HMW gDNA extraction & Sequencing report
Arabidopsis thaliana

Samples

Young plants of Arabidopsis thaliana, 6 samples:

A1 , A2, A3, A4, A5 & A6: 300 mg N2 grinded and stored at – 80°C

1/ HMW gDNA extraction

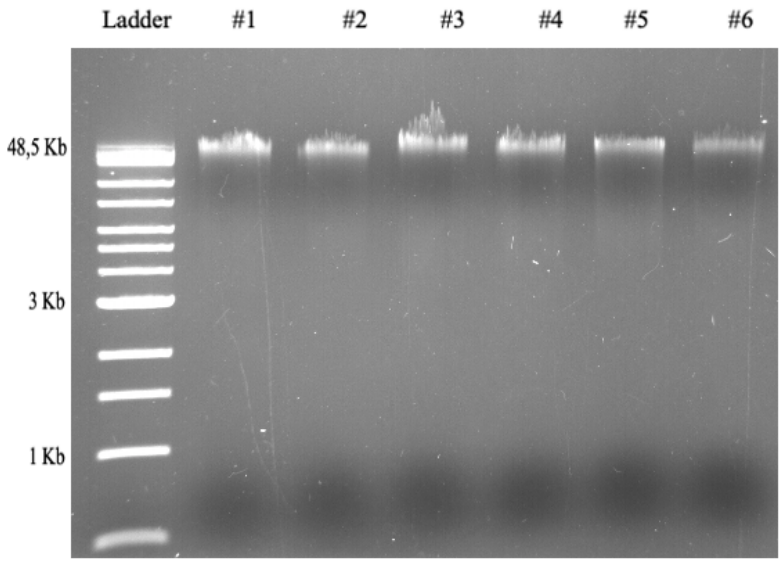
Nanodrop QC:

gDNA	Concentration	Unit	260/280	260/230	Quantity
A1	22,1	ng/µL	1,82	2,21	663
A2	47,4	ng/µL	1,73	2,37	1422
A3	19,3	ng/µL	1,73	2,01	579
A4	20,6	ng/µL	1,74	2,10	618
A5	41,4	ng/µL	1,74	2,09	1242
A6	42,8	ng/µL	1,74	2,09	1284

Qubit DNA-HS QC:

gDNA	Concentration	Unit	Volume	Quantity
A1	24,0	ng/µL	30 µL	720 ng
A2	50,8	ng/µL	30 µL	1524 ng
A3	21,4	ng/µL	30 µL	642 ng
A4	21,4	ng/µL	30 µL	642 ng
A5	44,2	ng/µL	30 µL	1326 ng
A6	47,4	ng/µL	30 µL	1422 ng

Agarose gel 0,8% QC:



2/ Sequencing results

Kit: SQK-NBD114-24

Flowcell ID	PAU87454
Available pores Check	6565
Available pores after loading	6226

Flowcell type	Flowcell ID	Run time	Available pores	Nb reads	Yield	N50
FLO-PRO114M	PAU87454	100 hrs	6226	9,75 M	108,87 Gb	14,15 Kb

gDNA	Barcode	Genome size	Expected coverage
A1	NB14	250 Mb (2n)	72,58 X
A2	NB09	250 Mb (2n)	72,58 X
A3	NB10	250 Mb (2n)	72,58 X
A4	NB13	250 Mb (2n)	72,58 X
A5	NB11	250 Mb (2n)	72,58 X
A6	NB12	250 Mb (2n)	72,58 X