

**Computation of alignment scores:**

Compute alignment scores for alignment 1 and 2 using both substitution matrices BLOSUM-50 and BLOSUM-Trp (next page). In both cases gaps are penalized using the affine gap penalties indicated at the bottom of this page.

**Alignment 1:**

AAWGKVGWHAGGYV  
: : : : : : : : : :  
ALWGKVHWGEY--V

**Alignment 2:**

AAWGKVGWHAGGYV  
: : : : : : : : : :  
ALWGKV--HWGEYV

Score,  
BLOSUM-50

Score,  
BLOSUM-Trp

**Affine gap penalties:**

Gap opening: -10  
Gap elongation: -1

