## BIO120: TRANSMISSION BLAS

EVOLUTION IS ALL ABOUT GENETIC ACCOUNTING

AUTOMATIC SELECTION OF A SELECTION CONSIDER & POPULATION OF OUTBREEDING POPULATION.

ON AVERAGE, ONE SET OF SEDE

WILL 60 THROUGH A MATERNAL

BLUE (SEED) AND ONE SEED:

THROUG A POTTERINAL LINE (POLLEN)

Jeeo	OUTCROSSER	HELFER 2
POLLEN	4	
CENE COPIES	2	3

BELFING FORM MAS. A TRANSMISSION! ADVANTAGE.

THE KROWNENT, MONEYER,
15 ON MOST THE QUALITY,
MOST QUANTITY.

THERE IS ENOUGH MERCEDING DEDRESSION TO LDECREASE THE PITNESS, CAN'DSPAPE AS A FACTOR OF SPECIATION

POLYMORPHSM

GENE FLOW? 16 THE VANCIATION ADADINE

FISHER -WRIGHT PEBATE

POLE FOR POPULATION STEVETURE
AND BENETIC PRIET IN
EUDLUTION

\* FISHER DISABREED AND

AROUED PLAT MOST EVOLUTION

OCLURED IN LARGE

DODULATIONS BY WATURAL SITURON

\* SLOPE'S MAVE DIFFERENT MICROCUMATES

HOW DOES GEDIE - TOWN AFECTS.

PEFINITIONS

POPULATION

A GROUP OF INDIVIDUALS OF A SINGLE EPECIES OCCUPYING A GIVEN ATTER AT THE SAME TIME

MIGRATION

THE MOVEMENT OF INDIVIDUALS FROM ONE DOPVLATION TO ANOTHER

GENE FLOW

THE MOVEMENT OF GENES FROM

NOTE

POPULATIONS OF PLENTS AND AWIMALS

(ee cf: MARK-RUGSPTURE &TUBLES)

HOW TO MEXENTE BENE FLOW?

PROBLEM

PND MEDSURE

- BISTINGUISH POTENTIAL US
- BODULATON
- MARMORS BENEFIC

DSE ELECTROPHORESIS GET TO ESTIMATE THE FREQUENCY OF ELEVENDENCY OF ELEVENDENCY OF SUFTENDENCY OF OUT FLOW

FF FF SS SS

APPLICATION TO GMD

AND NON-BMO GROWS

RECOMBINANT DIVA VECHNOLOGY AS A METRICO OF BENE FLOOR.

SENE FLOW BETWEEN ROP AND WEED UNFLOWERS PRESON X

MARKER X

IN

PROGENTY X

PROGENTY

PISTANCE(m)

GENES MOVE IN DIPLOID OR FLAPLOID POEMS,

Q'S AROUT VARIATION WITH POPULATION VARIATION IS GENETICO

DOES THE VANTAMON CONTRIBUTE
TO FITNESS DEFFERENCES

GEOGRAPHIC

ERAMPLE

FULLY INTERBREEDABLE BETWEEN DIFF, LOC.

EFFECTS OF SELECTION, GENE PLOW & GENETIC DRIFT ON POPULATION E WHAT PROPOSETION OF ALL GENETIC VARIATION IN A SPECIES IS DUE to DIFFERENCES BETWEEN POPULATONS

- NOW IS DIVERSITY

PISTRIBUTED WITHIN US

RETWEED/ PERCHATIONS?

POPULATION A

PODULATION B

RELATIVES BY GENE FLOW

Pusk

ASSESSMENT: O PROXIMITY OF WILD RELATIVES

\* POLLINATON GYSTEM -WIND US ANIMAL

· MATING SYSTEM - STUFER VS. OUTCROFFER

MIGH EISK

MIND POLLINATED OUTCROSTOR WITH

Low Risk t

NEAD BY

GENERAL DRIFT.

NENDOM COMPONERY

· MUTATION · RECOMBINATION · GENE FLOW (DEDENDS ON · GENETIC MEIGH

DETERMENTSTIL PROCESS

P. ALATURAL GELECTIO

LOUS OF BIVEDLITY DUE TO SEDULATIC PROLOTECT:

- DENETIC DRIET

- FOUNDER EVENTS: LOLONIZATION BY 2

FEN INDIVIDUALS THAT

STATET A NEW DODULATION

WITH ONLY LIMITED

MVERSTY COMPANDO WITH

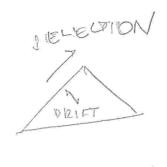
YULL SOURCE DODULATION

trysoyly - A PLANT SERVER CAN GENETIC ARIET · POLYMOROIGM MAE IMBOISIANA FOR HOA-POR LONG MID Sour 10 UEVILY OF RESEATER GIMM & YMI Ssnow Ss Mm. -> POWAN PLUSAND Ss MM - MARTIN MORGAN TWO DIALLEUC LOCK WITH EDISTASIS RETWEEN SAND M. INTERACTION BETWEEN ALLELES · PEFINATION AT BUSEERENT LOCK HERCETC Parenterry > prymons HISM BETWEEN ALLEGES AT. DIFFERENT LOU AFFECTIVE WHENOTHED 1: 9: 1 momps FREQUENCIES AT BQVILINAUM. Millian .... the GENERAL PRINT INDING & G.

ASSYMETER MORPS. ?

aligina ya yak

SMA



POLLINATONS, SELFING IS BENFFICIAL FO

CENETIC DRIFT AND NATURAL SELECTION MULTINES IN THE EVELVES ON SELECTION OF BREEDING.