Errata

- **Page 27**. Incorrect reference number in the following sentence. The reference is missing under the *REFERENCES* chapter.
    - PCR duplicate reads as a result of sequencing PCR copies of the exact same DNA fragment [70]
    - **Reference**: Ebbert MTW, Wadsworth ME, Staley LA, Hoyt KL, Pickett B, Miller J, et al. Evaluating the necessity of PCR duplicate removal from next-generation sequencing data and a comparison of approaches. BMC Bioinformatics. 2016 Jul 25;17 Suppl 7:239.
- **Page 47**. Fixed sentence:
    - The Benjamini-Hochberg correction arranges the P-values in **ascending** order, ranks them, and adjusts the P-values ~~inversely proportion~~ **in inverse proportion** to their rank.
- **Page 48**. Fixed sentence:
    - … under this permutation setup can provide an estimation of the ~~number of false positives~~ **false positive rate**. Consequently, the ~~false positive rate~~ **number of false positives** and the FDR can be estimated.
- **Pages 56, 90, 92, 94.** New chapters should have started on odd-numbered pages.
- **Page 59**. Incorrect formula for BAF_i. Correct formula:
    - $$BAF_i = \left(\frac{B_i}{A_i + B_i}\right)$$
- **Page 60**. Incorrect formula for S. Correct formula:
    - $$S = \left(\frac{|\overline{logr_{win_i}} - \overline{logr_{win_{i+1}}}|}{\tau_{logr}}\right)^2 + \left(\frac{|\overline{cBAF_{win_i}} - \overline{cBAF_{win_{i+1}}}|}{\tau_{BAF}}\right)^2 \equiv \left(\frac{\Delta logr}{\tau_{logr}}\right)^2 + \left(\frac{\Delta BAF}{\tau_{BAF}}\right)^2$$
- **Page 63**. Incorrect formula for *c(x)*. Correct formula:
    - $$c(x) = \max(0, (R(x) - \max(Q_1(P_{10}(x)), Q_1(P_{100}(x)), \mathbf{Q_1}(P_{chr}(x)))))$$
- **Page 70**. Fixed sentence:
    - … either in terms of mRNA or protein levels, and focused on those exhibiting a negative correlation ~~greater~~ **less** than -0.50.
- **Page 72**. Incorrect reference number in the following sentence:
    - It is worth mentioning that Segmentum's output is compatible as an input to other tools such as ABSOLUTE ~~[192]~~ **[208]**.

- **Page 76**. Improved **Figure 11A**'s legend:
  - … the majority of the DARs are located in intergenic and intronic regions. **Percentages in parentheses correspond to DARs in the BPH to PC and PC to CRPC comparisons, respectively.**
- **Page 77**. Improved **Figure 12**'s legend:
  - … DMR, differentially methylation region. **Percentages in parentheses correspond to DMRs in the BPH to PC and PC to CRPC comparisons, respectively.**
- **Page 81.** The values in the lower Venn diagram of **Figure 15** have been updated as follows: