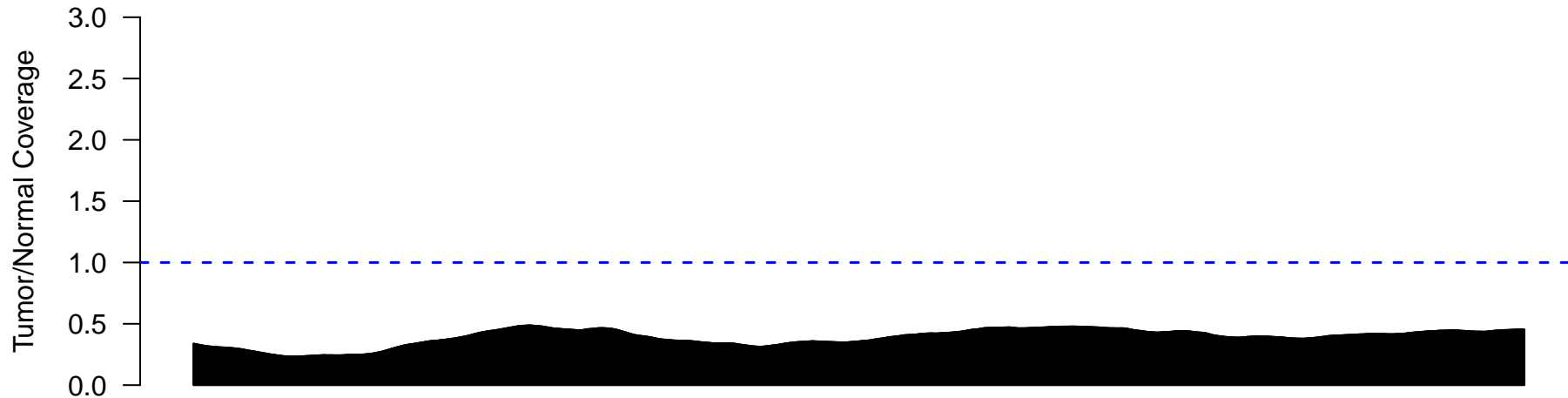
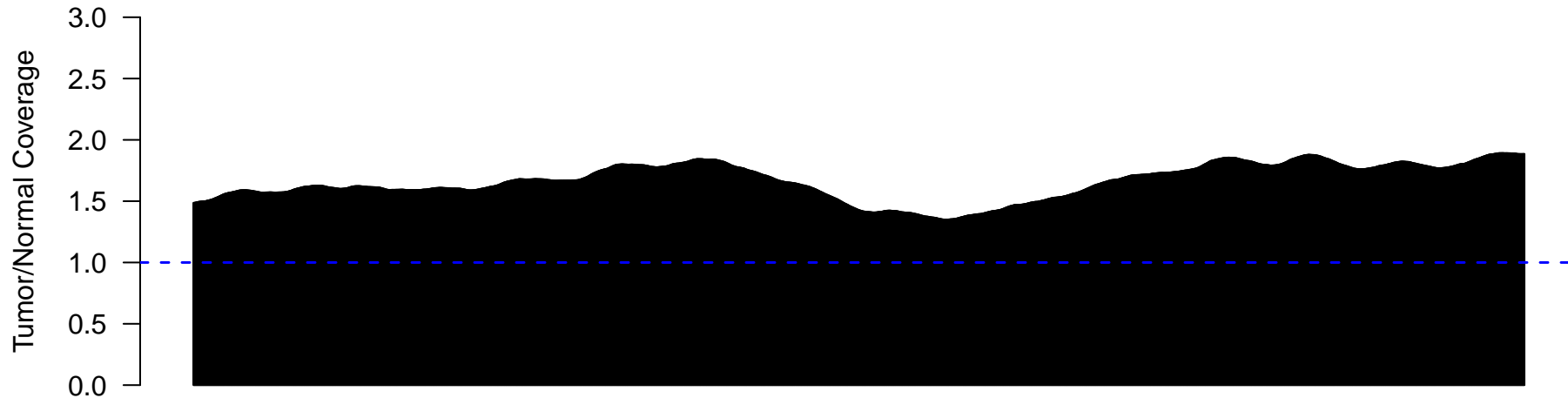


