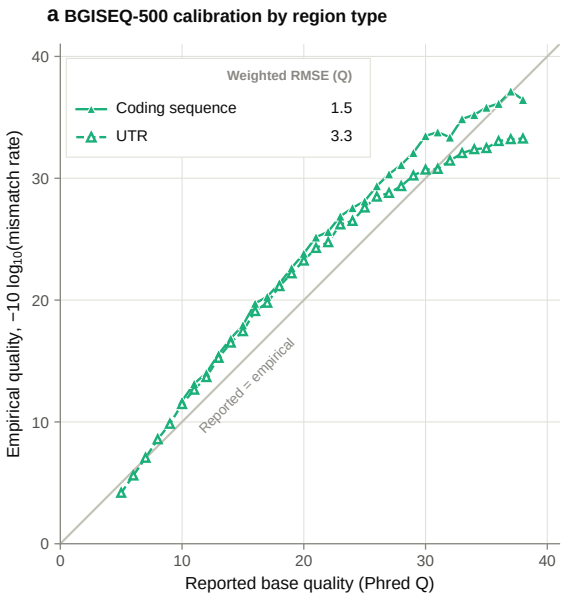
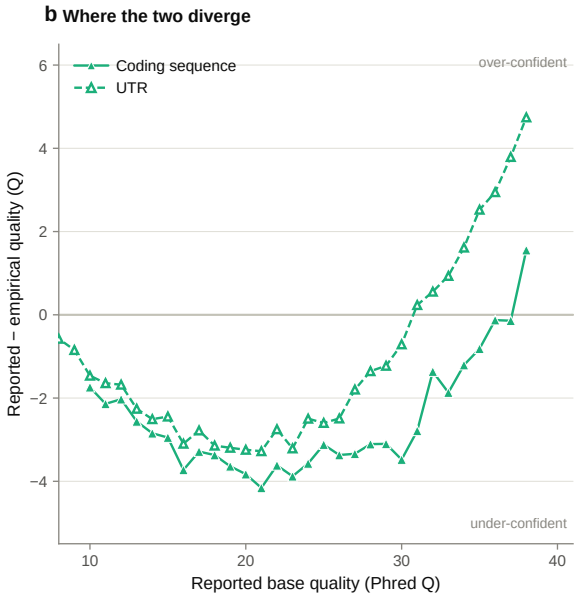

a BGISEQ-500 calibration by region type
Weighted RMSE (Q)
Coding sequence 1.5
UTR 3.3
Reported = empirical
Empirical quality, −10 log10(mismatch rate)
Reported base quality (Phred Q)
0
10
20
30
40


b Where the two diverge
Coding sequence
UTR
over-confident
under-confident
Reported − empirical quality (Q)
Reported base quality (Phred Q)
6
4
2
0
−2
−4
10
20
30
40