Kruskal-Wallis p=0.023 Stage M.W.W. p = 0.22Normal CIS+AIS cell CD4+ memory activated from CIBERSORT-ABS M.W.W. p = 0.66**Primary** M.W. p  $\leq 0.01$ M.W.W. p = 0.84M.W.W. p = 0.56M.W.W. p = 0.26M.W.W. p = 0.14M.W.W. p = 0.78M.W.W.p =0 Higher Lower Mutation Shared Count (SYN) per TMB