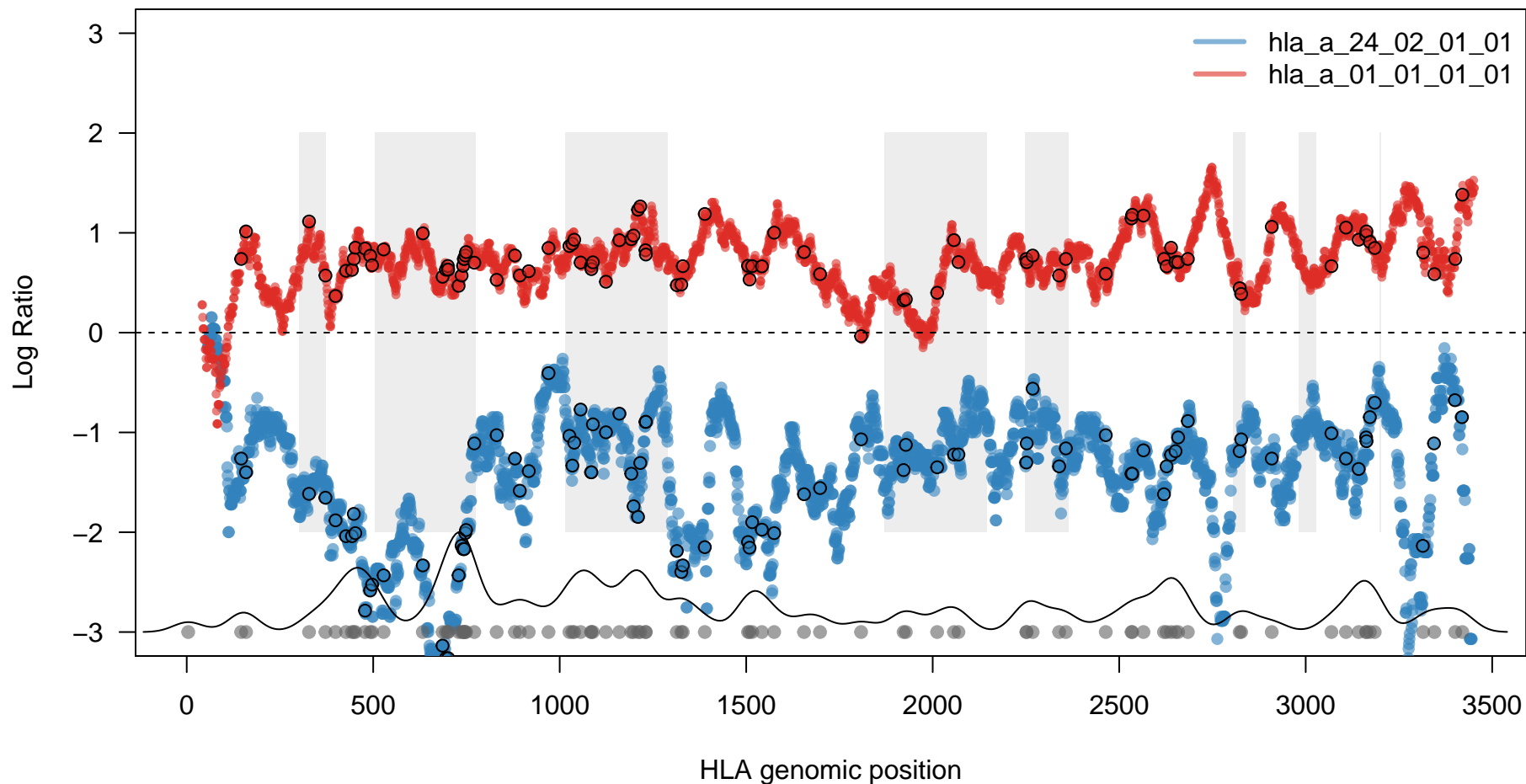
hla_a_24_02_01_01



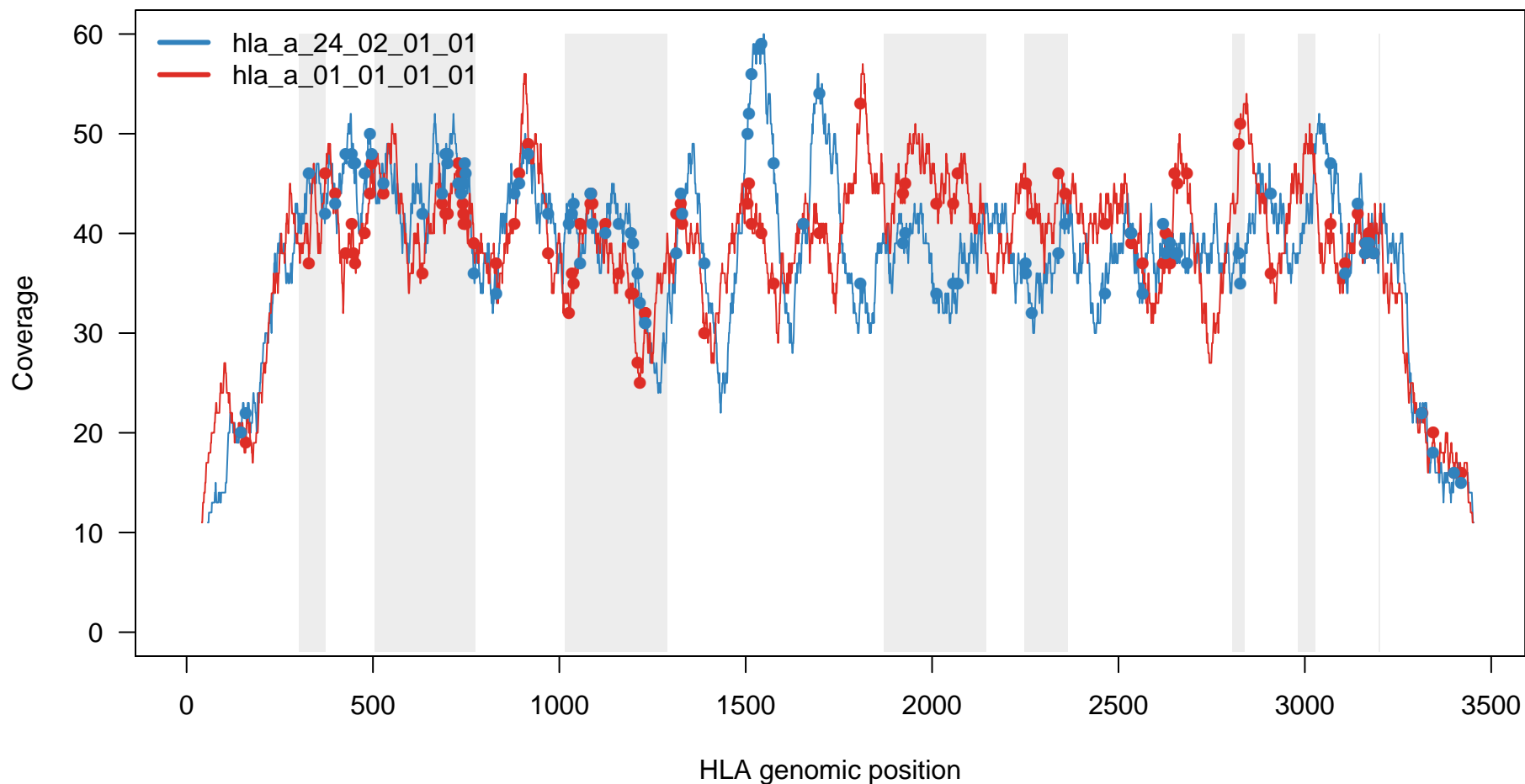
hla_a_01_01_01_01



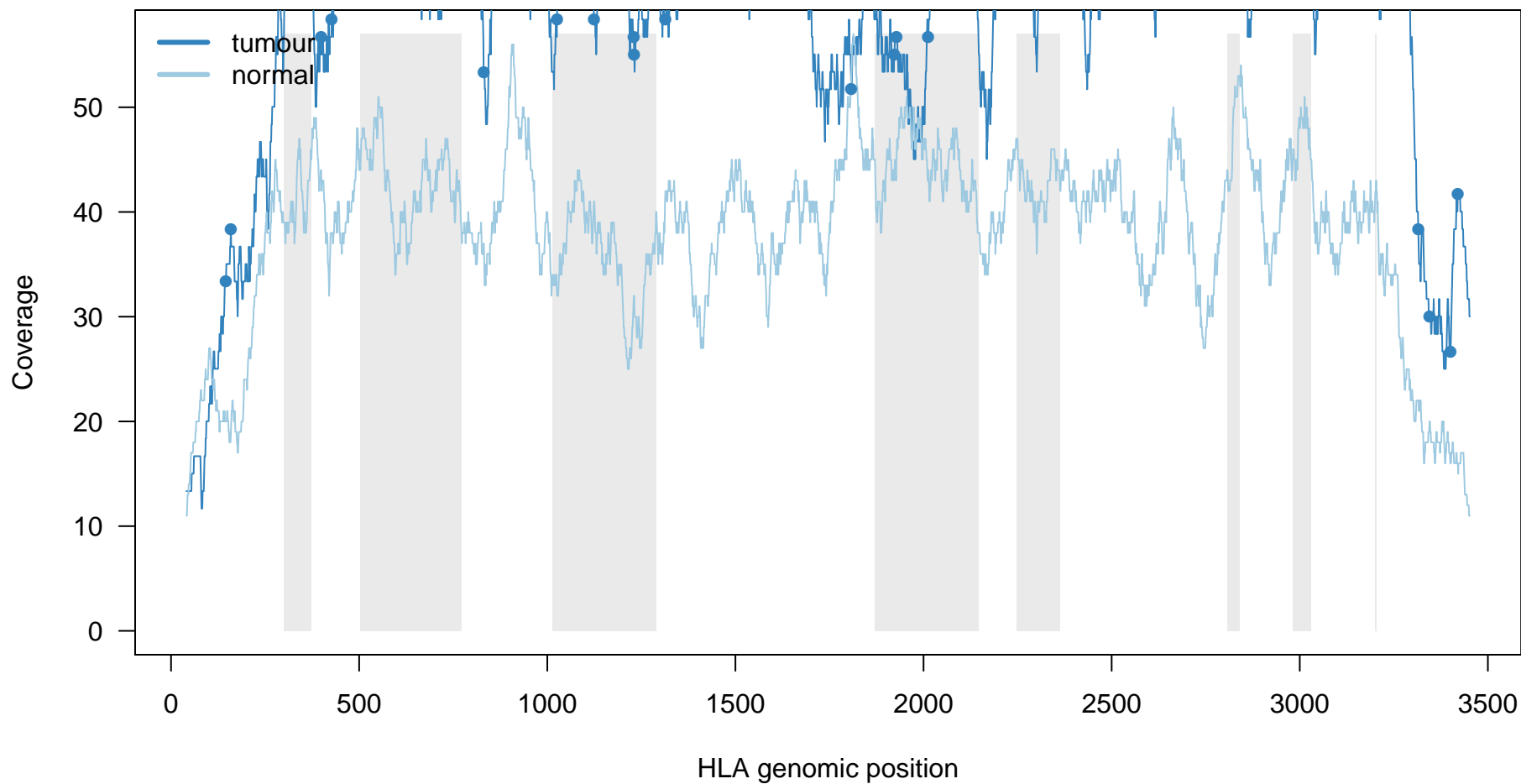
