From (Au₅Sn + AuSn) physical mixture to phase pure AuSn and Au₅Sn intermetallic nanocrystals with tailored morphology: digestive ripening assisted approach

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Fig. S1 UV-visible spectrum of Sn nanoparticles.

Fig. S2 Powder XRD pattern of physical mixture of Au and Sn nanoparticles
**Fig. S3** STEM-EDS mapping for \( \text{Au}_5\text{Sn} + \text{AuSn} \) intermetallic nanocrystals (a) STEM dark field image (inset: Au and Sn EDS maps); (b), (c) point EDS spectra.

**Fig. S4** EDS spectrum of \( \text{Au}_5\text{Sn} \) intermetallic nanocrystals.
Fig. S4 DSC profiles of nanopowders (a) AuSn, (b) Sn.