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## **Electronic Supplementary Information**

## In-situ study of strontium segregation in La0.6Sr0.4Co0.2Fe0.8O3-δ in ambient atmospheres using High-Temperature Environmental Scanning Electron Microscopy

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Fig. S1 HT-ESEM micrograph of the LSCF sample annealed at 3 mbar H2O (Grains A-D, 5000× resolution)



Fig. S2 HT-ESEM micrograph of the LSCF sample annealed at 3 mbar H2O (Grains A-D, 5000× resolution)