

# JAK CHRÁNIT DNA PŘED ZÁŘENÍM



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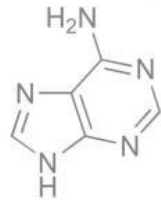
Lukáš Melcher

# STRUKTURA DNA

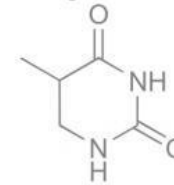
## DNA



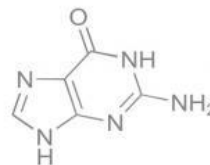
Adenine



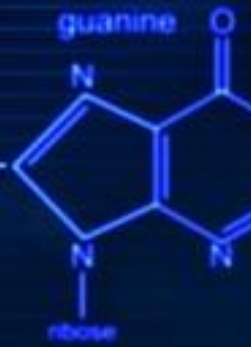
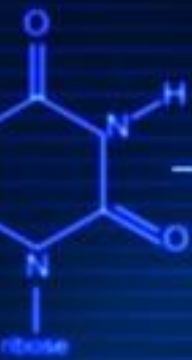
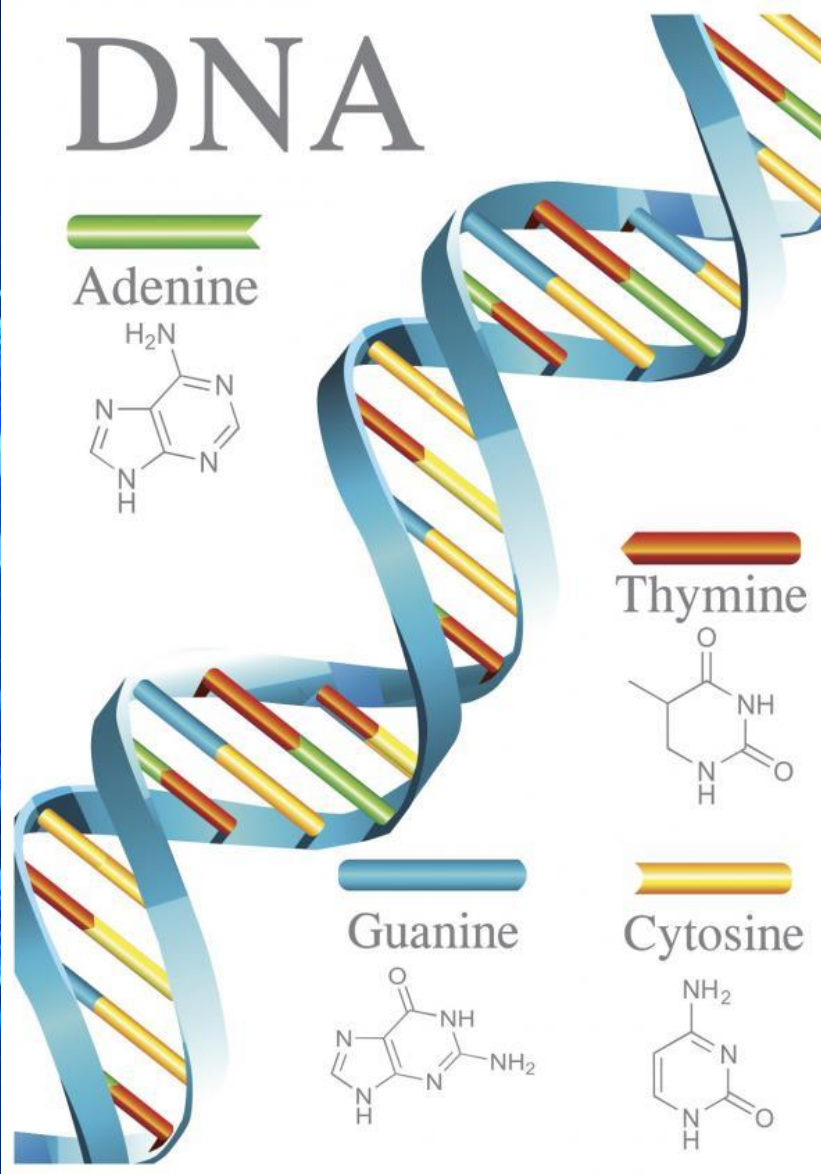
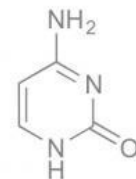
Thymine



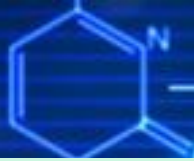
Guanine



Cytosine

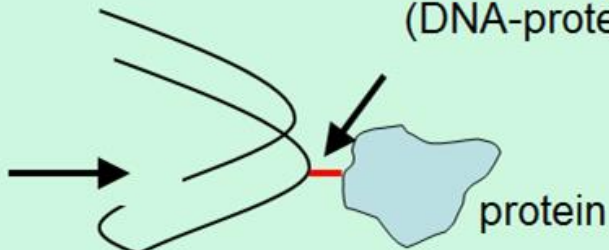






**Křížové spojení mezi DNA a proteinem**  
(DNA-protein crosslink)

**Jednoduchý zlom DNA**  
(single-strand break, SSB)



**Poškození cukru, báze, abasické místo**  
(DNA sugar or base damage, abasic site)

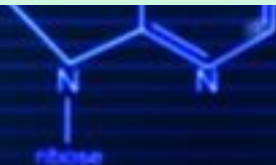
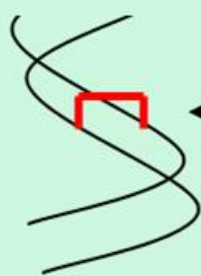


**Křížové spojení na jednom řetězci DNA**  
(DNA-DNA intrastrand crosslink)

**Dvojný zlom DNA**  
(double-strand break, DSB)



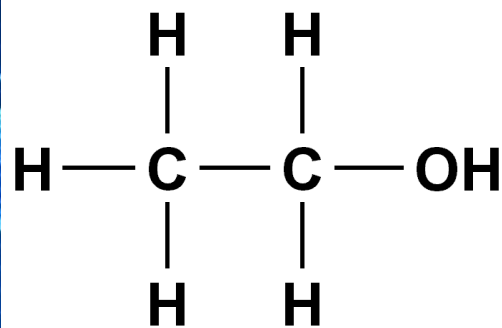
**Křížové spojení mezi řetězci DNA**  
(DNA-DNA interstrand crosslink)



# VYCHYTÁVAČE

- Chemikálie reagující s volnými radikály

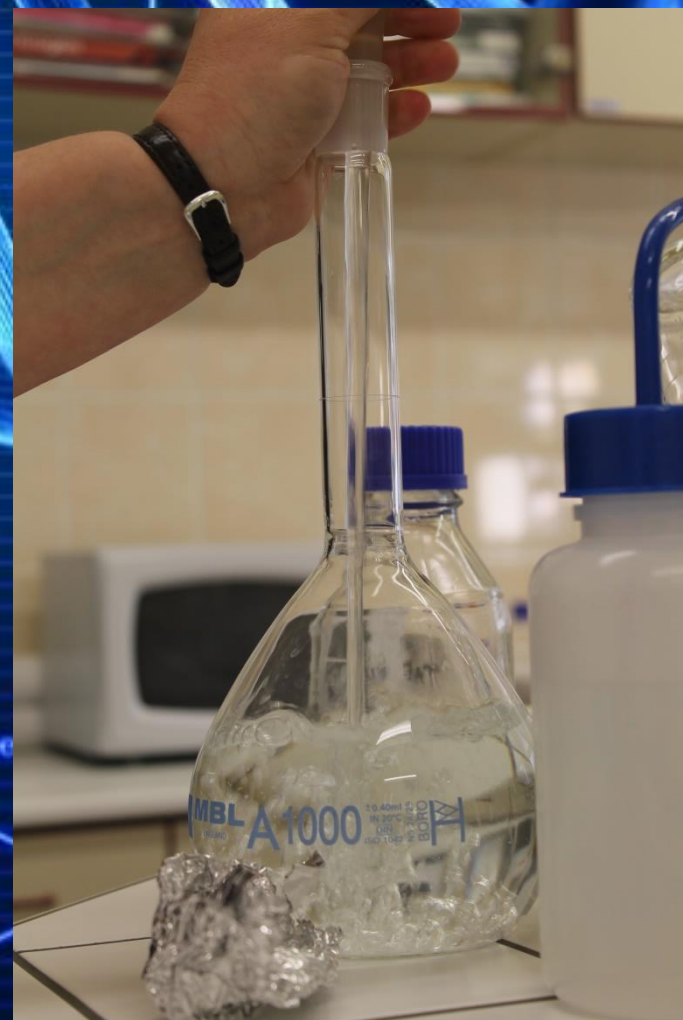
- Ethanol



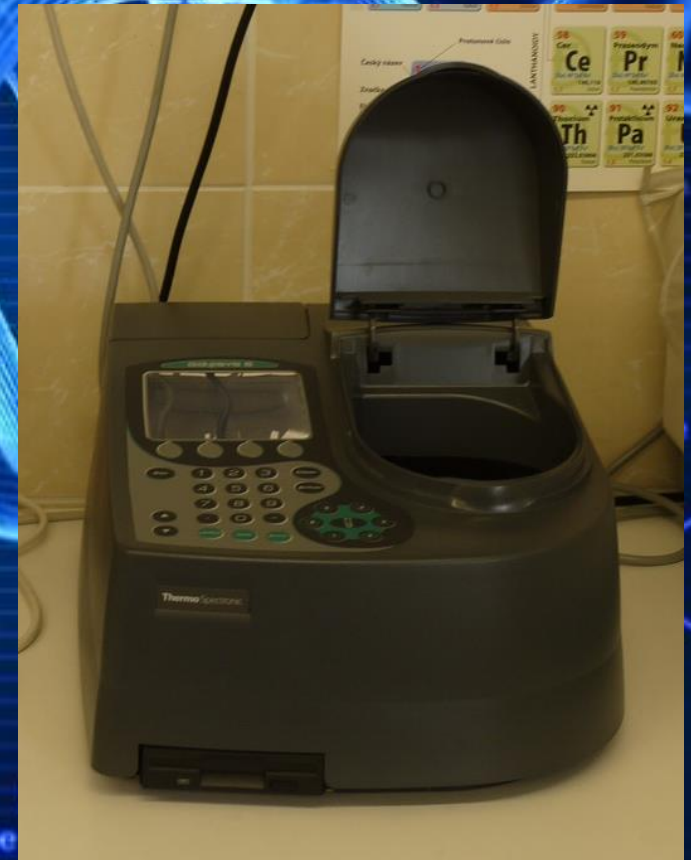
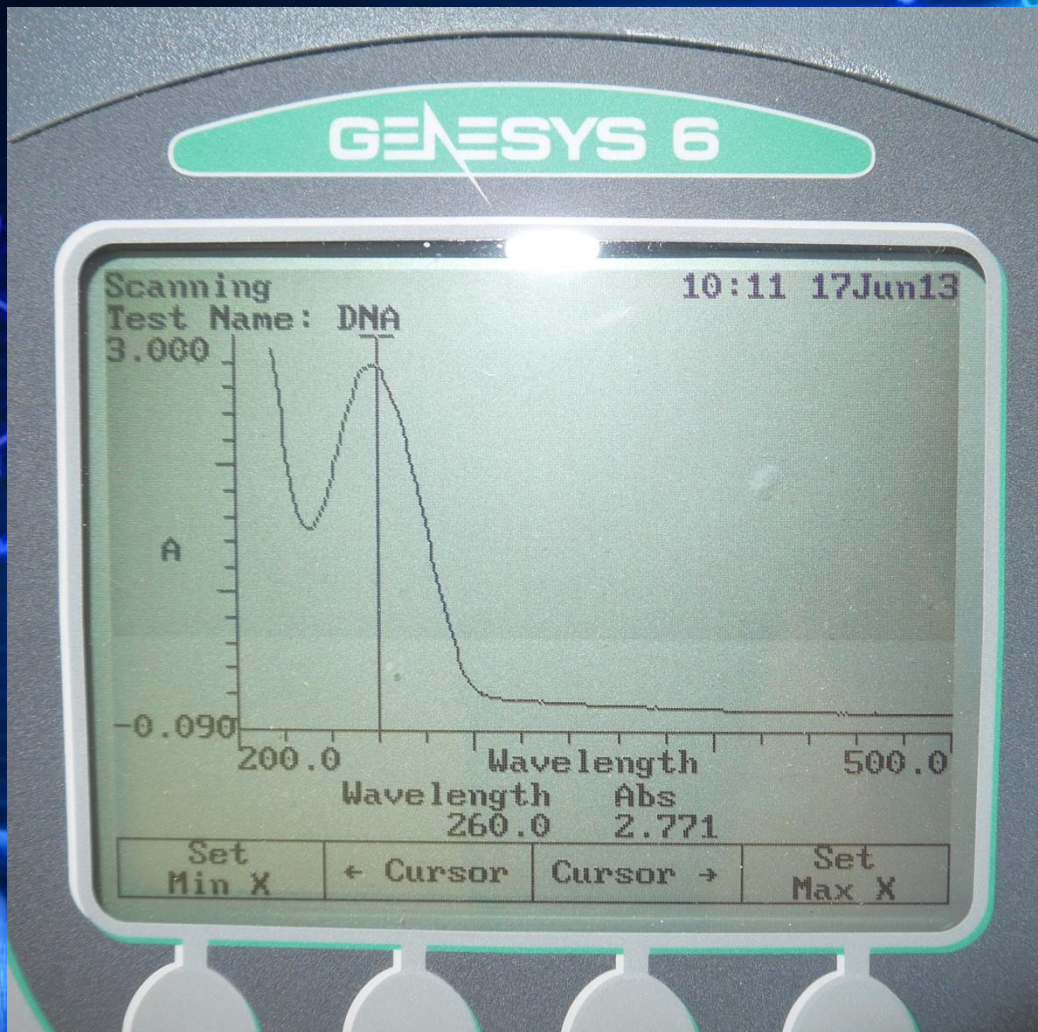
- 50% brněnská slivovice



