

# Skriptum zur Vorlesung Algorithmen auf Sequenzen

*gehalten im Wintersemester 2026/27*

*am Lehrstuhl für Bioinformatik*

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# Vorwort

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Dieses Skript entstand parallel zur Vorlesung *Algorithmen auf Sequenzen* im Wintersemester 24/25 und baut auf dem vorherigen Skripten der Vorlesungen des Wintersemesters 03/04, des Wintersemesters 04/05, des Wintersemesters 06/07, des Wintersemesters 07/08, des Wintersemesters 09/10, des Sommersemesters 13, des Wintersemesters 15/16, des Wintersemesters 17/18, des Wintersemesters 18/19, des Wintersemesters 20/21 des Wintersemesters 23/24 und des Wintersemesters 24/25 auf. Diese Vorlesung wurde an der Ludwig-Maximilians-Universität speziell für Studierende der Bioinformatik, aber auch für Studierende der Informatik, im Rahmen des gemeinsam von der Ludwig-Maximilians-Universität München und der Technischen Universität München veranstalteten Studiengangs Bioinformatik gehalten.

Das vorliegende Skript gibt den Inhalt aller Vorlesungen wieder, die sich jedoch inhaltlich ein wenig unterscheiden. Die Teile, die im Wintersemester 2026/27 nur teilweise behandelt wurden, sind mit einem + markiert und die Teile, die nicht Teil der Vorlesung waren, sind mit einem \* markiert.

Diese Fassung ist weitestgehend überarbeitet worden, allerdings kann das Skript immer noch einige (Tipp)Fehler enthalten. Daher bin ich für jeden Hinweis darauf (an [Volker.Heun@bio.ifi.lmu.de](mailto:Volker.Heun@bio.ifi.lmu.de)) dankbar.

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München, im Wintersemester 2026/27

Volker Heun



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