increased_mutations chr2 chr3 chr4 sample_6 ² chr2 chr3 chr4 6 internal7 chr2 chr3 chr4 9 sample_1 ² chr2 chr3 chr4 10 internal4 2 chr2 chr4 chr3 8 internal6 ² chr2 chr3 chr4 sample_5 chr2 chr3 14 sample_3 ² chr2 chr3 chr4 11 internal5 ² chr2 chr3 chr4 15 sample_2 ² chr3 chr2 chr4 13 internal3 ² chr2 chr3 chr4 sample_4 ² chr2 chr3 chr4 11 internal2 2 chr2 chr3 chr4 sample_7 chr3 chr4 chr2 7 internal1 ² chr4 chr3 chr2 sample_8 ² chr2 chr3 chr4 diploid 2 0 5 10 15 20 25 30 35 40 45 branch length subclonal changes -12 chr2 all changes -6 35 20 genome position 5 10 15 25 30 40 0