	ωB2PLYP/def2-SVP			
Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S1	1.3160	1.2740	0.0420	0.0000
S2	1.1690	1.0160	0.1530	0.0016
S3	1.6860	1.5770	0.1090	0.0016
S4	1.9250	1.8610	0.0640	0.0060
S5	1.8060	1.4110	0.3950	0.0001
S6	1.6950	1.5630	0.1320	0.0001
S7	2.0630	1.8920	0.1710	0.0018
S8	1.5680	1.3410	0.2270	0.0037
S9	1.7340	1.6190	0.1150	0.0011
S10	2.1320	1.7580	0.3740	0.0008
S11	1.8810	1.8290	0.0520	0.0067
S12	2.1740	2.1510	0.0230	0.0037
S13	2.2260	2.1230	0.1030	0.0104
S14	2.4400	2.4100	0.0300	0.0116
S15	1.8280	1.6140	0.2140	0.0033
S16	2.1720	1.9780	0.1940	0.0005
S17	2.0040	1.8680	0.1360	0.0027
S18	2.2210	2.1810	0.0400	0.0009
S19	1.6230	1.3080	0.3150	0.0058
S20	1.7160	1.4690	0.2470	0.0162
S21	1.0230	0.8110	0.2120	0.0013
S22	1.5550	1.1500	0.4050	0.0053
S23	1.8660	1.2560	0.6100	0.0021
S24	1.7410	1.3440	0.3970	0.0097
S25	1.9910	1.6270	0.3640	0.0076
S26	1.7920	1.5670	0.2250	0.0105
S27	2.0760	1.7620	0.3140	0.0216
S28	1.8040	1.2850	0.5190	0.0016
S29	2.1430	1.6040	0.5390	0.0041
S30	1.5720	1.3510	0.2210	0.0017
S31	1.8670	1.5960	0.2710	0.0094
S32	2.2210	1.7410	0.4800	0.0018
S33	2.1490	1.8470	0.3020	0.0097
S34	1.6470	1.4160	0.2310	0.0014
S35	2.4090	1.7320	0.6770	0.0003
S36	2.3300	1.8420	0.4880	0.0035
S37	1.9480	1.7880	0.1600	0.0061
S38	2.2900	1.9310	0.3590	0.0084
S39	2.3190	2.0580	0.2610	0.0166
S40	1.5730	1.4310	0.1420	0.0005
S41	1.9110	1.6920	0.2190	0.0026
S42	2.1900	1.8040	0.3860	0.0015
S43	2.1750	1.9550	0.2200	0.0031
S44	1.8680	1.8690	-0.0010	0.0001
S45	1.7230	1.5390	0.1840	0.0033
S46	2.4210	2.2270	0.1940	0.0000

	ωB2PLYP/def2-SVP			
Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S47	2.2130	2.1840	0.0290	0.0016
S48	2.0260	1.8330	0.1930	0.0011
S49	2.1040	1.8700	0.2340	0.0065
S50	2.1120	1.9150	0.1970	0.0054
S51	2.5450	2.4920	0.0530	0.0037
S52	2.4790	2.4350	0.0440	0.0080
S53	2.7550	2.8060	-0.0510	0.0045
S54	2.6130	2.3020	0.3110	0.0028
S55	2.2560	2.1100	0.1460	0.0050
S56	2.5580	2.2360	0.3220	0.0005
S57	2.2290	1.5860	0.6430	0.0051
S58	1.4570	1.1930	0.2640	0.0037
S59	1.8640	1.4970	0.3670	0.0096
S60	2.5280	2.0870	0.4410	0.0013
S61	2.5160	2.2160	0.3000	0.0115
S62	2.7350	2.0790	0.6560	0.0004
S63	2.0680	1.6910	0.3770	0.0009
S64	2.4610	2.0420	0.4190	0.0050
S65	2.1620	2.0420	0.1200	0.0075
S66	1.9750	1.6500	0.3250	0.0019
S67	2.0500	1.8440	0.2060	0.0044
S68	2.3670	2.1730	0.1940	0.0027
S69	2.4900	2.2630	0.2270	0.0115
S70	2.5600	2.1480	0.4120	0.0009
S71	2.0270	1.8950	0.1320	0.0000
S72	2.3360	2.1110	0.2250	0.0029
S73	2.4300	2.5010	-0.0710	0.0002
S74	2.2770	2.1620	0.1150	0.0026
S75	1.6480	1.3640	0.2840	0.0121
S76	2.2070	1.6920	0.5150	0.0165