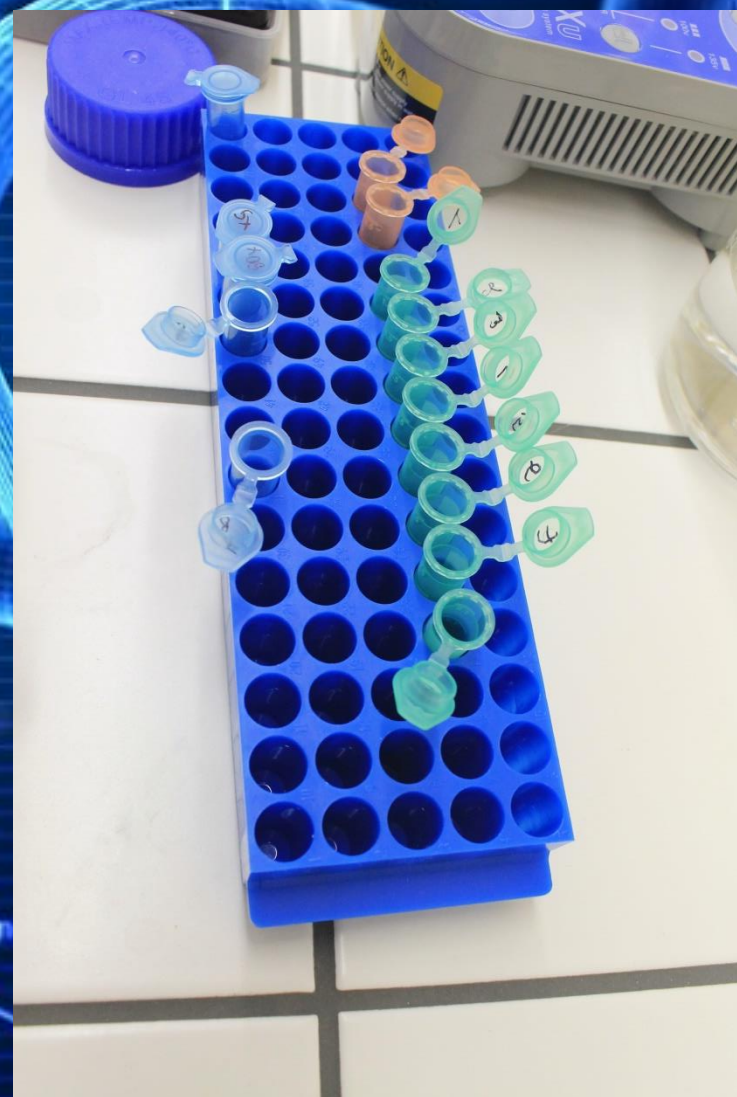
# POSTUP PRÁCE:



