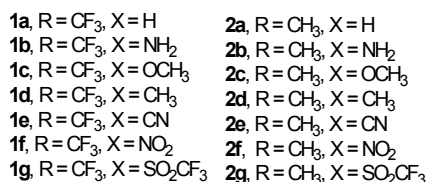
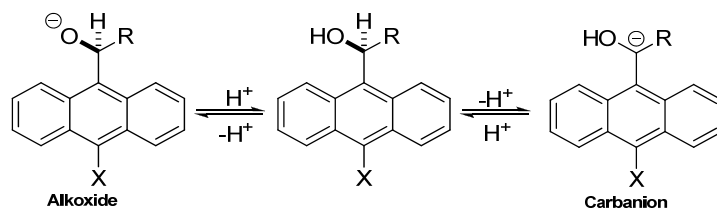


# Supplementary Materials

Computed Cartesian Coordinates and Energies of 1b–1g and 2b–2g. Calculated at the B3LYP/6–31+G(d,p) level of theory.



## Carbanion 1b

E Gibbs = -1045.7339 a.u.

E scf = -1045.6894 a.u.

Enthalpy = -1045.6712 a.u.

C	0.000000	0.000000	0.000000
C	0.000000	0.000000	1.387386
C	1.237303	0.000000	2.072171
C	2.424486	0.083054	1.373127
C	2.447881	0.156852	-0.056015
C	1.194470	0.009001	-0.753924
C	1.184147	-0.086381	-2.214708
C	2.301542	0.593250	-2.889161
C	3.539630	0.767732	-2.148728
C	3.633286	0.424915	-0.777189
C	4.653934	1.327939	-2.853386
C	4.564233	1.743326	-4.168099
C	3.344863	1.627036	-4.863322
C	2.247644	1.059224	-4.222746
C	0.197255	-0.799863	-2.887084
C	-0.660106	-1.884750	-2.366155
O	-0.047499	-0.591352	-4.255118
F	-1.995885	-1.563704	-2.119493
F	-0.226647	-2.511246	-1.253500
F	-0.775380	-2.892086	-3.333177
H	-0.011077	-1.445309	-4.708435
H	-0.947455	0.004372	-0.529152
H	-0.938381	0.003296	1.935768
H	1.254901	-0.034713	3.160515
H	3.376884	0.125879	1.890377
N	4.876002	0.523389	-0.045052
H	5.591785	1.458677	-2.321399
H	5.434677	2.178961	-4.656351
H	3.255336	1.975140	-5.889371
H	1.313234	0.974635	-4.758276
H	5.207111	1.486343	0.025087
H	5.614924	-0.008222	-0.498960

**Alkoxide 1b****E Gibbs = -1045.7462 a.u.****E scf = -1045.7014 a.u.****Enthalpy = -1045.6836 a.u.**

C	0.000000	0.000000	0.000000
C	0.000000	0.000000	1.372459
C	1.226678	0.000000	2.089738
C	2.412561	0.012507	1.399766
C	2.456668	0.030835	-0.032787
C	1.208349	0.020811	-0.779084
C	1.199567	0.038928	-2.198486
C	2.450411	0.016351	-2.869155
C	3.698136	-0.020395	-2.135264
C	3.685950	0.044771	-0.724670
C	4.928729	-0.119331	-2.864813
C	4.946953	-0.139351	-4.237376
C	3.728561	-0.046349	-4.963922
C	2.526402	0.029870	-4.305599
C	-0.143829	0.151364	-3.022617
C	-0.637915	-1.304275	-3.346867
O	-0.106267	0.912925	-4.113867
F	-1.896470	-1.293273	-3.871124
F	-0.720081	-2.131847	-2.242022
F	0.137292	-1.973568	-4.243632
H	-0.921329	0.472646	-2.288223
H	-0.949525	-0.024153	-0.516547
H	-0.943593	-0.015660	1.912222
H	1.226246	-0.025328	3.176810
H	3.337648	-0.032259	1.967194
N	4.908125	0.071433	-0.010924
H	5.867875	-0.226861	-2.329764
H	5.893672	-0.230603	-4.766050
H	3.749499	-0.034882	-6.051217
H	1.579004	0.152635	-4.825054
H	4.832403	0.522710	0.891262
H	5.657282	0.505348	-0.535128

**Carbanion 1c****E Gibbs = -1104.8894 a.u.****E scf = -1104.8432 a.u.****Enthalpy = -1104.8238 a.u.**

C	-1.228657	1.843777	-0.882266
C	-1.046853	3.219802	-0.865736
C	0.113554	3.753050	-0.258335
C	1.097152	2.913709	0.222920
C	0.967027	1.489807	0.138963
C	-0.289279	0.948703	-0.324158
C	-0.540186	-0.492509	-0.253113
C	0.658647	-1.345651	-0.250480

C	1.915105	-0.767065	0.186982
C	2.021199	0.614925	0.443386
C	3.044165	-1.632630	0.340975
C	2.982713	-2.972238	0.018646
C	1.784228	-3.522478	-0.483778
C	0.657370	-2.717876	-0.603049
C	-1.842400	-0.985853	-0.164148
C	-3.037785	-0.308794	0.371971
O	-2.144439	-2.311837	-0.521530
F	-3.995695	0.113345	-0.555405
F	-2.817474	0.755510	1.171444
F	-3.774133	-1.210115	1.154362
H	-2.606286	-2.732937	0.217361
H	-2.118426	1.435642	-1.349452
H	-1.788705	3.875288	-1.313820
H	0.246499	4.831739	-0.193661
H	2.000426	3.321061	0.666018
H	3.964870	-1.202218	0.720943
H	3.864197	-3.599282	0.142005
H	1.734767	-4.569678	-0.771954
H	-0.257290	-3.147265	-0.984160
O	3.240719	1.137586	0.908347
C	4.133735	1.522683	-0.134141
H	3.693568	2.300167	-0.772980
H	5.034601	1.919198	0.347926
H	4.408861	0.665478	-0.764222

