		ADC(2)/cc-pVDZ		
Molecule	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{S}_1) \; [\mathrm{eV}]$	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{T}_1) \ [\mathrm{eV}]$	$\Delta \mathrm{E}(\mathrm{S}_1\text{-}\mathrm{T}_1)~[\mathrm{eV}]$	$f_{12}(S_0-S_1)$
S1	1.0381	1.1983	-0.1603	0.0000
S2	0.9222	1.0459	-0.1237	0.0006
S3	1.3804	1.4912	-0.1107	0.0005
S4	1.5935	1.7419	-0.1484	0.0022
S5	1.5177	1.4277	0.0900	0.0001
S6	1.3599	1.4992	-0.1394	0.0002
S7	1.7317	1.7968	-0.0651	0.0006
S8	1.2941	1.3597	-0.0655	0.0018
S9	1.4256	1.5748	-0.1492	0.0003
S10	1.8155	1.7417	0.0738	0.0012
S11	1.5362	1.6859	-0.1498	0.0025
S12	1.8027	1.9607	-0.1580	0.0016
S13	1.8626	1.9908	-0.1282	0.0038
S14	2.0412	2.2121	-0.1709	0.0045
S15	1.4790	1.5381	-0.0591	0.0008
S16	1.8052	1.8681	-0.0629	0.0000
S17	1.6339	1.7647	-0.1308	0.0017
S18	1.8182	2.0021	-0.1839	0.0000
S19	1.3486	1.3544	-0.0058	0.0021
S20	1.3970	1.4771	-0.0802	0.0064
S21	0.8086	0.9141	-0.1055	0.0005
S22	1.3172	1.2661	0.0510	0.0023
S23	1.6135	1.3711	0.2423	0.0005
S24	1.4216	1.3843	0.0373	0.0032
S25	1.6883	1.6649	0.0234	0.0033
S26	1.4853	1.5769	-0.0916	0.0039
S27	1.7351	1.7890	-0.0538	0.0086
S28	1.5609	1.3938	0.1671	0.0010
S29	1.8650	1.7011	0.1639	0.0021
S30	1.2663	1.3792	-0.1129	0.0003
S31	1.5268	1.6150	-0.0882	0.0040
S32	1.8977	1.7521	0.1457	0.0005
S33	1.7684	1.7728	-0.0044	0.0051
S34	1.3426	1.4105	-0.0679	0.0010
S35	2.1180	1.8201	0.2979	0.0002
S36	1.9718	1.8354	0.1364	0.0014
S37	1.5709	1.6879	-0.1170	0.0035
S38	1.9220	1.8985	0.0236	0.0025
S39	1.9078	1.9741	-0.0663	0.0076
S40	1.2191	1.3430	-0.1239	0.0000
S41	1.5459	1.6382	-0.0923	0.0017
S42	1.8335	1.8074	0.0261	0.0018
S43	1.7758	1.8771	-0.1013	0.0004
S44	1.5292	1.7042	-0.1750	0.0002
S45	1.3842	1.4706	-0.0865	0.0024
S46	2.0624	2.1014	-0.0390	0.0000

		ADC(2) / VD5	7	
Molecule	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{S}_1) \; [\mathrm{eV}]$	$rac{ ext{ADC(2)/cc-pVDZ}}{\Delta ext{E(S}_0 ext{-T}_1) ext{ [eV]}}$	$oldsymbol{\Delta} ext{E}(ext{S}_1 ext{-T}_1) \; [ext{eV}]$	$f_{12}(S_0-S_1)$
	· · · · · · · · · · · · · · · · · · ·			
S47	1.8524	2.0150	-0.1626	0.0006
S48	1.6620	1.7581	-0.0960	0.0016
S49	1.7703	1.8677	-0.0975	0.0021
S50	1.7509	1.8228	-0.0719	0.0042
S51	2.1527	2.2927	-0.1400	0.0017
S52	2.0927	2.2665	-0.1738	0.0024
S53	2.3326	2.5414	-0.2088	0.0017
S54	2.2186	2.2233	-0.0047	0.0010
S55	1.8594	1.9969	-0.1375	0.0025
S56	2.1257	2.2943	-0.1686	0.0011
S57	1.9330	1.6844	0.2486	0.0021
S58	1.1270	1.2007	-0.0737	0.0027
S59	1.4915	1.4913	0.0002	0.0057
S60	2.1763	2.0575	0.1188	0.0012
S61	2.1134	2.1226	-0.0092	0.0072
S62	2.4029	2.1324	0.2705	0.0003
S63	1.7246	1.6950	0.0295	0.0022
S64	2.0664	2.0084	0.0580	0.0050
S65	1.7493	1.8985	-0.1492	0.0060
S66	1.6458	1.6840	-0.0381	0.0007
S67	1.6446	1.7503	-0.1057	0.0038
S68	1.9641	2.0520	-0.0879	0.0038
S69	2.0458	2.1993	-0.1535	0.0086
S70	2.1797	2.1357	0.0440	0.0022
S71	1.6294	1.8024	-0.1730	0.0007
S72	1.8978	2.0618	-0.1640	0.0035
S73	2.0370	2.2464	-0.2094	0.0001
S74	1.8800	2.0230	-0.1430	0.0020
S75	1.3709	1.4355	-0.0646	0.0044
S76	1.8611	1.7567	0.1043	0.0063
S77	1.9699	2.0620	-0.0921	0.0068
S78	1.7496	1.7728	-0.0231	0.0030
S79	1.7535	1.8547	-0.1012	0.0033
S80	2.3287	2.2050	0.1236	0.0033
S81	2.2453	2.3332	-0.0879	0.0060
S82	1.6986	1.8669	-0.1683	0.0009
S83	2.1816	2.2561	-0.0745	0.0005
S84	2.5780	2.8559	-0.2779	0.0000
S85	2.3000	2.2651	0.0349	0.0064
S86	1.6502	1.6907	-0.0405	0.0100
S87	2.0364	2.0534	-0.0171	0.0082
S88	2.0596	2.0124	0.0471	0.0046
S89	0.6932	0.7907	-0.0974	0.0000
S90	1.7001	1.3645	0.3356	0.0011
S91	1.0765	1.1510	-0.0746	0.0010
S92	2.2112	1.8077	0.4035	0.0018

Molecule $\Delta E(S_0-S_1)$ [eV] $\Delta E(S_0-T_1)$ [eV] $\Delta E(S_1-T_1)$ [eV] $f_{12}(S_0-S_1)$ S93 1.1436 1.2541 -0.1105 0.0001 S94 1.8463 1.7146 0.1317 0.0004 S95 1.8582 1.7243 0.1340 0.0045 S96 1.5176 1.6748 -0.1572 0.0000 S97 1.0368 1.1344 -0.0976 0.0008 S98 2.7007 2.2808 0.4199 0.0000 S99 1.8001 1.6257 0.1743 0.0038 S100 1.4461 1.5691 -0.1531 0.0010 S101 2.4308 2.2076 0.2232 0.0033 S102 1.4762 1.5971 -0.1209 0.0018 S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.22			m ADC(2)/cc-pVDZ	7	
S94 1.8463 1.7146 0.1317 0.0004 S95 1.8582 1.7243 0.1340 0.0045 S96 1.5176 1.6748 -0.1572 0.0000 S97 1.0368 1.1344 -0.0976 0.0008 S98 2.7007 2.2808 0.4199 0.0000 S99 1.8001 1.6257 0.1743 0.0038 S100 1.4161 1.5691 -0.1531 0.0010 S101 2.4308 2.2076 0.2232 0.0033 S102 1.4762 1.5971 -0.1209 0.0018 S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.158 0.0026 S108 1.4412 1.1570 -0.0158 0.0006 <th>Molecule</th> <th>$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{S}_1) \; [\mathrm{eV}]$</th> <th></th> <th></th> <th>$f_{12}(S_0-S_1)$</th>	Molecule	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{S}_1) \; [\mathrm{eV}]$			$f_{12}(S_0-S_1)$
S95 1.8582 1.7243 0.1340 0.0045 S96 1.5176 1.6748 -0.1572 0.0000 S97 1.0368 1.1344 -0.0976 0.0008 S98 2.7007 2.2808 0.4199 0.0000 S99 1.8001 1.6257 0.1743 0.0038 S100 1.4161 1.5691 -0.1531 0.0010 S101 2.4308 2.2076 0.2232 0.0033 S102 1.4762 1.5971 -0.1209 0.0018 S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018	S93	1.1436	1.2541	-0.1105	0.0001
S96 1.5176 1.6748 -0.1572 0.0000 S97 1.0368 1.1344 -0.0976 0.0000 S98 2.7007 2.2808 0.4199 0.0000 S99 1.8001 1.6257 0.1743 0.0038 S100 1.4161 1.5691 -0.1531 0.0010 S101 2.4308 2.2076 0.2232 0.0033 S102 1.4762 1.5971 -0.1209 0.0018 S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.000	S94	1.8463	1.7146	0.1317	0.0004
S97 1.0368 1.1344 -0.0976 0.0008 S98 2.7007 2.2808 0.4199 0.0000 S99 1.8001 1.6257 0.1743 0.0038 S100 1.4161 1.5691 -0.1531 0.0010 S101 2.4308 2.2076 0.2232 0.0033 S102 1.4762 1.5971 -0.1209 0.0018 S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2239 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1588 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S112 1.0140 1.1125 -0.0985 0.00	S95	1.8582	1.7243	0.1340	0.0045
S98 2.7007 2.2808 0.4199 0.0000 S99 1.8001 1.6257 0.1743 0.0038 S100 1.4161 1.5691 -0.1531 0.0010 S101 2.4308 2.2076 0.2232 0.0033 S102 1.4762 1.5971 -0.1209 0.0018 S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S112 1.0140 1.1125 -0.0985 0.0007 S112 1.040 1.1255 -0.0985 0.00	S96	1.5176	1.6748	-0.1572	0.0000
