9
109	-6.4	-0.6	-1.9	-5.1	-8.9	-8.2	-8.6
110	-4.7	0.7	-1.1	-4.6	-7.3	-6.8	-7.5
111	-6.1	-1.0	-0.7	-5.3	-6.0	-4.9	-5.1
112	-6.3	-0.4	-2.1	-5.5	-9.3	-8.5	-8.5
113	-4.9	0.6	-1.1	-4.2	-7.2	-6.7	-7.5
114	-6.2	-0.6	-0.4	-5.0	-5.8	-4.6	-4.6
115	-6.2	-0.3	-1.9	-5.3	-9.0	-8.1	-7.9
116	-5.3	0.3	-1.4	-4.3	-7.5	-6.8	-7.6
117	-6.4	-0.7	-0.4	-5.1	-5.8	-4.4	-4.5
118	-14.4	-6.2	-3.4	-6.5	-9.6	-8.3	-10.4
119	-9.9	-2.5	-0.8	-3.5	-6.6	-5.9	-5.7
120	-14.4	-5.9	-3.7	-9.0	-9.0	-7.8	-8.6
121	-10.3	-2.8	-1.7	-4.4	-8.0	-8.0	-8.8
122	-13.8	-5.1	-3.0	-5.2	-9.7	-8.2	-9.7
123	-9.8	-2.1	-0.3	-2.0	-5.7	-4.6	-3.6
124	-15.0	-6.5	-3.1	-6.6	-8.5	-7.1	-8.9
125	-9.7	-2.0	-0.2	-3.9	-6.4	-5.8	-5.9
126	-10.4	-2.6	-1.2	-3.6	-7.1	-6.9	-7.2
127	-14.8	-5.8	-3.0	-5.0	-9.5	-8.2	-10.4
128	-13.8	-9.9	-0.9	-2.3	-7.3	-3.8	-5.5
129	-13.7	-9.7	-1.7	-3.4	-7.3	-3.5	-5.5
130	-13.4	-9.2	0.3	-1.1	-5.8	-2.2	-3.5
131	-11.9	-8.0	-0.2	-1.8	-5.4	-2.6	-4.0
132	-13.5	-9.4	-1.1	-2.9	-6.8	-2.8	-4.7
133	-15.0	-10.5	-1.0	-3.1	-7.7	-3.3	-4.7

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Table 37 – continued from previous page

	B3LYP-D3		M05-2X	M06	M06-2X	M08-SO	M08-HX
	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}
134	-12.6	-8.5	-0.3	-1.7	-5.3	-2.5	-3.8
135	-14.2	-9.8	-1.1	-3.4	-6.9	-2.7	-4.4
136	-14.8	-10.3	-0.6	-2.8	-7.1	-2.9	-4.2
137	-13.0	-8.7	-0.1	-1.4	-5.2	-2.3	-3.6
138	-14.4	-9.8	-1.0	-3.3	-6.9	-2.6	-4.3
139	-6.6	-1.2	-2.0	-5.0	-8.4	-8.4	-8.4
140	-6.9	-0.6	-1.8	-4.6	-8.5	-8.3	-7.8
141	-5.8	-0.1	-1.9	-4.4	-7.6	-7.8	-8.2
142	-4.2	-1.2	2.2	4.1	-3.2	5.7	1.7
143	-3.4	-0.6	0.9	2.6	-3.9	5.4	1.1
144	-2.6	-0.1	1.9	3.4	-3.1	5.7	1.2
145	-4.5	-1.6	3.8	4.1	-1.9	6.9	2.7
146	-3.5	-1.0	2.7	2.5	-2.6	6.8	2.2
147	-2.7	-0.2	4.0	3.9	-1.6	7.1	2.3
148	13.5	15.0	13.8	10.1	9.4	13.0	9.6
149	6.8	8.5	5.5	-4.7	3.3	1.0	3.6
150	4.9	7.8	8.6	9.5	2.5	11.2	5.8
151	5.2	9.3	6.5	4.5	-2.0	0.4	-1.2
152	1.7	5.7	8.2	3.9	3.0	5.3	3.8
153	2.4	7.1	5.7	2.2	-0.4	0.3	0.3
154	-1.9	2.7	1.7	1.8	-2.5	3.5	0.9
155	-2.4	2.6	3.1	1.3	-2.8	-1.5	-2.4
156	-0.3	4.5	-0.4	-0.9	-6.8	-6.6	-5.7
157	-5.2	0.5	0.3	0.5	-6.4	-4.8	-6.1
158	13.3	14.8	13.2	9.6	9.0	12.5	9.2
159	13.1	14.6	13.2	9.5	8.9	12.4	9.1
160	4.8	7.7	8.3	9.3	2.3	11.0	5.6
161	7.4	11.7	7.1	7.3	-2.2	1.2	-1.4
162	1.5	5.8	7.7	7.3	2.6	9.0	5.0
163	1.8	6.9	4.2	4.3	-3.8	-2.1	-3.6
164	-3.0	1.9	0.2	2.6	-3.8	3.5	-0.8
165	-3.0	2.0	4.7	4.5	-0.2	6.9	2.7