**Alkoxide 1c****E Gibbs = -1104.9005 a.u.****E scf = -1104.8540 a.u.****Enthalpy = -1104.8349 a.u.**

C	0.000000	0.000000	0.000000
C	0.000000	0.000000	1.372901
C	1.225513	0.000000	2.097229
C	2.415934	0.019598	1.417843
C	2.451326	0.038995	-0.014009
C	1.212547	0.026440	-0.771670
C	1.227155	0.045054	-2.193803
C	2.485113	0.038777	-2.854879
C	3.722744	0.015075	-2.103178
C	3.671739	0.050726	-0.702099
C	4.974660	-0.052367	-2.796433
C	5.015712	-0.068250	-4.167207
C	3.807516	-0.001851	-4.918349
C	2.588460	0.053822	-4.289553
C	-0.108633	0.147742	-3.032916
C	-0.590268	-1.312749	-3.353551
O	-0.059825	0.905182	-4.124774
F	-1.835559	-1.310388	-3.905942
F	-0.693613	-2.128419	-2.242018

F	0.208362	-1.986956	-4.225431
H	-0.893626	0.469058	-2.306171
H	-0.948041	-0.025650	-0.519405
H	-0.944710	-0.018127	1.910635
H	1.215043	-0.022102	3.184503
H	3.360152	-0.004200	1.951762
H	5.885579	-0.115923	-2.210421
H	5.972666	-0.129700	-4.681780
H	3.852366	0.011158	-6.004910
H	1.651985	0.160181	-4.830736
O	4.861342	0.056280	0.026560
C	5.379589	1.362742	0.274376
H	4.677809	1.961862	0.870035
H	6.310034	1.229667	0.834291
H	5.590094	1.892558	-0.663578

**Carbanion 1d****E Gibbs = -1029.6859 a.u.****E scf = -1029.6411 a.u.****Enthalpy = -1029.6228 a.u.**

C	-0.029368	0.096719	-0.014623
C	-0.027833	0.144865	1.373117
C	1.210126	0.120886	2.050703
C	2.397579	0.121303	1.344107
C	2.431773	0.130290	-0.089738
C	1.159962	0.026865	-0.768817
C	1.131406	-0.106643	-2.225737
C	2.255296	0.538523	-2.918426
C	3.512097	0.656397	-2.200183
C	3.626789	0.298767	-0.830475
C	4.625153	1.193598	-2.926562
C	4.519640	1.625302	-4.234790
C	3.283788	1.553320	-4.907104
C	2.184225	1.015270	-4.247351
C	0.126392	-0.812850	-2.874578
C	-0.765796	-1.851902	-2.317256
O	-0.113119	-0.640877	-4.247937
F	-2.088688	-1.476211	-2.082492
F	-0.352698	-2.452041	-1.182135
F	-0.913428	-2.887190	-3.247148
H	-0.082075	-1.506910	-4.678181
H	-0.976341	0.125277	-0.544274
H	-0.962760	0.209136	1.923205
H	1.234857	0.139425	3.139176
H	3.332263	0.165539	1.893950
H	5.575836	1.307088	-2.415865
H	5.391680	2.044368	-4.734604
H	3.183972	1.915454	-5.927375
H	1.234988	0.963625	-4.761267
C	4.972915	0.295329	-0.144755

H	4.974803	-0.367527	0.727244
H	5.761701	-0.071269	-0.812247
H	5.295385	1.290695	0.211222

**Alkoxide 1d****E Gibbs = -1029.6941 a.u.****E scf = -1029.6481 a.u.****Enthalpy = -1029.6300 a.u.**

C	0.194976	-2.569115	0.360625
C	1.088566	-3.601177	0.229573
C	2.461926	-3.325263	-0.006427
C	2.890153	-2.025886	-0.097118
C	1.993417	-0.910176	0.035583
C	0.583584	-1.187643	0.274116
C	-0.357249	-0.131442	0.406903
C	0.107731	1.200689	0.253270
C	1.503729	1.474345	-0.023736
C	2.445675	0.421928	-0.087918
C	1.895292	2.839119	-0.243673
C	0.990555	3.868725	-0.173978
C	-0.369271	3.603734	0.143294
C	-0.793469	2.316659	0.357817
C	-1.869776	-0.408331	0.781082
C	-2.682299	-0.558339	-0.555981
O	-2.439560	0.459772	1.612043
F	-3.945253	-1.010683	-0.313949
F	-2.142628	-1.467031	-1.447156
F	-2.824735	0.597942	-1.259340
H	-1.897840	-1.458269	1.157335
H	-0.846782	-2.806850	0.523734
H	0.743312	-4.629615	0.299580
H	3.171706	-4.141467	-0.120854
H	3.939364	-1.841777	-0.295947
H	2.927085	3.064179	-0.489152
H	1.319316	4.890417	-0.355051
H	-1.075232	4.426830	0.226028
H	-1.809297	2.076412	0.660995
C	3.910779	0.742776	-0.309224
H	4.566987	-0.066156	0.014525
H	4.136768	0.944156	-1.366497
H	4.210435	1.629241	0.257871

