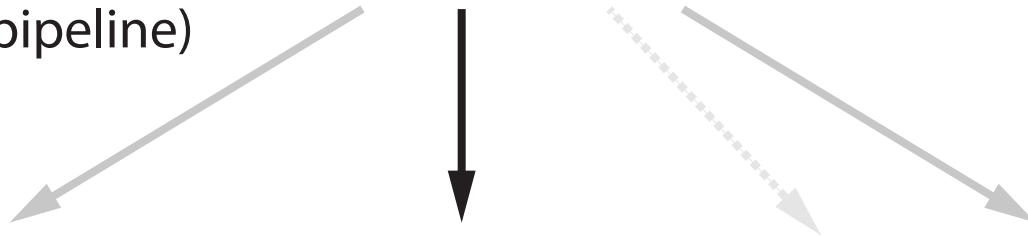


Stage 1: Classification

Score each sequence
with all models
(HMMER3 shortened pipeline)

input sequences:



Model 1 (HMM)

RefSeq sequence and features Group: Norovirus
Subgroup: IV



low HMM score

Model 2 (HMM)

RefSeq sequence and features Group: Dengue
Subgroup: 1



highest HMM score

***best-matching model
used in remaining stages***

Model N (HMM)

RefSeq sequence and features Group: NONE
Subgroup: NONE



low HMM score