S99 1.8001 1.6257 0.1743 0.0038 S100 1.4161 1.5691 -0.1531 0.0010 S101 2.4308 2.2076 0.2232 0.0033 S102 1.4762 1.5971 -0.1209 0.0018 S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2263 -0.1292 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.162 1.2841 -0.1679 0.	S97	1.0368	1.1344	-0.0976	0.0008
\$100 1.4161 1.5691 -0.1531 0.0010 \$101 2.4308 2.2076 0.2232 0.0033 \$102 1.4762 1.5971 -0.1209 0.0018 \$103 2.1410 2.0564 0.0846 0.0026 \$104 1.8341 1.9302 -0.0961 0.0000 \$105 1.0793 1.2439 -0.1646 0.0000 \$106 1.0972 1.2263 -0.1292 0.0000 \$107 1.3134 1.4642 -0.1508 0.0026 \$108 1.4122 1.1570 -0.0158 0.0006 \$109 1.2731 1.4303 -0.1572 0.0018 \$110 1.1333 1.1248 0.0085 0.0007 \$111 1.1899 1.3584 -0.1686 0.0007 \$111 1.1899 1.3584 -0.1686 0.0007 \$112 1.0140 1.1125 -0.0985 0.0004 \$113 1.162 1.2841 -0.1679	S98	2.7007	2.2808	0.4199	0.0000
S101 2.4308 2.2076 0.2232 0.0033 S102 1.4762 1.5971 -0.1209 0.0018 S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 <td< td=""><td>S99</td><td>1.8001</td><td>1.6257</td><td>0.1743</td><td>0.0038</td></td<>	S99	1.8001	1.6257	0.1743	0.0038
S102 1.4762 1.5971 -0.1209 0.0018 S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 <t< td=""><td>S100</td><td>1.4161</td><td>1.5691</td><td>-0.1531</td><td>0.0010</td></t<>	S100	1.4161	1.5691	-0.1531	0.0010
S103 2.1410 2.0564 0.0846 0.0026 S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 <t< td=""><td>S101</td><td>2.4308</td><td>2.2076</td><td>0.2232</td><td>0.0033</td></t<>	S101	2.4308	2.2076	0.2232	0.0033
S104 1.8341 1.9302 -0.0961 0.0000 S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0007 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1584 0.0002 S118 1.0045 1.1633 -0.1588 <	S102	1.4762	1.5971	-0.1209	0.0018
S105 1.0793 1.2439 -0.1646 0.0000 S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0002 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 <	S103	2.1410	2.0564	0.0846	0.0026
S106 1.0972 1.2263 -0.1292 0.0000 S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0002 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 <	S104	1.8341	1.9302	-0.0961	0.0000
S107 1.3134 1.4642 -0.1508 0.0026 S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0002 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 <	S105	1.0793	1.2439	-0.1646	0.0000
S108 1.1412 1.1570 -0.0158 0.0006 S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0000 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 <	S106	1.0972	1.2263	-0.1292	0.0000
S109 1.2731 1.4303 -0.1572 0.0018 S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0002 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 <	S107	1.3134	1.4642	-0.1508	0.0026
S110 1.1333 1.1248 0.0085 0.0007 S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0000 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 <	S108	1.1412	1.1570	-0.0158	0.0006
S111 1.1899 1.3584 -0.1686 0.0007 S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0000 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369	S109	1.2731	1.4303	-0.1572	0.0018
S112 1.0140 1.1125 -0.0985 0.0004 S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0000 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488	S110	1.1333	1.1248	0.0085	0.0007
S113 1.1162 1.2841 -0.1679 0.0001 S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0000 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445	S111	1.1899	1.3584	-0.1686	0.0007
S114 1.0020 1.1295 -0.1275 0.0004 S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0000 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546	S112	1.0140	1.1125	-0.0985	0.0004
S115 1.0734 1.2366 -0.1632 0.0000 S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0000 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091	S113	1.1162	1.2841	-0.1679	0.0001
S116 0.9981 1.1544 -0.1563 0.0002 S117 1.0552 1.2146 -0.1594 0.0000 S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422	S114	1.0020	1.1295	-0.1275	0.0004
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	S115	1.0734	1.2366	-0.1632	0.0000
S118 1.0045 1.1633 -0.1588 0.0002 S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550	S116	0.9981	1.1544	-0.1563	0.0002
S119 1.3500 1.4877 -0.1377 0.0034 S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 </td <td>S117</td> <td>1.0552</td> <td>1.2146</td> <td>-0.1594</td> <td>0.0000</td>	S117	1.0552	1.2146	-0.1594	0.0000
S120 1.0213 1.1431 -0.1218 0.0002 S121 0.9872 1.1107 -0.1236 0.0007 S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 </td <td>S118</td> <td>1.0045</td> <td>1.1633</td> <td>-0.1588</td> <td>0.0002</td>	S118	1.0045	1.1633	-0.1588	0.0002
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	S119	1.3500	1.4877	-0.1377	0.0034
S122 1.0557 1.2090 -0.1533 0.0005 S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008 </td <td>S120</td> <td>1.0213</td> <td>1.1431</td> <td>-0.1218</td> <td>0.0002</td>	S120	1.0213	1.1431	-0.1218	0.0002
S123 0.8691 0.9394 -0.0703 0.0012 S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S121	0.9872	1.1107	-0.1236	0.0007
S124 1.3215 1.4436 -0.1222 0.0006 S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S122	1.0557	1.2090	-0.1533	0.0005
S125 0.9345 1.0715 -0.1369 0.0004 S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S123	0.8691	0.9394	-0.0703	0.0012
S126 1.0943 1.2431 -0.1488 0.0005 S127 0.9756 1.1201 -0.1445 0.0003 S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S124	1.3215	1.4436	-0.1222	0.0006
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	S125	0.9345	1.0715	-0.1369	0.0004
S128 1.0811 1.2357 -0.1546 0.0005 S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S126	1.0943	1.2431	-0.1488	0.0005
S129 0.9085 1.0176 -0.1091 0.0007 S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S127	0.9756	1.1201	-0.1445	0.0003
S130 1.1930 1.3237 -0.1307 0.0004 S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S128	1.0811	1.2357	-0.1546	0.0005
S131 1.3395 1.4817 -0.1422 0.0033 S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S129	0.9085	1.0176	-0.1091	0.0007
S132 1.0046 1.1596 -0.1550 0.0001 S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S130	1.1930	1.3237	-0.1307	0.0004
S133 0.8484 0.9452 -0.0968 0.0009 S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S131	1.3395	1.4817	-0.1422	0.0033
