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Sequence vs. Profile HMM database
pHMM database

ProfileHMM1

ProfileHMM2

ProfileHMM3

Search result

Find functional

sequence.

Identify its

domains from a

functions or protein family membership.

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nain A ---- Domain B

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Query sequence

MVLSPA..

Pairwise alignment

Profile HMM database:

pHMMs are built from

protein families or functional domains

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