

Sigbjørn Lien] Atlantic Salmon

Genomes need good linkage MAP

Rainbow Trout Illumina

Phase I

NSD

1.7 Mb

NR Gene

Magic Assemble

2 PE
3 MP

1,600 ReNovoMagic 2.0

Phase II

Linkage

+ Comparative Mapping

+ Detail Genomics

1.95 Gb of Sequence

NCBI - Available Soon

Duplicated Part of Genome

98 co-linear blocks

1.1.1.1

Model for Genome Instability ^{homology}

Expansion of Transposable Elements

28% of Tsp lts duplicated

Rainbow Trout 88 blocks of
homology

Salmon : Simon Fraser Life History 

18 early maturation
Vg113 → one gene