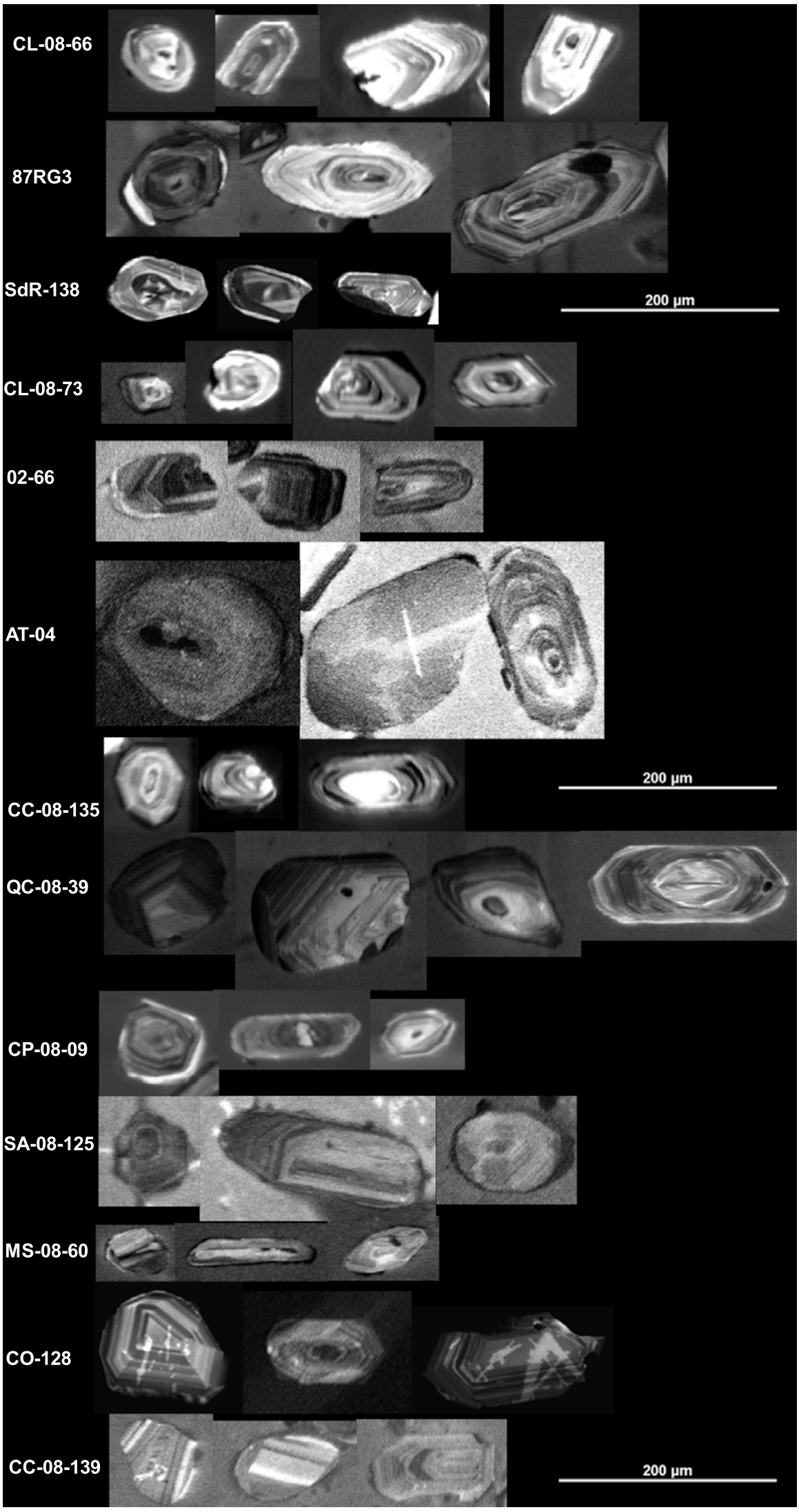
Supplement 2. Selected cathodoluminescence images of zircon grains in the analysed samples. Numbers are from left to right.

CL-08-66: (1) round and rounded, (2) oval and subangular to subrounded ,(3) oval and subangular to subrounded, (4) oval and euhedral.
87RG3: (1) oval and subangular to subrounded, (2) elongated and subangular to subrounded, (3) elongated and euhedral.
SdR-138: (1) oval and subangular to subrounded, (2) oval and subangular to subrounded, (3) elongated and subangular to subrounded.
CL-08-73: (1) round and subangular to subrounded, (2) round and subangular to subrounded. (3) oval and subangular to subrounded, (4) elongated and euhedral.
02-66: (1) oval and rounded, (2) oval and subangular to subrounded, (3) elongated and rounded.
AT-04: (1) round and rounded, (2) oval and rounded, (3) elongated and subangular to subrounded.
CC-08-135: (1) round and euhedral, (2) oval and subangular to subrounded, (3) elongated and subangular to subrounded.
QC-08-39: (1) round and subangular to subrounded, (2) oval and rounded, (3) oval and subangular to subrounded, (4) elongated and euhedral.
CP-08-09: (1) round and subangular to subrounded, (2) elongated and subangular to subrounded, (3) elongated and euhedral.
SA-08-125: (1) round and euhedral, (2) elongated and subangular to subrounded, (3) oval and subangular to subrounded.
MS-08-60: (1) oval and subangular to subrounded, (2) elongated and subangular to subrounded, (3) elongated and euhedral.
CO-128: (1) round and subangular to subrounded, (2) oval and euhedral, (3) elongated and euhedral.
CC-08-139: (1) round and subangular to subrounded, (2) oval and rounded, (3) elongated and subangular to subrounded.


CL-08-66
87RG3
SdR-138
200 µm
CL-08-73
02-66
AT-04
CC-08-135
200 µm
QC-08-39
CP-08-09
SA-08-125
MS-08-60
CO-128
CC-08-139
200 µm