Framework Agreement – NGS Sequencing of Plant Genomes (2024)		
Annex No. 1a – Specifications and conditions of performance		
The subject of perf genomes, consistin pooling and sequer	ormance is the provision of next generation sequencing se g of sample quality control, prepartion of DNA/RNA librar ncing to the required coverage. therity (Client) will order the tune and scope of the conject	ervices (NGS) of plant ies, their subsequent
needs. The performance in consultations in the	ncludes activities and costs related to the provision of the e design of experiments, as well as all related performance	required services, expert
Master Agreement. The subject of the sequencing will be samples in eppendorf microtubes.		
	Type of performance (service)	Period of performance starts from the moment of delivery of materials (samples) for the implementation of the performance to the Provider's premises
Sequencing	Library preparation and genome skimming/re-sequencing (5 Gb/sample) for complex genomes using 10M Illumina PE250 sequencing on Novaseq6000 or comparable sequencing instruments for 1 sample	30 business days
	Library preparation and high-coverage genome sequencing (90 Gb/sample) using 300 M Illumina PE150 sequencing on Novaseq6000 or comparable sequencing instruments for 1 sample	30 business days
	Library preparation and RNA-Seq (15 Gb/sample) after poly-A selection using 50M Illumina PE150 sequencing on Novaseq6000 or comparable sequencing instruments for 1 sample	30 business days
	Library preparation and Oxford Nanopore sequencing (1 flowcell) using PromethION instrument for 1 sample	30 business days
	Library preparation and Oxford Nanopore sequencing (1 flowcell) using PromethION instrument for 2 samples	30 business days
	flowcell) on the PacBio Revio System for 1 sample	30 business days
	flowcell) on the PacBio Revio System for 2 samples	30 business days
General conditions	and requirements	
	a) Plant genomes of 150-3200 Mbp will be sequenced.	
Sequencing	b) The Client requires sample QC and library preparation service.	
	c) The Client requires output data from the sequencing should at least meet the standard declared by the manufacturer for the respective type of sequencing (e.g. for Illumina PE150 sequencing, Q30>=85%; for Illumina PE250 sequencing Q30>=75%).	
	d) The Client requires demultiplexing of individual libraries (if applicable) and quality control (e.g. FastQC/MultiQC) before delivery of the results or sequencing output in *fastq.gz and other formats (e.g. *bam). For Nanopore sequencing, the Client may also require fast5 format data for genome methylation calling.	
	e) The Client requires the sequencing results to be retained by the Provider for a minimum of 12 weeks from the delivery of the results.	
	Client requires the Provider to provide the Client with remote access to its repository or database of results by sending a performance report including a service performance protocol. The Provider may also choose to deliver the data by hard drive the the data by hard drive	
	h) The Client requires the samples (libraries) to be kept with the Provider in such a way as to prevent their degradation (e.g. deep-freezer or dry ice).	
	 i) The Provider is obliged to confirm the order by the second business day to the contact e-mail address of the Client specified in the sub-order. 	
j) The Client requires the Provider to arrange free shipping of samples.		