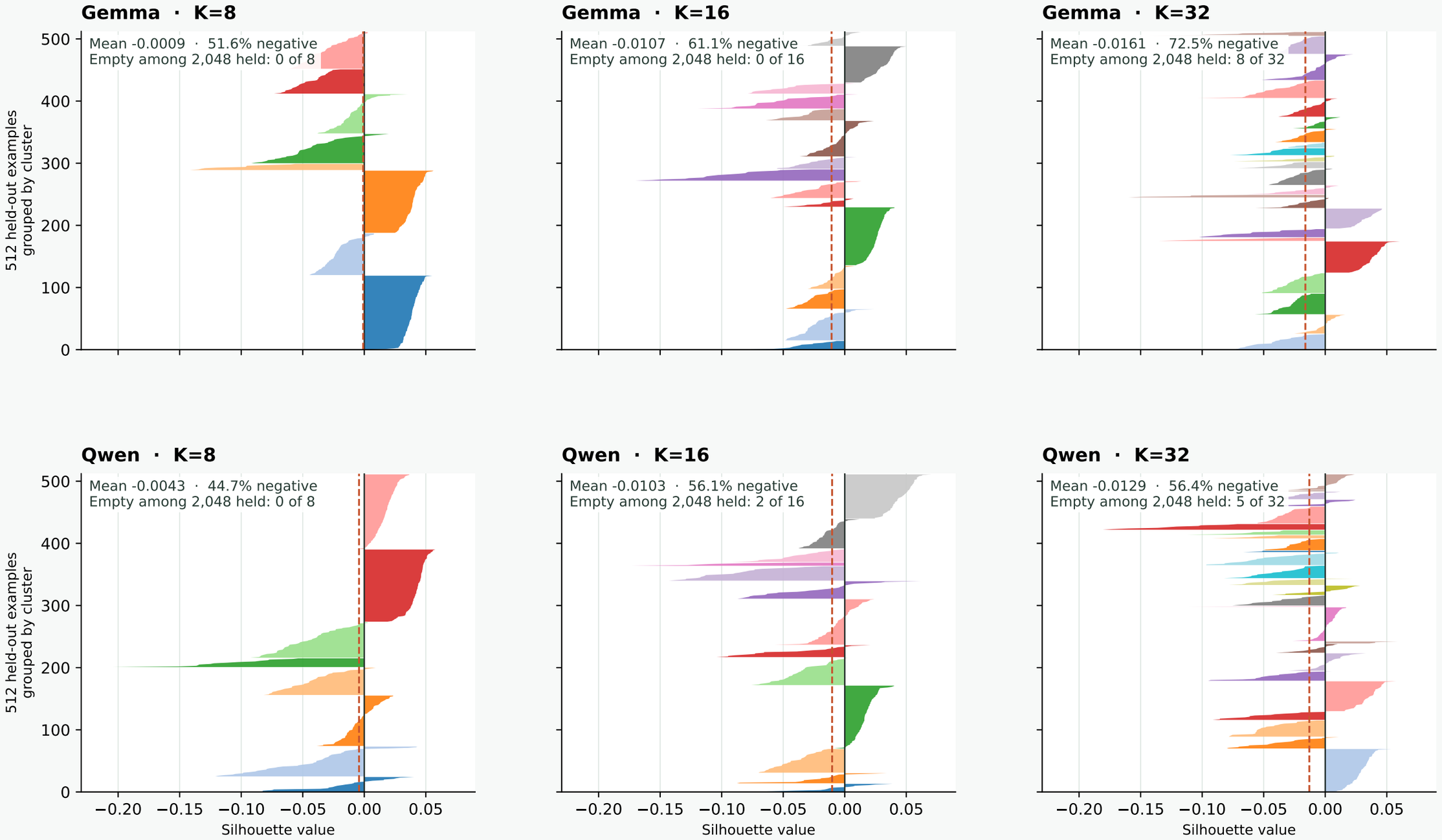
Full-width clustering: held-out silhouette profiles

Matched 4,096 training / 2,048 held-out profile IDs; shown: the same first 512 held-out profiles.



Within each panel, colors separate clusters; colors do not match across panels. Black = zero; dashed orange = mean.
Gemma: 3 starts/≤20 iterations; Qwen: 2 starts/≤15. Only selected starts continued to stable labels and were audited.
Sample-based, cohort-4 no-hit profiles only. Low silhouettes do not prove that no other structure exists.