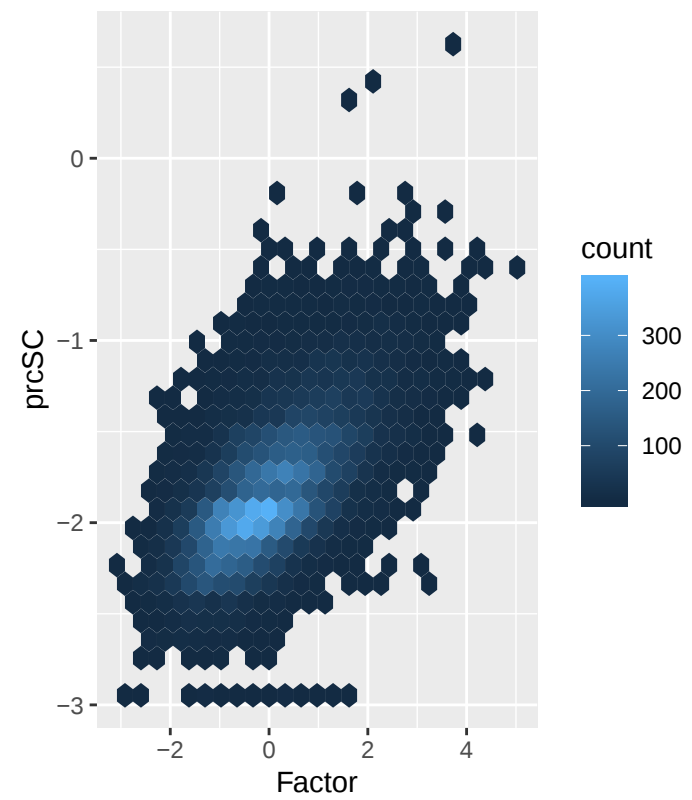
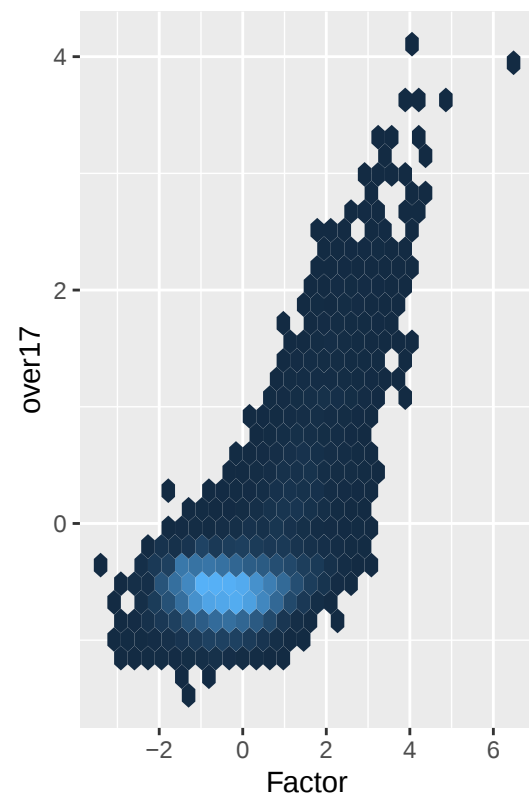
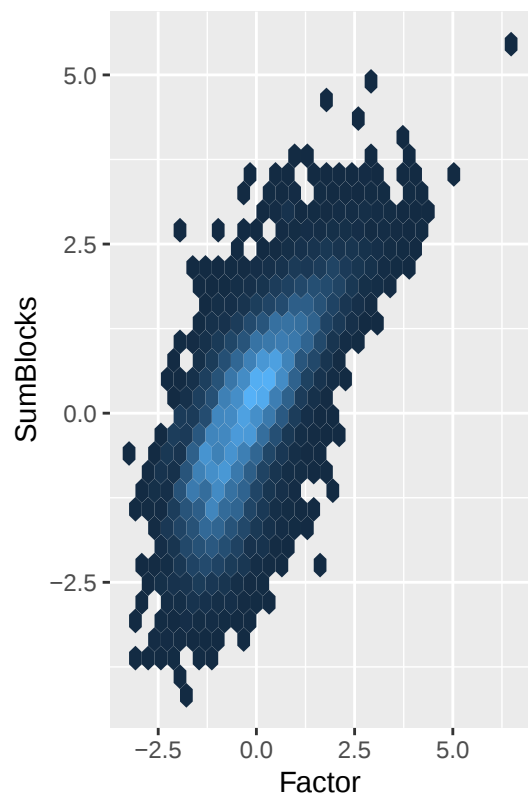
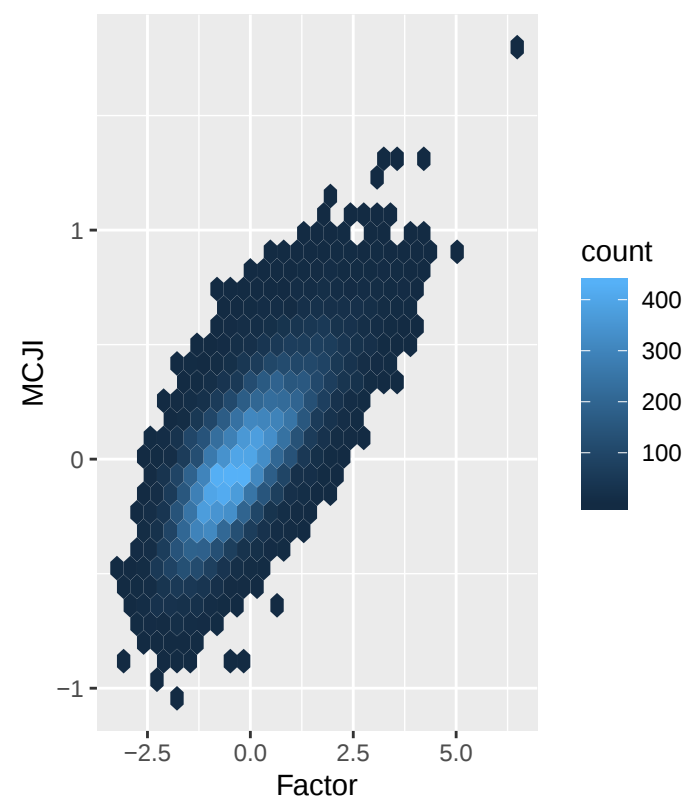
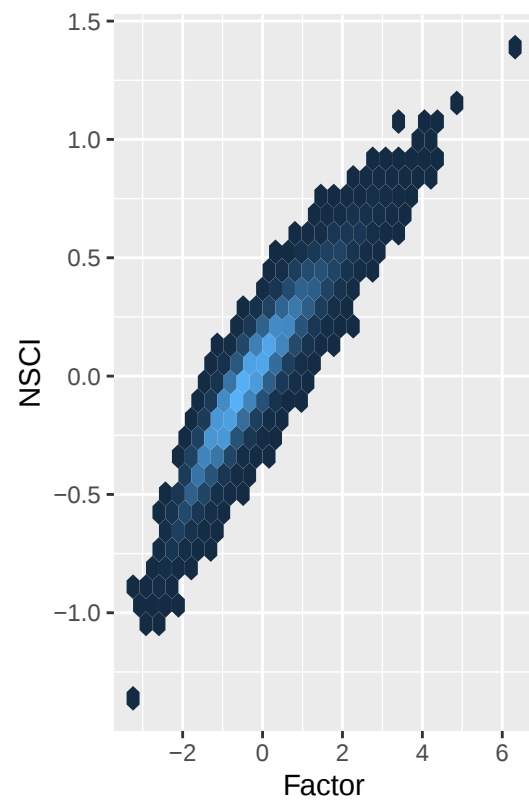
