COL1A1: Kruskal-Wallis p=0.004 Stage M.W.W. p = 0.94Normal CIS+AIS Primary 150 M.W.W. p = 0.75M.W.W. p = 0.58125 M.W.W.  $p \le 0.001$ expression 20 25 M.W.W. p = 0.24M.W.W.p =M.W.W. p  $\leq 0.05$ 50 25 -25Higher Lower Mutation Shared Count (SYN)