**Carbanion 1e****E Gibbs = -1082.6723 a.u.****E scf = -1089.6272 a.u.****Enthalpy = -1082.6089 a.u.**

C	-0.009450	0.013816	0.008784
C	-0.006096	0.011299	1.397614
C	1.227858	0.007290	2.077794
C	2.416404	0.078180	1.373020
C	2.433951	0.138892	-0.048719

C	1.185436	0.013999	-0.739448
C	1.186626	-0.076773	-2.208830
C	2.279056	0.660676	-2.876474
C	3.524511	0.788703	-2.169576
C	3.630568	0.382240	-0.796505
C	4.627379	1.365181	-2.859800
C	4.504604	1.857237	-4.146569
C	3.264284	1.802811	-4.808791
C	2.179843	1.205204	-4.176528
C	0.264110	-0.830432	-2.900036
C	-0.634712	-1.896190	-2.368552
O	0.093291	-0.678219	-4.278011
F	-1.949219	-1.520902	-2.154262
F	-0.228128	-2.503301	-1.238173
F	-0.743575	-2.911568	-3.313238
H	0.089285	-1.552669	-4.691677
H	-0.957262	0.023630	-0.519246
H	-0.943133	0.014990	1.947602
H	1.250261	-0.016977	3.165341
H	3.362458	0.128050	1.904482
C	4.878622	0.422257	-0.138944
H	5.576468	1.443476	-2.337420
H	5.367217	2.306337	-4.634657
H	3.150721	2.215873	-5.807783
H	1.230493	1.154354	-4.690595
N	5.916723	0.449142	0.409595

**Alkoxide 1e****E Gibbs = -1082.6674 a.u.****E scf = -1082.6216 a.u.****Enthalpy = -1082.6034 a.u.**

C	-0.507165	-2.523324	-0.484317
C	-1.587358	-3.365893	-0.394821
C	-2.887654	-2.842715	-0.165857
C	-3.064951	-1.489500	-0.028401
C	-1.960842	-0.584969	-0.110614
C	-0.630651	-1.098508	-0.355072
C	0.487143	-0.216686	-0.449907
C	0.269429	1.182701	-0.304297
C	-1.048147	1.702681	-0.022745
C	-2.143183	0.807696	0.062469
C	-1.221412	3.107498	0.173029
C	-0.153997	3.966215	0.087476
C	1.142484	3.468808	-0.215566
C	1.347492	2.126535	-0.416133
C	1.932606	-0.760122	-0.787303
C	2.666010	-1.039089	0.574028
O	2.655619	-0.010220	-1.609938
F	3.849563	-1.676329	0.367772
F	1.956583	-1.858547	1.429709
F	2.955436	0.078707	1.292717

H	1.783520	-1.800937	-1.157603
H	0.471041	-2.950551	-0.654194
H	-1.445370	-4.438003	-0.501221
H	-3.741103	-3.512775	-0.099809
H	-4.055909	-1.083279	0.150036
C	-3.449562	1.315764	0.334079
H	-2.215350	3.485853	0.391674
H	-0.305926	5.032548	0.239359
H	1.976011	4.160523	-0.307803
H	2.307418	1.714563	-0.716598
N	-4.519727	1.728449	0.554990

**Carbanion 1f****E Gibbs = -1194.9352 a.u.****E scf = -1194.8889 a.u.****Enthalpy = -1194.8700 a.u.**

C	0.000000	0.000000	0.000000
C	0.000000	0.000000	1.389464
C	1.231904	0.000000	2.059878
C	2.430086	0.040926	1.357671
C	2.458843	0.086980	-0.061688
C	1.199669	0.002934	-0.732720
C	1.193977	-0.025889	-2.205425
C	2.196662	0.872061	-2.812071
C	3.468418	0.967369	-2.158996
C	3.650284	0.304180	-0.871145
C	4.450570	1.777955	-2.787777
C	4.176147	2.490018	-3.948067
C	2.913557	2.421889	-4.552751
C	1.940480	1.607815	-3.984004
C	0.373259	-0.823236	-2.948442
C	-0.492497	-1.946918	-2.456389
O	0.254383	-0.653789	-4.323020
F	-1.812603	-1.612835	-2.260001
F	-0.076478	-2.554170	-1.333616
F	-0.538595	-2.937750	-3.424715
H	0.244661	-1.523232	-4.746889
H	-0.942971	0.008481	-0.537607
H	-0.937142	0.000434	1.939737
H	1.259125	-0.009015	3.147486
H	3.369845	0.054669	1.889371
N	4.917302	-0.007392	-0.388339
H	5.427990	1.841100	-2.333187
H	4.955055	3.115169	-4.379827
H	2.695300	2.987175	-5.455327
H	0.963598	1.534378	-4.444351
O	5.049651	-0.548722	0.749847
O	5.944480	0.211097	-1.097594

**Alkoxide 1f****E Gibbs = -1194.9182 a.u.****E scf = -1194.8710 a.u.****Enthalpy = -1194.8520 a.u.**

C	0.000000	0.000000	0.000000
C	0.000000	0.000000	1.371408
C	1.228629	0.000000	2.081282
C	2.419058	0.004557	1.401247
C	2.457734	0.007016	-0.031229
C	1.210875	0.009399	-0.771867
C	1.202794	0.010342	-2.197688
C	2.445058	-0.013260	-2.889462
C	3.700532	-0.108476	-2.173042
C	3.659757	-0.075457	-0.763037
C	4.920367	-0.172723	-2.920255
C	4.908236	-0.138531	-4.291806
C	3.683677	-0.027262	-5.002111
C	2.494135	0.045442	-4.324218
C	-0.152303	0.116877	-3.007963
C	-0.628194	-1.344050	-3.334891
O	-0.126923	0.896138	-4.082669
F	-1.878164	-1.339812	-3.870448
F	-0.710796	-2.161344	-2.225203
F	0.163790	-2.005487	-4.220092
H	-0.922867	0.425043	-2.265689
H	-0.948172	-0.013767	-0.517581
H	-0.942072	-0.004072	1.912869
H	1.230173	-0.001396	3.168326
H	3.348991	0.017915	1.954523
N	4.921550	-0.137908	-0.026662
H	5.862176	-0.263023	-2.394600
H	5.849663	-0.185556	-4.834625
H	3.691172	0.022710	-6.087934
H	1.539243	0.208492	-4.819093
O	5.161020	0.743027	0.812094
O	5.705221	-1.065007	-0.272335

