übung 4

Seq 1: AATCG Seq 2: AACG Seq 3: CG Seq 4: AA blath: +1 4.1.1) 1 - : Asboncill eoob: - 5

Progressives Alignment

1. poorseises Alignment

Segl: AATCG Segl: AA-CG Seg 1: AATCG Seg 3: ---CG Seq 1: AATCG Seq 4: AA---

54 X 1 055 0 055

P= 1/5=0,2 p=3/5=0,6 P=3/5=0,6

Seq 2: AACG Seq 3: -- CG Seq 2: AACG Seq 4: AA--Seq 3: CG Seq 4: AA

p= 2/4=0,5 p=2/2=1 p=2/4=0,5

d. Distanzmatrix

3. Guide Tree mid UPGMA

51 52 Seq 1 Seq 3 Seq 4 AATCG 1A A - CG --- CG

| Malch + 1 | Mismalch - 1 | Signalch - 1 | Signalc

4.1.2) Konsens Alignment