S77	2.3330	2.0300	0.3030	0.0196
S78	2.0790	1.7660	0.3130	0.0056
S79	2.1200	1.8440	0.2760	0.0107
S80	2.7230	2.2250	0.4980	0.0059
S81	2.6790	2.4370	0.2420	0.0114
S82	2.0850	1.9780	0.1070	0.0018
S83	2.6030	2.2020	0.4010	0.0026
S84	3.0280	3.2460	-0.2180	0.0000
S85	2.7730	2.1530	0.6200	0.0069
S86	2.0650	1.7250	0.3400	0.0199
S87	2.4840	2.1360	0.3480	0.0115
S88	2.5370	2.0190	0.5180	0.0052
S89	0.8700	0.6270	0.2430	0.0000
S90	1.9100	1.1760	0.7340	0.0025
S91	1.3970	1.1440	0.2530	0.0042
S92	2.4710	1.6330	0.8380	0.0036

	ωB2PLYP/def2-SVP			
Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S93	1.4180	1.1710	0.2470	0.0019
S94	2.1450	1.6060	0.5390	0.0002
S95	2.1820	1.6140	0.5680	0.0073
S96	1.8820	1.6800	0.2020	0.0023
S97	1.3280	1.0920	0.2360	0.0005
S98	3.0030	2.1320	0.8710	0.0000
S99	2.1340	1.5310	0.6030	0.0057
S100	1.8070	1.6470	0.1600	0.0006
S101	2.7920	2.1280	0.6640	0.0021
S102	1.8740	1.6440	0.2300	0.0056
S103	2.5570	2.0500	0.5070	0.0021
S104	2.3050	1.9730	0.3320	0.0000
S105	1.3770	1.3530	0.0240	0.0001
S106	1.3660	1.2810	0.0850	0.0000
S107	1.6290	1.5750	0.0540	0.0042
S108	1.3890	1.1470	0.2420	0.0009
S109	1.5740	1.5300	0.0440	0.0027
S110	1.3840	1.1040	0.2800	0.0010
S111	1.4720	1.4400	0.0320	0.0008
S112	1.2880	1.1580	0.1300	0.0004
S113	1.4170	1.3930	0.0240	0.0002
S114	1.2820	1.1930	0.0890	0.0005
S115	1.3620	1.3240	0.0380	0.0000
S116	1.2830	1.2370	0.0460	0.0001
S117	1.3390	1.2950	0.0440	0.0000
S118	1.2970	1.2620	0.0350	0.0001
S119	1.6660	1.5930	0.0730	0.0054
S120	1.2940	1.1940	0.1000	0.0003
S121	1.2810	1.2160	0.0650	0.0007
S122	1.3400	1.2990	0.0410	0.0005
S123	1.1220	0.9450	0.1770	0.0022
S124	1.6250	1.5510	0.0740	0.0010
S125	1.2110	1.1380	0.0730	0.0006
S126	1.3860	1.3500	0.0360	0.0007
S127	1.2590	1.2090	0.0500	0.0003
S128	1.3630	1.3140	0.0490	0.0005
S129	1.1640	1.0270	0.1370	0.0014
S130	1.4920	1.4310	0.0610	0.0007
S131	1.6540	1.5900	0.0640	0.0051
S132	1.2830	1.2320	0.0510	0.0001
S133	1.1180	0.9880	0.1300	0.0015
S134	1.6000	1.5200	0.0800	0.0010
S135	1.2970	1.2150	0.0820	0.0002
S136	1.4050	1.3810	0.0240	0.0003
S137	1.0960	0.8860	0.2100	0.0023
S138	1.6790	1.5840	0.0950	0.0014

	ωB2PLYP/def2-SVP			
Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S139	1.2310	1.1390	0.0920	0.0005
S140	1.4540	1.4140	0.0400	0.0003
S141	3.1010	3.3330	-0.2320	0.0004
S142	3.4440	3.5240	-0.0800	0.0157
S143	3.3450	3.5010	-0.1560	0.0081
S144	3.2360	3.4440	-0.2080	0.0027
S145	3.1730	3.3990	-0.2260	0.0011
S146	3.1140	3.3430	-0.2290	0.0002
S147	3.0890	3.3170	-0.2280	0.0001
S148	3.4760	3.5330	-0.0570	0.0176
S149	3.0360	3.2820	-0.2460	0.0001
S150	2.8990	2.9310	-0.0320	0.0018