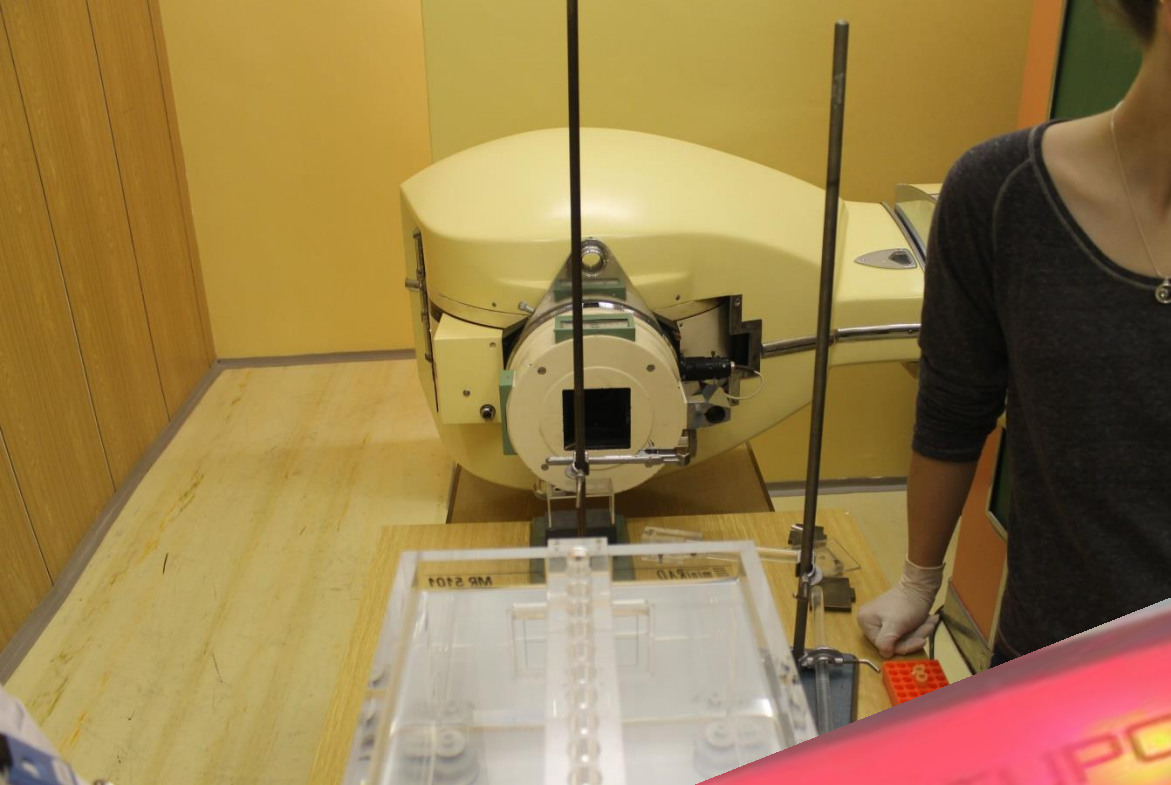




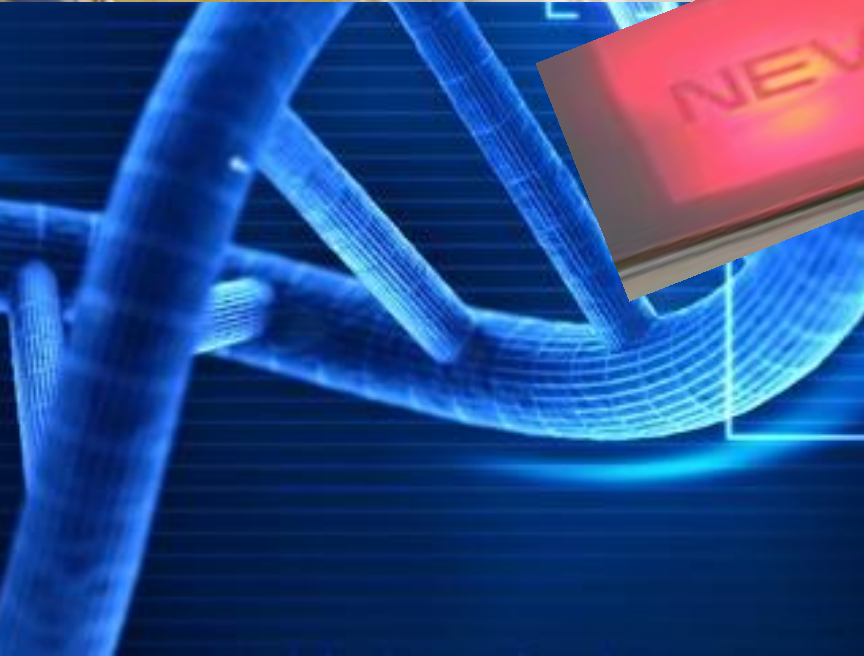








NEVSTUPOVAT







TIME 0-99 min  
C - continuous run

DOWN UP

Additional

25v

50v

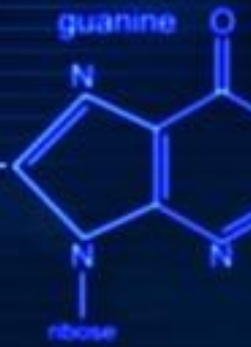
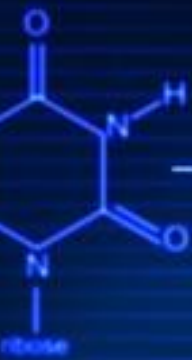
100v

