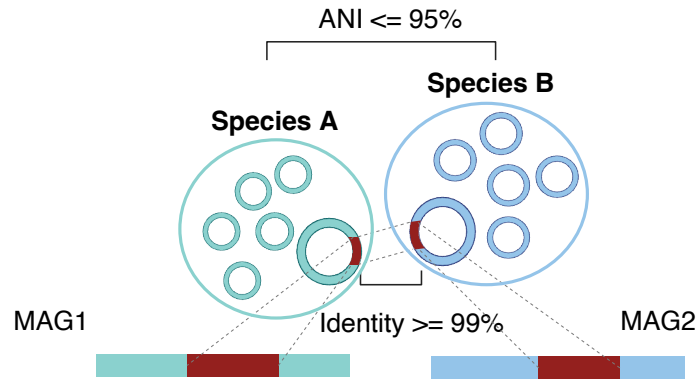


HDMI workflow

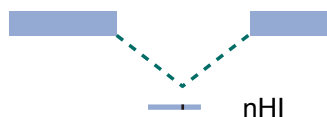
1. HGT events candidate detection



2.4. Cohort-based Validation



3. HGTs Profiling

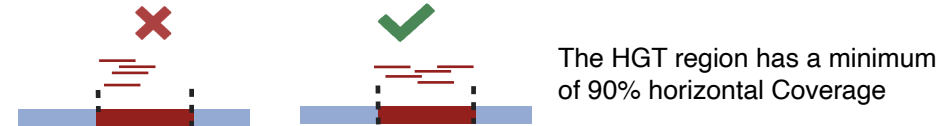


2. HGT events quality check

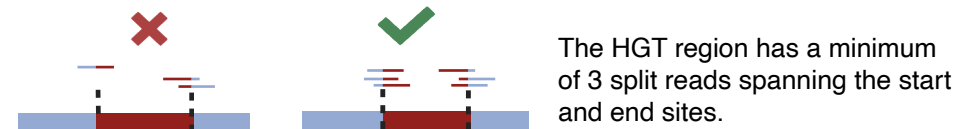
2.1 Species presence/ absence



2.2 HGT region coverage



2.3 Split reads support:



HI₁: reads spanning the start of the split site with HGT Insertion

HI₂: reads spanning the end of the split site with HGT Insertion

nHI: reads spanning the site with no HGT Insertion

HI = min(HI₁, HI₂) if min(HI₁, HI₂) ≥ 3 else 0

nHI = nHI if nHI ≥ 3 else 0

HGT presence = HI/(HI + nHI) > 0

HGT absence = HI/(HI + nHI) = 0