**Chi Test** H0 rejected (freq) on each edge mean p value of each pair 1 S8 S8 1 S7 **-**1 H0 S6-**S**6 O retain 1 X reject H0 rejected (freq) 1 **S**5 sedneuce p-value 0.75 0.50 0.75 S4 0.25 0.50 0.00 1 0.25 S3 -0.00 1 **S**3 1 S2 -[1] S2 [1] S1 **-**1 ·S1 distribution of test statistics (S1; S2) (S1; S3) (S1; S4) (S1; S5) (S1; S6) (S1; S7) (S1; S8) (S2; S3) (S2; S4) (S2; S5) 2e-04 **-**1e-04 **-**0e+00 **-**(S2; S6) (S2; S7) (S2; S8) (S3; S4) (S3; S5) (S3; S6) (S3; S7) (S3; S8) (S4; S5) (S4; S6) 2e-04 density 0e+00 -1400600802000220040250000600802000220020000 (S4; S7) (S4; S8) (S5; S6) (S5; S7) (S5; S8) (S6; S7) (S6; S8) (S7; S8) 2e-04 -1e-04 -14016dD8WDWRW4W6D9016dD8WDWRW4W6D9016dD8WDWRWAW6D9016dD8WDWRWAW6D9016dBWDWRWAW6A9016dBWDWRWAW6A9016dBWDWAW6A9016dBWDWRWAW6A9016dBWDWAW6A9016dBWDWRWAW6A9016dBWDWRWAW6A9016dBWDWAW6A90 Chi\_test