Notice the number of observations, rank sum and expected are incorrect for X below. Also, it would be nice if the program used labels “seropos” and “seroneg” instead of X and Y.

seropos = c(2.9,12.1,2.6,2.5,2.8,15.8,3.2,1.8,7.8,2.9,3.2,8.0,1.5,6.3,1.2,3.5)

seroneg = c(4.5,1.3,1.0,1.0,1.3,1.9,1.3,2.1,2.1,1.0)

wilcoxon(seropos,seroneg)

 Wilcoxon rank sum test

 obs rank sum expected

Y 16 273 175.5

X 16 273 175.5

combined 32 546 351.0

unadjusted variance 360.0000000

adjustment for ties 0.1015385

adjusted variance 359.8984615

 H0 Ha

Hypothesized Median 0 two.sided

 Test Statistic p-value

W 137 0.002614

Z 3.0098 0.002614