**Carbanion 1g****E Gibbs = -1876.0328 a.u.****E scf = -1875.9800 a.u.****Enthalpy = -1875.9562 a.u.**

C	0.000046	-0.029766	-0.021078
C	0.002606	-0.062767	1.366717
C	1.236231	-0.106849	2.033869
C	2.430049	-0.057441	1.328705
C	2.457684	0.023999	-0.088115
C	1.198086	-0.038797	-0.759417
C	1.188858	-0.068098	-2.232078
C	2.214772	0.793527	-2.853072
C	3.490093	0.864866	-2.204928



C	3.650278	0.227460	-0.900857
C	4.504592	1.600574	-2.871302
C	4.261822	2.275557	-4.058369
C	2.989199	2.257063	-4.646607
C	1.984716	1.510328	-4.043788
C	0.339974	-0.845069	-2.966823
C	-0.547461	-1.948825	-2.468999
O	0.212885	-0.674519	-4.340689
F	-1.860801	-1.588586	-2.271197
F	-0.141633	-2.561377	-1.345294
F	-0.614627	-2.941267	-3.434234
H	0.191822	-1.543585	-4.765076
H	-0.943250	0.007357	-0.556653
H	-0.932438	-0.054426	1.919943
H	1.267683	-0.149843	3.120180
H	3.360657	-0.068344	1.877791
H	5.494081	1.647972	-2.440303
H	5.070218	2.838657	-4.519413
H	2.789511	2.806840	-5.562561
H	1.001453	1.470335	-4.493934
O	6.213655	-0.286513	-1.348046
O	5.147470	-1.121265	0.815543
C	5.913920	1.388554	0.658092
F	6.065981	2.457544	-0.156746
F	5.105706	1.772229	1.672638
F	7.124400	1.107808	1.187551
S	5.203968	-0.133148	-0.280852

**Alkoxide 1g****E Gibbs = -1876.0129 a.u.****E scf = -1875.9589 a.u.****Enthalpy = -1875.9352 a.u.**

C	0.021600	0.070333	-0.015419
C	1.387667	0.200696	0.002631
C	1.957237	1.493362	0.054457
C	1.161774	2.612844	0.113130
C	-0.267278	2.526982	0.121873
C	-0.855514	1.202526	0.028881
C	-2.268199	1.033271	0.010802
C	-3.085086	2.124093	0.417568
C	-2.543808	3.464823	0.502993
C	-1.148761	3.649324	0.226158
C	-3.448133	4.510521	0.871282
C	-4.767707	4.253789	1.161551
C	-5.283898	2.937396	1.112531
C	-4.459376	1.901966	0.754750
C	-2.899163	-0.343838	-0.357987
C	-3.619757	-0.217630	-1.749078
O	-3.655664	-0.851334	0.612814
F	-3.947852	-1.452120	-2.221186

F	-2.811397	0.345892	-2.709935
F	-4.769728	0.503788	-1.758885
H	-2.060027	-1.001516	-0.681010
H	-0.411613	-0.920169	-0.005440
H	2.021452	-0.681522	-0.000464
H	3.037680	1.612021	0.073279
H	1.637934	3.578500	0.167496
H	-3.095172	5.527068	0.937430
H	-5.409708	5.079466	1.459572
H	-6.317839	2.743441	1.384584
H	-4.778981	0.863685	0.770952
O	-1.565647	6.242793	-0.424266
O	0.749751	5.293712	-0.785981
C	0.014315	5.916919	1.691410
F	-1.023602	5.934983	2.545643
F	0.976880	5.137264	2.217263
F	0.495976	7.167741	1.584812
S	-0.513722	5.293677	-0.033367

**Carbanion 2b****E Gibbs = -747.9674 a.u.****E scf = -747.9268 a.u.****Enthalpy = -747.9110 a.u.**

C	0.000000	0.000000	0.000000
C	0.000000	0.000000	1.401248
C	1.235858	0.000000	2.070252
C	2.428905	0.055419	1.359903
C	2.452432	0.101915	-0.065025
C	1.185738	-0.005801	-0.745306
C	1.222218	-0.131920	-2.220290
C	2.304364	0.648002	-2.870859
C	3.566134	0.729799	-2.161771
C	3.652564	0.306569	-0.811339
C	4.661915	1.310462	-2.877983
C	4.507694	1.864346	-4.144480
C	3.253934	1.885279	-4.773244
C	2.171082	1.272404	-4.117753
C	0.464316	-1.030932	-2.914043
C	-0.525899	-2.013657	-2.366619
O	0.581868	-1.207403	-4.287462
H	-1.566888	-1.698731	-2.534577
H	-0.388405	-2.162102	-1.294398
H	-0.394556	-2.970680	-2.887530
H	1.344364	-0.683103	-4.587668
H	-0.948976	0.004975	-0.530923
H	-0.936816	-0.005289	1.953097
H	1.263481	-0.023040	3.159193
H	3.381683	0.085775	1.878136
N	4.899392	0.389540	-0.080635
H	5.639726	1.343056	-2.404931