S134 1.3032 1.4215 -0.1183 0.0007 S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S132	1.0046	1.1596	-0.1550	0.0001
S135 1.0128 1.1453 -0.1326 0.0001 S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S133	0.8484	0.9452	-0.0968	0.0009
S136 1.1024 1.2635 -0.1611 0.0002 S137 0.8628 0.9383 -0.0755 0.0008	S134	1.3032	1.4215	-0.1183	0.0007
S137 0.8628 0.9383 -0.0755 0.0008	S135	1.0128	1.1453	-0.1326	0.0001
S137 0.8628 0.9383 -0.0755 0.0008	S136	1.1024	1.2635	-0.1611	0.0002
S138 1.3637 1.4659 -0.1022 0.0006	S137	0.8628	0.9383	-0.0755	0.0008
	S138	1.3637	1.4659	-0.1022	0.0006

Molecule	$\Delta \mathrm{E}(\mathrm{S}_0 ext{-}\mathrm{S}_1) \; [\mathrm{eV}]$	$rac{ ext{ADC(2)/cc-pVDZ}}{\Delta ext{E(S}_0 ext{-T}_1) ext{ [eV]}}$	$\Delta ext{E}(ext{S}_1 ext{-T}_1) \; [ext{eV}]$	$f_{12}(S_0-S_1)$
S139	0.9630	1.0968	-0.1338	0.0003
S140	1.1631	1.3178	-0.1547	0.0002
S141	2.6291	2.9075	-0.2784	0.0001
S142	2.9648	3.1741	-0.2093	0.0142
S143	2.8799	3.1287	-0.2487	0.0078
S144	2.7894	3.0666	-0.2773	0.0031
S145	2.6933	2.9736	-0.2803	0.0007
S146	2.6437	2.9239	-0.2802	0.0001
S147	2.6195	2.8962	-0.2767	0.0000
S148	2.9909	3.1876	-0.1967	0.0160
S149	2.5581	2.8238	-0.2657	0.0002
S150	2.4438	2.6696	-0.2258	0.0015
S151	2.4998	2.7560	-0.2562	0.0006
S152	2.5625	2.8273	-0.2648	0.0002
S153	2.4716	2.7011	-0.2295	0.0013
S154	2.9979	3.1921	-0.1942	0.0158
S155	2.4547	2.6846	-0.2299	0.0011
S156	2.5620	2.6955	-0.1335	0.0014
S157	2.5848	2.8451	-0.2602	0.0001
S158	2.5297	2.7863	-0.2566	0.0004
S159	1.5825	1.7423	-0.1597	0.0021
S160	1.5868	1.7322	-0.1453	0.0042
S161	1.5513	1.6869	-0.1357	0.0028
S162	1.5358	1.6702	-0.1344	0.0030
S163	1.8604	2.0408	-0.1804	0.0001
S164	1.8589	1.9358	-0.0768	0.0131
S165	1.4709	1.5304	-0.0595	0.0057
S166	1.4390	1.5253	-0.0863	0.0031
S167	1.7908	1.9783	-0.1875	0.0000
S168	1.8206	1.9074	-0.0869	0.0106
S169	1.4559	1.5486	-0.0927	0.0048
S170	1.4276	1.4952	-0.0676	0.0045
S170 S171	1.6908	1.8803	-0.1895	0.0033 0.0004
S171	1.7254	1.8512	-0.1258	0.0063
S172 S173	1.4260	1.5399	-0.1139	0.0048
S173	1.4346	1.5528	-0.1182	0.0040
S174 S175	1.6141	1.7852	-0.1711	0.0031 0.0016
S176	1.6352	1.7748	-0.1397	0.0010 0.0053
S176 S177	1.5352 1.5410	1.6979	-0.1569	0.0033
S177 S178	1.5410 1.5655	1.0979 1.7162	-0.1509 -0.1507	0.0035 0.0017
S179	1.5596	1.7206	-0.1610	0.0023
S180	1.5964	1.7398	-0.1434	0.0036
S181	1.4636	1.6089	-0.1453	0.0041
S182	1.4803	1.6261	-0.1458	0.0018
S183	1.5389	1.6926	-0.1537	0.0027
S184	1.5774	1.7198	-0.1424	0.0036

Molecule	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{S}_1) \; [\mathrm{eV}]$	$ ext{ADC(2)/cc-pVDZ} \ \Delta ext{E(S}_0 ext{-T}_1) ext{ [eV]}$	$oldsymbol{\Delta} ext{E}(ext{S}_1 ext{-T}_1) \; [ext{eV}]$	$f_{12}(S_0-S_1)$
				· · · · ·
S185	1.4698	1.6182	-0.1483	$0.0042 \\ 0.0016$
S186	1.4878	1.6359	-0.1481	
S187	1.9031	2.0739	-0.1708	0.0005
S188	1.9151	1.9609	-0.0459	0.0158
S189	1.4717	1.5852	-0.1135	0.0044
S190	1.4571	1.5190	-0.0619	0.0029
S191	1.4520	1.5665	-0.1146	0.0053
S192	1.5156	1.6496	-0.1339	0.0059
S193	1.5057	1.6463	-0.1406	0.0051
S194	1.5077	1.6555	-0.1477	0.0009
S195	1.3098	1.3604	-0.0506	0.0072
S196	1.4317	1.5206	-0.0888	0.0031
S197	1.6412	1.7847	-0.1435	0.0053
S198	1.6657	1.8132	-0.1474	0.0006
S199	1.4171	1.5275	-0.1104	0.0052
S200	1.4560	1.5908	-0.1349	0.0036
S201	1.5322	1.6814	-0.1493	0.0057
S202	1.5564	1.7075	-0.1511	0.0006
S203	1.4470	1.5735	-0.1265	0.0047
S204	1.5100	1.6495	-0.1395	0.0033
S205	1.5228	1.6729	-0.1501	0.0051
S206	1.5525	1.7051	-0.1526	0.0007
S207	1.3669	1.4456	-0.0788	0.0062
S208	1.4490	1.5555	-0.1064	0.0024
S209	1.5949	1.7447	-0.1498	0.0050
S210	1.6506	1.8004	-0.1498	0.0005
S211	1.8849	2.0562	-0.1714	0.0003
S212	1.8870	1.9526	-0.0656	0.0167
S213	1.4825	1.5969	-0.1144	0.0043
S214	1.4750	1.5967	-0.1216	0.0023
S215	1.3235	1.3851	-0.0615	0.0065
S216	1.3986	1.5029	-0.1042	0.0035
S217	1.6652	1.8059	-0.1407	0.0060
S218	1.7483	1.8861	-0.1378	0.0003
S219	1.4776	1.6004	-0.1228	0.0037
S220	1.5403	1.6661	-0.1258	0.0040
S221	1.5661	1.7283	-0.1622	0.0033
S222	1.5674	1.7244	-0.1571	0.0015
S223	1.3214	1.3645	-0.0432	0.0013
S223	1.4512	1.5470	-0.0958	0.0001
S224 S225	1.7024	1.8421	-0.1397	0.0023
S226	1.7790	1.9177	-0.1397 -0.1387	0.0048 0.0004
S220 S227				
	1.4335	1.5444	-0.1109	0.0048
S228	1.5085	1.6311	-0.1226	$0.0021 \\ 0.0029$
S229	1.6000	1.7642	-0.1642	
S230	1.6547	1.8073	-0.1527	0.0016

Molecule $\Delta E(S_0-S_1)$ [eV] $\Delta E(S_0-T_1)$ [eV] $\Delta E(S_1-T_1)$ [eV] $\Delta E(S_1-T_1)$ [eV] $f_{12}(S_0-S_1)$ S2311.90302.0436-0.14060.0033S2321.91682.0439-0.12710.0068S2331.89832.0235-0.12520.0048S2341.88731.9538-0.12650.0042S2351.88971.9900-0.09630.0042S2361.88941.9891-0.09970.0048S2372.17732.3290-0.15170.0007S2382.13512.2214-0.08630.0168S2392.20052.2253-0.02480.0235S2401.67251.7388-0.06630.0077S2411.79071.74980.04100.0090S2421.80971.8327-0.02300.0064S2432.11472.2710-0.15620.0007S2442.05912.1756-0.11650.0109S2452.15442.2043-0.04990.0176S2461.64881.7090-0.06020.0092S2471.83281.82180.01090.0076S2481.81991.8224-0.00250.0070S2492.00632.1730-0.14850.0049S2501.98222.1307-0.14850.0049S2512.07812.1628-0.08470.0119S2521.70381.8069-0.10310.0076S2531.81741.8772 <t< th=""><th></th><th></th><th></th><th></th><th></th></t<>					
S231 1.9030 2.0436 -0.1406 0.0033 S232 1.9168 2.0439 -0.1271 0.0068 S233 1.8983 2.0235 -0.1252 0.0048 S234 1.8273 1.9538 -0.1265 0.0042 S235 1.8937 1.9900 -0.0963 0.0042 S236 1.8894 1.9891 -0.0997 0.0048 S237 2.1773 2.3290 -0.1517 0.0007 S238 2.1351 2.2214 -0.0863 0.0168 S239 2.2005 2.2253 -0.0248 0.0235 S240 1.6725 1.7388 -0.0663 0.0077 S241 1.7907 1.7498 0.0410 0.0090 S242 1.8097 1.8327 -0.0230 0.0064 S243 2.1147 2.2710 -0.1562 0.007 S244 2.0591 2.1756 -0.1165 0.0109 S245 2.1544 2.2043 -0.0499 <t< th=""><th>ъл.1 1</th><th>ATRIC COLUMN</th><th></th><th></th><th>£ (C C)</th></t<>	ъл.1 1	ATRIC COLUMN			£ (C C)
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\$233 1.8983 2.0235 -0.1252 0.0048 \$234 1.8273 1.9538 -0.1265 0.0042 \$235 1.8937 1.9900 -0.0963 0.0042 \$236 1.8894 1.9891 -0.0997 0.0048 \$237 2.1773 2.3290 -0.1517 0.0007 \$238 2.1351 2.2214 -0.0863 0.0168 \$239 2.2005 2.2253 -0.0248 0.0235 \$240 1.6725 1.7388 -0.0663 0.0077 \$241 1.7907 1.7498 0.0410 0.0090 \$242 1.8097 1.8327 -0.0230 0.0064 \$243 2.1147 2.2710 -0.1562 0.0007 \$244 2.0591 2.1756 -0.1165 0.0107 \$244 2.0591 2.1756 -0.1165 0.007 \$244 2.0543 1.0499 0.0176 0.0076 \$244 2.0543 1.730 -0.662 0					
