Install Nanopore EPI2ME Software on Windows computer

Followed by installation of

Bacterial assembly and annotation workflow

Version: March 2025







Minimal Requirements for Computer/Laptop to install and run Epi2ME:



Install Nanopore Epi2ME software on Windows computer



Install Nanopore Epi2ME - Bacterial Assembly and Annotation Workflow



Check if WSL and Nextflow are installed. If not (red cross), click "open setup"	Open seture
To install WSL, click "Setup" to start installation of WSL and Nextflow	Implementation A manufactor of the state of the st
After installation of WSL and Nextflow, check if installation was successful – green checkmark will appear WSL and Nextflow are ready to use	Control Control Control Control Control Control Control Control Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Settings Grant Marcol Grant Marcol Grant Marcol Grant Marcol Name Setting Grant Marcol <t< th=""></t<>
Go back to "Launch" Select "Bacterial Genomes" Click "Install" (in screen Run Locally) Please note: Installation can take very long (up to hours)	Bacterial Genomes Bacte
Set system resources to maximum 1. Click "Settings" 2. Click "Local"	Settings Lease Working Meetody Image: Im
Slide both "Available cores" and "Available memory" to maximum	Control Control Control Control Note Settings General Local Local Indexet Local Local Note System resources System resources System resources Note Control Control System resources Note State System resources System resources Comparison Control System resources System resources Control State System resources System resources Control System resources System resources System resources System resources System resources System resources System resou

After successful installation of the Bacterial Genomes Workflow, the button "Launch" will appear, to be used to analyse Nanopore sequencing data.

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	Introduction	Cit fran Locatiy 🌰 fran in Cloud
inch	This workflow is primorily used to essentiale genomes from becterial reads and provide information on features of interest within those assemblies through annotations.	Louveh 🕨
	The workflow can provide additional information about the assembly, such as antimicrabial	
UB	In brief, this workflow will perform the following:	Options V
	De novo tor reference-based) essentity of boctaries genomes	Instelled version
	Annotation of regions of interest within the assembly Steeries identification and sequence twinin ("tudaeus" made retail	1041
	Identify genes and SNVs associated with AMI (societies' mode only)	epi2me-lobs
	Reinted protocols 4	Author Oxford Nanopare Technologies
	Input example 4	Togia - denovo - clipment - mosdepth
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ADVANCED EPI2ME installation options - change Workflow files

Please note: Described modifications can only be performed by advanced users who know what they are doing

1. Advanced installation; change workflow to "isolates mode". Default setting is that isolates mode of bacterial genomes workflow it turned off. This isolates mode will add analysis like species identification, MLST STs and Resfinder result.

Follow the following steps to turn isolates mode on.

The isolates mode of the Bacterial Genomes workflow will add species identification, MLST STs and AMR gene analysis. Default setting is that this isolates mode is turned off	Operation Operation Operation Image: Control Control Image: Control Control Image: Control<
Navigate to Bacterial Genomes Workflow 1. Click "Options" 2. Click "Open workflow folder"	Comparing a second
Open file "nextflow" in text editor Change: "isolates = false" in "isolates = true" Save file	<pre>press.bdg = "" press.teg = " press.teg</pre>
Open file "nextflow_scheme" in text editor Change for isolates mode: ""default": false," in "default": true," Save file	<pre>/* Image: Note ************************************</pre>

Launch Bacterial Genomes workflow again and check if mlst and resfinder files are generated	Histor	hopeful_jepsen @ counter Denin. Neveri Fins Lop	Q. bard webbas an pageas	a Day analysis a day analysis and accentic process visit I
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		borcode04.prokke.gff	6.91 MB Document	
		barcade04,resfinder,resuits	Foder	-
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	¢ Settings	i whoch is a second sec	A.39 MB Report	

2. Troubleshooting; Workflow stops with notification that not enough memory is available for workflow, while computer/laptop has the prescribed minimal 32gb RAM

If workflow "Stopped with error", go to "Reports"	
Check error. If de novo assembly has stopped and "Caused by: Process requirement exceeds available memory" continue with following steps If other error is reported, do not continue with following steps	Personal purport Impact menual purport<

Navigate back to Bacterial Genomes Workflow 3. Click "Options" 4. Click "Open workflow folder"	Image: Control Contente Control Control Control Control Control
Open file "main" in text editor	Image: State of the state
Scroll down to "process deNovo" and change memory "31 GB" to "24 GB" Save file	<pre>> > ></pre>
Open file "nextflow" in text editor Scroll down to awsbatch process and change "memory = 31 G" to "memory = 24 G" Save file	<pre>comes { comes { comes { comes {</pre>
Launch Bacterial Genomes workflow again and check if it runs without errors till "Completed"	Note Note Note Image: Space of Summary Control of Sum