H	5.371482	2.305528	-4.640448
H	3.118628	2.351842	-5.745321
H	1.186424	1.315768	-4.581187
H	5.266560	1.343577	-0.057162
H	5.618837	-0.184878	-0.514066

**Alkoxide 2b****E Gibbs = -747.9613 a.u.****E scf = -747.9202 a.u.****Enthalpy = -747.9045 a.u.**

C	0.000000	0.000000	0.000000
C	0.000000	0.000000	1.374206
C	1.228531	0.000000	2.087412
C	2.413881	0.018724	1.394118
C	2.455497	0.036249	-0.038526
C	1.205651	0.007690	-0.780291
C	1.182144	-0.008545	-2.203685
C	2.435354	-0.018660	-2.872427
C	3.689815	-0.007067	-2.141648
C	3.682914	0.066470	-0.733447
C	4.916891	-0.079222	-2.881616
C	4.924565	-0.129788	-4.254636
C	3.700073	-0.098232	-4.975528
C	2.499073	-0.042097	-4.309169
C	-0.185213	-0.062367	-2.995122
C	-0.661676	-1.562004	-2.950525
O	-0.195677	0.423901	-4.248747
H	-1.645347	-1.607985	-3.432299
H	-0.734170	-1.984332	-1.936242
H	0.031083	-2.176679	-3.538595
H	-0.903601	0.491093	-2.339404
H	-0.947706	-0.001049	-0.521774
H	-0.942810	-0.004277	1.916119
H	1.231625	-0.024440	3.174782
H	3.341636	-0.021139	1.957790
N	4.907195	0.112909	-0.014441
H	5.865485	-0.138829	-2.355209
H	5.871629	-0.196919	-4.787419
H	3.715889	-0.113629	-6.063426
H	1.523884	0.021543	-4.802023
H	4.825620	0.615081	0.861084
H	5.655541	0.528105	-0.555341

**Carbanion 2c****E Gibbs = -807.1254 a.u.****E scf = -807.0823 a.u.****Enthalpy = -807.0650 a.u.**

C	-1.420496	-2.249019	-0.452062
C	-2.818448	-2.283263	-0.566835

C	-3.539032	-1.095025	-0.361183
C	-2.880374	0.099698	-0.095200
C	-1.458711	0.161104	-0.006170
C	-0.728095	-1.077778	-0.127229
C	0.733132	-1.022221	0.115606
C	1.385973	0.227724	-0.352498
C	0.628178	1.451646	-0.209570
C	-0.741464	1.377890	0.129512
C	1.302867	2.678104	-0.494232
C	2.607978	2.697118	-0.968793
C	3.309069	1.501758	-1.202529
C	2.678810	0.285128	-0.892482
C	1.398393	-1.939705	0.876997
C	0.833032	-3.143309	1.567679
O	2.748953	-1.821055	1.179462
H	3.046673	-0.951097	0.861664
H	-0.851911	-3.159980	-0.622619
H	-3.328630	-3.212208	-0.808658
H	-4.625801	-1.100102	-0.435301
H	-3.442014	1.023026	0.009237
H	0.751811	3.605592	-0.372295
H	3.081283	3.653673	-1.186734
H	4.315731	1.511750	-1.611799
H	3.199258	-0.645781	-1.113446
H	-0.251654	-3.072834	1.664695
H	1.065585	-4.079984	1.038844
H	1.284716	-3.219978	2.564881
O	-1.473336	2.580290	0.219055
C	-1.649540	3.024128	1.555556
H	-2.224836	3.957985	1.514957
H	-2.202533	2.286177	2.155491
H	-0.683779	3.216390	2.046281

**Alkoxide 2c****E Gibbs = -807.1166 a.u.****E scf = -807.0736 a.u.****Enthalpy = -807.0566 a.u.**

C	-1.580569	-2.263376	-0.106954
C	-2.955442	-2.247357	-0.105172
C	-3.660696	-1.012759	-0.143415
C	-2.962990	0.168405	-0.180809
C	-1.531145	0.185804	-0.171512
C	-0.792924	-1.063417	-0.133617
C	0.634693	-1.079225	-0.114843
C	1.309830	0.169997	-0.207166
C	0.576109	1.422439	-0.241569
C	-0.823985	1.396647	-0.190725
C	1.294681	2.659598	-0.315271
C	2.667422	2.673700	-0.342883
C	3.397666	1.452614	-0.311000

C	2.745195	0.243044	-0.258776
C	1.420276	-2.433436	0.069142
C	1.332553	-2.769954	1.605293
O	2.683824	-2.493274	-0.380883
H	0.774924	-3.198255	-0.430950
H	-1.068297	-3.216877	-0.100687
H	-3.506202	-3.184921	-0.091954
H	-4.748362	-1.006989	-0.159839
H	-3.484747	1.118208	-0.239827
H	0.727449	3.583042	-0.372588
H	3.197689	3.622375	-0.408860
H	4.484614	1.477602	-0.354401
H	3.245650	-0.729174	-0.276517
H	0.306590	-2.806305	2.002371
H	1.813144	-3.743930	1.752052
H	1.904662	-2.022701	2.169080
O	-1.534543	2.600261	-0.189076
C	-1.771377	3.124244	1.116040
H	-2.310274	4.067700	0.984221
H	-2.382740	2.436661	1.716306
H	-0.828715	3.314054	1.645896