\$234 1.8273 1.9538 -0.1265 0.0042 \$235 1.8937 1.9900 -0.0963 0.0042 \$236 1.8894 1.9891 -0.0997 0.0048 \$237 2.1773 2.3290 -0.1517 0.0007 \$238 2.1351 2.2214 -0.0863 0.0168 \$239 2.2005 2.2253 -0.0248 0.0235 \$240 1.6725 1.7388 -0.0663 0.0077 \$241 1.7907 1.7498 0.0410 0.0090 \$242 1.8097 1.8327 -0.0230 0.0064 \$243 2.1147 2.2710 -0.1562 0.0007 \$244 2.0591 2.1756 -0.1165 0.0109 \$244 2.0591 2.1756 -0.1165 0.0109 \$244 2.0541 2.043 -0.0499 0.0176 \$244 2.0544 2.2043 -0.0199 0.0076 \$248 1.8199 1.8224 0.0025 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
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\$236 1.8894 1.9891 -0.0997 0.0048 \$237 2.1773 2.3290 -0.1517 0.0007 \$238 2.1351 2.2214 -0.0863 0.0168 \$239 2.2005 2.2253 -0.0248 0.0235 \$240 1.6725 1.7388 -0.0663 0.0077 \$241 1.7907 1.7498 0.0410 0.0090 \$242 1.8097 1.8327 -0.0230 0.0064 \$243 2.1147 2.2710 -0.1562 0.0007 \$244 2.0591 2.1756 -0.1165 0.0109 \$245 2.1544 2.2043 -0.0499 0.0176 \$244 2.0591 2.1756 -0.1165 0.0109 \$245 2.1544 2.2043 -0.0499 0.0176 \$244 2.0591 2.1756 -0.1165 0.0109 \$245 2.1544 2.2043 -0.0499 0.0176 \$248 1.8199 1.8224 -0.0602 <					
\$237 2.1773 2.3290 -0.1517 0.0007 \$238 2.1351 2.2214 -0.0863 0.0168 \$239 2.2005 2.2253 -0.0248 0.0235 \$240 1.6725 1.7388 -0.0663 0.0077 \$241 1.7907 1.7498 0.0410 0.0090 \$242 1.8097 1.8327 -0.0230 0.0064 \$243 2.1147 2.2710 -0.1562 0.0007 \$244 2.0591 2.1756 -0.1165 0.0109 \$245 2.1544 2.2043 -0.0499 0.0176 \$246 1.6488 1.7090 -0.0602 0.0092 \$247 1.8328 1.8218 0.0109 0.0076 \$248 1.8199 1.8224 -0.0025 0.0070 \$249 2.0663 2.1730 -0.1668 0.0013 \$250 1.9822 2.1307 -0.1485 0.0058 \$251 2.0781 2.1628 -0.0847 <t< td=""><td></td><td></td><td>1.9900</td><td>-0.0963</td><td>0.0042</td></t<>			1.9900	-0.0963	0.0042
\$238 2.1351 2.2214 -0.0863 0.0168 \$239 2.2005 2.2253 -0.0248 0.0235 \$240 1.6725 1.7388 -0.0663 0.0077 \$241 1.7907 1.7498 0.0410 0.0090 \$242 1.8097 1.8327 -0.0230 0.0064 \$243 2.1147 2.2710 -0.1562 0.0007 \$244 2.0591 2.1756 -0.1165 0.0109 \$245 2.1544 2.2043 -0.0499 0.0176 \$246 1.6488 1.7090 -0.0602 0.0092 \$247 1.8328 1.8218 0.0109 0.0076 \$248 1.8199 1.8224 -0.0025 0.0070 \$249 2.0063 2.1730 -0.1668 0.0013 \$250 1.9822 2.1307 -0.1485 0.0058 \$251 2.0781 2.1628 -0.0847 0.0119 \$252 1.7038 1.8069 -0.1031 <t< td=""><td></td><td></td><td></td><td>-0.0997</td><td></td></t<>				-0.0997	
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\$240 1.6725 1.7388 -0.0663 0.0077 \$241 1.7907 1.7498 0.0410 0.0090 \$242 1.8097 1.8327 -0.0230 0.0064 \$243 2.1147 2.2710 -0.1562 0.0007 \$244 2.0591 2.1756 -0.1165 0.0109 \$245 2.1544 2.2043 -0.0499 0.0176 \$246 1.6488 1.7090 -0.0602 0.0092 \$247 1.8328 1.8218 0.0109 0.0076 \$248 1.8199 1.8224 -0.0025 0.0076 \$249 2.0063 2.1730 -0.1668 0.0013 \$250 1.9822 2.1307 -0.1485 0.0058 \$251 2.0781 2.1628 -0.0847 0.0119 \$252 1.7038 1.8669 -0.1031 0.0073 \$253 1.8174 1.8772 -0.0597 0.058 \$254 1.7737 1.8563 -0.0826 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
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\$243 2.1147 2.2710 -0.1562 0.0007 \$244 2.0591 2.1756 -0.1165 0.0109 \$245 2.1544 2.2043 -0.0499 0.0176 \$246 1.6488 1.7090 -0.0602 0.0092 \$247 1.8328 1.8218 0.0109 0.0076 \$248 1.8199 1.8224 -0.0025 0.0070 \$249 2.0063 2.1730 -0.1668 0.0013 \$250 1.9822 2.1307 -0.1485 0.0058 \$251 2.0781 2.1628 -0.0847 0.0119 \$252 1.7038 1.8069 -0.1031 0.0073 \$251 1.7738 1.8563 -0.0826 0.0057 \$253 1.8174 1.8772 -0.0597 0.0058 \$254 1.7737 1.8563 -0.0826 0.0057 \$255 1.9413 2.0931 -0.1518 0.0028 \$256 1.9993 2.0493 -0.1400 <		1.7907	1.7498	0.0410	0.0090
\$244 2.0591 2.1756 -0.1165 0.0109 \$245 2.1544 2.2043 -0.0499 0.0176 \$246 1.6488 1.7090 -0.0602 0.0092 \$247 1.8328 1.8218 0.0109 0.0076 \$248 1.8199 1.8224 -0.0025 0.0070 \$249 2.0063 2.1730 -0.1668 0.0013 \$250 1.9822 2.1307 -0.1485 0.0058 \$251 2.0781 2.1628 -0.0847 0.0119 \$252 1.7038 1.8069 -0.1031 0.0073 \$252 1.7038 1.8069 -0.1031 0.0073 \$252 1.7038 1.8069 -0.1031 0.0073 \$252 1.7038 1.8069 -0.1031 0.0073 \$252 1.7038 1.8069 -0.1031 0.0073 \$254 1.7737 1.8563 -0.0826 0.0057 \$255 1.9413 2.0931 -0.1518 <		1.8097	1.8327	-0.0230	0.0064
S245 2.1544 2.2043 -0.0499 0.0176 S246 1.6488 1.7090 -0.0602 0.0092 S247 1.8328 1.8218 0.0109 0.0076 S248 1.8199 1.8224 -0.0025 0.0070 S249 2.0063 2.1730 -0.1668 0.0013 S250 1.9822 2.1307 -0.1485 0.0058 S251 2.0781 2.1628 -0.0847 0.0119 S252 1.7038 1.8069 -0.1031 0.0073 S253 1.8174 1.8772 -0.0597 0.0058 S254 1.7737 1.8563 -0.0826 0.0057 S255 1.9413 2.0931 -0.1518 0.0028 S256 1.9093 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 <				-0.1562	0.0007
S246 1.6488 1.7090 -0.0602 0.0092 S247 1.8328 1.8218 0.0109 0.0076 S248 1.8199 1.8224 -0.0025 0.0070 S249 2.0063 2.1730 -0.1668 0.0013 S250 1.9822 2.1307 -0.1485 0.0058 S251 2.0781 2.1628 -0.0847 0.0119 S252 1.7038 1.8069 -0.1031 0.0073 S253 1.8174 1.8772 -0.0597 0.0058 S254 1.7737 1.8563 -0.0826 0.0057 S255 1.9413 2.0931 -0.1518 0.0028 S256 1.9093 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 <		2.0591		-0.1165	0.0109
\$247 1.8328 1.8218 0.0109 0.0076 \$248 1.8199 1.8224 -0.0025 0.0070 \$249 2.0063 2.1730 -0.1668 0.0013 \$250 1.9822 2.1307 -0.1485 0.0058 \$251 2.0781 2.1628 -0.0847 0.0119 \$252 1.7038 1.8069 -0.1031 0.0073 \$253 1.8174 1.8772 -0.0597 0.0058 \$254 1.7737 1.8563 -0.0826 0.0057 \$255 1.9413 2.0931 -0.1518 0.0028 \$256 1.9993 2.0493 -0.1400 0.0088 \$257 1.9690 2.0798 -0.1107 0.0068 \$258 1.7176 1.8239 -0.1063 0.0069 \$259 1.7861 1.8465 -0.0603 0.0086 \$260 1.8744 2.0100 -0.1425 0.0037 \$262 1.8744 2.0160 -0.1416 <	S245	2.1544	2.2043	-0.0499	0.0176
\$248 1.8199 1.8224 -0.0025 0.0070 \$249 2.0063 2.1730 -0.1668 0.0013 \$250 1.9822 2.1307 -0.1485 0.0058 \$251 2.0781 2.1628 -0.0847 0.0119 \$252 1.7038 1.8069 -0.1031 0.0073 \$253 1.8174 1.8772 -0.0597 0.0058 \$254 1.7737 1.8563 -0.0826 0.0057 \$255 1.9413 2.0931 -0.1518 0.0028 \$256 1.9993 2.0493 -0.1400 0.0088 \$257 1.9690 2.0798 -0.1107 0.0068 \$258 1.7176 1.8239 -0.1063 0.0069 \$259 1.7861 1.8465 -0.0603 0.0086 \$260 1.8786 2.0110 -0.1324 0.0022 \$261 1.8840 2.0265 -0.1425 0.0037 \$262 1.8744 2.0160 -0.1416	S246	1.6488	1.7090	-0.0602	0.0092
