

Figure S1. Backscattered electron (left) and cathodoluminescence (right) images of AS3 zircon.

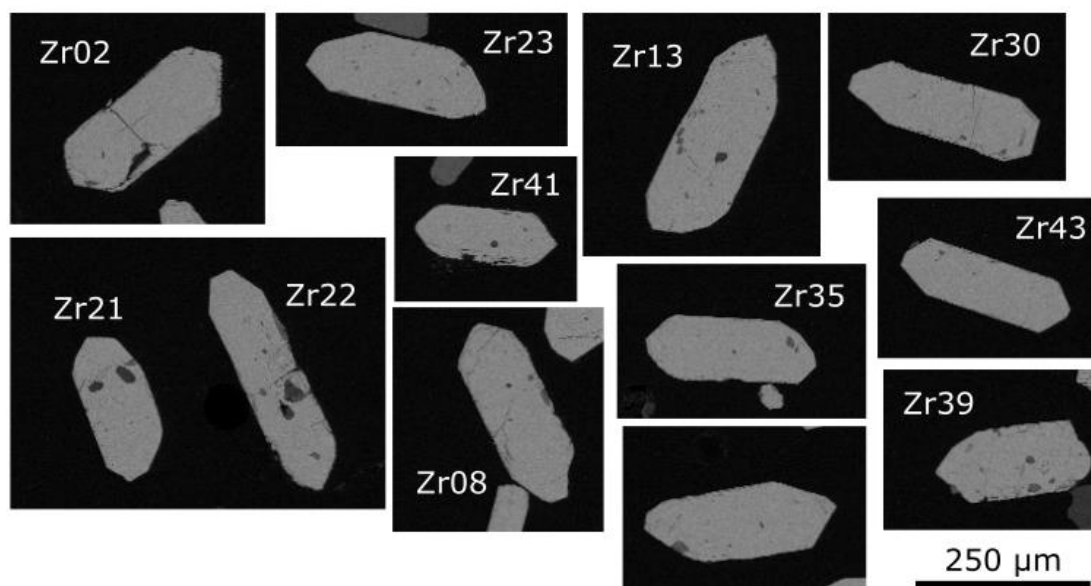


Figure S2. Backscattered electron images of SAM-47 zircon.

