**Supporting Information**

**Memory re-condensation**

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**Figure S1 : Inter-drops average distance correlation between condensation and re-condensation patterns**

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**Figure S2: Origin of memory re-nucleation :** Scanning electron microscope (SEM) image of a typical “stain” left by the evaporation of a 1µL DI water droplet and energy dispersive X-ray spectroscopy (EDX) mapping of the SEM image for the identification and quantification (in atomic %) of the chemical elements comprising the stain.