**Carbanion 2d****E Gibbs = -731.9195 a.u.****E scf = -731.8787 a.u.****Enthalpy = -731.8627 a.u.**

C	2.060598	1.480154	-0.515788
C	3.406759	1.094642	-0.597512
C	3.741876	-0.224221	-0.256389
C	2.757482	-1.138329	0.105457
C	1.373629	-0.784317	0.166600
C	1.057034	0.600998	-0.096948
C	-0.347727	1.014696	0.111939
C	-1.340432	-0.016825	-0.273971
C	-0.990211	-1.393445	0.010468
C	0.332828	-1.732754	0.407241
C	-2.024535	-2.360994	-0.203653
C	-3.265376	-2.020549	-0.729937
C	-3.554749	-0.697125	-1.096688
C	-2.576886	0.283256	-0.862279
C	-0.705568	2.154687	0.771150
C	0.195610	3.188620	1.375124
O	-2.029851	2.476723	1.043368
H	-2.576652	1.713808	0.787912
H	1.781781	2.495980	-0.785726
H	4.167127	1.803017	-0.916564
H	4.780428	-0.550278	-0.299802
H	3.050475	-2.163116	0.312794
H	-1.822101	-3.405295	0.014016
H	-4.008785	-2.801731	-0.884227

H	-4.506762	-0.432417	-1.549032
H	-2.772497	1.306517	-1.179916
H	1.211343	2.808977	1.497061
H	0.246721	4.105924	0.769334
H	-0.206624	3.476062	2.355014
C	0.675195	-3.156031	0.772727
H	0.905863	-3.803351	-0.096254
H	1.548760	-3.199861	1.434962
H	-0.147471	-3.640118	1.313291

**Alkoxide 2d****E Gibbs = -731.9111 a.u.****E scf = -731.8678 a.u.****Enthalpy = -731.8518 a.u.**

C	2.239575	1.453398	-0.083091
C	3.547004	1.039942	0.006423
C	3.846662	-0.344744	0.094867
C	2.827261	-1.264704	0.078153
C	1.447336	-0.877542	-0.014721
C	1.133450	0.538782	-0.085079
C	-0.216770	0.993606	-0.147456
C	-1.239802	0.008753	-0.126594
C	-0.927131	-1.409822	-0.035565
C	0.416817	-1.845335	-0.011663
C	-2.028743	-2.329782	0.054277
C	-3.333820	-1.903004	0.035596
C	-3.635899	-0.520563	-0.092962
C	-2.622609	0.402466	-0.179798
C	-0.547484	2.538466	-0.176687
C	-0.422873	3.034531	1.313379
O	-1.710188	2.920383	-0.731513
H	0.323138	2.994868	-0.709249
H	2.031878	2.512386	-0.158624
H	4.350231	1.772956	0.003921
H	4.879719	-0.677275	0.171506
H	3.076012	-2.317576	0.152247
H	-1.832786	-3.390997	0.158117
H	-4.138622	-2.632649	0.112186
H	-4.673461	-0.195451	-0.135146
H	-2.779611	1.476392	-0.320413
H	0.543156	2.806640	1.788475
H	-0.576624	4.119728	1.308052
H	-1.224855	2.582815	1.909753
C	0.772697	-3.318044	0.040422
H	1.603023	-3.551943	-0.634618
H	1.077142	-3.639104	1.047739
H	-0.059271	-3.953765	-0.264311

**Carbanion 2e****E Gibbs = -784.9108 a.u.****E scf = -784.8691 a.u.****Enthalpy = -784.8530 a.u.**

C	-0.261727	0.235077	-1.187455
C	1.134153	0.165388	-1.239320
C	1.883224	1.165229	-0.601566
C	1.247448	2.233810	0.021401
C	-0.166583	2.341641	0.053782
C	-0.927589	1.267423	-0.511021
C	-2.398241	1.307492	-0.329402
C	-2.985860	2.670850	-0.383463
C	-2.223369	3.737103	0.199667
C	-0.852692	3.502489	0.574656
C	-2.854704	5.003676	0.318806
C	-4.130398	5.235971	-0.182533
C	-4.830561	4.220195	-0.849936
C	-4.244782	2.951638	-0.942506
C	-3.132217	0.223526	0.051628
C	-2.643447	-1.167929	0.322981
O	-4.489829	0.294757	0.322057
H	-4.754754	1.229765	0.298205
H	-0.852807	-0.530165	-1.683681
H	1.624742	-0.651373	-1.762636
H	2.970699	1.124078	-0.613796
H	1.838552	3.024361	0.475636
C	-0.120302	4.521147	1.214330
H	-2.304821	5.813115	0.791138
H	-4.572337	6.224965	-0.078420
H	-5.807719	4.407554	-1.287040
H	-4.764191	2.169166	-1.492881
N	0.487524	5.368886	1.757627
H	-2.888111	-1.859976	-0.495783
H	-1.563723	-1.191439	0.475338
H	-3.145545	-1.545294	1.221981

**Alkoxide 2e****E Gibbs = -784.8859 a.u.****E scf = -784.8438 a.u.****Enthalpy = -784.8278 a.u.**

C	-2.202254	-1.656948	-0.249592
C	-3.518570	-1.260396	-0.210175
C	-3.844777	0.114881	-0.090330
C	-2.842104	1.051291	-0.022370
C	-1.465420	0.670672	-0.058091
C	-1.114783	-0.726367	-0.163865
C	0.255638	-1.148318	-0.173092
C	1.267767	-0.145405	-0.138836
C	0.929043	1.257070	-0.026422

