

MCCRD: PDMR NextGen Sequence Versioning Structure	Effective Date:	11/01/2017
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1.0 PDM NGS DATA FILE NOMENCLATURE AND VERSIONING

- 1.1 Beginning with NextGen sequencing (NGS) pipeline SOPs version 2.0, NGS filenames use the following version structure to define the pipeline used for analysis.
- 1.2 The **structure of the version used in filenames is va.b.c.d.e.** Table 1 lists all version definitions currently in use.
- “v” simply indicates version
 - Numbers in the “a” location indicate the major pipeline version
 - Numbers in the “b” location indicate the minor pipeline version
 - Numbers in the “c” location indicate the sequence platform
 - Numbers in the “d” location indicate the laboratory assay used
 - Numbers in the “e” location indicate the how the data were merged
- 1.3 Example of an NGS filename. Tildes are used in the filename to allow automated linking of files in the PDMR database.
- 114551~080-T~M667M228~**v2.0.1.51.0**~WES.vcf
- 1.3.1 Note that earlier NGS pipelines (e.g., v1.2 and 1.3) only tracked the pipeline version in the filename, not the analysis information.

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TABLE 1: Definitions of version annotation beginning with v2.0 of the NGS pipeline

Version	Description: Assay, Material, Input (where relevant)
2	Pipeline version (major revision)
2.0	Pipeline version (minor revision)
2.0.1	HiSeq
2.0.2	NovaSeq
2.0.1.X.1	FASTQ files from multiple batches/runs were merged
2.0.1.X.0	No data were merged at FASTQ level
2.0.1.X.2	Merged FASTQ file was generated using different DNA inputs in the same assay
2.0.1.50.X	SureSelect v5 Exome, Flash Frozen, 600ng
2.0.1.51.X	SureSelect v5 Exome, Flash Frozen, 50ng
2.0.1.52.X	SureSelect v5 Exome, FFPE, 50ng
2.0.1.53.X	SureSelect v5 Exome, FFPE, 600ng
2.0.1.60.X	SureSelect v6 Exome, Flash Frozen, 600ng
2.0.1.61.X	SureSelect v6 Exome, Flash Frozen, 50ng
2.0.1.62.X	SureSelect v6 Exome, FFPE, 50ng
2.0.1.63.X	SureSelect v6 Exome, FFPE, 600ng
2.0.1.4.X	Access RNASeq, Flash Frozen, 10 ng (DV200 >70)
2.0.1.5.X	Access RNASeq, FFPE, 20 ng (DV200 >70)
2.0.1.6.X	Flash Frozen, 4X40ng (DV200 <70) or re-runs of failed 10 or 20 ng
2.0.1.7.X	FFPE, 4X40ng (DV200 <70)
2.0.1.8.X	Ultra-Low input WES
2.0.1.9.X	Fibroblast material used as germline surrogate
2.0.1.10.X	PBMC used as germline (prioritized as germline specimen)
2.0.1.11.X	RNASeq, Flash Frozen, 1x40ng (DV200 <70)
2.0.1.12.X	RNASeq, FFPE, 1x40ng (DV200 <70)