

High Molecular Weight (HMW)

DNA Isolation Services



AC
AMPLICON
— express



HMW DNA PREP EXPERTS

*“Send us your starting tissue,
we provide IRYS optimized HMW DNA”*

Amplicon Express provides the best HMW DNA optimized for IRYS BioNano Genomics Optical Mapping Technology

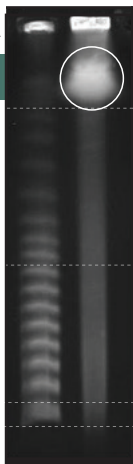
MEGA Base Sized HMW DNA



776.0Kb –

485Kb –

48.5Kb –

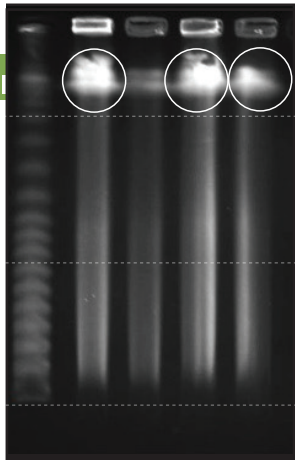


PFGE of HMW DNA
from a marine fish

727.5Kb –

485Kb –

48.5Kb –



PFGE of HMW DNA
from a *Nicotiana attenuata*

Max Planck Institute for Chemical Ecology
Dr. Klaus Gase

Plant Species: *Nicotiana attenuata*

IRYS Labelling enzymes: Nt.BspQI+Nb.BbvCI

Single molecule N50: 110Kb (raw data N50)

Label Density: 12/100Kb (on target)

IRYS Throughput: 2.4 Gb/scan total throughput and
0.66 Gb/scan of usable data (above 150Kb)

AE
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1st BASE
GENOME RESEARCH & SERVICES

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