



**Supplementary Figure 2. Correlations between length of hospitalization and diagnostic testing ordered, stratified by clinical diagnosis.**

Box plots show median length of stay (LOS; horizontal line) and whiskers indicate 1st and 3rd quartile. Dots indicate a LOS greater than 1.5\*Interquartile range. There were no significant differences in LOS between clinical diagnosis groups (A). Scatter plot showing the number of CSF tests versus LOS (B) and number of PCR tests versus LOS (C). Colors indicate clinical diagnosis category. Not surprisingly, LOS moderately correlated with the number of total ID tests ordered (Spearman's  $\rho = 0.65$ ,  $p < 0.01$ ; Figure 2B), with number of tests ordered from CSF only (Spearman's  $\rho = 0.46$ ,  $p < 0.01$ ; Supplementary Figure 2B)