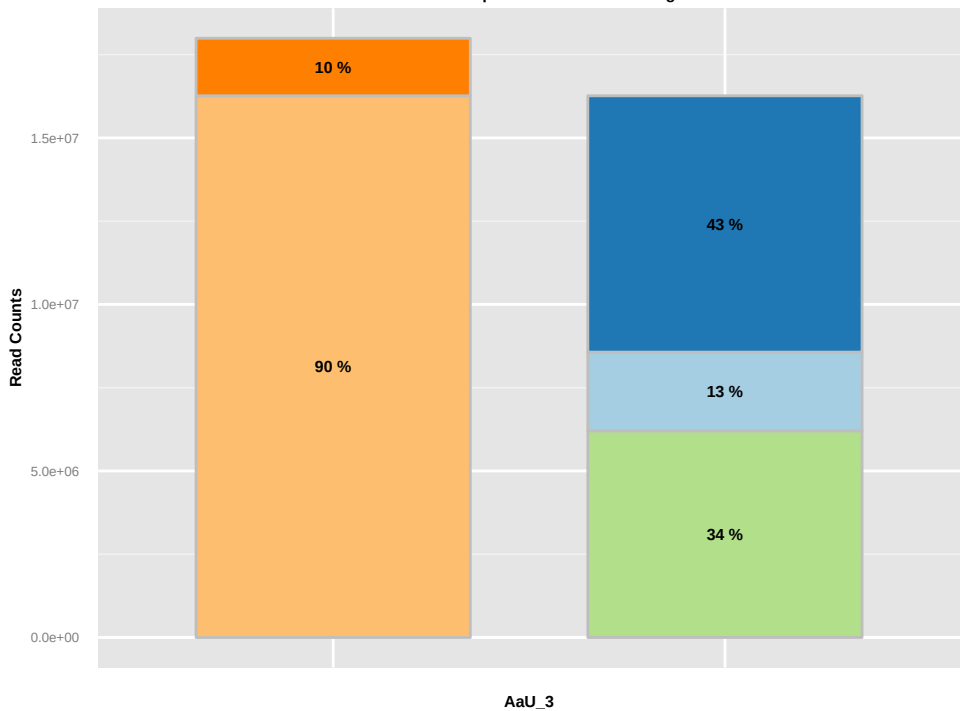


### Valid Pairs – duplicates and contact ranges



Valid Interactions (%)



Duplicates (%)



Trans Contacts (%)



Cis short-range (<20kb) (%)



Cis long-range contacts (>20kb) (%)