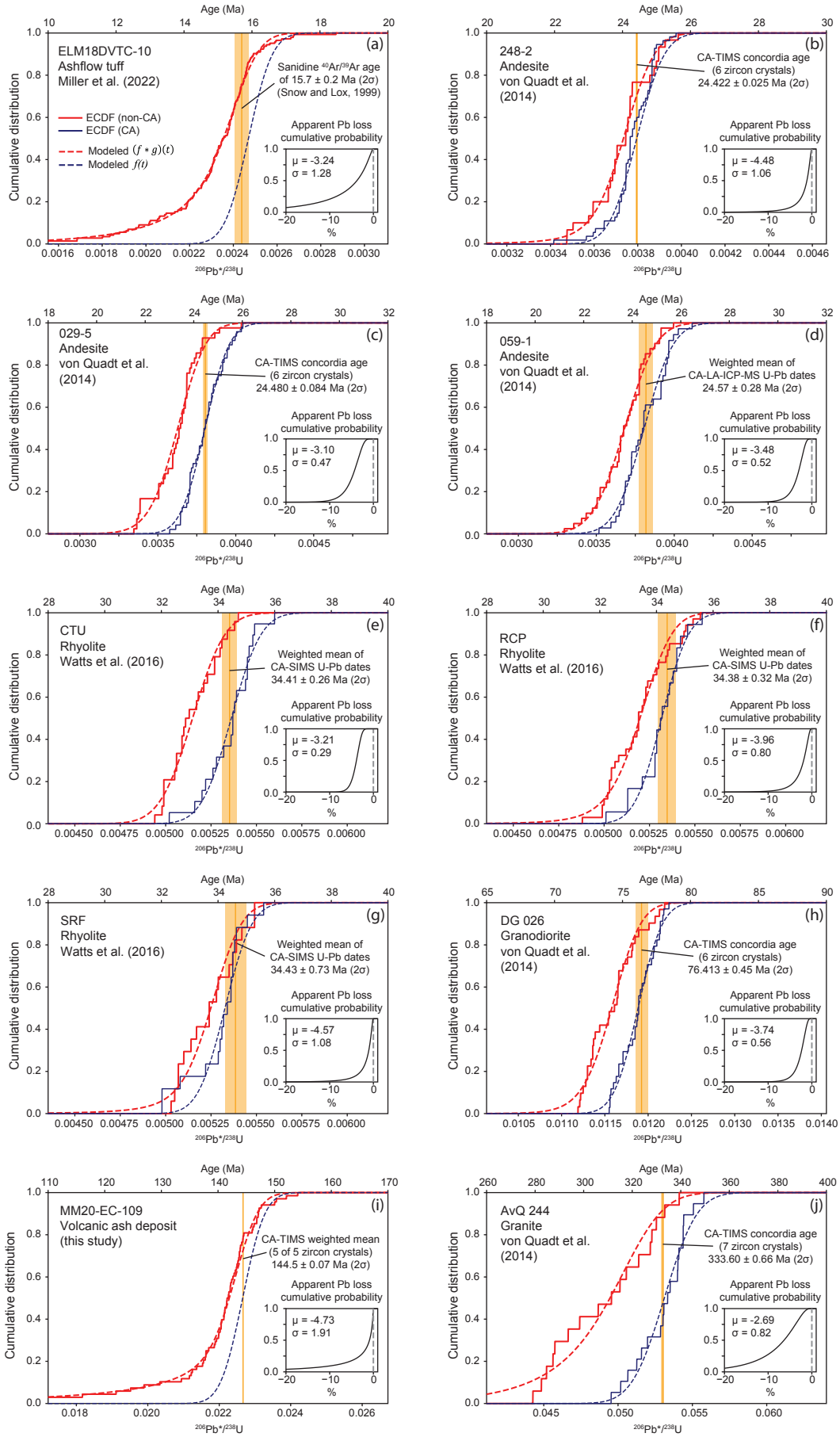
(a)
ELM18DVTC-10
Ashflow tuff
Miller et al. (2022)
Sanidine 40Ar/39Ar age of 15.7 ± 0.2 Ma (2σ) (Snow and Lox, 1999)
ECDF (non-CA)
ECDF (CA)
Modeled (f * g)(t)
Modeled f(t)
Apparent Pb loss cumulative probability
μ = -3.24
σ = 1.28
(b)
248-2
Andesite
von Quadt et al. (2014)
CA-TIMS concordia age (6 zircon crystals) 24.422 ± 0.025 Ma (2σ)
μ = -4.48
σ = 1.06
(c)
029-5
Andesite
von Quadt et al. (2014)
CA-TIMS concordia age (6 zircon crystals) 24.480 ± 0.084 Ma (2σ)
μ = -3.10
σ = 0.47
(d)
059-1
Andesite
von Quadt et al. (2014)
Weighted mean of CA-LA-ICP-MS U-Pb dates 24.57 ± 0.28 Ma (2σ)
μ = -3.48
σ = 0.52
(e)
CTU
Rhyolite
Watts et al. (2016)
Weighted mean of CA-SIMS U-Pb dates 34.41 ± 0.26 Ma (2σ)
μ = -3.21
σ = 0.29
(f)
RCP
Rhyolite
Watts et al. (2016)
Weighted mean of CA-SIMS U-Pb dates 34.38 ± 0.32 Ma (2σ)
μ = -3.96
σ = 0.80
(g)
SRF
Rhyolite
Watts et al. (2016)
Weighted mean of CA-SIMS U-Pb dates 34.43 ± 0.73 Ma (2σ)
μ = -4.57
σ = 1.08
(h)
DG 026
Granodiorite
von Quadt et al. (2014)
CA-TIMS concordia age (6 zircon crystals) 76.413 ± 0.45 Ma (2σ)
μ = -3.74
σ = 0.56
(i)
MM20-EC-109
Volcanic ash deposit
(this study)
CA-TIMS weighted mean (5 of 5 zircon crystals) 144.5 ± 0.07 Ma (2σ)
μ = -4.73
σ = 1.91
(j)
AvQ 244
Granite
von Quadt et al. (2014)
CA-TIMS concordia age (7 zircon crystals) 333.60 ± 0.66 Ma (2σ)
μ = -2.69
σ = 0.82
Age (Ma)
Cumulative distribution
206Pb*/238U
%