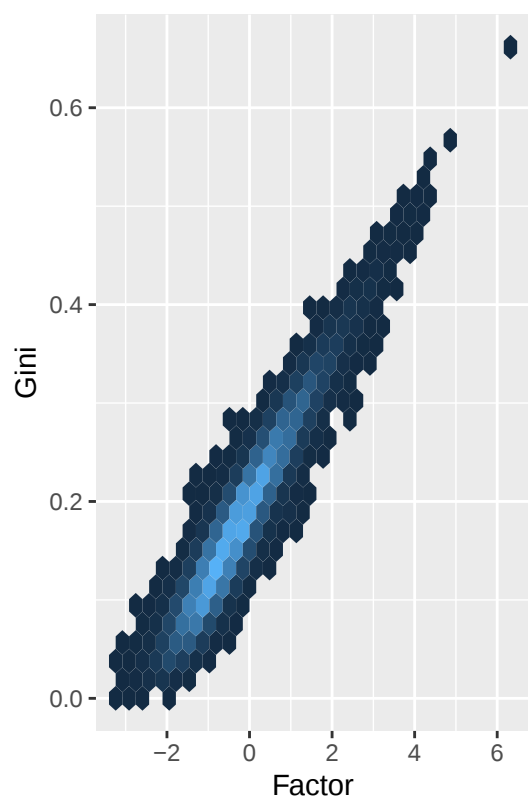


Supplementary Figure 1

Figure Title: Correlations between factor analysis and the other 6 Red Flag metrics

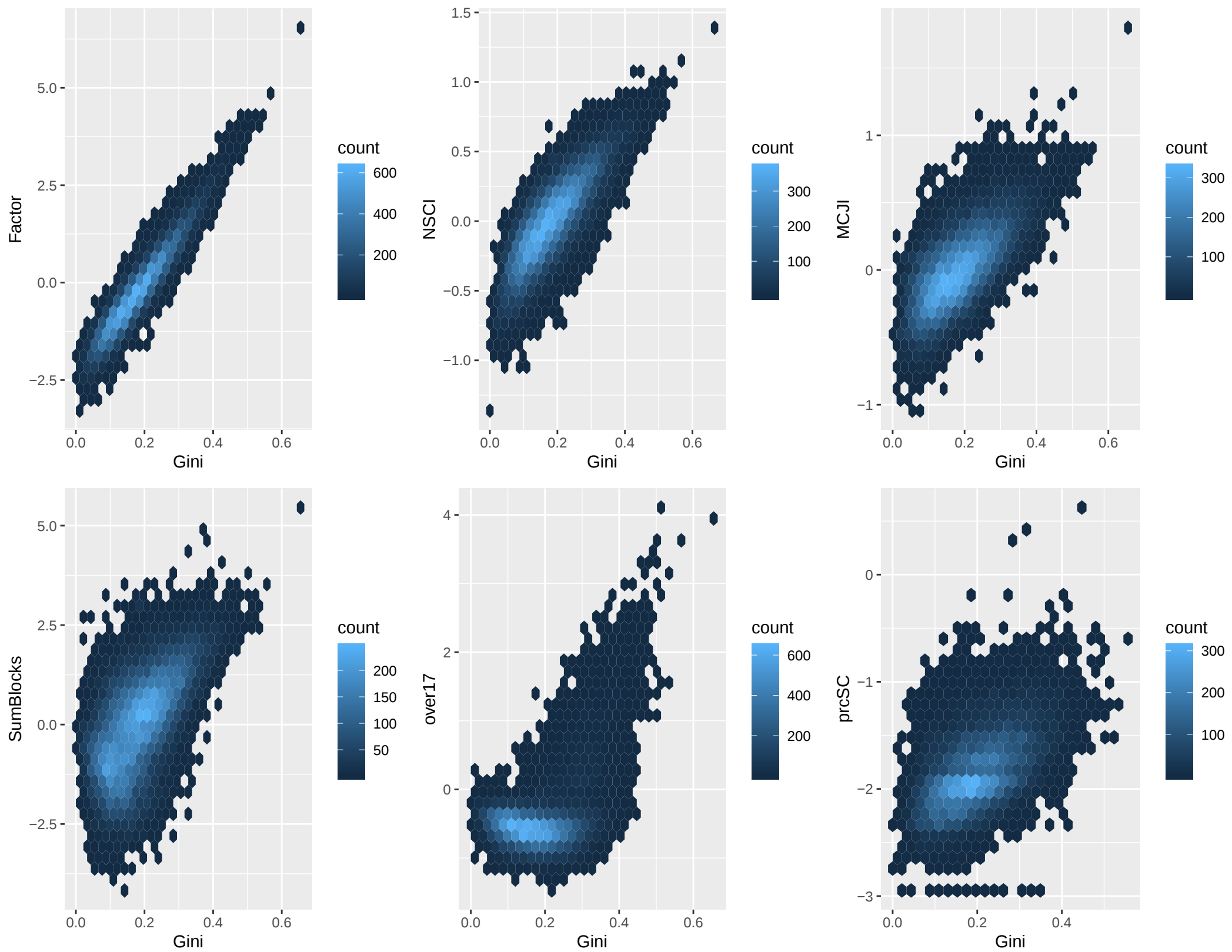
Figure Legend: A comparison of the correlations of factor analysis as a means of flagging suspicious patterns within reference lists with the other 6 Red Flag metrics. Each of the density plots shows the distribution of values for one Red Flag (y-axis) versus the others (x-axis).



