

## Release Notes for NexteraRapidCapture Exome manifests version 1.2

- 1) The targeted region manifest has grown from 37Mb to 45Mb, covering more of the bases that are enriched by the probes present in the product and slightly more of CCDS.
- 2) Manifest design changed to more closely match the approach used by other commonly used exome products. Used the approach described in the GENCODE publication for guidance (<http://www.ncbi.nlm.nih.gov/pubmed/22955987>).
- 3) Percent of non-padded on-target bases should increase by over 10% per sample.
- 4) Version 1.2 file names:
  - a. NexteraRapidCapture\_Exome\_TargetedRegions\_v1.2.txt
  - b. NexteraRapidCapture\_Exome\_Probes\_v1.2.txt
- 5) Note: A targeted region manifest v1.1 was never created or released. However, a probe manifest v1.1 was released. Therefore, to keep version names in sync, both the new targeted region manifest and probe manifest are being called version 1.2. The original manifest files have been renamed with versioning information (v1.1) in BaseSpace.