## **Supplementary Information**

## Probing Composition Distributions in Nanoalloy Catalysts with Correlative Electron Microscopy

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	Pd	Relative	Au	Relative	Pd:Au wt
Catalyst	content	error	content	error	ratio
	wt%	%	wt%	%	
	M <sub>Pd</sub>		M <sub>Au</sub>		
1wt%AuPd/TiO <sub>2</sub> (PVP)	0.39	2.5	0.4	2.5	0.98
1wt%AuPd/TiO <sub>2</sub> (PVA)	0.37	5%	0.35	9%	1.05

Table S1. Composition of the AuPd nanoalloys as determined ed by ICP-AES.

<sup>a</sup> The sample for ICP-AES was obtained by digesting the catalysts in *aqua regia*. The solution was then filtered and diluted down to a metal concentration of about 10ppm before being tested.



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