C	-0.434439	1.641899	0.022541
C	1.977982	2.222270	0.051283
C	3.297187	1.835644	0.018574
C	3.640781	0.464640	-0.108363
C	2.660133	-0.496380	-0.196424
C	0.613484	-2.676333	-0.160967
C	0.393240	-3.142193	1.330195
O	1.811105	-3.055798	-0.625750
H	-0.212820	-3.156223	-0.739599
H	-1.977868	-2.709250	-0.361660
H	-4.309575	-2.002251	-0.284447
H	-4.885278	0.429319	-0.063972
H	-3.085859	2.106331	0.060153
C	-0.775652	3.019199	0.158167
H	1.715990	3.272642	0.137198
H	4.079508	2.589941	0.076447
H	4.687785	0.174467	-0.157604
H	2.854554	-1.562882	-0.334639
N	-1.058329	4.148393	0.266704
H	-0.604570	-2.918022	1.734036
H	0.561209	-4.224258	1.352498
H	1.150006	-2.669163	1.966977

**Carbanion 2f****E Gibbs = -897.1772 a.u.****E scf = -897.1345 a.u.****Enthalpy = -897.1178 a.u.**

C	0.000000	0.000000	0.000000
C	0.000000	0.000000	1.395169
C	1.228770	0.000000	2.064509
C	2.428852	0.025647	1.357183
C	2.456093	0.047470	-0.059686
C	1.196647	-0.012439	-0.732155
C	1.218751	-0.063669	-2.209704
C	2.242627	0.824488	-2.808201
C	3.521228	0.877608	-2.169073
C	3.664872	0.209160	-0.875435
C	4.523675	1.649314	-2.810015
C	4.263066	2.368260	-3.974950
C	2.990906	2.362060	-4.555919
C	1.990780	1.589604	-3.960503
C	0.502972	-0.950369	-2.950920
C	-0.438674	-2.006699	-2.455670
O	0.617336	-1.039853	-4.326621
H	-1.484377	-1.754985	-2.681108
H	-0.344598	-2.156860	-1.380081
H	-0.216275	-2.947518	-2.973320
H	1.332188	-0.447315	-4.613428
H	-0.942261	0.017843	-0.541065
H	-0.937606	0.003132	1.945886



H	1.257389	-0.005290	3.152237
H	3.369362	0.027960	1.888579
N	4.912751	-0.140209	-0.385374
H	5.510213	1.671672	-2.370615
H	5.063548	2.953796	-4.422379
H	2.777794	2.946483	-5.447501
H	0.983469	1.606799	-4.371814
O	5.024308	-0.685580	0.756050
O	5.954393	0.047093	-1.088977

**Alkoxide 2f****E Gibbs = -897.1372 a.u.****E scf = -897.0937 a.u.****Enthalpy = -897.0769 a.u.**

C	0.000000	0.000000	0.000000
C	0.000000	0.000000	1.373570
C	1.229954	0.000000	2.075548
C	2.418690	0.021939	1.388423
C	2.457174	0.026578	-0.043485
C	1.207408	-0.007461	-0.773385
C	1.178928	-0.062181	-2.205413
C	2.419004	-0.038507	-2.903809
C	3.687437	-0.063232	-2.198492
C	3.665895	-0.027672	-0.782543
C	4.892294	-0.065850	-2.968326
C	4.857278	-0.049039	-4.343055
C	3.623215	-0.024309	-5.038046
C	2.439835	-0.005043	-4.339472
C	-0.188578	-0.207164	-2.963200
C	-0.582820	-1.727776	-2.821968
O	-0.269893	0.206989	-4.235114
H	-1.573719	-1.840937	-3.274345
H	-0.607901	-2.097587	-1.787151
H	0.124259	-2.334104	-3.399773
H	-0.916100	0.344865	-2.322876
H	-0.947844	0.011975	-0.519761
H	-0.941173	0.010128	1.917183
H	1.239020	-0.002666	3.162792
H	3.348729	0.049861	1.939496
N	4.927159	-0.047676	-0.063067
H	5.846704	-0.095660	-2.460093
H	5.794358	-0.043989	-4.896348
H	3.612987	0.004387	-6.125095
H	1.451539	0.060126	-4.803455
O	5.108434	0.772887	0.854816
O	5.792682	-0.878086	-0.389353

