

## **The role of grain boundary character in solute segregation and thermal stability of nanocrystalline Pt-Au**

### **Electronic supplementary information**

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#### **Caption for the video titled: "Atomistic\_simulations\_MC-MD\_thermal\_anneal.mp4"**

A video depicting hybrid Monte Carlo-Molecular Dynamics thermal annealing simulation of a polycrystalline Pt-Au system at 500C. Atoms within each crystalline grain are assigned a unique color (red, blue, white in all tones) and Au atoms are shown in gold. Segregation of Au to Pt grain boundaries can be seen along with Au phase separation within Pt grains.