S151	2.9670	3.1760	-0.2090	0.0005
S152	3.0290	3.2600	-0.2310	0.0000
S153	2.9260	3.0630	-0.1370	0.0016
S154	3.4880	3.5390	-0.0510	0.0175
S155	2.9240	3.0810	-0.1570	0.0011
S156	3.0520	3.2770	-0.2250	0.0000
S157	3.0420	2.7350	0.3070	0.0002
S158	2.9880	3.1710	-0.1830	0.0004
S159	1.9460	1.9320	0.0140	0.0049
S160	1.9510	1.8950	0.0560	0.0105
S161	1.8890	1.8070	0.0820	0.0074
S162	1.8790	1.8090	0.0700	0.0076
S163	2.2330	2.2600	-0.0270	0.0001
S164	2.2330	2.0430	0.1900	0.0259
S165	1.7990	1.5930	0.2060	0.0122
S166	1.7820	1.6500	0.1320	0.0074
S167	2.1490	2.1790	-0.0300	0.0008
S168	2.1810	2.0110	0.1700	0.0206
S169	1.7980	1.6540	0.1440	0.0099
S170	1.7750	1.6120	0.1630	0.0081
S171	2.0330	2.0460	-0.0130	0.0028
S172	2.0680	1.9640	0.1040	0.0124
S173	1.7760	1.6660	0.1100	0.0098
S174	1.7900	1.7000	0.0900	0.0075
S175	1.9830	1.9840	-0.0010	0.0044
S176	2.0030	1.9230	0.0800	0.0130
S177	1.9010	1.8710	0.0300	0.0073
S178	1.9280	1.8890	0.0390	0.0057
S179	1.9170	1.8870	0.0300	0.0062
S180	1.9510	1.8820	0.0690	0.0092
S181	1.8160	1.7590	0.0570	0.0090
S182	1.8340	1.7870	0.0470	0.0055
S183	1.8930	1.8480	0.0450	0.0070
S184	1.9300	1.8620	0.0680	0.0092

	ωB2PLYP/def2-SVP			
Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S185	1.8310	1.7850	0.0460	0.0089
S186	1.8510	1.8100	0.0410	0.0052
S187	2.2750	2.2900	-0.0150	0.0001
S188	2.2910	2.0510	0.2400	0.0305
S189	1.8140	1.7000	0.1140	0.0101
S190	1.8120	1.6550	0.1570	0.0074
S191	1.8210	1.7590	0.0620	0.0095
S192	1.8800	1.8230	0.0570	0.0137
S193	1.8520	1.7900	0.0620	0.0107
S194	1.8560	1.8110	0.0450	0.0036
S195	1.6410	1.4280	0.2130	0.0157
S196	1.7620	1.6300	0.1320	0.0085
S197	2.0170	1.9870	0.0300	0.0086
S198	2.0390	1.9970	0.0420	0.0037
S199	1.7680	1.6610	0.1070	0.0111
S200	1.8010	1.7340	0.0670	0.0101
S201	1.8910	1.8540	0.0370	0.0112
S202	1.9120	1.8810	0.0310	0.0030
S203	1.8030	1.7380	0.0650	0.0096
S204	1.8590	1.8050	0.0540	0.0089
S205	1.8700	1.8120	0.0580	0.0111
S206	1.9010	1.8550	0.0460	0.0032
S207	1.7000	1.5110	0.1890	0.0145
S208	1.7770	1.6560	0.1210	0.0075
S209	1.9620	1.9300	0.0320	0.0097
S210	2.0110	1.9750	0.0360	0.0032
S211	2.2570	2.2730	-0.0160	0.0000
S212	2.2660	2.0580	0.2080	0.0317
S213	1.8320	1.7290	0.1030	0.0094
S214	1.8340	1.7570	0.0770	0.0066
S215	1.6700	1.4820	0.1880	0.0140
S216	1.7400	1.6260	0.1140	0.0091
S217	2.0270	1.9750	0.0520	0.0101
S218	2.1010	2.0420	0.0590	0.0031
S219	1.8300	1.7450	0.0850	0.0086
S220	1.8920	1.8090	0.0830	0.0105
S221	1.9340	1.9220	0.0120	0.0069
S222	1.9390	1.9120	0.0270	0.0058
S223	1.6340	1.3630	0.2710	0.0163
S224	1.7700	1.6210	0.1490	0.0071
S225	2.0770	2.0290	0.0480	0.0086
S226	2.1450	2.0930	0.0520	0.0037