Supplementary Figure 2

Figure Title: Correlations between Gini score and the other 6 Red Flag metrics

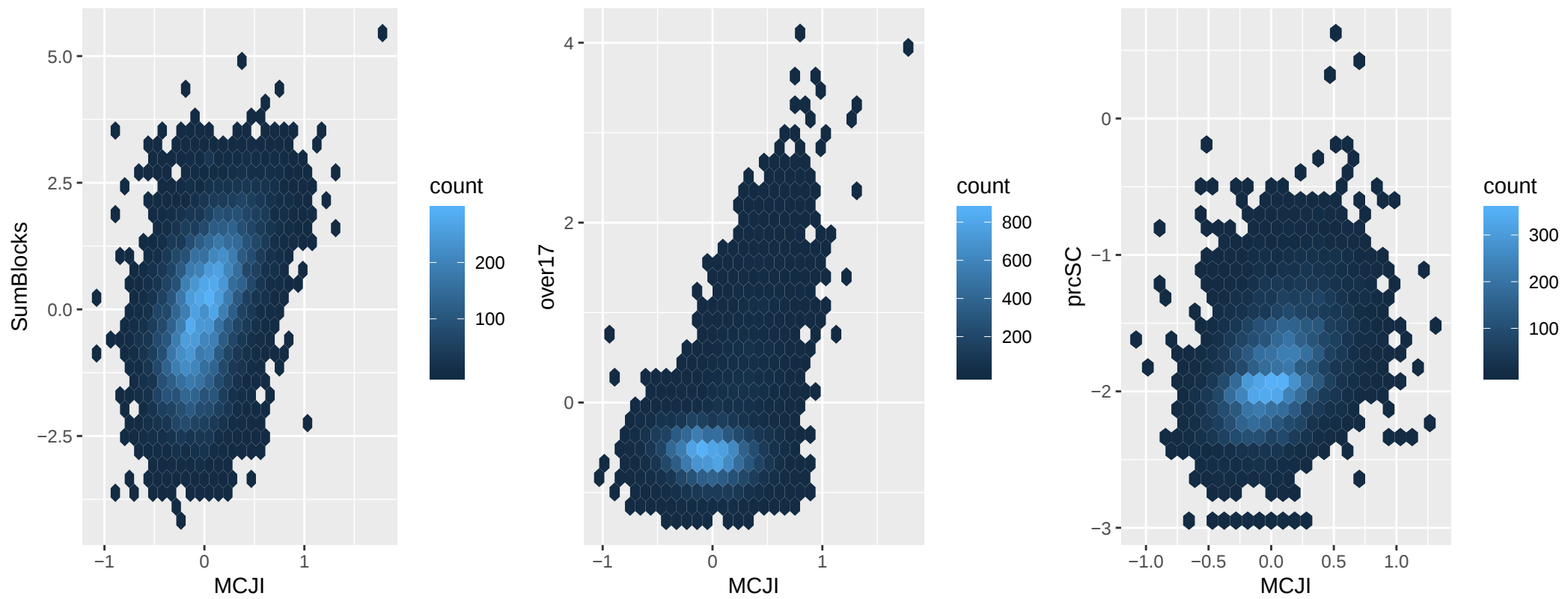
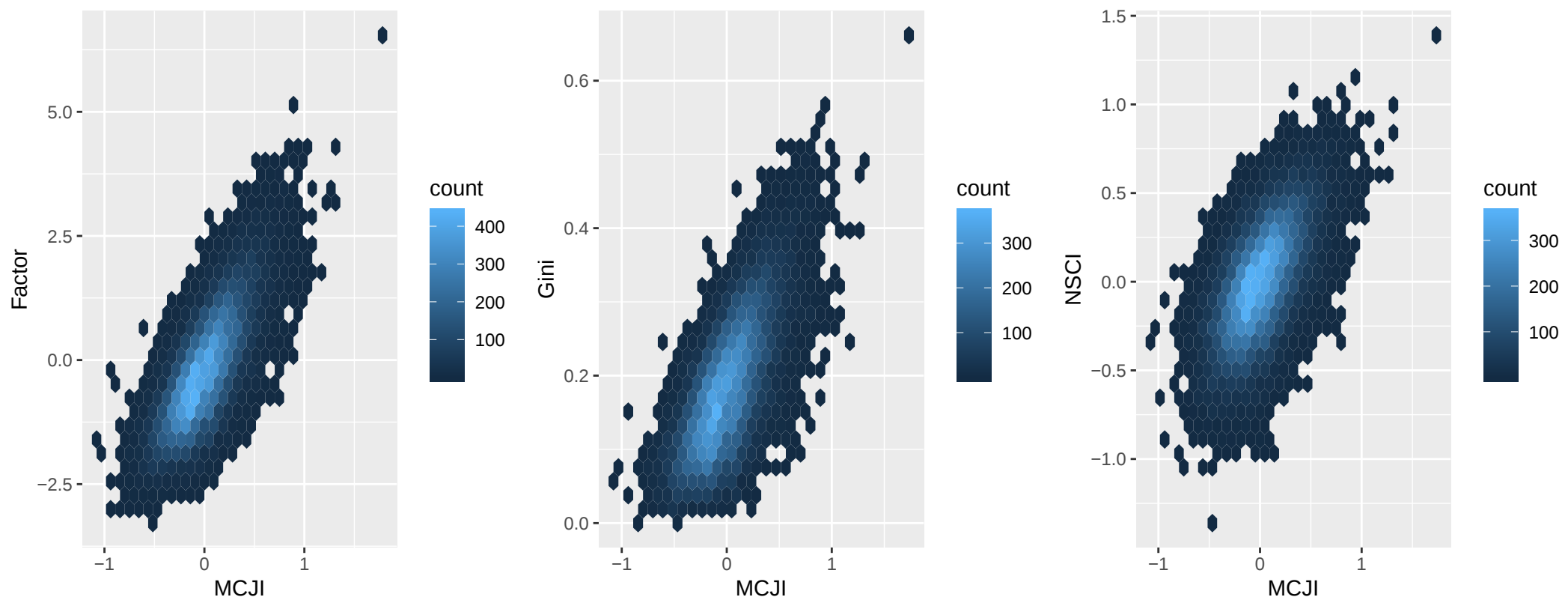
Figure Legend: A comparison of the correlations of the Gini score as a means of flagging suspicious patterns within reference lists with the other 6 Red Flag metrics. Each of the density plots shows the distribution of values for one Red Flag (y-axis) versus the others (x-axis).



