

National Genomics Infrastructure
 SciLifeLab - Genomics Uppsala
 Inger Jonasson Jan 2017
 Price list Valid as Jan 01 2017

Cost specification Pacific Biosciences RSII

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Appendix 1_MRYberg_5665

Created on:	Apr 24 - 2018
Valid until:	Jun 24 - 2018
Project code:	MRYberg_5665
PI	Martin Ryberg
Affiliation / Invoice address	EBC, UU
Project name:	Africa soil transect sequencing

Two pools of long fungal amplicons; 4 SMRT/sample. Expected size: 1500 - 2000 bp

Reagent Cost PacBio, RSII		Price per kit	Units per kit	Price* /Unit	Units	Cost (EUR)
Sample preparation						
SMRTbell Template Prep Kit 1.0 (500bp-20kb)	Cost per library	695	10	90	2	180,70
QC and Size Selection						
Agilent Bioanalyzer Chip	Cost per library	N/A		38	2	75,40
Pippin Blue Size selection (> 10 kb)	Cost per library	N/A		47	2	93,60
Consumables tubes, tips, Ampure beads	Cost per library	N/A		20	2	39,00
Sequencing Reagents						
SMRT cell RSII	Per SMRT cell	1065	8	173	8	1384,50
DNA/Polymerase Binding Kit P6 V2	Per SMRT cell	503	24	27	8	217,97
MagBead Kit v2	Per SMRT cell	1282	20	83	8	666,64
DNA Sequencing Bundle 4.0 v2 (10 Pack)	Per SMRT cell	4842	80	79	8	629,46
DNA Internal Control Complex (P6)	Per 8 SMRT cells	267	24	14	8	115,70
Sample Plate Septa	Per run	1040	50	27	1	27,04
Sample Plate	Per run	434	50	11	1	11,28
Mixing Plate (160 Pack)	Per run	3116	160	25	1	25,32
Pipet Tips (50 Pack)	Per run	3305	3840	1	1	1,12
Reagent cost in EUR						3467,73
Project design	Per project			56	0	
Work hour cost	Per hour			37	0	
CPU hour cost Data analysis	FALCON assembly + one round Quiver			1500	0	
Instrument related cost	Per SMRT cell			60	0	
University overhead	Per project			24%	0	
TOTAL project cost, EUR						3468

* 30% rerun cost is included