PDE4DIP: Kruskal-Wallis p=0.001 Stage M.W.W. p = 0.07Normal CIS+AIS M.W. p = 0.80Primary M.W.W. p = 0.07M.W.W. p = 0.50M.W. p = 0.30M.W.W. p  $\leq 0.01$ M.W.W. p = 0.62

60

50

IP expression 80

10

Lower
Mutation Shared Proportion (Union & SYN)