135v

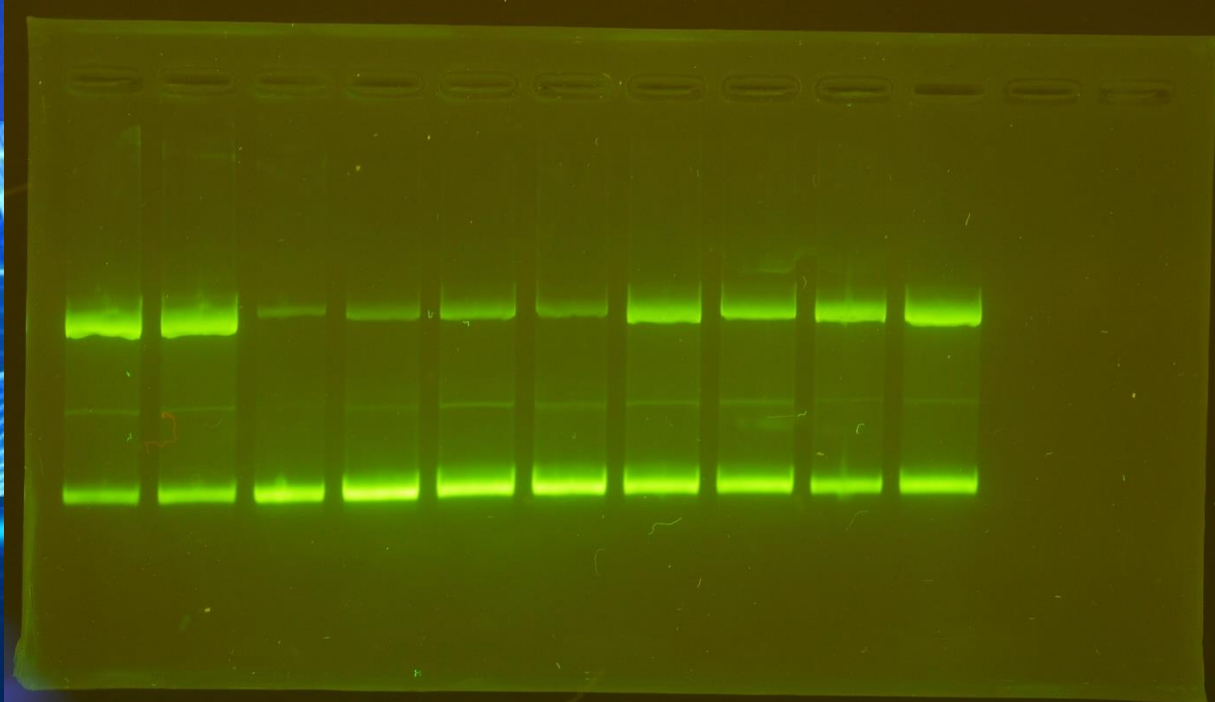
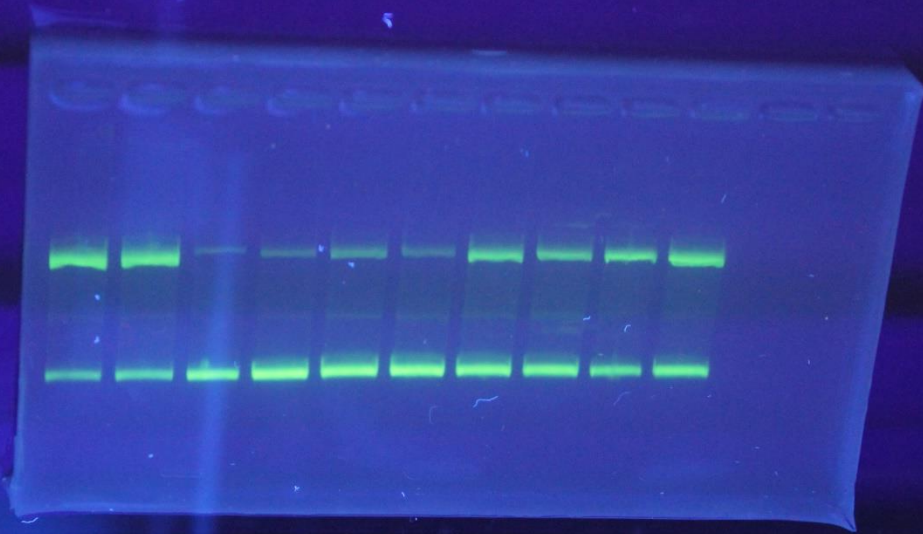
VOLTAGE SELECTOR