Supplementary Figure 3

Figure Title: Correlations between the Most Cited Journal Index (MCJI) and the other 6 Red Flag metrics

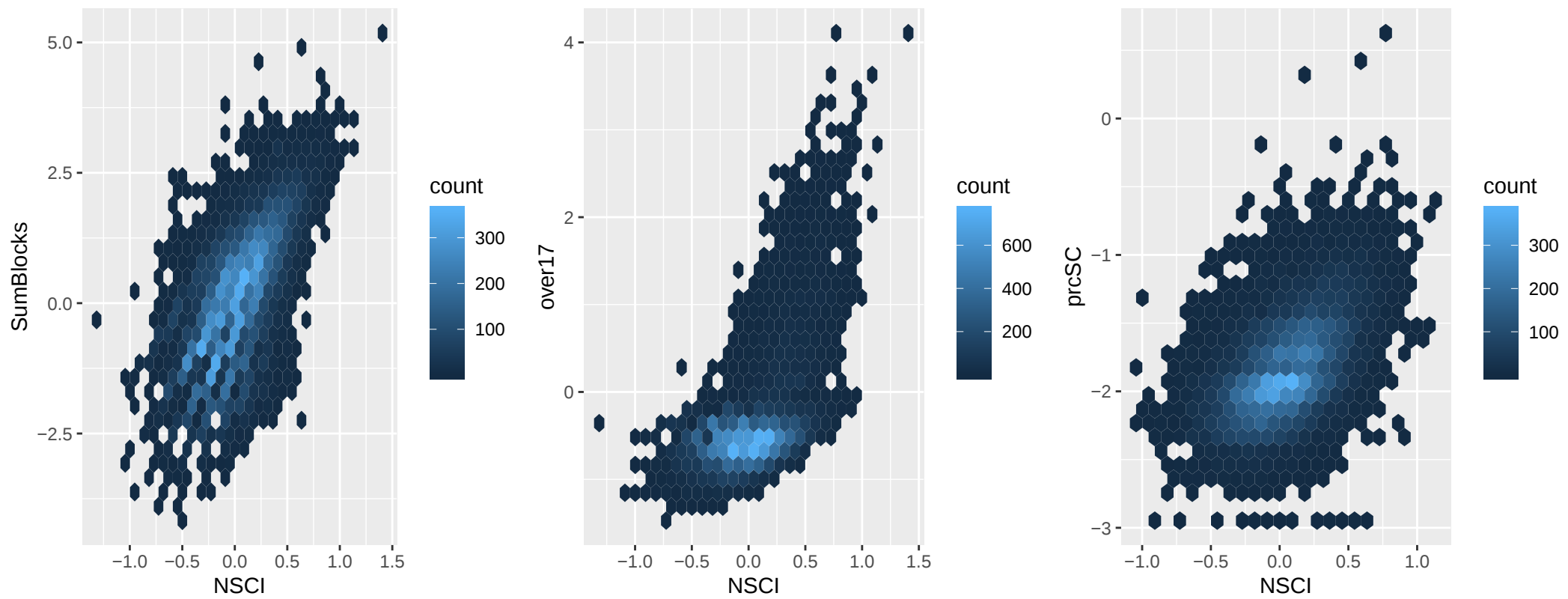
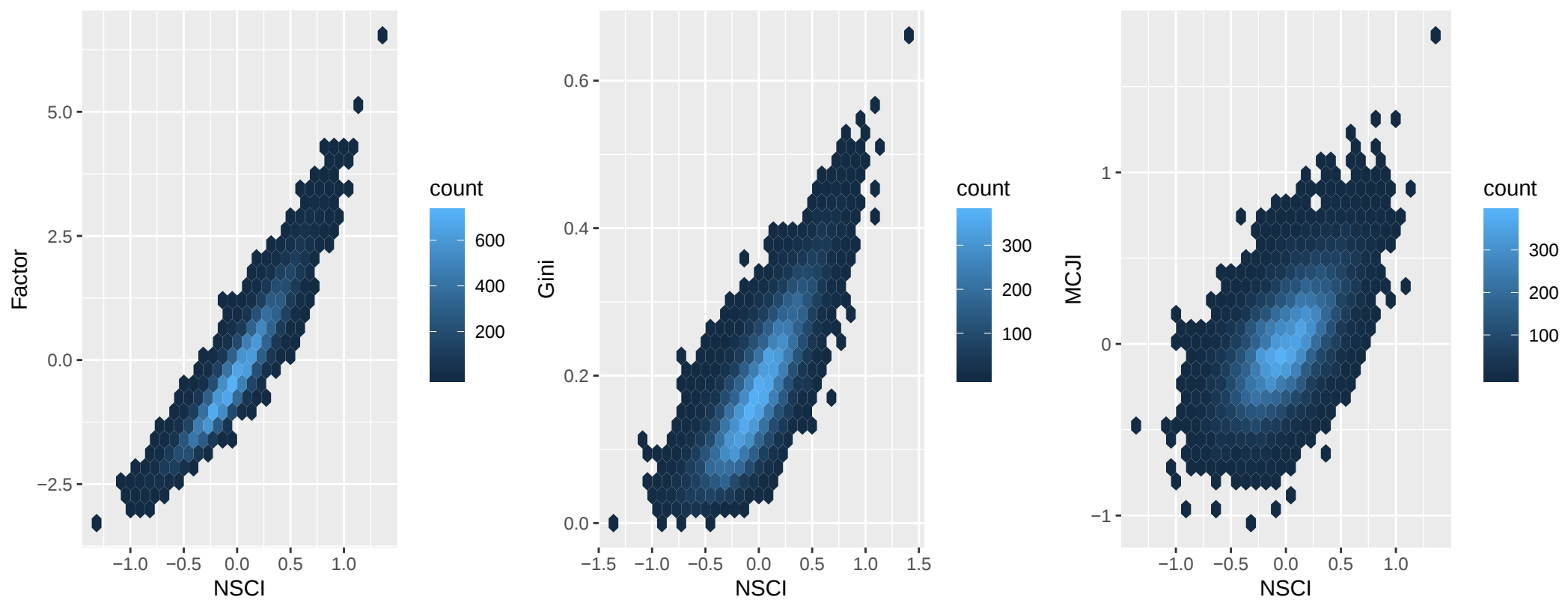
Figure Legend: A comparison of the correlations of the MCJI as a means of flagging suspicious patterns within reference lists with the other 6 Red Flag metrics. Each of