HLA raw balance example_tumor_sorted



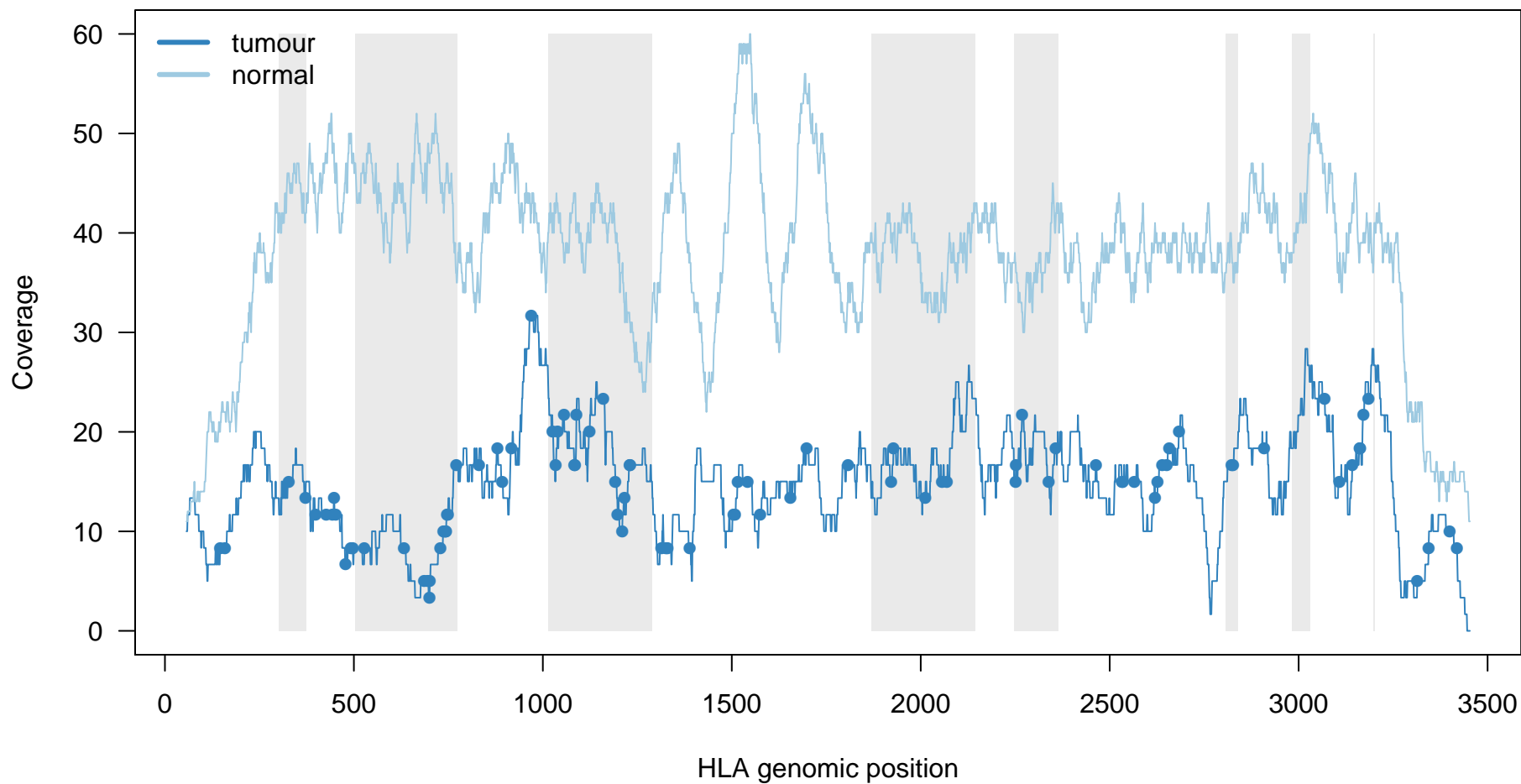
HLA normal coverage example_tumor_sorted



