SoftGenetics

Software ***PowerTools*** *for Genetic Analysis*

Additions to NextGENe software with version 2.4.2.2

- Remove Duplicates – Add support for removal of PCR duplicates indexed with Unique Molecular Identifiers (UMIs)
- Add NEBNext templates to AutoRun
    - Direct Cancer Hotspot panel
    - Direct BRCA1 and BRCA2 panel
- Reference and Track Manager
    - Integrated Preloaded References with Track Manager
    - Storage enhancements – tracks can be shared with references of same genome build
    - Speed improvements – import and query
    - Interface updates
- Simplify connection between NextGENe and Geneticist Assistant
- Viewer
    - Updated to 64-bit platform
    - Improve interface – add ROI track and enhance graphics and zooming
    - Mutation Report
        - Add “In-read phasing” capabilities to mutation call algorithm
        - Improve balance ratio filter options
        - Enable column ordering
- Variant Comparison Tool
    - Add "Show all transcripts" feature to Variant Comparison Tool
- CNV Tool
    - Enable batch processing of up to 48 sample projects
    - Allow up to 24 control projects
    - SNP comparison methodology improvement and additional filtering options
- Batch CNV Tool – Similar to MLPA for detection of deletions and duplications, this High Throughput NGS method for evaluating targeted panels for CNV has its advantages. This tool has enhanced calculations, additional graphics add filtering options.