S249 2.0063 2.1730 -0.1668 0.0013 S250 1.9822 2.1307 -0.1485 0.0058 S251 2.0781 2.1628 -0.0847 0.0119 S252 1.7038 1.8069 -0.1031 0.0073 S253 1.8174 1.8772 -0.0597 0.0058 S254 1.7737 1.8563 -0.0826 0.0057 S255 1.9413 2.0931 -0.1518 0.0028 S256 1.9093 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262		1.8328	1.8218	0.0109	
S250 1.9822 2.1307 -0.1485 0.0058 S251 2.0781 2.1628 -0.0847 0.0119 S252 1.7038 1.8069 -0.1031 0.0073 S253 1.8174 1.8772 -0.0597 0.0058 S254 1.7737 1.8563 -0.0826 0.0057 S255 1.9413 2.0931 -0.1518 0.0028 S256 1.9903 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143		1.8199	1.8224	-0.0025	0.0070
S251 2.0781 2.1628 -0.0847 0.0119 S252 1.7038 1.8069 -0.1031 0.0073 S253 1.8174 1.8772 -0.0597 0.0058 S254 1.7737 1.8563 -0.0826 0.0057 S255 1.9413 2.0931 -0.1518 0.0028 S256 1.9093 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083	S249	2.0063		-0.1668	0.0013
S252 1.7038 1.8069 -0.1031 0.0073 S253 1.8174 1.8772 -0.0597 0.0058 S254 1.7737 1.8563 -0.0826 0.0057 S255 1.9413 2.0931 -0.1518 0.0028 S256 1.9093 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S268 1.8556 1.9939 -0.1383 0.0054 </td <td></td> <td>1.9822</td> <td>2.1307</td> <td>-0.1485</td> <td></td>		1.9822	2.1307	-0.1485	
S253 1.8174 1.8772 -0.0597 0.0058 S254 1.7737 1.8563 -0.0826 0.0057 S255 1.9413 2.0931 -0.1518 0.0028 S256 1.9093 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1383 0.0054 S269 1.9193 2.0360 -0.1167 0.0049 </td <td></td> <td>2.0781</td> <td>2.1628</td> <td>-0.0847</td> <td>0.0119</td>		2.0781	2.1628	-0.0847	0.0119
S254 1.7737 1.8563 -0.0826 0.0057 S255 1.9413 2.0931 -0.1518 0.0028 S256 1.9093 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1354 0.0041 S268 1.8556 1.9939 -0.1383	S252	1.7038	1.8069	-0.1031	0.0073
S255 1.9413 2.0931 -0.1518 0.0028 S256 1.9093 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1354 0.0041 S268 1.8556 1.9939 -0.1383 0.0054 S269 1.9193 2.0360 -0.1167	S253	1.8174	1.8772	-0.0597	0.0058
S256 1.9093 2.0493 -0.1400 0.0088 S257 1.9690 2.0798 -0.1107 0.0068 S258 1.7176 1.8239 -0.1063 0.0069 S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1354 0.0041 S268 1.8556 1.9939 -0.1383 0.0054 S269 1.9193 2.0360 -0.1167 0.0049 S270 1.7776 1.9055 -0.1280	S254	1.7737	1.8563	-0.0826	0.0057
\$257 1.9690 2.0798 -0.1107 0.0068 \$258 1.7176 1.8239 -0.1063 0.0069 \$259 1.7861 1.8465 -0.0603 0.0086 \$260 1.8786 2.0110 -0.1324 0.0022 \$261 1.8840 2.0265 -0.1425 0.0037 \$262 1.8744 2.0160 -0.1416 0.0051 \$263 1.7681 1.8943 -0.1262 0.0057 \$264 1.7883 1.9026 -0.1143 0.0067 \$265 1.8205 1.9288 -0.1083 0.0030 \$266 1.9399 2.0554 -0.1155 0.0054 \$267 1.8643 1.9997 -0.1354 0.0041 \$268 1.8556 1.9939 -0.1383 0.0054 \$269 1.9193 2.0360 -0.1167 0.0049 \$270 1.7776 1.9055 -0.1280 0.0056 \$271 1.7899 1.9086 -0.1187	S255	1.9413	2.0931	-0.1518	0.0028
\$258\$ 1.7176 1.8239 -0.1063 0.0069 \$259\$ 1.7861 1.8465 -0.0603 0.0086 \$260 1.8786 2.0110 -0.1324 0.0022 \$261 1.8840 2.0265 -0.1425 0.0037 \$262 1.8744 2.0160 -0.1416 0.0051 \$263 1.7681 1.8943 -0.1262 0.0057 \$264 1.7883 1.9026 -0.1143 0.0067 \$265 1.8205 1.9288 -0.1083 0.0030 \$266 1.9399 2.0554 -0.1155 0.0054 \$267 1.8643 1.9997 -0.1354 0.0041 \$268 1.8556 1.9939 -0.1383 0.0054 \$269 1.9193 2.0360 -0.1167 0.0049 \$270 1.7776 1.9055 -0.1280 0.0056 \$271 1.7899 1.9086 -0.1187 0.0072 \$272 1.8196 1.9346 -0.1150 0.0027 \$273 2.2265 2.3624 -0.1359 0.0007		1.9093	2.0493	-0.1400	
S259 1.7861 1.8465 -0.0603 0.0086 S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1354 0.0041 S268 1.8556 1.9939 -0.1383 0.0054 S269 1.9193 2.0360 -0.1167 0.0049 S270 1.7776 1.9055 -0.1280 0.0056 S271 1.7899 1.9086 -0.1187 0.0072 S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 </td <td></td> <td></td> <td>2.0798</td> <td>-0.1107</td> <td></td>			2.0798	-0.1107	
S260 1.8786 2.0110 -0.1324 0.0022 S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1354 0.0041 S268 1.8556 1.9939 -0.1383 0.0054 S269 1.9193 2.0360 -0.1167 0.0049 S270 1.7776 1.9055 -0.1280 0.0056 S271 1.7899 1.9086 -0.1187 0.0072 S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253 </td <td></td> <td>1.7176</td> <td>1.8239</td> <td>-0.1063</td> <td></td>		1.7176	1.8239	-0.1063	
S261 1.8840 2.0265 -0.1425 0.0037 S262 1.8744 2.0160 -0.1416 0.0051 S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1354 0.0041 S268 1.8556 1.9939 -0.1383 0.0054 S269 1.9193 2.0360 -0.1167 0.0049 S270 1.7776 1.9055 -0.1280 0.0056 S271 1.7899 1.9086 -0.1187 0.0072 S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253	S259	1.7861	1.8465	-0.0603	0.0086
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1.8786	2.0110	-0.1324	0.0022
S263 1.7681 1.8943 -0.1262 0.0057 S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1354 0.0041 S268 1.8556 1.9939 -0.1383 0.0054 S269 1.9193 2.0360 -0.1167 0.0049 S270 1.7776 1.9055 -0.1280 0.0056 S271 1.7899 1.9086 -0.1187 0.0072 S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253	S261	1.8840	2.0265	-0.1425	0.0037
S264 1.7883 1.9026 -0.1143 0.0067 S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1354 0.0041 S268 1.8556 1.9939 -0.1383 0.0054 S269 1.9193 2.0360 -0.1167 0.0049 S270 1.7776 1.9055 -0.1280 0.0056 S271 1.7899 1.9086 -0.1187 0.0072 S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253					
S265 1.8205 1.9288 -0.1083 0.0030 S266 1.9399 2.0554 -0.1155 0.0054 S267 1.8643 1.9997 -0.1354 0.0041 S268 1.8556 1.9939 -0.1383 0.0054 S269 1.9193 2.0360 -0.1167 0.0049 S270 1.7776 1.9055 -0.1280 0.0056 S271 1.7899 1.9086 -0.1187 0.0072 S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253	S263	1.7681	1.8943	-0.1262	0.0057
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S269 1.9193 2.0360 -0.1167 0.0049 S270 1.7776 1.9055 -0.1280 0.0056 S271 1.7899 1.9086 -0.1187 0.0072 S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253					
S270 1.7776 1.9055 -0.1280 0.0056 S271 1.7899 1.9086 -0.1187 0.0072 S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253					
S271 1.7899 1.9086 -0.1187 0.0072 S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253					
S272 1.8196 1.9346 -0.1150 0.0027 S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253					
S273 2.2265 2.3624 -0.1359 0.0007 S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253					
S274 2.1449 2.2144 -0.0695 0.0189 S275 2.2338 2.2392 -0.0054 0.0253		1.8196		-0.1150	0.0027
S275 2.2338 2.2392 -0.0054 0.0253		2.2265		-0.1359	0.0007
		2.1449	2.2144	-0.0695	0.0189
S276 1.6584 1.7105 -0.0520 0.0080		2.2338	2.2392	-0.0054	0.0253
	S276	1.6584	1.7105	-0.0520	0.0080

Molecule AE(S ₀ -S ₁) [eV] AE(S ₀ -T ₁) [eV] AE(S ₁ -T ₁) [eV] f ₁₂ (S ₀ -S ₁) S277 1.8219 1.7318 0.0900 0.0108 S278 1.8233 1.8949 -0.0715 0.0044 S279 1.8070 1.9055 -0.0985 0.0061 S280 1.8624 1.9461 -0.0837 0.0134 S281 1.7951 1.9397 -0.1446 0.0031 S282 1.8118 1.9332 -0.1214 0.0052 S283 1.7570 1.8496 -0.0997 0.0122 S284 1.8211 1.9413 -0.1202 0.0015 S285 1.6348 1.6776 -0.0428 0.0096 S286 1.8091 1.8263 -0.0173 0.0076 S287 1.7039 1.8300 -0.1261 0.0017 S288 1.9519 2.0900 -0.1382 0.0033 S289 1.8704 2.0456 -0.1752 0.0003 S299 1.506 <t< th=""><th></th><th></th><th>m ADC(2)/cc-pVDZ</th><th></th><th></th></t<>			m ADC(2)/cc-pVDZ		
\$278 1.8233 1.8949 -0.0715 0.0044 \$279 1.8070 1.9055 -0.0985 0.0061 \$280 1.8624 1.9461 -0.0837 0.0134 \$281 1.7951 1.9397 -0.1446 0.0031 \$282 1.8118 1.9332 -0.1214 0.0052 \$283 1.7570 1.8496 -0.0927 0.0122 \$284 1.8211 1.9413 -0.1202 0.0015 \$285 1.6348 1.6776 -0.0428 0.0096 \$285 1.6348 1.6776 -0.0428 0.0096 \$285 1.6348 1.6776 -0.0428 0.0096 \$285 1.6348 1.6776 -0.0428 0.0096 \$285 1.8091 1.8263 -0.0173 0.0076 \$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752	Molecule	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{S}_1)~[\mathrm{eV}]$			$f_{12}(S_0-S_1)$
\$279 1.8070 1.9055 -0.0985 0.0061 \$280 1.8624 1.9461 -0.0837 0.0134 \$281 1.7951 1.9397 -0.1446 0.0031 \$282 1.8118 1.9332 -0.1214 0.0052 \$283 1.7570 1.8496 -0.0927 0.0122 \$284 1.8211 1.9413 -0.1022 0.0015 \$285 1.6348 1.6776 -0.0428 0.0096 \$286 1.8091 1.8263 -0.0173 0.0076 \$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1382 0.0037 \$288 1.9519 2.0900 -0.1382 0.0037 \$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0096 \$290 1.7966 1.8744 -0.01346	S277	1.8219	1.7318	0.0900	0.0108
\$280 1.8624 1.9461 -0.0837 0.0134 \$281 1.7951 1.9397 -0.1446 0.0031 \$282 1.8118 1.9332 -0.1214 0.0052 \$283 1.7570 1.8496 -0.0927 0.0122 \$284 1.8211 1.9413 -0.1202 0.0015 \$285 1.6348 1.6776 -0.0428 0.0096 \$286 1.8091 1.8263 -0.0173 0.0076 \$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0096 \$291 1.7540 1.8496 -0.0956 0.0071 \$292 1.7966 1.8784 -0.0818 0.0087 \$291 1.7576 1.8946 -0.1346 0.0020 \$294 1.8404 1.9744 -0.1346	S278	1.8233	1.8949	-0.0715	0.0044
\$281 1.7951 1.9397 -0.1446 0.0031 \$282 1.8118 1.9332 -0.1214 0.0052 \$283 1.7570 1.8496 -0.0927 0.0122 \$284 1.8211 1.9413 -0.1202 0.0015 \$285 1.6348 1.6776 -0.0428 0.0096 \$286 1.8091 1.8263 -0.0173 0.0076 \$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1332 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0096 \$291 1.7540 1.8496 -0.0956 0.0071 \$292 1.7966 1.8784 -0.0818 0.0085 \$291 1.7540 1.8496 -0.1346 0.0020 \$292 1.7966 1.8784 -0.0818 0.0081 \$292 1.7966 1.8784 -0.1336	S279	1.8070	1.9055	-0.0985	0.0061
\$282 1.8118 1.9332 -0.1214 0.0052 \$283 1.7570 1.8496 -0.0927 0.0122 \$284 1.8211 1.9413 -0.1202 0.0015 \$285 1.6348 1.6776 -0.0428 0.0096 \$286 1.8091 1.8263 -0.0173 0.0076 \$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0095 \$291 1.7540 1.8496 -0.0956 0.0071 \$292 1.7966 1.8784 -0.0818 0.0087 \$293 1.7719 1.9064 -0.1346 0.0020 \$294 1.8404 1.9744 -0.1340 0.0058 \$295 1.8054 1.9237 -0.1183 0.0105 \$296 1.8360 1.9743 -0.1830	S280	1.8624	1.9461	-0.0837	0.0134
\$283 1.7570 1.8496 -0.0927 0.0122 \$284 1.8211 1.9413 -0.1202 0.0015 \$285 1.6348 1.6776 -0.0428 0.0096 \$286 1.8091 1.8263 -0.0173 0.0076 \$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0096 \$291 1.7540 1.8496 -0.0956 0.0071 \$292 1.7966 1.8784 -0.0818 0.0087 \$292 1.7766 1.8784 -0.1346 0.0020 \$294 1.8404 1.9744 -0.1340 0.0058 \$295 1.8054 1.9237 -0.1183 0.0105 \$296 1.8360 1.9743 -0.1383 0.001 \$297 1.7786 1.8807 -0.1120 <	S281	1.7951	1.9397	-0.1446	0.0031
\$284 1.8211 1.9413 -0.1202 0.0015 \$285 1.6348 1.6776 -0.0428 0.0096 \$286 1.8091 1.8263 -0.0173 0.0076 \$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0096 \$291 1.7540 1.8496 -0.0956 0.0071 \$292 1.7966 1.8784 -0.0818 0.0087 \$293 1.7719 1.9064 -0.1346 0.0020 \$294 1.8404 1.9744 -0.1340 0.0058 \$295 1.8504 1.9237 -0.1183 0.0105 \$296 1.8360 1.9743 -0.1333 0.0011 \$297 1.7786 1.8907 -0.1120 0.0067 \$298 1.8234 1.9287 -0.1053	S282	1.8118	1.9332	-0.1214	0.0052
\$285 1.6348 1.6776 -0.0428 0.0096 \$286 1.8091 1.8263 -0.0173 0.0076 \$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0096 \$291 1.7540 1.8496 -0.0956 0.0071 \$292 1.7966 1.8784 -0.0818 0.0087 \$293 1.7719 1.9064 -0.1346 0.0020 \$294 1.8404 1.9744 -0.1340 0.0058 \$295 1.8054 1.9237 -0.1183 0.0105 \$296 1.8360 1.9743 -0.1383 0.0011 \$297 1.7786 1.8907 -0.1120 0.0067 \$298 1.8234 1.9287 -0.1361 0.0053 \$300 1.8271 1.9632 -0.1361	S283	1.7570	1.8496	-0.0927	0.0122
\$286 1.8091 1.8263 -0.0173 0.0076 \$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0096 \$291 1.7540 1.8496 -0.0956 0.0071 \$292 1.7966 1.8784 -0.0818 0.0087 \$293 1.7719 1.9064 -0.1346 0.0020 \$294 1.8404 1.9744 -0.1340 0.0058 \$295 1.8054 1.9237 -0.1183 0.0105 \$296 1.8360 1.9743 -0.1383 0.0011 \$297 1.7786 1.8907 -0.1120 0.0067 \$298 1.8234 1.9287 -0.1053 0.0066 \$299 1.8536 1.9784 -0.1248 0.0030 \$300 1.8271 1.9632 -0.1361	S284	1.8211	1.9413	-0.1202	0.0015
\$287 1.7039 1.8300 -0.1261 0.0017 \$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0096 \$291 1.7540 1.8496 -0.0956 0.0071 \$292 1.7966 1.8784 -0.0818 0.0087 \$293 1.7719 1.9064 -0.1346 0.0020 \$294 1.8404 1.9744 -0.1340 0.0058 \$295 1.8054 1.9237 -0.1183 0.0105 \$296 1.8360 1.9743 -0.1383 0.0011 \$297 1.7786 1.8907 -0.1120 0.0067 \$298 1.8234 1.9287 -0.1053 0.0066 \$299 1.8536 1.9784 -0.1248 0.0030 \$300 1.8271 1.9632 -0.1361 0.0053 \$301 1.8170 1.9359 -0.1189	S285	1.6348	1.6776	-0.0428	0.0096
\$288 1.9519 2.0900 -0.1382 0.0037 \$289 1.8704 2.0456 -0.1752 0.0003 \$290 1.9003 2.0339 -0.1336 0.0096 \$291 1.7540 1.8496 -0.0956 0.0071 \$292 1.7966 1.8784 -0.0818 0.0087 \$293 1.7719 1.9064 -0.1346 0.0020 \$294 1.8404 1.9744 -0.1340 0.0058 \$295 1.8054 1.9237 -0.1183 0.0105 \$296 1.8360 1.9743 -0.1383 0.0011 \$297 1.7786 1.8907 -0.1120 0.0067 \$298 1.8234 1.9287 -0.1053 0.0066 \$299 1.8536 1.9784 -0.1248 0.0030 \$300 1.8271 1.9632 -0.1361 0.0053 \$301 1.8170 1.9359 -0.1189 0.0092 \$302 1.8523 1.9830 -0.1307	S286	1.8091	1.8263	-0.0173	0.0076