S227	1.7760	1.6450	0.1310	0.0112
S228	1.8470	1.7560	0.0910	0.0061
S229	1.9590	1.9380	0.0210	0.0066
S230	2.0090	1.9650	0.0440	0.0057

	ωB2PLYP/def2-SVP			
Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S231	2.2860	2.2250	0.0610	0.0085
S232	2.2990	2.1980	0.1010	0.0161
S233	2.2840	2.1710	0.1130	0.0138
S234	2.1840	2.0680	0.1160	0.0119
S235	2.2510	2.0910	0.1600	0.0112
S236	2.2500	2.1070	0.1430	0.0119
S237	2.5690	2.5340	0.0350	0.0028
S238	2.5300	2.3280	0.2020	0.0313
S239	2.5970	2.3010	0.2960	0.0434
S240	2.0210	1.8010	0.2200	0.0186
S241	2.1320	1.7550	0.3770	0.0172
S242	2.1720	1.9210	0.2510	0.0147
S243	2.4930	2.4550	0.0380	0.0041
S244	2.4410	2.2920	0.1490	0.0218
S245	2.5340	2.2820	0.2520	0.0331
S246	2.0050	1.7780	0.2270	0.0203
S247	2.1900	1.8760	0.3140	0.0134
S248	2.1860	1.9010	0.2850	0.0157
S249	2.3700	2.3360	0.0340	0.0061
S250	2.3470	2.2590	0.0880	0.0129
S251	2.4380	2.2500	0.1880	0.0224
S252	2.0760	1.9300	0.1460	0.0159
S253	2.1900	1.9910	0.1990	0.0139
S254	2.1450	1.9800	0.1650	0.0114
S255	2.3300	2.2850	0.0450	0.0080
S256	2.2960	2.2040	0.0920	0.0209
S257	2.3600	2.2110	0.1490	0.0172
S258	2.0850	1.9460	0.1390	0.0152
S259	2.1540	1.9540	0.2000	0.0173
S260	2.2600	2.1780	0.0820	0.0077
S261	2.2620	2.1880	0.0740	0.0099
S262	2.2490	2.1650	0.0840	0.0138
S263	2.1410	2.0380	0.1030	0.0129
S264	2.1640	2.0450	0.1190	0.0142
S265	2.1940	2.0700	0.1240	0.0094
S266	2.3180	2.1870	0.1310	0.0138
S267	2.2390	2.1510	0.0880	0.0109
S268	2.2280	2.1410	0.0870	0.0150
S269	2.2970	2.1740	0.1230	0.0126
S270	2.1600	2.0680	0.0920	0.0122
S271	2.1760	2.0720	0.1040	0.0154
S272	2.2020	2.0930	0.1090	0.0085
S273	2.6180	2.5550	0.0630	0.0022
S274	2.5430	2.3130	0.2300	0.0351
S275	2.6350	2.3060	0.3290	0.0464
S276	2.0170	1.7900	0.2270	0.0186

	ωB2PLYP/def2-SVP			
Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S277	2.1770	1.7430	0.4340	0.0187
S278	2.1920	2.0130	0.1790	0.0119
S279	2.1940	2.0880	0.1060	0.0114
S280	2.2430	2.0830	0.1600	0.0301
S281	2.1870	2.1300	0.0570	0.0099
S282	2.1760	2.0700	0.1060	0.0116
S283	2.1330	1.9750	0.1580	0.0262
S284	2.1910	2.0850	0.1060	0.0058
S285	1.9900	1.7420	0.2480	0.0207
S286	2.1550	1.8900	0.2650	0.0209
S287	2.0640	1.9970	0.0670	0.0046
S288	2.3470	2.3070	0.0400	0.0066
S289	2.2720	2.2730	-0.0010	0.0017
S290	2.2910	2.2000	0.0910	0.0191
S291	2.1270	1.9790	0.1480	0.0153
S292	2.1600	1.9870	0.1730	0.0242
S293	2.1440	2.0750	0.0690	0.0067
S294	2.2170	2.1470	0.0700	0.0117
S295	2.1870	2.0750	0.1120	0.0224
S296	2.2130	2.1490	0.0640	0.0046
S297	2.1570	2.0540	0.1030	0.0138
S298	2.1940	2.0690	0.1250	0.0182
S299	2.2250	2.1360	0.0890	0.0092