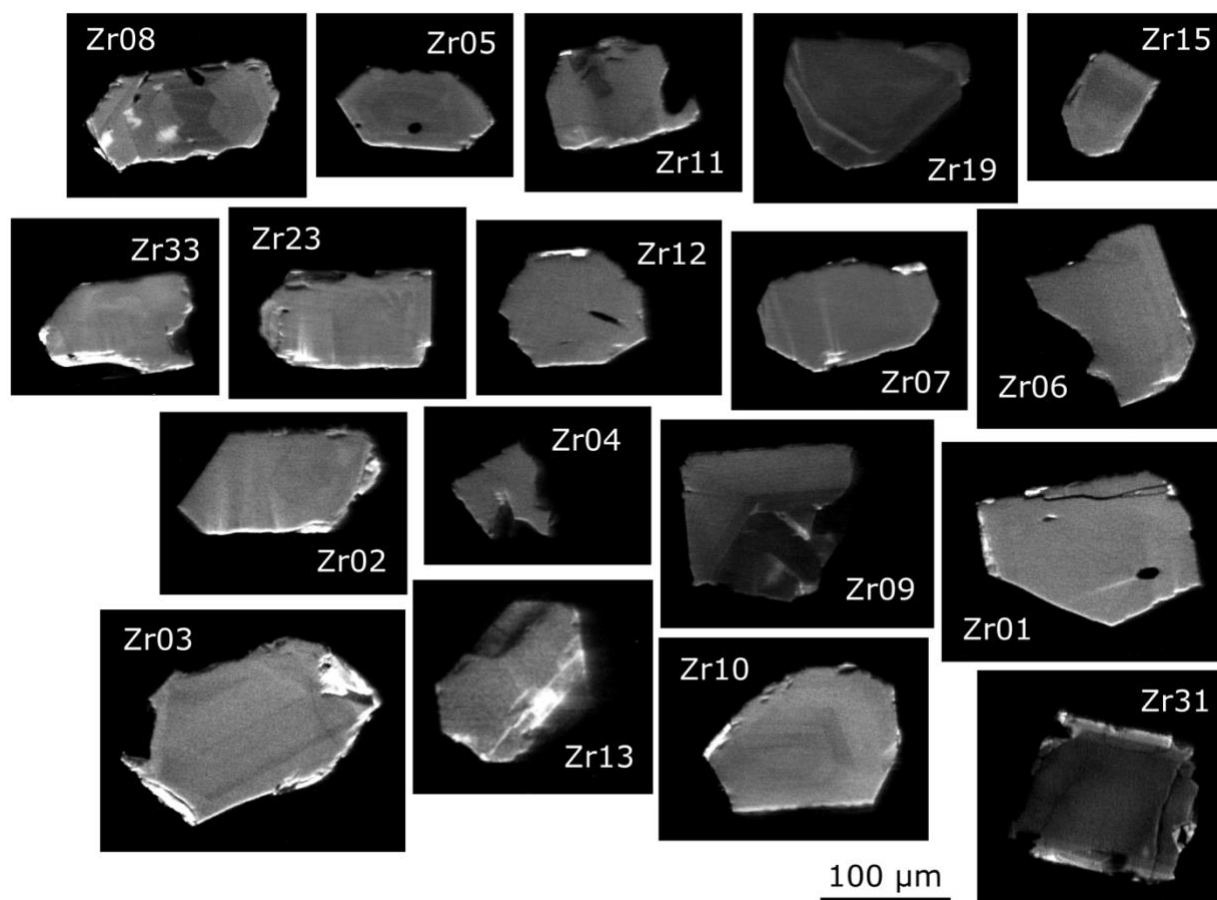


Figure S3. Cathodoluminescence images of KR18-04 zircon.