S289 1.8704 2.0456 -0.1752 0.0003 S290 1.9003 2.0339 -0.1336 0.0096 S291 1.7540 1.8496 -0.0956 0.0071 S292 1.7966 1.8784 -0.0818 0.0087 S293 1.7719 1.9064 -0.1346 0.0020 S294 1.8404 1.9744 -0.1340 0.0058 S295 1.8054 1.9237 -0.1183 0.0105 S296 1.8360 1.9743 -0.1383 0.0011 S297 1.7786 1.8907 -0.1120 0.0067 S298 1.8234 1.9287 -0.1053 0.0066 S299 1.8536 1.9784 -0.1248 0.0030 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1361 0.0053 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7399 1.8430 -0.0431	S287	1.7039	1.8300	-0.1261	0.0017
S290 1.9003 2.0339 -0.1336 0.0096 S291 1.7540 1.8496 -0.0956 0.0071 S292 1.7966 1.8784 -0.0818 0.0087 S293 1.7719 1.9064 -0.1346 0.0020 S294 1.8404 1.9744 -0.1340 0.0058 S295 1.8054 1.9237 -0.1183 0.0105 S296 1.8360 1.9743 -0.1383 0.0011 S297 1.7786 1.8907 -0.1120 0.0067 S298 1.8234 1.9287 -0.1053 0.0066 S299 1.8536 1.9784 -0.1248 0.0030 S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431	S288	1.9519	2.0900	-0.1382	0.0037
S291 1.7540 1.8496 -0.0956 0.0071 S292 1.7966 1.8784 -0.0818 0.0087 S293 1.7719 1.9064 -0.1346 0.0020 S294 1.8404 1.9744 -0.1340 0.0058 S295 1.8054 1.9237 -0.1183 0.0105 S296 1.8360 1.9743 -0.1383 0.0011 S297 1.7786 1.8907 -0.1120 0.0067 S298 1.8234 1.9287 -0.1053 0.0066 S299 1.8536 1.9784 -0.1248 0.0030 S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.11402	S289	1.8704	2.0456	-0.1752	0.0003
S292 1.7966 1.8784 -0.0818 0.0087 S293 1.7719 1.9064 -0.1346 0.0020 S294 1.8404 1.9744 -0.1340 0.0058 S295 1.8054 1.9237 -0.1183 0.0105 S296 1.8360 1.9743 -0.1383 0.0011 S297 1.7786 1.8907 -0.1120 0.0067 S298 1.8234 1.9287 -0.1053 0.0066 S299 1.8536 1.9784 -0.1248 0.0030 S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S307 1.8490 1.9828 -0.1338	S290	1.9003	2.0339	-0.1336	0.0096
\$293 1.7719 1.9064 -0.1346 0.0020 \$294 1.8404 1.9744 -0.1340 0.0058 \$295 1.8054 1.9237 -0.1183 0.0105 \$296 1.8360 1.9743 -0.1383 0.0011 \$297 1.7786 1.8907 -0.1120 0.0067 \$298 1.8234 1.9287 -0.1053 0.0066 \$299 1.8536 1.9784 -0.1248 0.0030 \$300 1.8271 1.9632 -0.1361 0.0053 \$301 1.8170 1.9359 -0.1189 0.0092 \$302 1.8523 1.9830 -0.1307 0.0011 \$303 1.7019 1.7647 -0.0628 0.0087 \$304 1.7999 1.8430 -0.0431 0.0053 \$305 1.7703 1.8847 -0.1144 0.0020 \$306 1.9023 2.0426 -0.1402 0.0047 \$307 1.8490 1.9828 -0.1338	S291	1.7540	1.8496	-0.0956	0.0071
S294 1.8404 1.9744 -0.1340 0.0058 S295 1.8054 1.9237 -0.1183 0.0105 S296 1.8360 1.9743 -0.1383 0.0011 S297 1.7786 1.8907 -0.1120 0.0067 S298 1.8234 1.9287 -0.1053 0.0066 S299 1.8536 1.9784 -0.1248 0.0030 S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587	S292	1.7966	1.8784	-0.0818	0.0087
S295 1.8054 1.9237 -0.1183 0.0105 S296 1.8360 1.9743 -0.1383 0.0011 S297 1.7786 1.8907 -0.1120 0.0067 S298 1.8234 1.9287 -0.1053 0.0066 S299 1.8536 1.9784 -0.1248 0.0030 S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S310 2.1452 2.2224 -0.0772	S293	1.7719	1.9064	-0.1346	0.0020
S296 1.8360 1.9743 -0.1383 0.0011 S297 1.7786 1.8907 -0.1120 0.0067 S298 1.8234 1.9287 -0.1053 0.0066 S299 1.8536 1.9784 -0.1248 0.0030 S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178	S294	1.8404	1.9744	-0.1340	0.0058
S297 1.7786 1.8907 -0.1120 0.0067 S298 1.8234 1.9287 -0.1053 0.0066 S299 1.8536 1.9784 -0.1248 0.0030 S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178	S295	1.8054	1.9237	-0.1183	0.0105
S298 1.8234 1.9287 -0.1053 0.0066 S299 1.8536 1.9784 -0.1248 0.0030 S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 </td <td>S296</td> <td>1.8360</td> <td>1.9743</td> <td>-0.1383</td> <td>0.0011</td>	S296	1.8360	1.9743	-0.1383	0.0011
S299 1.8536 1.9784 -0.1248 0.0030 S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 </td <td>S297</td> <td>1.7786</td> <td>1.8907</td> <td>-0.1120</td> <td>0.0067</td>	S297	1.7786	1.8907	-0.1120	0.0067
S300 1.8271 1.9632 -0.1361 0.0053 S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0053 </td <td>S298</td> <td>1.8234</td> <td>1.9287</td> <td>-0.1053</td> <td>0.0066</td>	S298	1.8234	1.9287	-0.1053	0.0066
S301 1.8170 1.9359 -0.1189 0.0092 S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 </td <td>S299</td> <td>1.8536</td> <td>1.9784</td> <td>-0.1248</td> <td>0.0030</td>	S299	1.8536	1.9784	-0.1248	0.0030
S302 1.8523 1.9830 -0.1307 0.0011 S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 </td <td>S300</td> <td>1.8271</td> <td>1.9632</td> <td>-0.1361</td> <td>0.0053</td>	S300	1.8271	1.9632	-0.1361	0.0053
S303 1.7019 1.7647 -0.0628 0.0087 S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 </td <td>S301</td> <td>1.8170</td> <td>1.9359</td> <td>-0.1189</td> <td>0.0092</td>	S301	1.8170	1.9359	-0.1189	0.0092
S304 1.7999 1.8430 -0.0431 0.0053 S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0066 </td <td>S302</td> <td>1.8523</td> <td>1.9830</td> <td>-0.1307</td> <td>0.0011</td>	S302	1.8523	1.9830	-0.1307	0.0011
S305 1.7703 1.8847 -0.1144 0.0020 S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0066 S320 1.8728 2.0059 -0.1330 0.0098 </td <td>S303</td> <td>1.7019</td> <td>1.7647</td> <td>-0.0628</td> <td>0.0087</td>	S303	1.7019	1.7647	-0.0628	0.0087
S306 1.9023 2.0426 -0.1402 0.0047 S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062 </td <td>S304</td> <td>1.7999</td> <td>1.8430</td> <td>-0.0431</td> <td>0.0053</td>	S304	1.7999	1.8430	-0.0431	0.0053
S307 1.8490 1.9828 -0.1338 0.0104 S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S305	1.7703	1.8847	-0.1144	0.0020
S308 1.8941 2.0528 -0.1587 0.0005 S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S306	1.9023	2.0426	-0.1402	0.0047
S309 2.1959 2.3386 -0.1427 0.0008 S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S307	1.8490	1.9828	-0.1338	0.0104
S310 2.1452 2.2224 -0.0772 0.0232 S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S308	1.8941	2.0528	-0.1587	0.0005
S311 2.2204 2.2382 -0.0178 0.0242 S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S309	2.1959	2.3386	-0.1427	0.0008
S312 1.7523 1.8545 -0.1022 0.0061 S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S310	2.1452	2.2224	-0.0772	0.0232