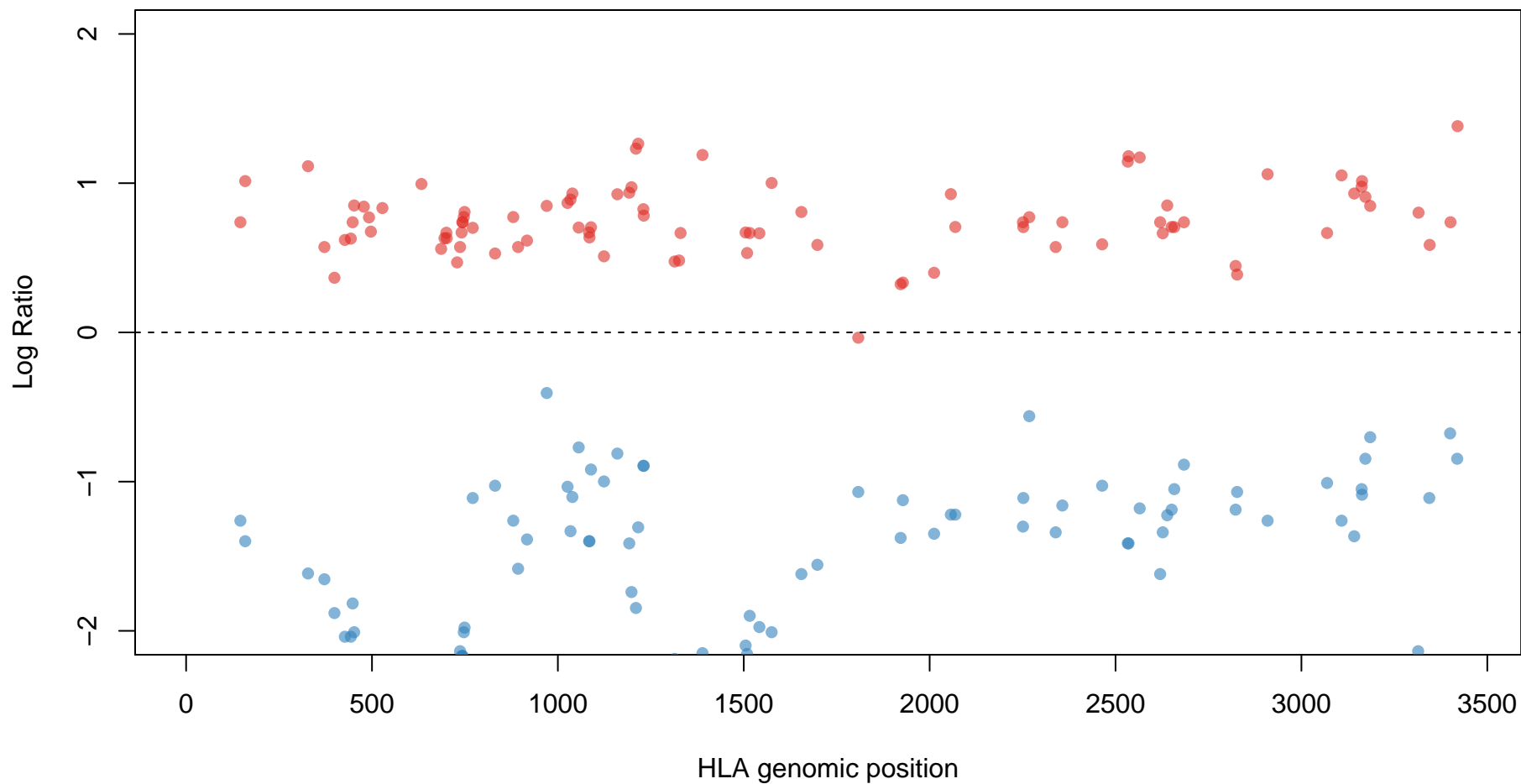
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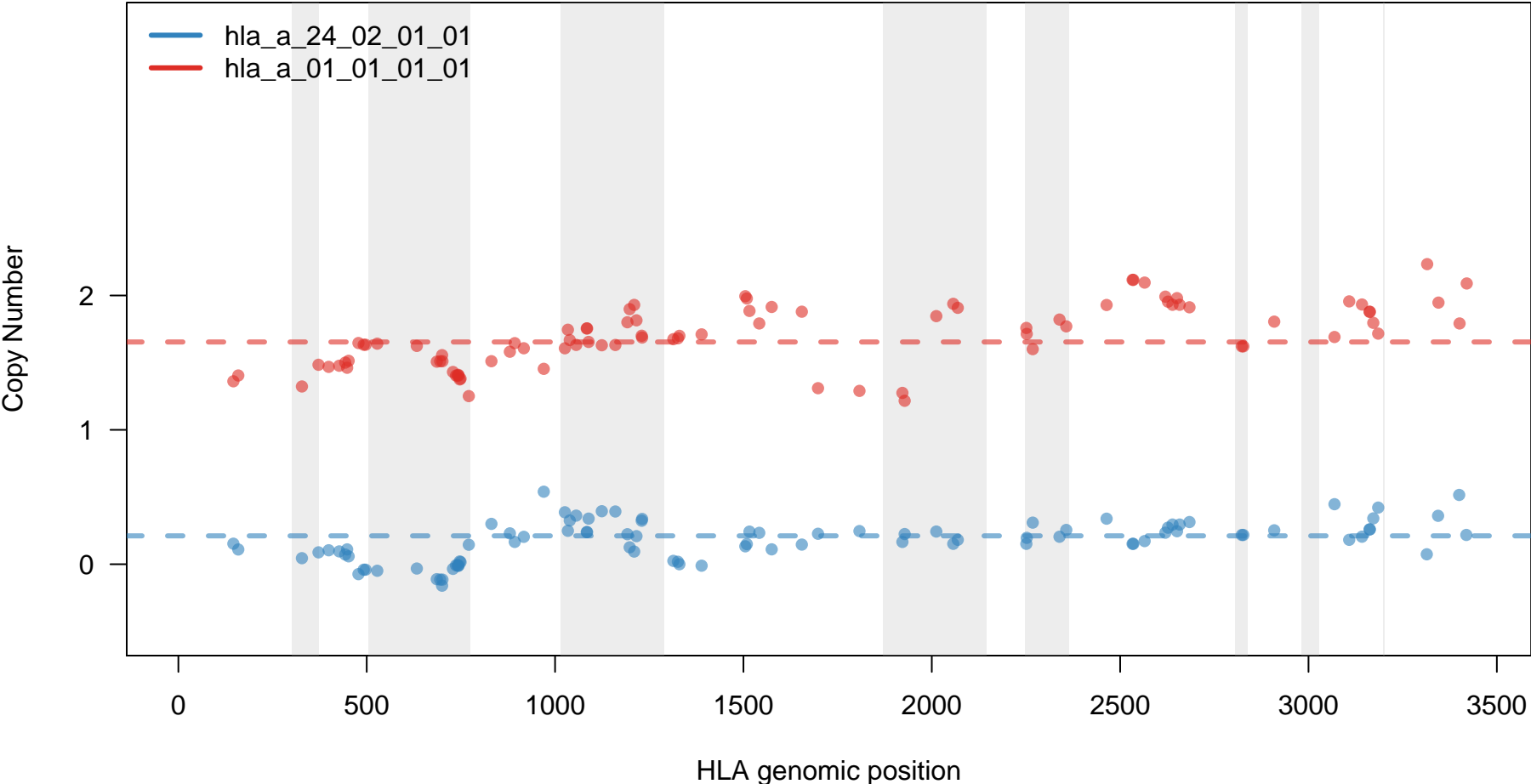
hla_a_24_02_01_01