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Table 37 – continued from previous page

	B3LYP-D3		M05-2X	M06	M06-2X	M08-SO	M08-HX
	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}
166	-1.6	4.2	-1.7	-2.1	-8.1	-7.8	-7.3
167	-3.8	2.0	3.3	1.1	-2.6	0.7	-0.7
168	13.3	14.8	13.2	9.7	9.0	12.5	9.2
169	13.4	14.9	13.5	9.8	9.2	12.6	9.4
170	3.6	6.5	7.3	8.7	1.5	10.8	4.7
171	3.4	7.2	9.2	7.3	2.5	9.5	5.9
172	1.7	6.6	9.3	6.9	3.3	8.8	5.8
173	0.8	5.9	5.4	1.2	-1.9	-0.8	-1.1
174	-2.9	2.2	4.2	3.8	-0.6	6.8	2.8
175	-3.2	3.3	0.2	-1.8	-5.7	-2.9	-4.0
176	-2.4	4.0	3.5	0.6	-3.7	-0.5	-2.2
177	13.6	15.1	13.5	10.1	9.2	12.8	9.5
178	9.4	11.4	8.9	-3.8	4.9	0.4	3.4
179	3.7	6.6	7.4	8.9	1.6	10.8	4.7
180	3.6	6.6	7.2	8.2	1.2	9.9	4.5
181	0.2	6.2	8.4	5.0	1.6	6.3	3.5
182	0.4	6.4	8.2	4.4	1.0	5.2	2.7
183	-2.6	2.6	0.4	3.2	-3.7	3.7	-0.7
184	-2.6	2.5	4.5	4.1	-0.4	7.0	3.1
185	-2.9	3.6	1.2	-0.3	-4.4	-0.3	-1.7
186	-2.1	4.0	5.1	2.9	-1.0	4.2	1.8
187	10.3	12.1	10.5	4.3	4.4	8.5	6.2
188	2.2	5.8	9.0	6.6	-0.3	9.4	4.8
189	-1.2	4.4	9.2	4.6	0.2	7.7	3.8
190	-6.5	-0.5	1.2	-0.9	-6.6	1.5	-1.4
191	-5.8	0.3	5.0	2.1	-3.2	5.4	1.6
192	10.7	12.7	10.6	2.5	3.8	7.9	5.6
193	0.7	4.7	8.1	4.8	-0.9	8.3	4.0
194	-2.3	3.9	9.0	3.2	-0.3	7.6	3.8
195	-7.6	-1.1	0.2	-2.5	-7.6	0.3	-2.6
196	-6.2	0.0	5.0	1.1	-3.2	5.3	1.6
197	10.2	12.0	10.0	1.4	2.7	-2.2	-1.4

