Uncorrelated Data & Correlated Data Sampled by Group (Fraction = 1) 5% samples Ct>LoD 10% samples Ct>LoD 15% samples Ct>LoD 0.95 Proportion of 0.85 -Expected positive percent agreement tests positive 0.001 0.75 0.01 0.03 0.65 0.05 20% samples Ct>LoD 25% samples Ct>LoD 30% samples Ct>LoD 0.1 0.15 0.95 **Correlation Structure** 0.85 Correlated Uncorrelated 0.75 0.65 -10 12 14 16 18 20 10 12 14 16 18 20 10 12 14 16 18 20 Pool size