

Optimization of L-asparaginase type II produced by *Bacillus velezensis* SE114

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Appendix A. Supplementary data file

Table 3: L-ASNase Protein Sequence of *B. velezensis* was submitted in Genbank (Accession number: OP912973)

| Bacteria | Protein sequence of L-ASNase |
|---------------------------------|--|
| <i>B. velezensis</i> (SE114) | MKKQFMPFITFITALLFIAAGCSQSPQAKETPPGMPAAAPAKKDGLPNIKILAAGGTIAGA AP SKTSATEYTAGAIGVDALIQAVPEIKEVAHVSQEQQVNIGSQNMNNETLLKLA K SDDTDGIVITHGTDLEETAYFLNLTVKSDKP VVAGSMRPSTALGADGPSNLYNAVKT AA APDAKGKGT LVVLNDRIASARYVT KTNTTAADTFKSEEMGYIGTIADAVYFNNIMTRKH TK DTDFKIDKLDKLPQV DIYGYQNDGSYLFEAAV KSGAQGIIFAGPGNGSMSDEAQKGAVK SV KSGLAVRSTRTGNGTV TPNREYEKDHLTASNSLNP QKARILLMLALT KTHDPKRIQTYF NEY |

Figure 6: Multiple Alignments of 11 L-ASNase Sequences of *B. velezensis* by the Clustal Omega Program shows all the predicted residues by the Prankweb server is conserved by the Prankweb server is conserved