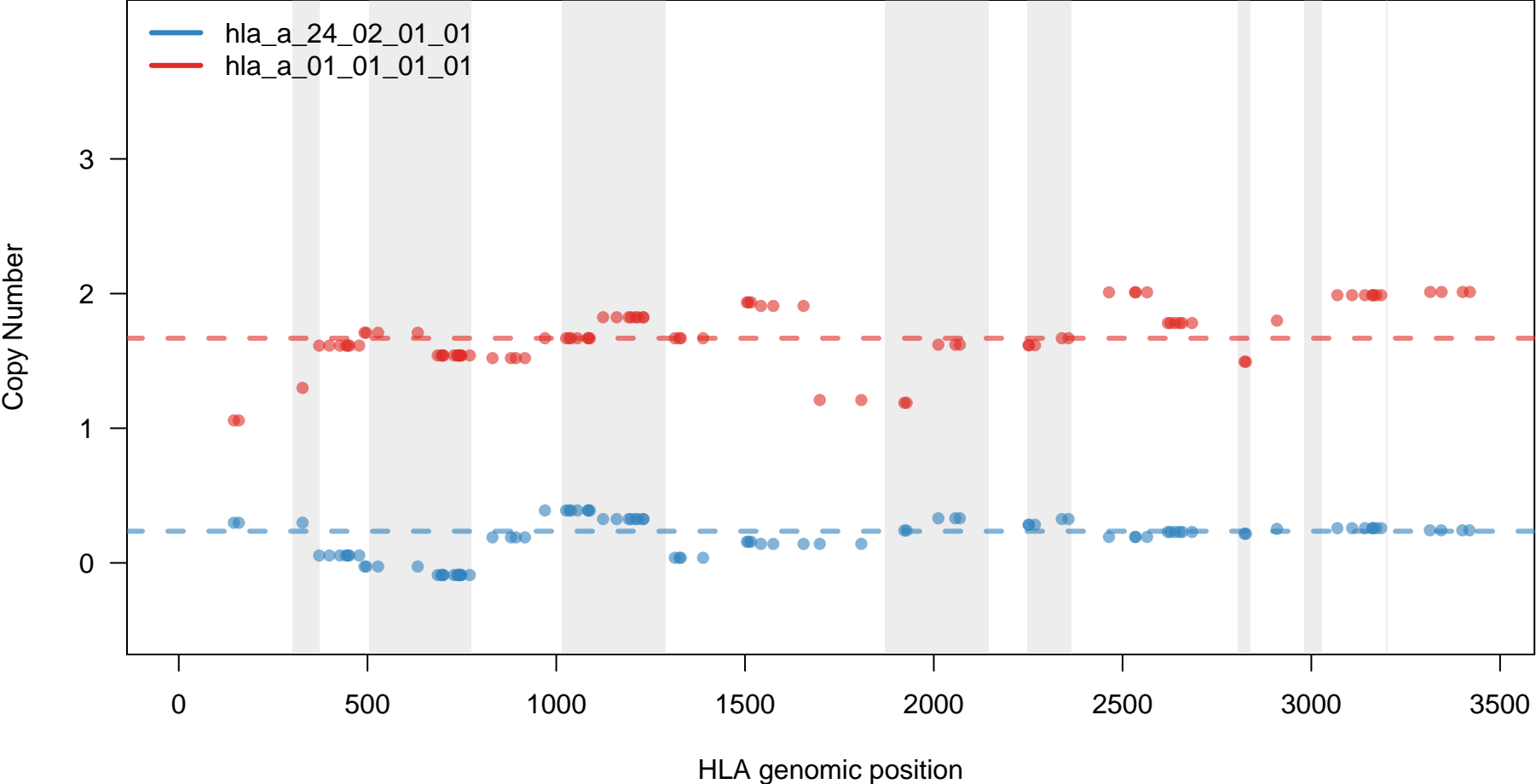
HLA raw balance example_tumor_sorted



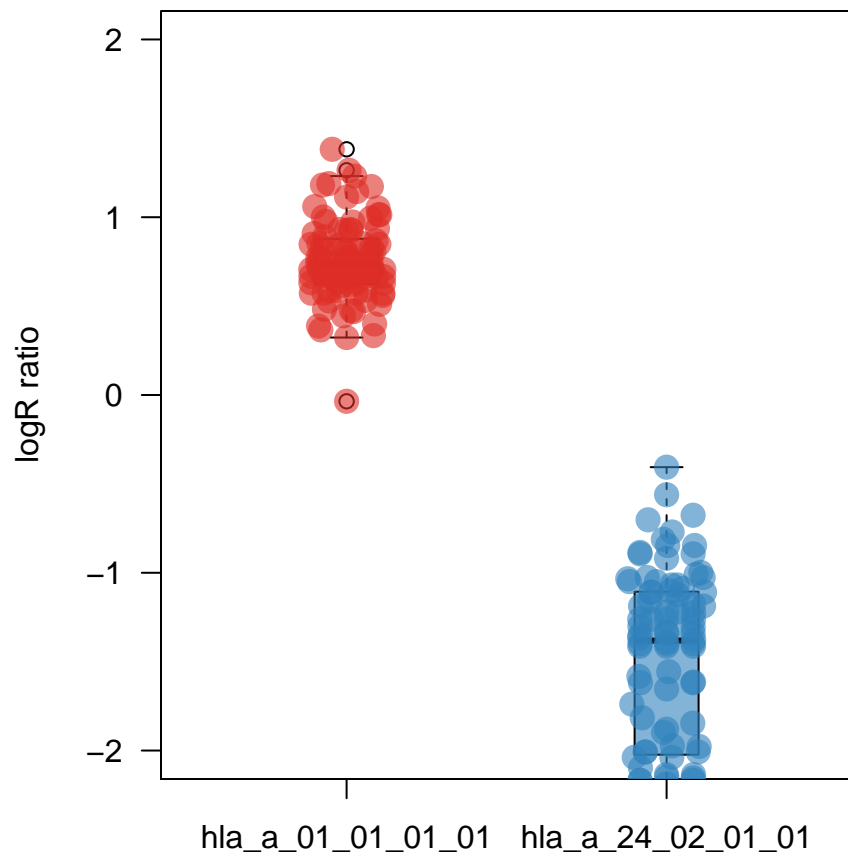
HLA copyNum balance example_tumor_sorted



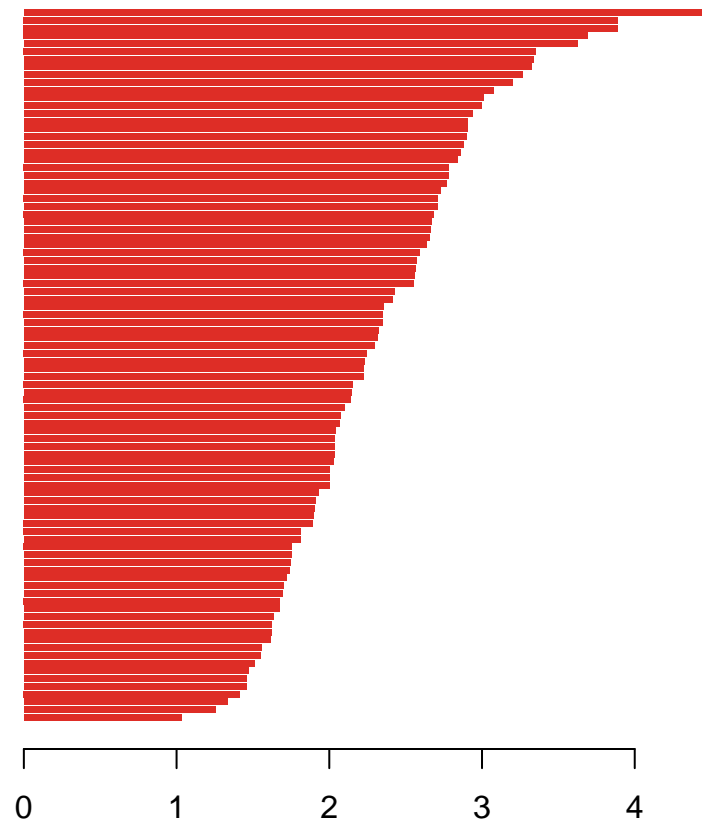
HLA copyNum balance example_tumor_sorted



