PDE4DIP: Kruskal-Wallis p=0.000 Stage M.W.W. p = 0.19Normal CIS+AIS M.W.W. p = 0.43**Primary** M.W. p  $\leq 0.01$ M.W. p = 0.88M.W.W. p  $\leq 0.05$ M.W.W.  $p \le 0.05$ M.W. p = 0.25

70

60

expression 5

PDE4D 30

20

10

Lower
Mutation Shared Proportion (Union & SYN)