MTB > chis C11, C12

Expected counts are printed below observed counts

mrat frat Total

1 62 31 93

58.11 34.89

2 35 33 68

42.49 25.51

3 40 20 60

37.49 22.51

4 10 2 12

7.50 4.50

5 6 4 10

6.25 3.75

6 39 14 53

33.12 19.88

7 44 12 56

34.99 21.01

8 12 3 15

9.37 5.63

9 20 8 28

17.50 10.50

10 50 47 97

60.61 36.39

11 34 18 52

32.49 19.51

12 37 36 73

45.61 27.39

13 25 17 42

26.24 15.76

14 7 4 11

6.87 4.13

15 7 3 10

6.25 3.75

16 9 3 12

7.50 4.50

17 9 4 13

8.12 4.88

18 4 2 6

3.75 2.25

19 17 6 23

14.37 8.63

20 61 50 111

69.36 41.64

Total 528 317 845

ChiSq = 0.260 + 0.433 +

1.320 + 2.199 +

0.168 + 0.280 +

0.835 + 1.390 +

0.010 + 0.016 +

1.045 + 1.741 +

2.319 + 3.863 +

0.736 + 1.227 +

0.358 + 0.597 +

1.858 + 3.094 +

0.070 + 0.117 +

1.627 + 2.710 +

0.059 + 0.098 +

0.002 + 0.004 +

0.090 + 0.151 +

0.301 + 0.501 +

0.095 + 0.158 +

0.017 + 0.028 +

0.481 + 0.801 +

1.007 + 1.678 = 33.742

df = 19

8 cells with expected counts less than 5.0