Α K=1 K=3 DEploid-IBD DEploid-IBD DEploid-IBD K = 2 K = 4 DEploid Coverage below 20 Coverage below 20 Coverage below 20 Coverage below 20 Wrong k Wrong k DEploid-IBD ben in the . : : 2.0 2.5 0.5 0.5 1.0 1.5 3.0 3.5 0.0 0.2 0.4 0.6 0.8 10 100 1000 10000 1.0 Proportion Fraction of K Effective K Pairwise Relatedness IBD N50 (kb) В K = 1 = K = 3 DEploid-IBD DEploid-IBD DEploid-IBD K=2 K=4 DEploid Coverage below 20 Coverage below 20 Coverage below 20 Coverage below 20 Wrong k Wrong k DEploid-IBD State of State Congress. 0.5 10 15 2.5 3.0 3.5 0.6 100 1000 10000 2.0 0.4 Proportion Fraction of K Effective K Pairwise Relatedness IBD N50 (kb)