

Posudek na bakalářskou práci	
<input checked="" type="checkbox"/> školitelský posudek <input type="checkbox"/> oponentský posudek	Jméno posuzovatele: Klára Hloučková Datum: 22.5.2022
Autor: Aleksandr Melikov	
Název práce: Functional screening of <i>de novo</i> proteins	
<input checked="" type="checkbox"/> Práce je literární rešerší ve smyslu zveřejněných požadavků (pravidel). <input type="checkbox"/> Práce obsahuje navíc i vlastní výsledky.	
Cíle práce (předmět rešerše, pracovní hypotéza...) The aim of this thesis was to review the literature in the arising field of <i>de novo</i> protein characterization. In this thesis, <i>de novo</i> proteins include both proteins that arise from previously non-coding genome as well as those designed or selected artificially. The main focus has been dedicated to searching or selecting for function of such proteins as the methodology overlaps significantly in these two cases and has been evolved very recently.	
Struktura (členění) práce: Different sources of <i>de novo</i> proteins are first described in the thesis (chapter 1), along with studies that have been devoted to their characterizaion (chapter 2). The following chapters (3&4) are then focused on the function screening methodologies.	
Jsou použité literární zdroje dostatečné a jsou v práci správně citovány? Použil(a) autor(ka) v rešerši relevantní údaje z literárních zdrojů? Yes	
Pokud práce obsahuje (nadstandardně) i vlastní výsledky, jsou tyto výsledky adekvátním způsobem získány, zhodnoceny a diskutovány? N/A	
Splnění cílů práce a celkové hodnocení: Aleksandr Melikov devoted a lot of energy into his bachelor thesis research. Despite the still growing number of papers in the field, he has succeeded reviewing the most relevant papers and oriented himself quickly in the problem. He performed all this with great enthusiasm and motivation. I also want to point out that Alex spent long periods of time in our lab, working on a related experimental project focusing on function rescue selections from random sequence libraries. This was not included in the thesis simply because the supervisor did not know that that was an option (until reading the template of the thesis evaluation). I am sure that Alex would also do great if he were to include the experimental part in his thesis. Perhaps my only criticism (or more precisely recommendation) is that Alex should spend more time thinking about the structure of what he is going to write before his next thesis (which I am sure is going to come) and then also stick to it.	
Otázky a připomínky oponenta: N/A	
Návrh hodnocení školitele nebo oponenta (bude zveřejněn) <input checked="" type="checkbox"/> výborně <input type="checkbox"/> velmi dobře <input type="checkbox"/> dobře <input type="checkbox"/> nevyhověl(a)	
Podpis školitele/opponenta: 	