S300	2.1940	2.1010	0.0930	0.0126
S301	2.1870	2.0620	0.1250	0.0204
S302	2.2200	2.1260	0.0940	0.0055
S303	2.0590	1.8290	0.2300	0.0197
S304	2.1470	1.9040	0.2430	0.0182
S305	2.1230	2.0230	0.1000	0.0052
S306	2.2890	2.2400	0.0490	0.0094
S307	2.2430	2.1590	0.0840	0.0212
S308	2.2790	2.2490	0.0300	0.0030
S309	2.5880	2.5420	0.0460	0.0028
S310	2.5450	2.3320	0.2130	0.0401
S311	2.6280	2.3160	0.3120	0.0452
S312	2.1230	1.9870	0.1360	0.0142
S313	2.1680	1.9060	0.2620	0.0168
S314	2.2130	2.0410	0.1720	0.0116
S315	2.0300	1.8020	0.2280	0.0173
S316	2.1090	1.8650	0.2440	0.0210
S317	2.0930	2.0310	0.0620	0.0046
S318	2.3370	2.2850	0.0520	0.0097
S319	2.3560	2.3070	0.0490	0.0026
S320	2.2620	2.1710	0.0910	0.0196
S321	2.1640	2.0370	0.1270	0.0148
S322	2.2410	2.0900	0.1510	0.0183

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Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S323	2.2710	2.1530	0.1180	0.0109
S324	2.2520	2.2050	0.0470	0.0080
S325	2.2650	2.2050	0.0600	0.0069
S326	2.2930	2.2130	0.0800	0.0152
S327	2.0040	1.6910	0.3130	0.0214
S328	2.1240	1.8620	0.2620	0.0166
S329	2.2330	2.1090	0.1240	0.0080
S330	2.3800	2.3510	0.0290	0.0069
S331	2.3650	2.3550	0.0100	0.0010
S332	2.2870	2.2260	0.0610	0.0197
S333	2.1350	1.9570	0.1780	0.0156
S334	2.2230	2.0380	0.1850	0.0118
S335	2.2040	2.0890	0.1150	0.0073
S336	2.2880	2.2360	0.0520	0.0088
S337	2.2820	2.2110	0.0710	0.0132
S338	2.3200	2.2560	0.0640	0.0062
S339	2.5440	2.5550	-0.0110	0.0056
S340	2.5550	2.4940	0.0610	0.0122
S341	2.4570	2.3650	0.0920	0.0091
S342	2.8300	2.9160	-0.0860	0.0000
S343	2.8680	2.6060	0.2620	0.0368
S344	2.2480	1.9200	0.3280	0.0177
S345	2.7310	2.8230	-0.0920	0.0007
S346	2.7910	2.5890	0.2020	0.0264
S347	2.2830	2.0470	0.2360	0.0160
S348	2.6200	2.6850	-0.0650	0.0031
S349	2.6920	2.5650	0.1270	0.0158
S350	2.3500	2.2390	0.1110	0.0116
S351	2.5850	2.6250	-0.0400	0.0048
S352	2.6100	2.5210	0.0890	0.0158
S353	2.3400	2.2020	0.1380	0.0150
S354	2.5180	2.5140	0.0040	0.0071
S355	2.3900	2.3300	0.0600	0.0111
S356	2.5670	2.4990	0.0680	0.0110
S357	2.4960	2.4710	0.0250	0.0081
S358	2.5430	2.4820	0.0610	0.0106
S359	2.4070	2.3630	0.0440	0.0112
S360	2.8570	2.9310	-0.0740	0.0001
S361	2.8960	2.6200	0.2760	0.0407
S362	2.2490	2.0020	0.2470	0.0169
S363	2.4480	2.3970	0.0510	0.0104
S364	2.4460	2.4360	0.0100	0.0102
S365	2.4180	2.3420	0.0760	0.0117
S366	2.2910	2.0500	0.2410	0.0189
S367	2.3250	2.2750	0.0500	0.0072
S368	2.5380	2.5530	-0.0150	0.0109

	ωB2PLYP/def2-SVP			
Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S369	2.3990	2.2880	0.1110	0.0130
S370	2.3980	2.3700	0.0280	0.0101
S371	2.4260	2.3910	0.0350	0.0141
S372	2.4260	2.3710	0.0550	0.0112