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Table 37 – continued from previous page

	B3LYP-D3		M05-2X	M06	M06-2X	M08-SO	M08-HX
	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}
198	0.5	4.3	3.6	1.5	-6.0	-4.7	-6.3
199	-1.9	3.8	4.9	1.1	-4.9	-2.8	-5.2
200	-6.1	0.2	-2.1	-5.0	-11.4	-10.6	-11.0
201	-9.0	-2.4	0.8	-2.3	-8.7	-7.2	-8.8
202	10.1	11.8	9.7	3.2	3.5	9.2	6.6
203	0.5	3.9	6.9	5.8	-1.1	9.0	4.1
204	-1.0	3.5	8.1	5.8	0.7	9.3	5.5
205	-6.0	-0.8	-0.4	-0.3	-6.6	1.9	-1.2
206	-5.1	-0.2	5.3	3.8	-1.0	8.1	4.3
207	9.1	10.8	10.9	-0.2	3.8	-0.6	-0.8
208	0.6	3.8	3.1	1.1	-5.4	-4.1	-6.4
209	-1.9	2.6	4.3	-1.1	-3.9	-2.1	-4.6
210	-5.7	-0.6	-2.6	-5.9	-9.7	-9.0	-9.9
211	-4.3	0.5	1.1	-0.1	-6.9	-4.4	-6.7
212	10.5	12.0	11.1	6.3	5.6	10.6	7.6
213	3.0	6.0	8.6	9.3	1.8	11.7	6.4
214	1.3	6.0	9.9	6.3	2.4	8.6	5.1
215	-3.7	1.1	1.2	1.1	-3.6	1.4	-0.6
216	-5.7	-0.9	3.7	4.2	-2.1	5.2	1.7
217	10.5	12.2	11.9	6.0	5.9	10.0	7.1
218	0.9	4.4	7.2	6.9	-0.3	9.4	4.1
219	-0.9	4.2	8.1	5.3	-0.8	6.3	2.0
220	-5.9	-0.4	0.1	0.3	-6.1	1.5	-1.5
221	-6.8	-1.2	3.6	2.2	-3.3	3.4	-0.1
222	11.9	13.4	10.9	1.2	2.8	-1.4	-1.4
223	1.1	4.7	7.0	7.1	-0.2	9.4	4.2
224	-2.6	2.4	5.2	-0.1	-3.9	-1.0	-3.6
225	-4.4	1.0	0.0	1.9	-5.2	2.4	-0.5
226	-6.0	-0.1	4.0	2.4	-3.5	4.9	1.2
227	10.9	12.3	13.1	7.9	7.5	11.2	7.9
228	2.5	4.9	9.1	7.9	3.5	8.8	5.8
229	0.3	3.9	9.0	6.5	2.7	9.8	6.0

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Table 37 – continued from previous page

	B3LYP-D3		M05-2X	M06	M06-2X	M08-SO	M08-HX
	E_{NCP}	E_{CP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}	E_{NCP}
230	-4.4	-0.4	0.1	1.4	-3.8	3.5	0.1
231	0.6	4.2	7.2	7.3	2.6	9.0	6.2
232	11.0	12.4	13.1	7.4	7.4	10.4	7.4
233	3.1	6.3	9.0	7.4	1.1	9.6	4.4
234	1.1	5.7	9.2	6.0	0.8	7.7	3.5
235	-4.0	1.1	0.9	-1.0	-4.9	-0.3	-2.5
236	-5.0	-0.2	3.8	3.5	-1.4	5.8	2.2
MAXD	-18.1	15.4	13.8	10.1	-15.5	-15.4	-17.5
MD	-2.1	2.2	4.5	0.8	-2.6	-0.3	-1.8
MAD	6.8	5.6	5.3	3.4	5.1	4.9	4.5