

Data from Gill's Isodesmic Reaction Set

Molecule	HF	B3LYP	$\omega$ B97	$\omega$ B97X	$\omega$ B97X-D	LRC- $\omega$ PBEh	M06	M06-2X	M06-HF
Et-H	-79.2572991846	-79.8614586078	-79.8340313930	-79.8299257011	-79.8304456550	-79.7678499488	-79.7810753836	-79.8019682188	-79.8154949619
Et-Minus	-78.5596580075	-79.1794067412	-79.1464341165	-79.1433882112	-79.1430208001	-79.0817697484	-79.0998135687	-79.1201470285	-79.1347654263
Et-Plus	-78.3416028817	-78.8893770905	-78.8658730861	-78.8609175207	-78.8600291639	-78.7981517309	-78.8136621954	-78.8359467207	-78.8528329692
Et-Radical	-78.6256748878	-79.1899964210	-79.1618981398	-79.1577377855	-79.1564258036	-79.0981214625	-79.1113187711	-79.1319763787	-79.1434865328
iPr-H	-118.3041653591	-119.1882694276	-119.1535413741	-119.1462294655	-119.1452419441	-119.0532910442	-119.0739819168	-119.1076568371	-119.1297701577
iPr-Minus	-117.6063893070	-118.5099755870	-118.4674523301	-118.4613688651	-118.4594823764	-118.3698755548	-118.3971472236	-118.4287276395	-118.4497856491
iPr-Plus	-117.4221996528	-118.2521335904	-118.2159825019	-118.2091180660	-118.2077187799	-118.1161549031	-118.1421359178	-118.1711520974	-118.1871112136
iPr-Radical	-117.6760611006	-118.5228209885	-118.4866368541	-118.4794675060	-118.4764291312	-118.3893668182	-118.4106568690	-118.4425077979	-118.4591350995
Me-H	-40.2120616074	-40.5367233239	-40.5174404109	-40.5163708624	-40.5185380792	-40.4849651534	-40.4914767313	-40.4995144281	-40.5048220523
Me-Minus	-39.5213408237	-39.8595414964	-39.8348095401	-39.8352080971	-39.8369021577	-39.8036848062	-39.8133757312	-39.8218409736	-39.8287934918
Me-Plus	-39.2461288014	-39.4936736696	-39.4815518433	-39.4786722028	-39.4789465607	-39.4400477942	-39.4554898790	-39.4654199335	-39.4781762968
Me-Radical	-39.5763851426	-39.8577398144	-39.8381968662	-39.8368680469	-39.8375288299	-39.8078718346	-39.8135240339	-39.8232465433	-39.8294964385
tBu-H	-157.3515673555	-158.5159711960	-158.4751637256	-158.4644477216	-158.4621662962	-158.3402104050	-158.3698108711	-158.4158259990	-158.4467779538
tBu-Minus	-156.6590479366	-157.8469800410	-157.7962634414	-157.7873479870	-157.7842345989	-157.6648549511	-157.7025947368	-157.7455640501	-157.7743685474
tBu-Me	-196.3983172283	-197.8432384168	-197.7975863976	-197.7832044875	-197.7798089540	-197.6272996389	-197.6672498326	-197.7249604005	-197.7647080273
tBu-Plus	-156.4962096110	-157.6072501167	-157.5641405218	-157.5541271775	-157.5513516614	-157.4304930998	-157.4653376482	-157.5051483574	-157.5242910799
tBu-Radical	-156.7266733501	-157.8552847316	-157.8118939379	-157.8016524334	-157.7973917926	-157.6806821823	-157.7108323781	-157.7538110496	-157.7757138648