Pam Licola

## BLURB - CE HIV (DIAGNOSTICS LUSE OF PCR

METRUCTIONS

- · OPEN NCBI
- " TYPE ACC # INTO SEARCH
- FULL OUT SECTION OF SEQUENCE WHICH CONTAINS RELEVANT BIT FOR PCR (~500 bases?)

NOW YOU HAVE TO DESIGN PRIMERS FOR THE PCR REACTON TO WORK SUCCESSFULLY.

Sequence

NOTE: NO NUMBERS JUST A STRING OF LETTERS.

OF COURSE DNA 15 DOUBLE-STRANDED.

double-strended Sequence

ONCE THIS IS DONE SOMEHOW
HIGHLIGHT AREA THAT MUST
BE CONTAINED IN THE PCR PRODUCT

· CHOOSE LEFT PRIMER (- MATCH BY CLICK AND DRAG?)

LIST OF 6 ? A - B - C -

Decide WHICH IS BEST.

( see basic rules of primer design)

YOUR LEFT PRIMER IS INCORRECT! CLUE .....

· CHOOSE RIGHT PRIMER

PRIMERS ARE CHOSEN BUT ARE THEY UNIQUE

- · OPEN NCBI
- . SEARCH FOR PRIMER SEQUENCE
- , HOPEFULLY UNTQUE TO HIV.

END RESULT OF THIS BIT

ds DNA - strands separate primers and and ind new strands created

	en produktion de des sections in section and energy for the design and	: 
Basic rules of primer design:	686	
- length - 20-30 lases long Sequence - avoid long runs of a single letter		
eg Actgggggg cggg ca		÷(
- have corg at last letter		
- avoid self annealing		
"> - must be unique to DNA sequence		
GC Content - 40-60%		
Tm - between 50 and 65°c	obide mil s e m m m m n. b. b.b. mink marganismanska prima n. b. b.b. mink m m m m m m m m m m m m m m m m m m I n m m m m m m m m m m m m m m m m m m	The state of the s
- Tm = 2(A+T) + 4(C+G)	and the second second positive of the second	
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