

Průběh obhajoby diplomové práce:

Prof. W. Buchberger opened the diploma, introduced members of the committee

Be. Adriana Walnerová:

single & double labels

PSBP / PS $\bar{u}$

Questions:  
NM: Cell-free expression  
lep. - penicillin  
RE: linkers

1/ Overview / summary - PS reaction introductory to the subject; objectives / pitfalls generally  $\rightarrow$  stability of protein

2/ NMR instrumentation / Experimental part

a/ over-expression of PSBP in E. coli

2/ WB- NINTA column? b/ Cell-free expression of His-PSBP

superoxide  $\rightarrow$  advantage of?  $\rightarrow$  successfully done

aprotic of imidazole? c/ Purification procedure - efficiency d, low-exchange

e/ Sequential resonance assignments d/ Structural analysis by NMR,  $^1H$   $^{15}N$   $^{13}C$  3D spectra

f) Summary / conclusion: Excellent piece of work, excellent presentation!

@ Discussion - a meaning of "STABILITY" discussed with regards to NMR and biochemistry

Body:

Klasifikace: ..... 1

Celková klasifikace: 1

Datum obhajoby: ... Jan 31, 2013

N. Buchberger

podpis předsedy

Hodnocení ústních zkoušek: