COL1A1: K.W. p=0.002 Stage M.W.W. p  $\leq 0.05$ Normal 25 CIS+AIS Primary M.W.W.  $p \le 0$ . 20 COL1A1 expression 5 5 5 M.W.W. p  $\leq 0.01$ M.W.W. p ≤ Higher Lower Mutation Shared Proportion (Union)