**Carbanion 2g****E Gibbs = -1578.2756 a.u.****E scf = -1578.2259 a.u.****Enthalpy = -1578.2044 a.u.**

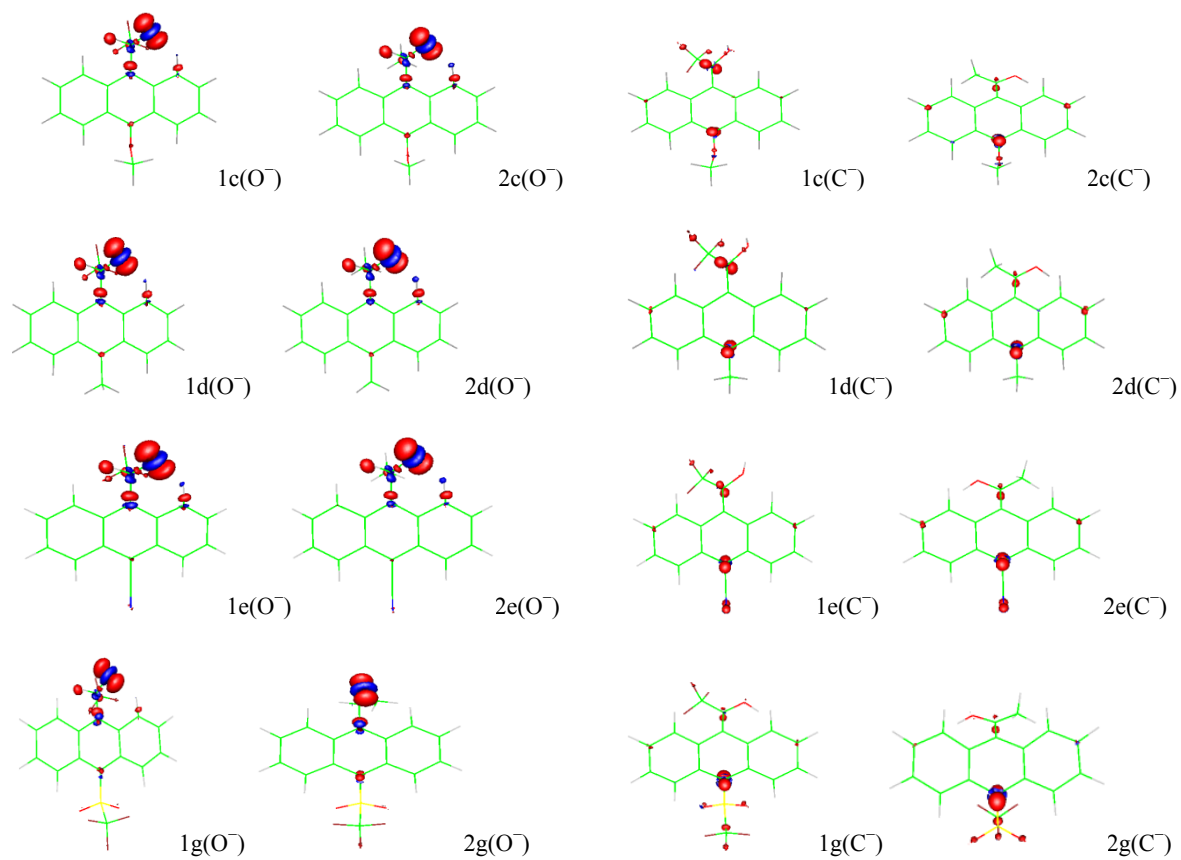
C	2.109274	2.419464	-1.170076
C	1.408375	3.495156	-1.715578
C	0.015561	3.407105	-1.819497
C	-0.655658	2.252355	-1.423764
C	0.033734	1.147741	-0.870642
C	1.445413	1.273387	-0.705084
C	2.156098	0.146575	-0.059612
C	1.661912	-1.185860	-0.485619
C	0.249706	-1.347118	-0.627131
C	-0.590941	-0.146019	-0.547918
C	-0.224305	-2.645964	-0.930820
C	0.645860	-3.717448	-1.119213
C	2.031322	-3.534801	-1.055019
C	2.525256	-2.265045	-0.748099
C	3.058653	0.296451	0.945639
C	3.521392	1.575189	1.576900
O	3.640238	-0.776605	1.595155
H	3.221011	-1.593479	1.277517
H	3.192880	2.460317	-1.098536
H	1.939039	4.378996	-2.060875
H	-0.553972	4.232575	-2.240989
H	-1.728985	2.188976	-1.543113
H	-1.290967	-2.799906	-1.024437
H	0.235034	-4.697456	-1.351695
H	2.714007	-4.357974	-1.249561
H	3.600060	-2.095505	-0.737317
O	-2.756746	-1.566756	0.047575
O	-2.981039	0.963510	-0.197392
C	-1.973109	-0.019896	2.019157
S	-2.148094	-0.218518	0.119834
F	-1.203900	-1.000069	2.545415
F	-1.396088	1.160654	2.338084
F	-3.172415	-0.066610	2.645010
H	3.494774	1.458530	2.666776
H	2.890857	2.416969	1.290940
H	4.559617	1.808547	1.302930

**Alkoxide 2g****E Gibbs = -1578.2340 a.u.****E scf = -1578.1844 a.u.****Enthalpy = -1578.1628 a.u.**

C	1.964886	2.792546	0.516201
C	1.146827	3.888494	0.672530
C	-0.235421	3.753188	0.419780
C	-0.774472	2.539184	0.051444

C	0.031505	1.368926	-0.094179
C	1.451308	1.521706	0.121814
C	2.339808	0.412300	-0.046252
C	1.772441	-0.903206	0.003942
C	0.365116	-1.100387	-0.241091
C	-0.467894	0.062485	-0.434858
C	-0.107008	-2.448147	-0.252226
C	0.727528	-3.513859	0.010239
C	2.090105	-3.308361	0.316624
C	2.592420	-2.027207	0.312760
C	3.837759	0.653060	-0.166280
C	4.552744	-0.107861	-1.310632
O	4.247512	0.375745	1.104105
H	3.972318	1.721205	-0.457479
H	3.015339	2.858636	0.769904
H	1.556654	4.836876	1.008880
H	-0.896924	4.607876	0.539985
H	-1.838648	2.476931	-0.114945
H	-1.148479	-2.646337	-0.452631
H	0.312707	-4.519134	0.013927
H	2.727429	-4.146632	0.585488
H	3.605505	-1.813750	0.632393
O	-2.228192	-1.363345	-1.879546
O	-2.560668	1.145484	-1.726543
C	-3.281617	-0.355804	0.331292
S	-2.070555	-0.107416	-1.126568
F	-2.971756	-1.452997	1.048732
F	-3.269576	0.701718	1.166601
F	-4.536790	-0.503775	-0.134793
H	5.615079	0.160487	-1.267036
H	4.159119	0.191780	-2.293048
H	4.474652	-1.194703	-1.226363

**Figure S1.** Electrophilic Fukui Function for the alkoxides and carbanions of 1c, 1d, 1e, 1g, 2c, 2d, 2e and 2g.



**Figure S2.** MEP for the alkoxides and carbanions of 1c, 1d, 1e, 1g, 2c, 2d, 2e and 2g.