Week 2

Monday, 2 August 2021 23:33

GENOME ASSEMBLY

ISOLATING DNA FROM ORGANISM
SULMINING DNA TO SEQUENCING CENTER
CHROMOSOMED CUITED INTO READS

ASSEMBLY STICHING IFW NEWS TOGETHER IN ONDER

-> PE NOND

- NEFENENCE BASED

PATRIC ONLY OFFERS DE-NOVO
ILLUMNA MOST COMMON SEQUENCERS

HYBRID GENOME ASSEMBLY

USING BOTH SHOTT & LONG NEADS
IF LONGONTAL DEVE TRANSPORT (HET) OR TRANSPOSONS

BUT LONG-MEAN HAVE LESS COVERAGE

(LACON (LONG) : 2 } DEFAULT
PYLON (SHORT) : 2 } DEFAULT

PUBLIC WONKSPACE MODE_PATTING_COUNSE

UPLDADING FILES (WONKSPACE, UPLDAD MONITOR, APP ITSELF)

SUBMITTING NEADS TO ASSEMBLY SERVICE

- SINGLE NEADS - PAIR NEADS

-SESSION & FROM SEQUENCE-READ-ARCHIVE

INTERLEAD — A RL & R2 IN THE SAME FILE

MATE PAINED — > LIB THAT ALLONS YOU TO HAVE PAINS FAIL APAINT
PLATFORM — > ILLUMINA OR IONIONNENT

<u>Pained Libnany</u>

PLATFORM:

NEAD 2:

YOU CAN COMENCE PAINED IT SINCLE NEADS TOOFTHER. NEPERTING SAMPLE IN MUTITUE LANDS PLACKUP IT GREATER COVENAGE

HUMINA (PAINED)

SLA SEQUENCE NEAD ANOHVE
LOADING DATA (NTO ASSEMBLE)

SELECTING ASSEMBLY STRATEGIES (PARAMETERS)

AUTO

UNICYCLER ILLUMINA ONLY, LONG NEAD ONLY SETS, HYDRID ASSEMBLY

SPADES ASSEMBLING SMALL GENOMES (LACTERIAS)

CANU LONG-NEADS-ASSEMBLEIL, NANDPONES, 3ND-4TH

META-SPADES METACENOMIC ASSEMBLY

PLASMID-SPADES ONLY FOR PLASMIDS

MDA SINOLE CELL ISOLATES

IF SECULARIES COULD INCLUDE PLASMING THEN SUBMIT SECULANCE 2 TIMES PINST AS AUTON , SECOND AS A PLASMING AND CONFRONT THEM

Thim heads (TRUM- CALONE FUNCTION)

PLACON & PILON ITEMATIONS

LUNG SHORT
PACHO ILLUMINA
NANDPORE IONTOMENT

CONTENS IT NEADS MAPPED

MIN CONTIC CONSTACE