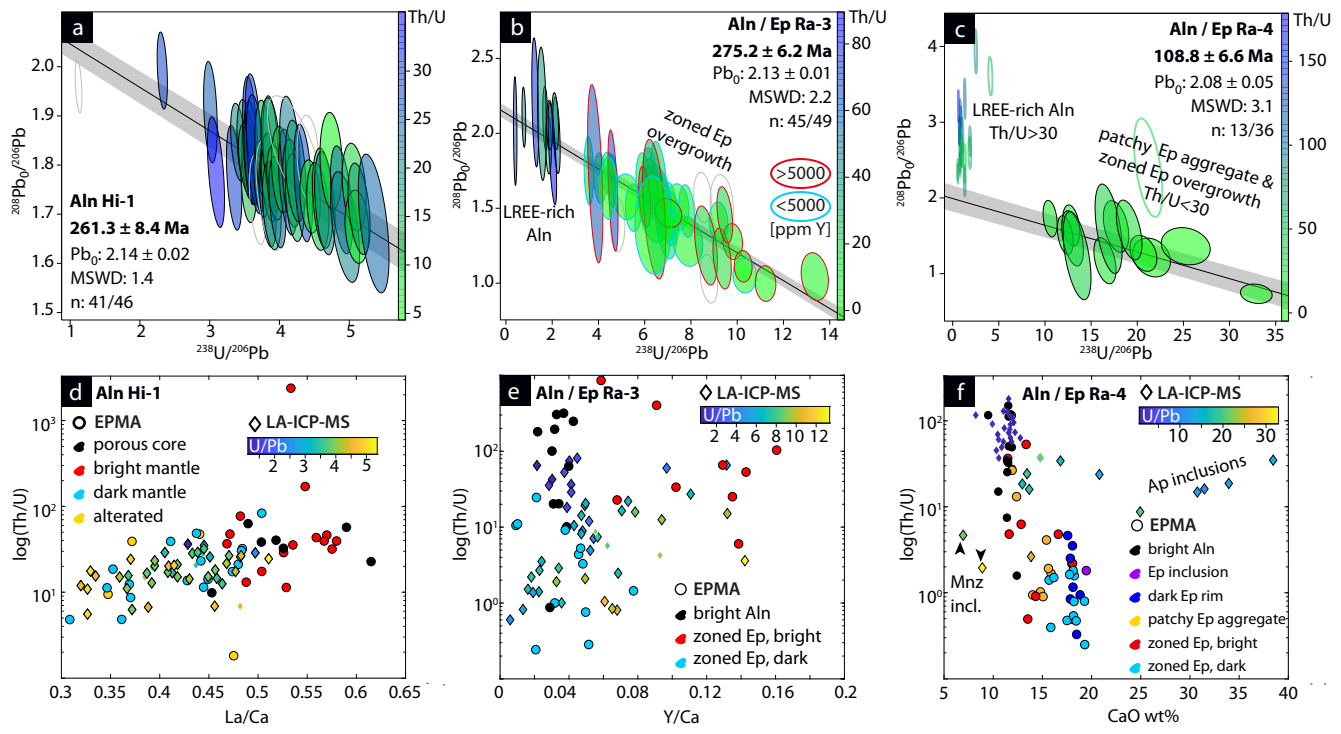
a
Aln Hi-1
261.3 ± 8.4 Ma
Pb0: 2.14 ± 0.02
MSWD: 1.4
n: 41/46
Th/U
208Pb0/206Pb
238U/206Pb
b
Aln / Ep Ra-3
275.2 ± 6.2 Ma
Pb0: 2.13 ± 0.01
MSWD: 2.2
n: 45/49
LREE-rich Aln
zoned Ep overgrowth
>5000
<5000
[ppm Y]
c
Aln / Ep Ra-4
108.8 ± 6.6 Ma
Pb0: 2.08 ± 0.05
MSWD: 3.1
n: 13/36
LREE-rich Aln Th/U>30
patchy Ep aggregate & zoned Ep overgrowth Th/U<30
d
Aln Hi-1
EPMA
porous core
bright mantle
dark mantle
altered
LA-ICP-MS
U/Pb
log(Th/U)
La/Ca
e
Aln / Ep Ra-3
LA-ICP-MS
U/Pb
EPMA
bright Aln
zoned Ep, bright
zoned Ep, dark
Y/Ca
f
Aln / Ep Ra-4
LA-ICP-MS
U/Pb
Ap inclusions
Mnz incl.
EPMA
bright Aln
Ep inclusion
dark Ep rim
patchy Ep aggregate
zoned Ep, bright
zoned Ep, dark
CaO wt%