Monotonicity enforced Forward Reads A2A A2C A2G A2T 1e+00 1e-02 1e-04 C2A C2C C2G C2T 1e+00 1e-02 Error frequency (log10) G2C G2G G2T G2A 1e-04 T2A T2C T2G T2T 1e+00 1e-02 1e-04 0 10 20 30 40 0 10 20 30 40 Ö 10 20 30 40 0 10 20 30 40 Consensus quality score

Monotonicity enforced Reverse Reads A2A A2C A2G A2T 1e+00 1e-02 1e-04 1e-06 C2A C2C C2G C2T 1e+00 1e-02 Error frequency (log10) G2C G2G G2T G2A 1e-04 1e-06 -T2G T2A T2C T2T 1e+00 1e-02 1e-04 1e-06 10 20 30 40 0 10 20 30 40 Ö 10 20 30 40 Ö 10 20 30 40

Consensus quality score