SLOW5 Version 0.1 Specifications

Description	Filename	Extension
ASCII TSV file alternative to FAST5	SLOW5	.slow5
binary SLOW5	BLOW5	.blow5
SLOW5 index for random access	SLOW5 index	.slow5.s5i
BLOW5 index for random access	BLOW5 index	.blow5.b5i

SLOW5 file

Global Metadata	Example	Meaning
file_format	slow5v0.1	the file format
exp_start_time		the experiment's start time
run_id		the id of the sequencing run
flow_cell_id		the id of the nanopore flow cell
asic_id		

Header	Example	Meaning
read_id	ca0779cd-f7a9-4784-bd69-d50d61ce1c72	the (unique?) id of a read
duration		
channel_number		
digitisation		
offset		
range		
sampling_rate		number of signal measurements made per second
n_samples		number of signal measurements made
raw_signal		comma separated list of numerical measurements

BLOW5 file

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file_format	blow5v0.1	the file format
exp_start_time		the experiment's start time
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n_samples		number of signal measurements made

Header	Example	Meaning
raw_signal		numerical measurements

SLOW5 index file

Header	Example	Meaning
read_id	ca0779cd-f7a9-4784-bd69-d50d61ce1c72	the (unique?) id of a read
offset		the number of bytes from the start of the corresponding SLOW5 file to the start of a read in that file
length		the number of bytes from the start of the read to the newline character

BLOW5 index file

Header	Example	Meaning
read_id		the (unique?) id of a read
offset		the number of bytes from the start of the corresponding BLOW5 file to the start of a read in that file
length		the number of bytes from the start of the read to the newline character