S313 1.7833 1.7910 -0.0077 0.0097 S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S311	2.2204	2.2382	-0.0178	0.0242
S314 1.8316 1.9004 -0.0688 0.0042 S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S312	1.7523	1.8545	-0.1022	0.0061
S315 1.6619 1.7114 -0.0494 0.0082 S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S313	1.7833	1.7910	-0.0077	0.0097
S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S314	1.8316	1.9004	-0.0688	0.0042
S316 1.7497 1.7851 -0.0354 0.0078 S317 1.7164 1.8479 -0.1315 0.0013 S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062					
S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S316	1.7497	1.7851	-0.0354	0.0078
S318 1.9534 2.0928 -0.1394 0.0053 S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062	S317	1.7164	1.8479	-0.1315	0.0013
S319 1.9797 2.1296 -0.1499 0.0006 S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062					
S320 1.8728 2.0059 -0.1330 0.0098 S321 1.7869 1.8970 -0.1101 0.0062					
S321 1.7869 1.8970 -0.1101 0.0062			2.0059	-0.1330	
			1.8970		0.0062
S322 1.8727 1.9690 -0.0963 0.0066	S322	1.8727	1.9690	-0.0963	0.0066

		1.D.G(2) /	-	
ъл.1 1	ATRIC COLUMN	ADC(2)/cc-pVDZ		£ (C C)
Molecule	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{S}_1) \; [\mathrm{eV}]$	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{T}_1) \; [\mathrm{eV}]$	$\Delta \mathrm{E}(\mathrm{S}_1\text{-}\mathrm{T}_1) \; [\mathrm{eV}]$	$f_{12}(S_0-S_1)$
S323	1.8831	1.9957	-0.1126	0.0043
S324	1.8624	2.0076	-0.1452	0.0033
S325	1.8720	2.0172	-0.1451	0.0016
S326	1.8979	2.0251	-0.1272	0.0076
S327	1.6637	1.6923	-0.0286	0.0085
S328	1.7874	1.8251	-0.0377	0.0045
S329	1.8779	1.9873	-0.1094	0.0034
S330	1.9837	2.1261	-0.1424	0.0035
S331	1.9705	2.1414	-0.1709	0.0008
S332	1.8822	2.0290	-0.1468	0.0096
S333	1.7696	1.8617	-0.0922	0.0067
S334	1.8651	1.9413	-0.0761	0.0038
S335	1.8430	1.9576	-0.1146	0.0027
S336	1.9078	2.0572	-0.1495	0.0036
S337	1.8971	2.0414	-0.1443	0.0059
S338	1.9440	2.0943	-0.1503	0.0012
S339	2.1396	2.3239	-0.1843	0.0018
S340	2.1455	2.3128	-0.1672	0.0042
S341	2.0751	2.2267	-0.1516	0.0028
S342	2.4126	2.6099	-0.1973	0.0008
S343	2.4502	2.5198	-0.0696	0.0210
S344	1.8791	1.8959	-0.0168	0.0073
S345	2.3253	2.5373	-0.2121	0.0001
S346	2.3882	2.4933	-0.1050	0.0141
S347	1.9002	1.9666	-0.0665	0.0073
S348	2.2302	2.4487	-0.2186	0.0002
S349	2.3084	2.4520	-0.1436	0.0079
S350	1.9526	2.0858	-0.1332	0.0051
S351	2.1736	2.3741	-0.2006	0.0013
S352	2.1950	2.3554	-0.1604	0.0060
S353	1.9501	2.0633	-0.1132	0.0066
S354	2.1176	2.3077	-0.1901	0.0021
S355	1.9922	2.1517	-0.1595	0.0046
S356	2.1629	2.3284	-0.1655	0.0036
S357	2.0987	2.2809	-0.1822	0.0025
S358	2.1402	2.3055	-0.1653	0.0033
S359	1.9976	2.1596	-0.1620	0.0048
S360	2.4370	2.6254	-0.1883	0.0014
S361	2.4734	2.5354	-0.0620	0.0240
S362	1.8559	1.9010	-0.0451	0.0077
S363	2.0401	2.1848	-0.1447	0.0050
S364	2.0290	2.2008	-0.1718	0.0028
S365	2.0249	2.1718	-0.1469	0.0048
S366	1.9140	1.9854	-0.0714	0.0080
S367	1.9381	2.0754	-0.1373	0.0024
S368	2.1175	2.2991	-0.1816	0.0056
2300	2.1110	2.2001	0.1010	0.000

		ADC(2)/cc-pVDZ	<u> </u>	
Molecule	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{S}_1)~[\mathrm{eV}]$	$\Delta \mathrm{E}(\mathrm{S}_0 ext{-}\mathrm{T}_1)~[\mathrm{eV}]$	$\Delta \mathrm{E}(\mathrm{S}_1\text{-}\mathrm{T}_1) \; [\mathrm{eV}]$	$f_{12}(S_0-S_1)$
S369	2.0056	2.1412	-0.1356	0.0054
S370	1.9997	2.1618	-0.1621	0.0032
S371	2.0251	2.1905	-0.1654	0.0061
S372	2.0263	2.1806	-0.1543	0.0049
S373	2.0745	2.2358	-0.1614	0.0028
S374	2.0306	2.2006	-0.1699	0.0051
S375	1.9545	2.0547	-0.1002	0.0070
S376	1.9885	2.1264	-0.1379	0.0023
S377	2.0853	2.2679	-0.1826	0.0054
S378	2.4255	2.6128	-0.1874	0.0012
S379	2.4719	2.5272	-0.0552	0.0243
S380	1.8839	1.9314	-0.0475	0.0079
S381	1.9302	2.0119	-0.0818	0.0071
S382	1.9549	2.0970	-0.1421	0.0031
S383	2.1284	2.3188	-0.1904	0.0035
S384	2.0420	2.1939	-0.1519	0.0037
S385	2.1097	2.2617	-0.1520	0.0028
S386	2.0953	2.2703	-0.1750	0.0036
S387	1.9236	1.9890	-0.0654	0.0067
S388	2.0933	2.2413	-0.1480	0.0020
S389	2.1194	2.3125	-0.1931	0.0044
S390	2.0096	2.1448	-0.1352	0.0050
S391	2.0612	2.2150	-0.1537	0.0018
S392	2.1244	2.3185	-0.1941	0.0029
S393	2.0986	2.2708	-0.1722	0.0063
S394	2.0805	2.2434	-0.1629	0.0059
S395	2.0254	2.1752	-0.1498	0.0056
S396	2.4303	2.5581	-0.1278	0.0097
S397	2.3661	2.4211	-0.0550	0.0292
S398	1.8763	1.9412	-0.0649	0.0093
S399	2.3376	2.4915	-0.1539	0.0065
S400	2.3073	2.3975	-0.0902	0.0214
S401	1.8684	1.9219	-0.0535	0.0104
S402	2.2268	2.4141	-0.1873	0.0039
S403	2.2418	2.3640	-0.1221	0.0143
S404	1.9055	2.0234	-0.1179	0.0086
S405	2.1403	2.3165	-0.1762	0.0074
S406	2.1423	2.2929	-0.1506	0.0081
S407	2.0375	2.2144	-0.1769	0.0041
S408	2.0863	2.2639	-0.1776	0.0055
S409	1.9507	2.1067	-0.1560	0.0059
S410	2.1127	2.2698	-0.1570	0.0062
S411	2.0644	2.2371	-0.1727	0.0062
S412	2.0916	2.2509	-0.1593	0.0053
S413	1.9561	2.1162	-0.1602	0.0056
S414	2.4583	2.5654	-0.1070	0.0114

		ADC(2)/cc-pVDZ		
Molecule	$\Delta \mathrm{E}(\mathrm{S}_0\text{-}\mathrm{S}_1)~[\mathrm{eV}]$	$\Delta \mathrm{E}(\mathrm{S}_0 ext{-}\mathrm{T}_1)~[\mathrm{eV}]$	$\Delta \mathrm{E}(\mathrm{S}_1\text{-}\mathrm{T}_1) \; [\mathrm{eV}]$	$f_{12}(S_0-S_1)$
S415	2.3862	2.4304	-0.0442	0.0311
S416	1.9367	2.0488	-0.1120	0.0068
S417	2.0163	2.1542	-0.1379	0.0133
S418	2.0121	2.1892	-0.1771	0.0028
S419	1.9750	2.1311	-0.1561	0.0040
S420	1.8981	1.9854	-0.0873	0.0108
S421	1.9251	2.0920	-0.1669	0.0007
S422	2.0981	2.3012	-0.2031	0.0020
S423	1.9479	2.0816	-0.1337	0.0101
S424	1.9694	2.1483	-0.1789	0.0017
S425	2.0084	2.1815	-0.1731	0.0045
S426	1.9912	2.1419	-0.1507	0.0086
S427	2.0425	2.2101	-0.1676	0.0030
S428	2.0070	2.1810	-0.1740	0.0043
S429	1.9166	2.0186	-0.1020	0.0090
S430	1.9659	2.1274	-0.1615	0.0011
S431	2.0814	2.2752	-0.1938	0.0033
S432	2.4413	2.5582	-0.1169	0.0142
S433	2.3891	2.4334	-0.0442	0.0305
S434	1.9335	2.0389	-0.1054	0.0067
S435	1.8837	1.9744	-0.0907	0.0104
S436	1.9314	2.1037	-0.1722	0.0010
S437	2.1512	2.3362	-0.1850	0.0032
S438	2.0243	2.1654	-0.1412	0.0081
S439	2.0498	2.2104	-0.1605	0.0037
S440	2.0379	2.2233	-0.1854	0.0032
S441	1.9189	2.0105	-0.0916	0.0079
S442	2.0722	2.2270	-0.1548	0.0035
S443	2.1641	2.3662	-0.2022	0.0024
S444	1.9852	2.1169	-0.1317	0.0067
S445	2.0153	2.1822	-0.1669	0.0023
S446	2.1097	2.3034	-0.1937	0.0031