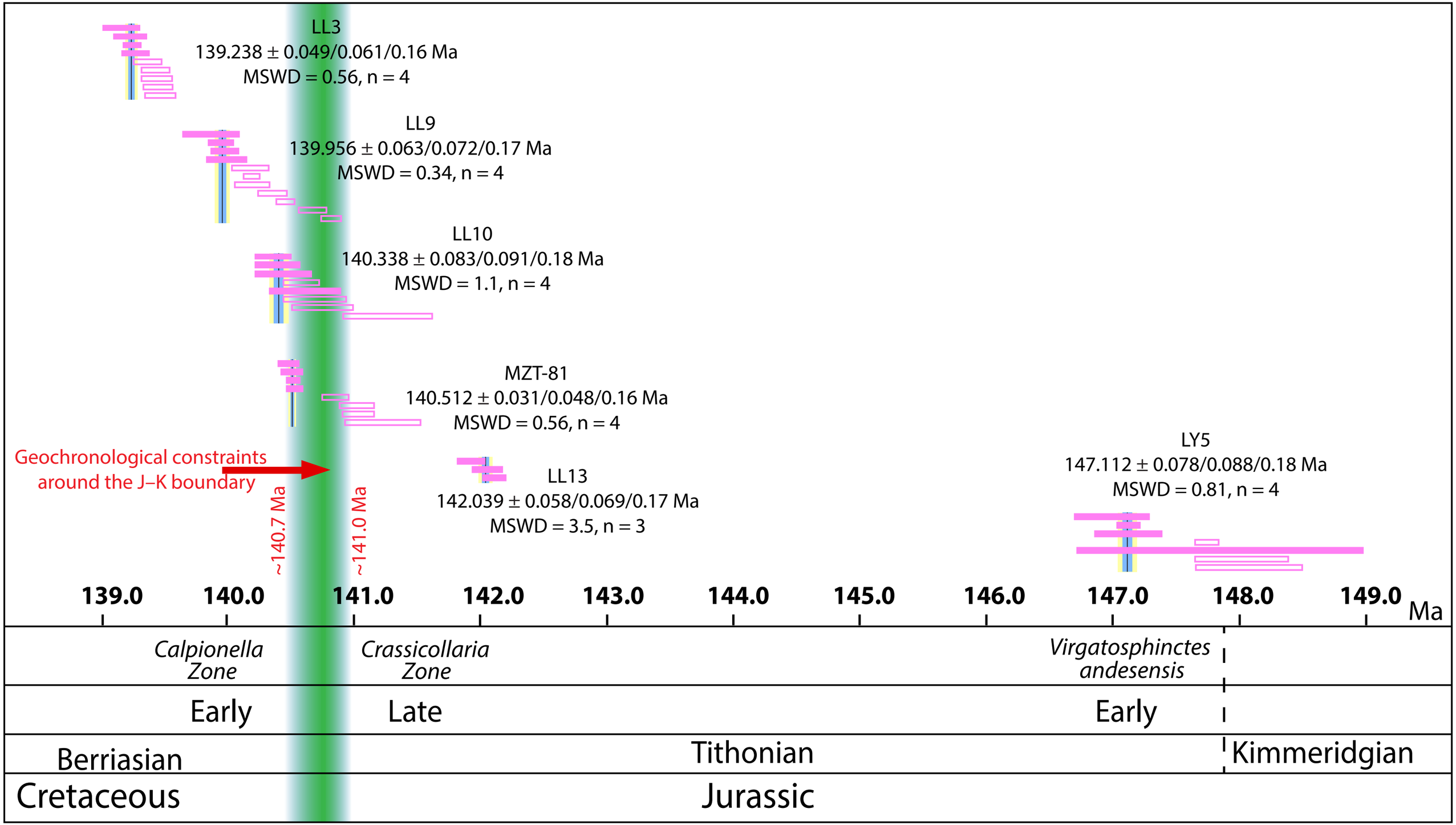
LL3
139.238 ± 0.049/0.061/0.16 Ma
MSWD = 0.56, n = 4
LL9
139.956 ± 0.063/0.072/0.17 Ma
MSWD = 0.34, n = 4
LL10
140.338 ± 0.083/0.091/0.18 Ma
MSWD = 1.1, n = 4
MZT-81
140.512 ± 0.031/0.048/0.16 Ma
MSWD = 0.56, n = 4
LL13
142.039 ± 0.058/0.069/0.17 Ma
MSWD = 3.5, n = 3
LY5
147.112 ± 0.078/0.088/0.18 Ma
MSWD = 0.81, n = 4
Geochronological constraints around the J–K boundary
~140.7 Ma
~141.0 Ma
139.0
140.0
141.0
142.0
143.0
144.0
145.0
146.0
147.0
148.0
149.0
Ma
Calpionella Zone
Crassicollaria Zone
Virgatosphinctes andesensis
Early
Late
Early
Berriasian
Tithonian
Kimmeridgian
Cretaceous
Jurassic