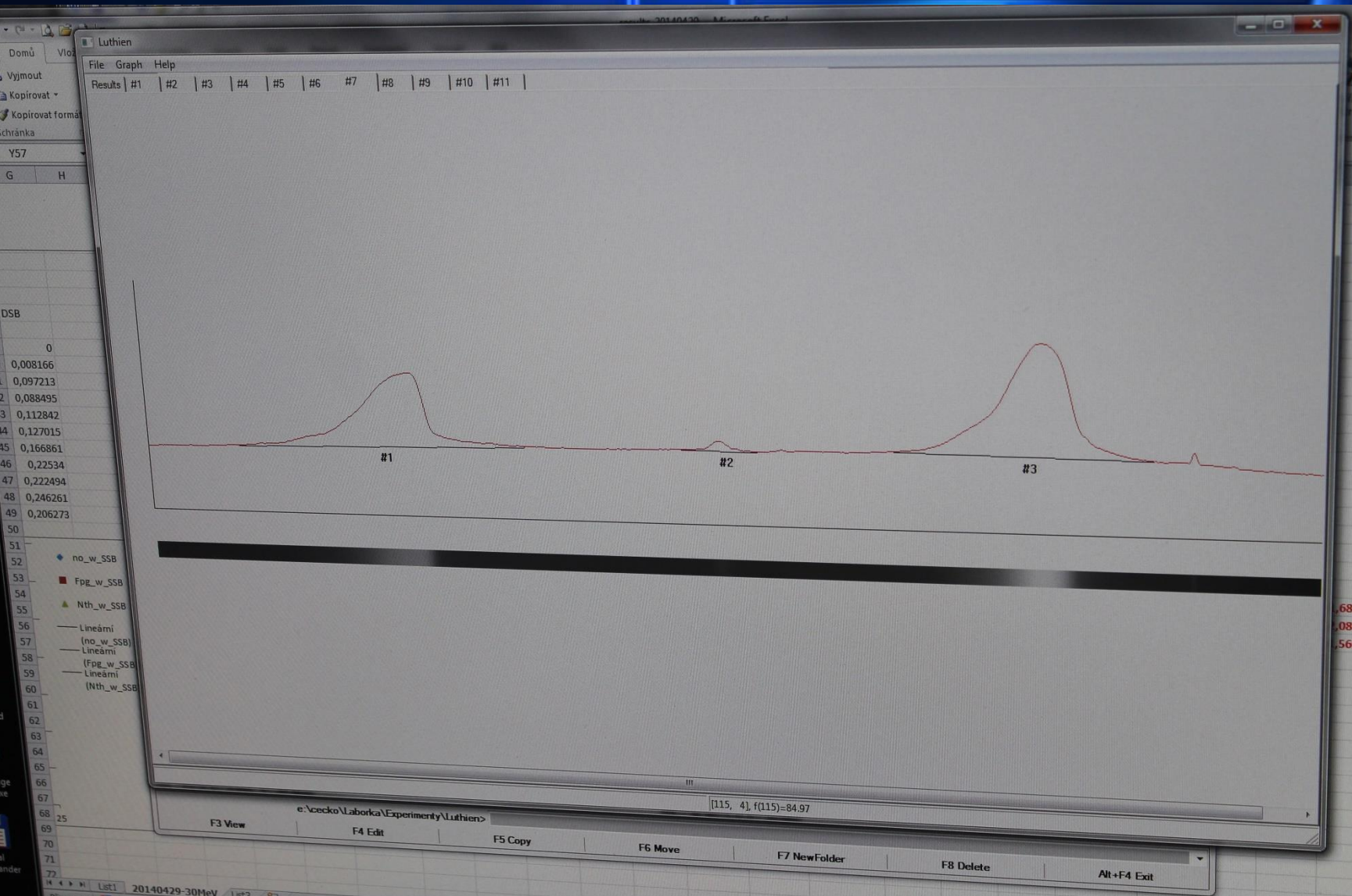
Mupid-exU  
Submarine electrophoresis system

RUN / PAUSE / STOP  
INTELLIGENT POWER SUPPLY









Domů Vlo

Vyjmut

Kopírovat

Kopírovat form

Schránka

Y57

G H

DSB

0	0,008166
1	0,097213
2	0,088495
3	0,112842
4	0,127015
45	0,166861
46	0,22534
47	0,222494
48	0,246261
49	0,206273
50	
51	
52	◆ no_w_SSB
53	■ Fpg_w_SSB
54	
55	▲ Nth_w_SSB
56	— Lineární
57	(no_w_SSB)
58	— Lineární
59	(Fpg_w_SSB)
60	— Lineární
61	(Nth_w_SSB)
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	