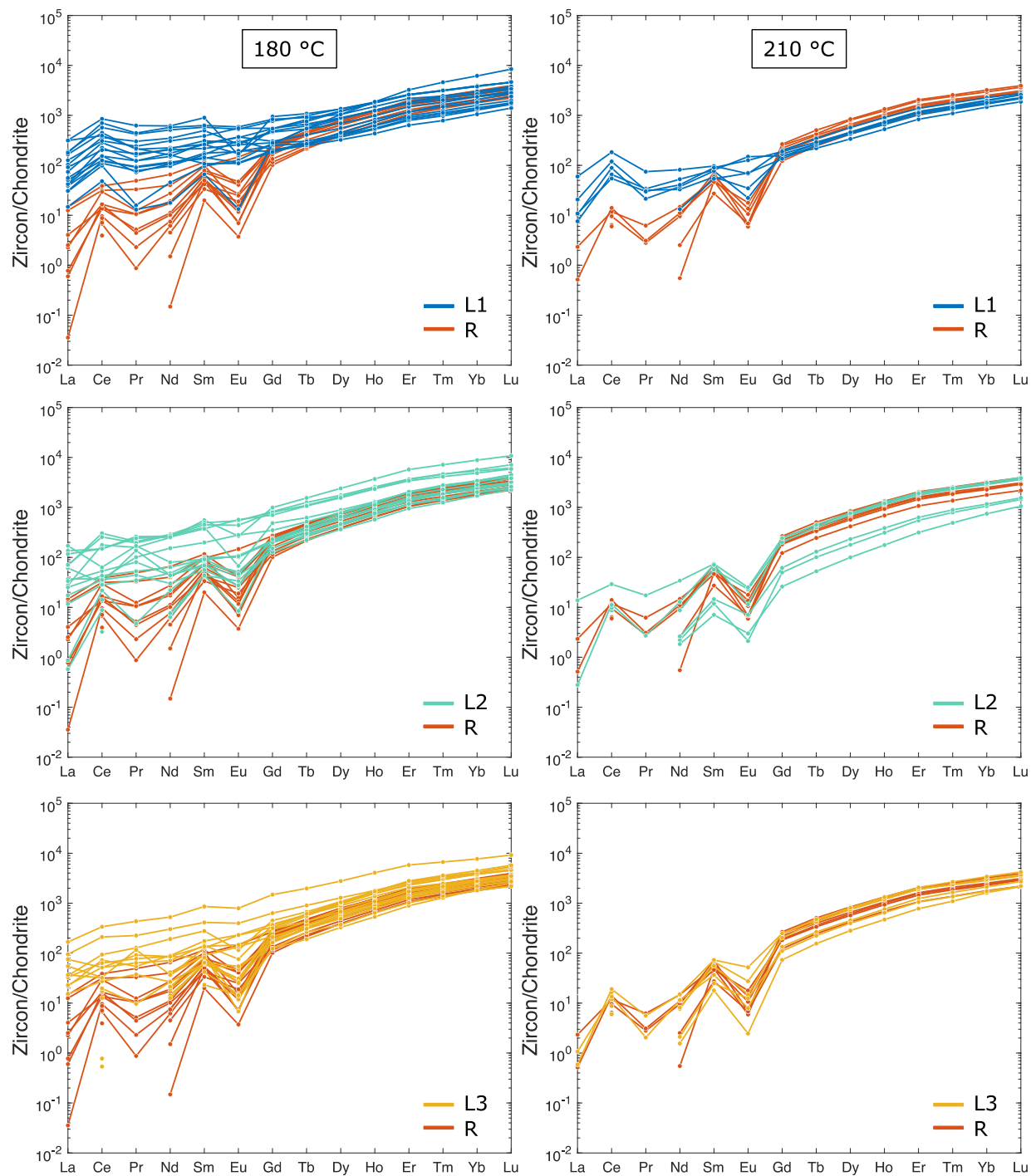


Figure S4. Chondrite-normalized REE spider diagrams for the 180 °C (left) and 210 °C (right) AS3 experiments comparing results for leachates and residues.

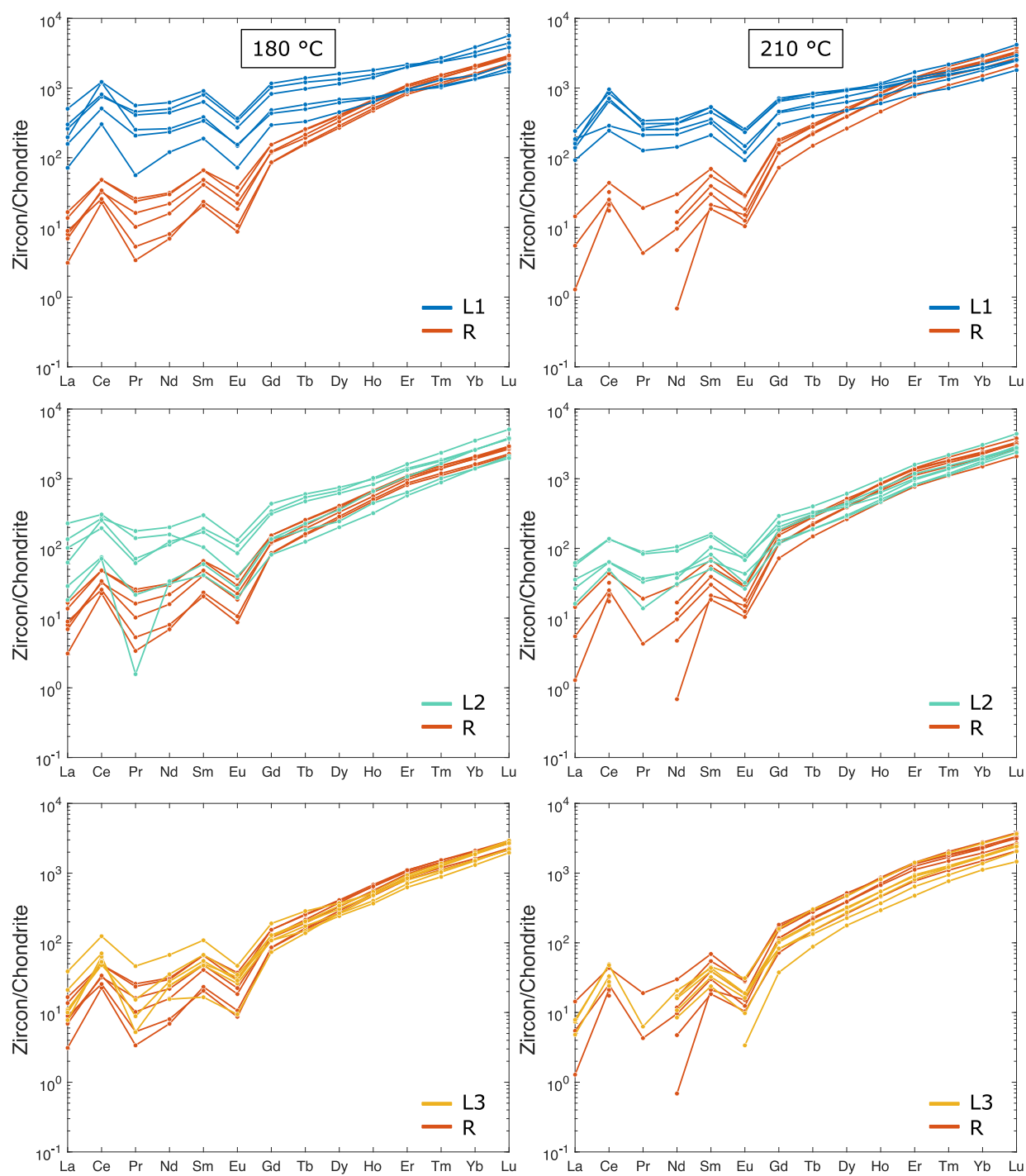


Figure S5. Chondrite-normalized REE spider diagrams for the 180 °C (left) and 210 °C (right) SAM-47 experiments comparing results for leachates and residues.