S373	2.4730	2.4360	0.0370	0.0096
S374	2.4240	2.3690	0.0550	0.0134
S375	2.3350	2.1270	0.2080	0.0176
S376	2.3700	2.3010	0.0690	0.0078
S377	2.5000	2.5020	-0.0020	0.0118
S378	2.8460	2.9180	-0.0720	0.0000
S379	2.9020	2.6150	0.2870	0.0413
S380	2.3020	2.0970	0.2050	0.0156
S381	2.3180	2.1040	0.2140	0.0167
S382	2.3560	2.3080	0.0480	0.0090
S383	2.5470	2.5820	-0.0350	0.0076
S384	2.4420	2.3660	0.0760	0.0101
S385	2.5190	2.4490	0.0700	0.0111
S386	2.5170	2.5220	-0.0050	0.0084
S387	2.2880	1.9870	0.3010	0.0195
S388	2.4750	2.4010	0.0740	0.0071
S389	2.5440	2.5720	-0.0280	0.0097
S390	2.3970	2.2560	0.1410	0.0133
S391	2.4490	2.3860	0.0630	0.0071
S392	2.5330	2.5430	-0.0100	0.0076
S393	2.5180	2.5050	0.0130	0.0147
S394	2.5010	2.4500	0.0510	0.0157
S395	2.4220	2.3520	0.0700	0.0138
S396	2.8510	2.7350	0.1160	0.0199
S397	2.8040	2.5570	0.2470	0.0505
S398	2.2710	2.0690	0.2020	0.0204
S399	2.7460	2.6740	0.0720	0.0151
S400	2.7290	2.5430	0.1860	0.0378
S401	2.2710	2.0530	0.2180	0.0214
S402	2.6210	2.6080	0.0130	0.0105
S403	2.6410	2.5140	0.1270	0.0259
S404	2.3190	2.2110	0.1080	0.0174
S405	2.5630	2.5410	0.0220	0.0186
S406	2.5710	2.4890	0.0820	0.0193
S407	2.4550	2.4550	0.0000	0.0102
S408	2.5000	2.4800	0.0200	0.0143
S409	2.3620	2.3170	0.0450	0.0133
S410	2.5280	2.4660	0.0620	0.0154
S411	2.4750	2.4490	0.0260	0.0161
S412	2.5070	2.4550	0.0520	0.0137
S413	2.3770	2.3480	0.0290	0.0123
S414	2.8820	2.7280	0.1540	0.0235

	ωB2PLYP/def2-SVP			
Molecule	**ΔE(S_0-S_1) [eV]**	**ΔE(S_0-T_1) [eV]**	**ΔE(S_1-T_1) [eV]**	**f_{12}(S_0-S_1)**
S415	2.8320	2.5640	0.2680	0.0535
S416	2.3420	2.2260	0.1160	0.0160
S417	2.4400	2.3820	0.0580	0.0288
S418	2.4360	2.4280	0.0080	0.0102
S419	2.3770	2.3290	0.0480	0.0102
S420	2.2920	2.1360	0.1560	0.0240
S421	2.3190	2.3230	-0.0040	0.0037
S422	2.5280	2.5920	-0.0640	0.0048
S423	2.3560	2.2710	0.0850	0.0244
S424	2.3770	2.3820	-0.0050	0.0067
S425	2.4190	2.4190	0.0000	0.0101
S426	2.4020	2.3620	0.0400	0.0196
S427	2.4500	2.4300	0.0200	0.0099
S428	2.4100	2.3850	0.0250	0.0113
S429	2.3100	2.1540	0.1560	0.0225
S430	2.3560	2.3400	0.0160	0.0044
S431	2.5000	2.5440	-0.0440	0.0073
S432	2.8660	2.7330	0.1330	0.0276
S433	2.8400	2.5710	0.2690	0.0528
S434	2.3540	2.2490	0.1050	0.0153
S435	2.2880	2.1280	0.1600	0.0235
S436	2.3410	2.3480	-0.0070	0.0050
S437	2.5630	2.5860	-0.0230	0.0074
S438	2.4350	2.3610	0.0740	0.0204
S439	2.4750	2.4380	0.0370	0.0116
S440	2.4680	2.4960	-0.0280	0.0086
S441	2.3020	2.1090	0.1930	0.0211
S442	2.4670	2.4180	0.0490	0.0091
S443	2.5900	2.6490	-0.0590	0.0050
S444	2.3870	2.2880	0.0990	0.0160
S445	2.4140	2.3890	0.0250	0.0077
S446	2.5240	2.5490	-0.0250	0.0084