Table S1. Calculated Gibbs free energies of Pt_{15} and Pt_{15}^-, change in Gibbs free energies for the reduction process in gas-phase, solvation free energies, final change in Gibbs free energies of solution based on the Born-Haber cycle, values in kcal/mol. In addition, absolute and SHE referenced reduction potential are given in eV.

	$G_{(g)}$	$G_{(solv)}$	$\Delta G_{(g)}$	$\Delta G_{solv(0)}$	$\Delta G_{solv(-1)}$	$\Delta G_{(solv)}$	$E_{0/-1}$ (abs)	$E_{0/-1}$(SHE)
Pt_{15}^-	-1679.46	-1726.64	-74.75		-47.18	-108.95	4.724	0.443
Pt_{15}	-1604.71	-1617.69		-12.98				