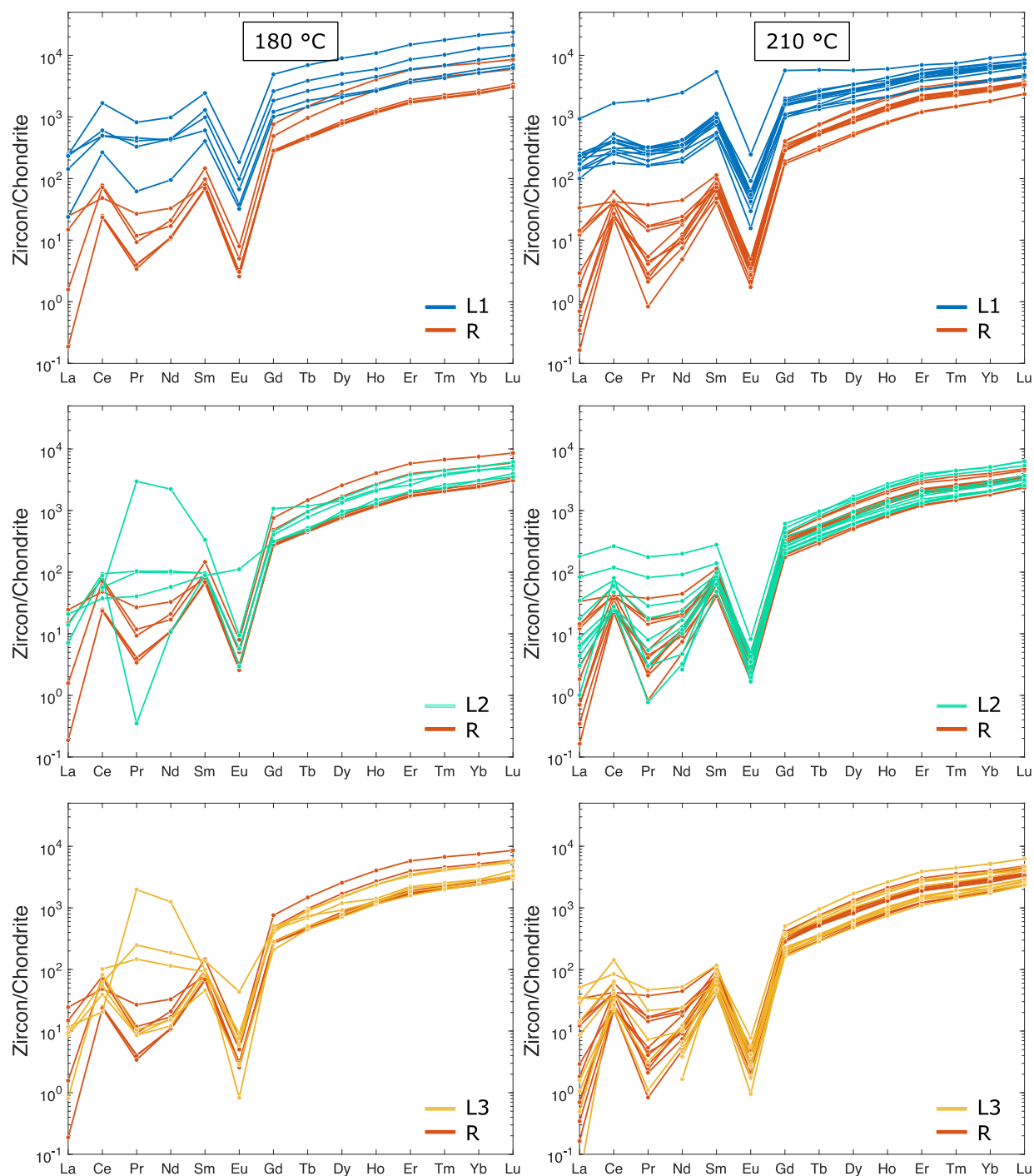


Figure S6. Chondrite-normalized REE spider diagrams for the 180 °C (left) and 210 °C (right) KR18-04 experiments comparing results for leachates and residues.