6871E+04  
.0866E+04  
5605E+04



Luthien

File Graph Help

Results #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11

#1

No.	Position	Value	%
1	179	5974.68	70.24
2	364	108.46	1.27
3	537	2423.48	28.49

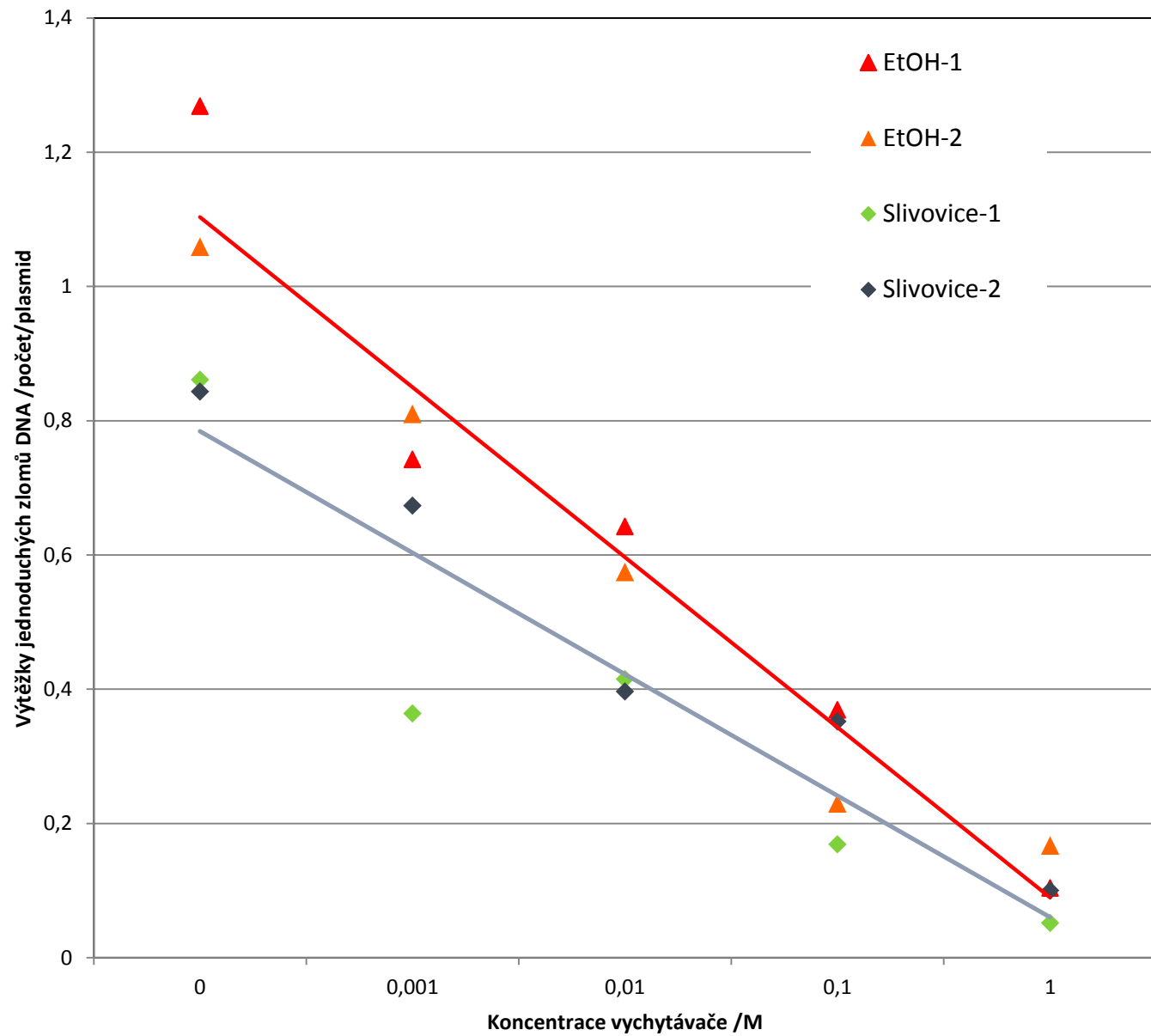
#2

No.	Position	Value	%
1	186	5762.78	64.55
2	365	50.78	0.57
3	538	3113.96	34.88

#3

No.	Position	Value	%
1	145	568.02	9.84
2	523	5205.42	90.16

#4





# DĚKUJEME ZA POZORNOST