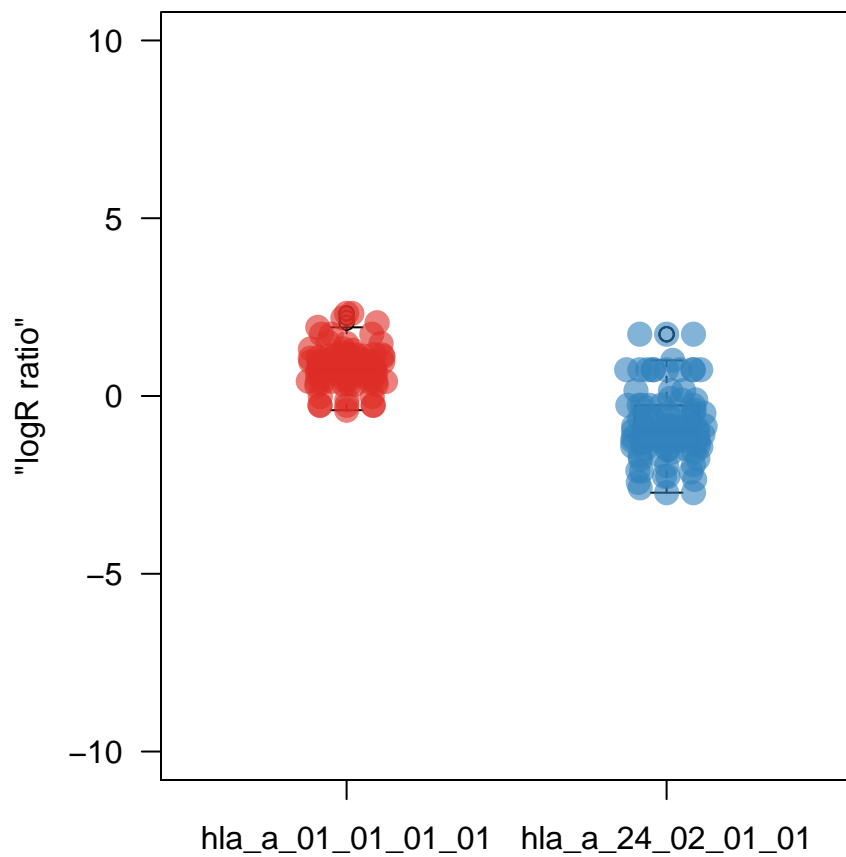
Paired t.test p.val= $4.18\text{e-}53$



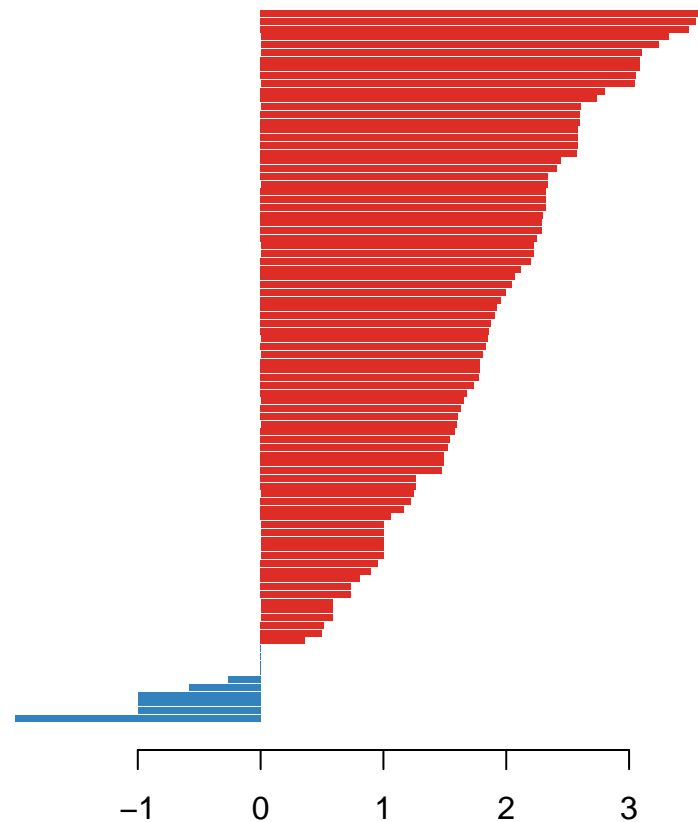
Paired Differences in logR



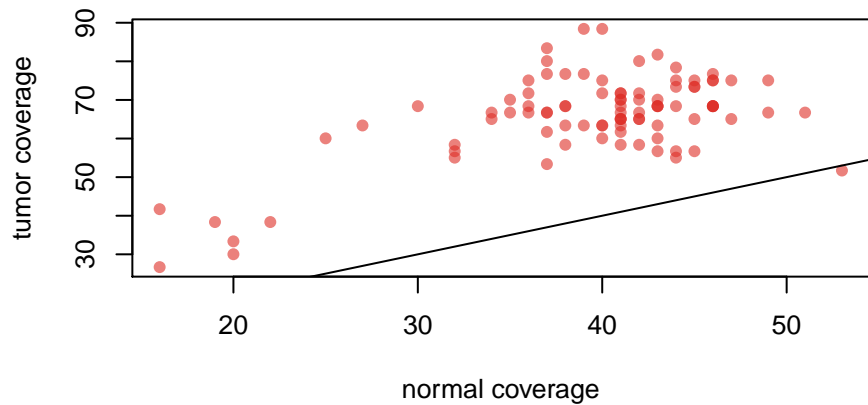
Paired t.test p.val= 1.01e-24



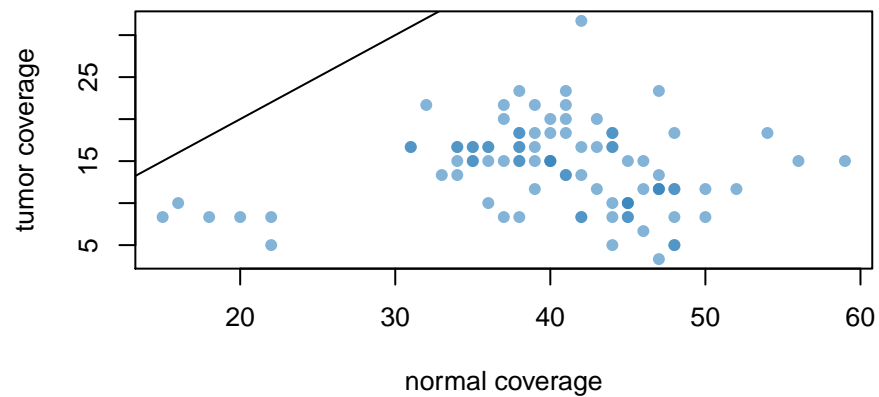
Paired Differences in logR



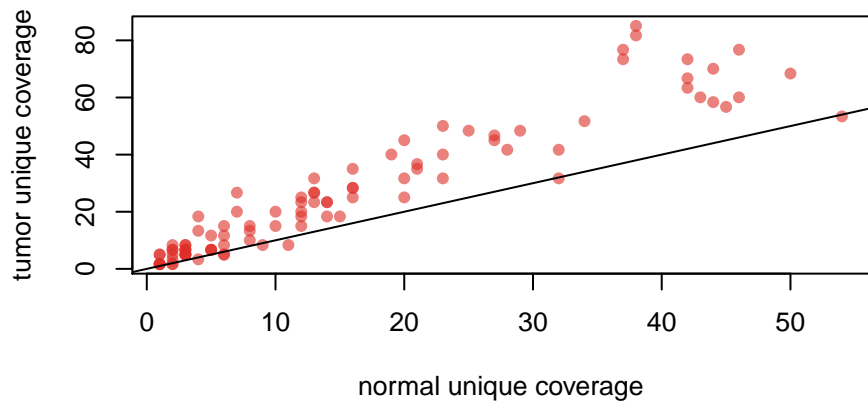
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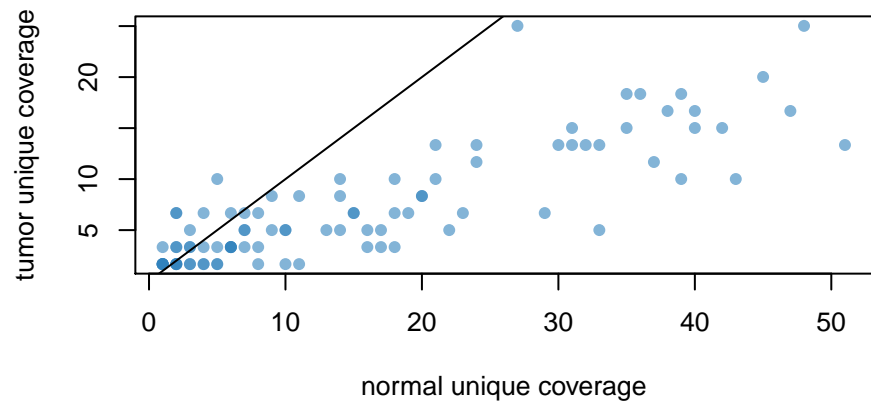
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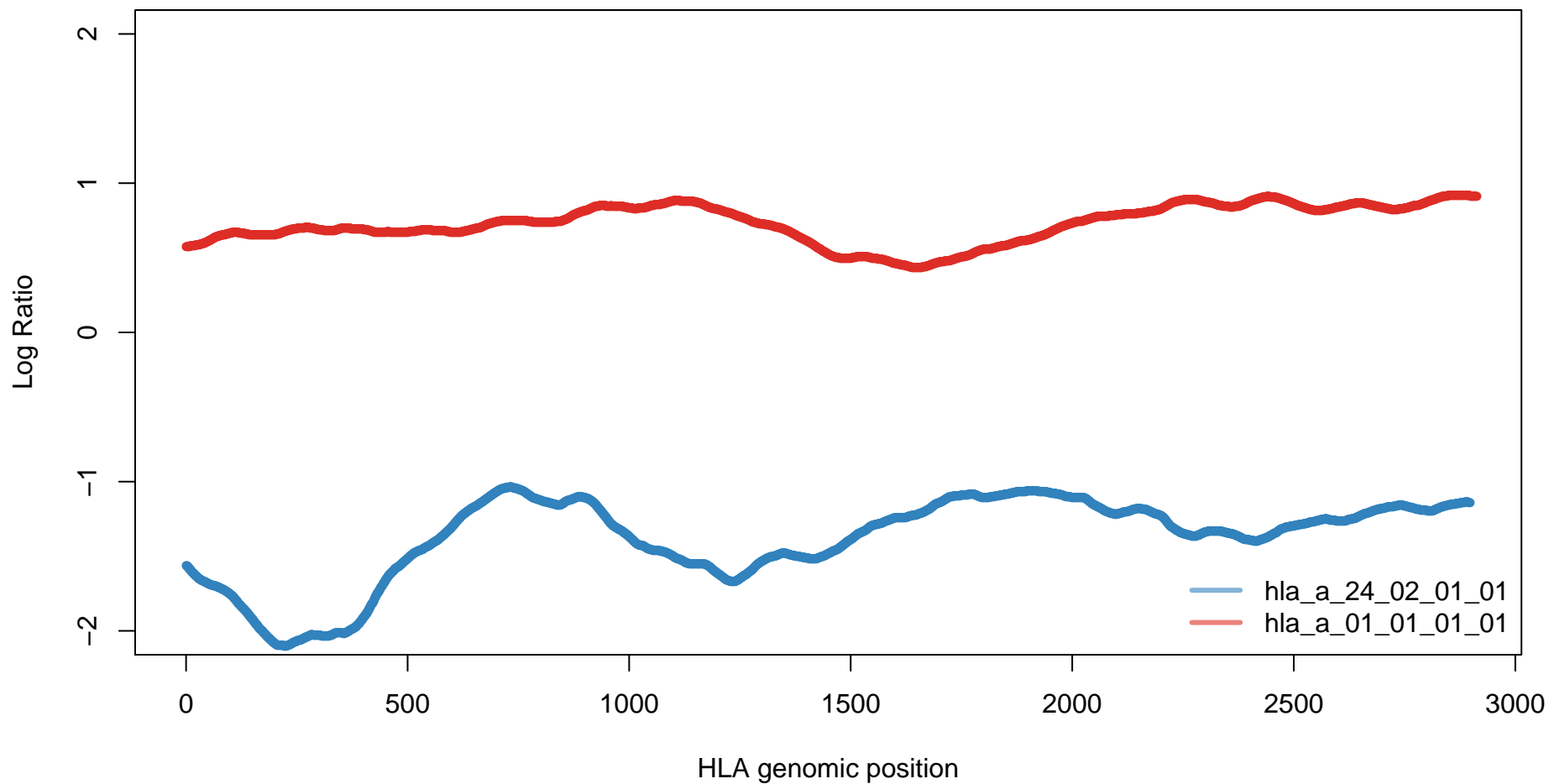
hla_a_01_01_01_01



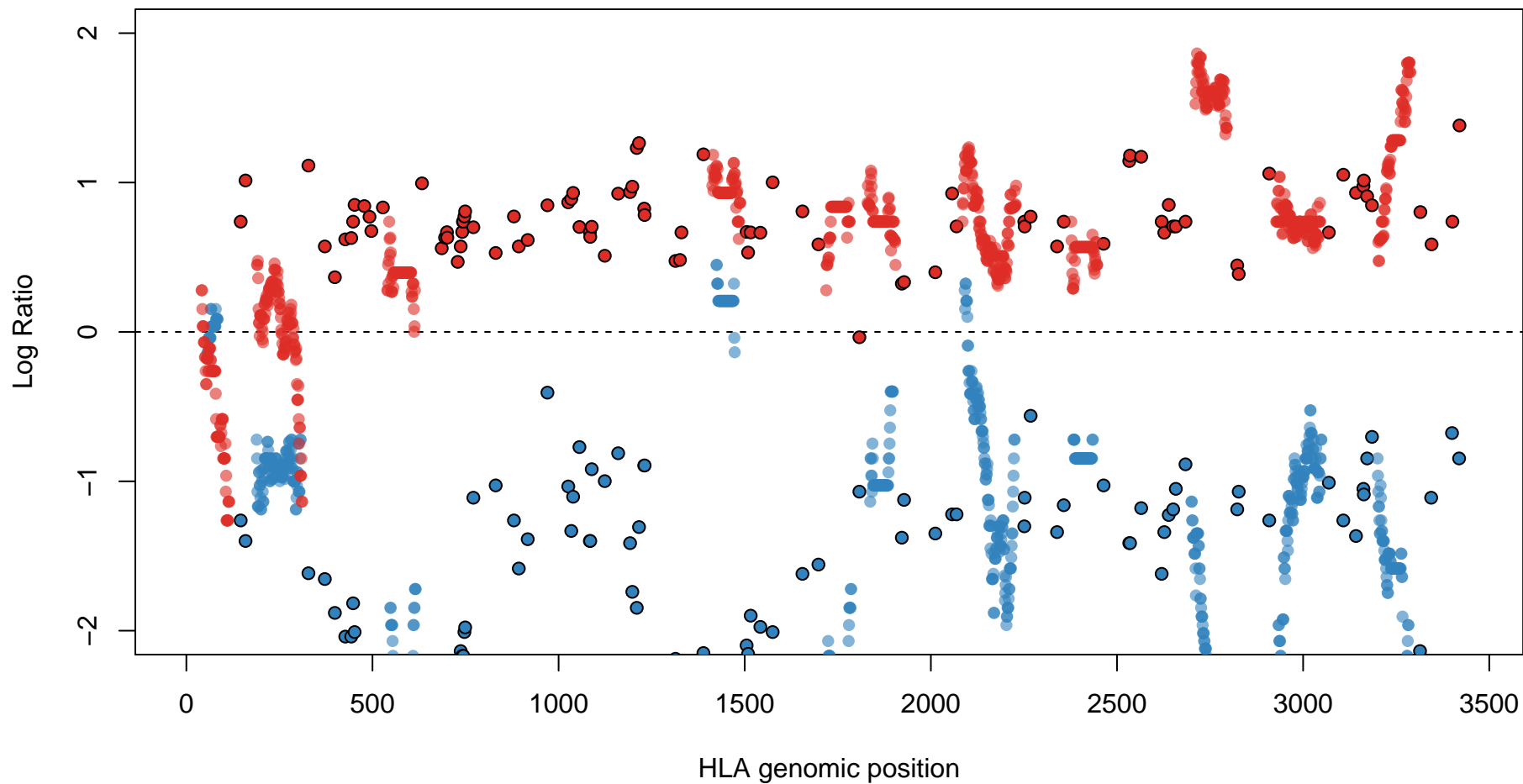
hla_a_24_02_01_01



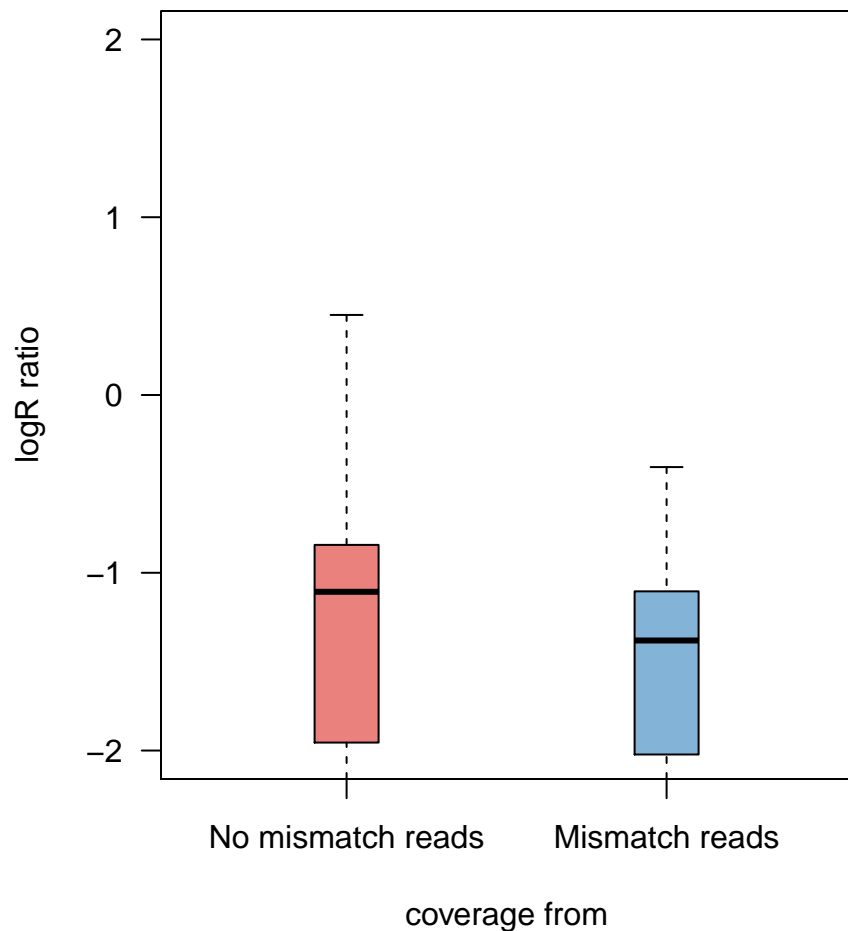
HLA rolling mean balance example_tumor_sorted



HLA raw balance example_tumor_sorted



hla_a_24_02_01_01
t.test p.val= 0.182



hla_a_01_01_01_01
t.test p.val= 0.00069