the density plots shows the distribution of values for one Red Flag (y-axis) versus the others (x-axis).



Supplementary Figure 4

Figure Title: Correlations between the Non-Self Citation Index (NSCI) and the other 6 Red Flag metrics

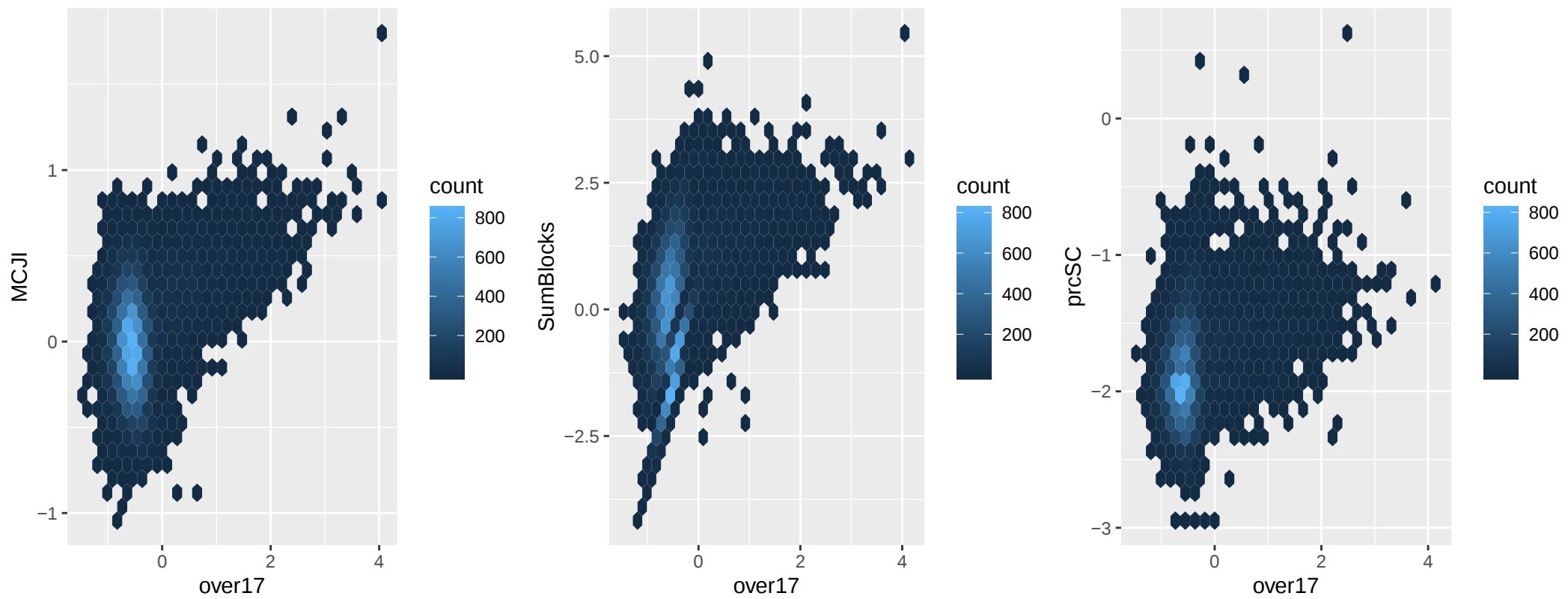
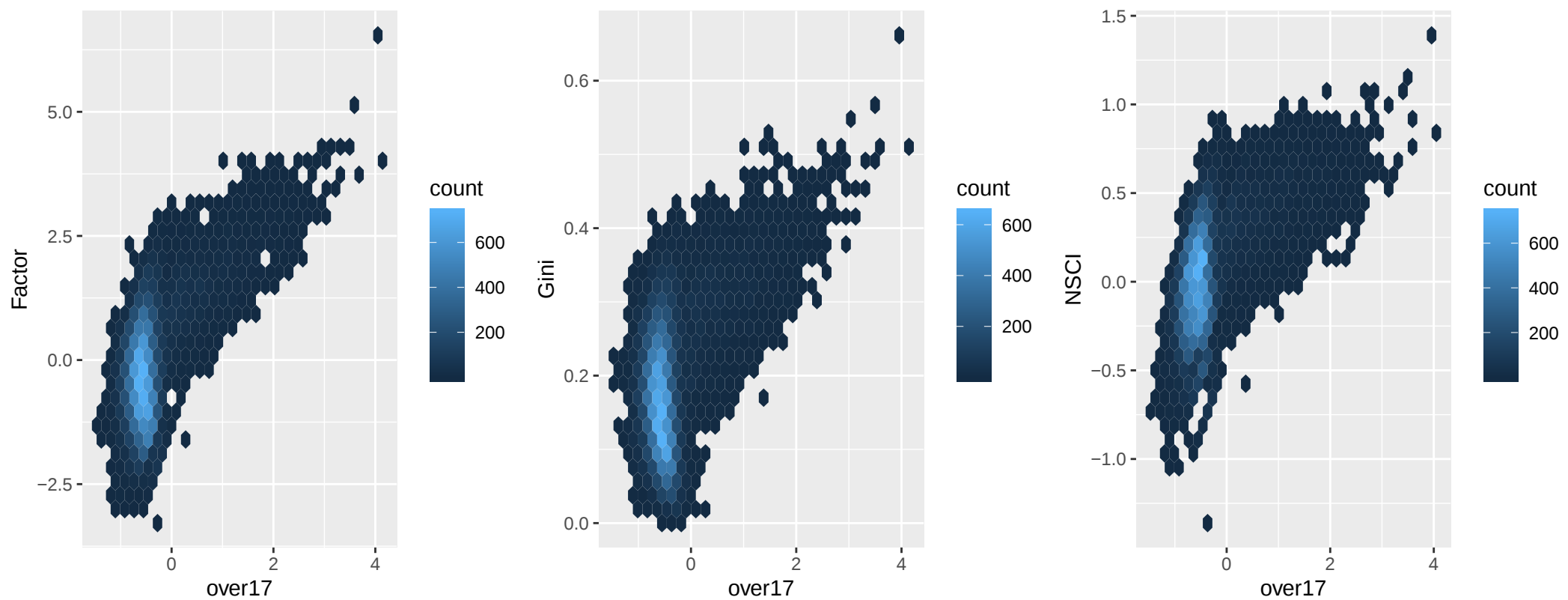
Figure Legend: A comparison of the correlations of the NSCI as a means of flagging suspicious patterns within reference lists with the other 6 Red Flag metrics. Each of the density plots shows the distribution of values for one Red Flag (y-axis) versus the others (x-axis).



Supplementary Figure 5

Figure Title: Correlations between the number of 17+ Non-Self Citations Observed to the number Expected (17+ Obs/Exp) and the other 6 Red Flag metrics

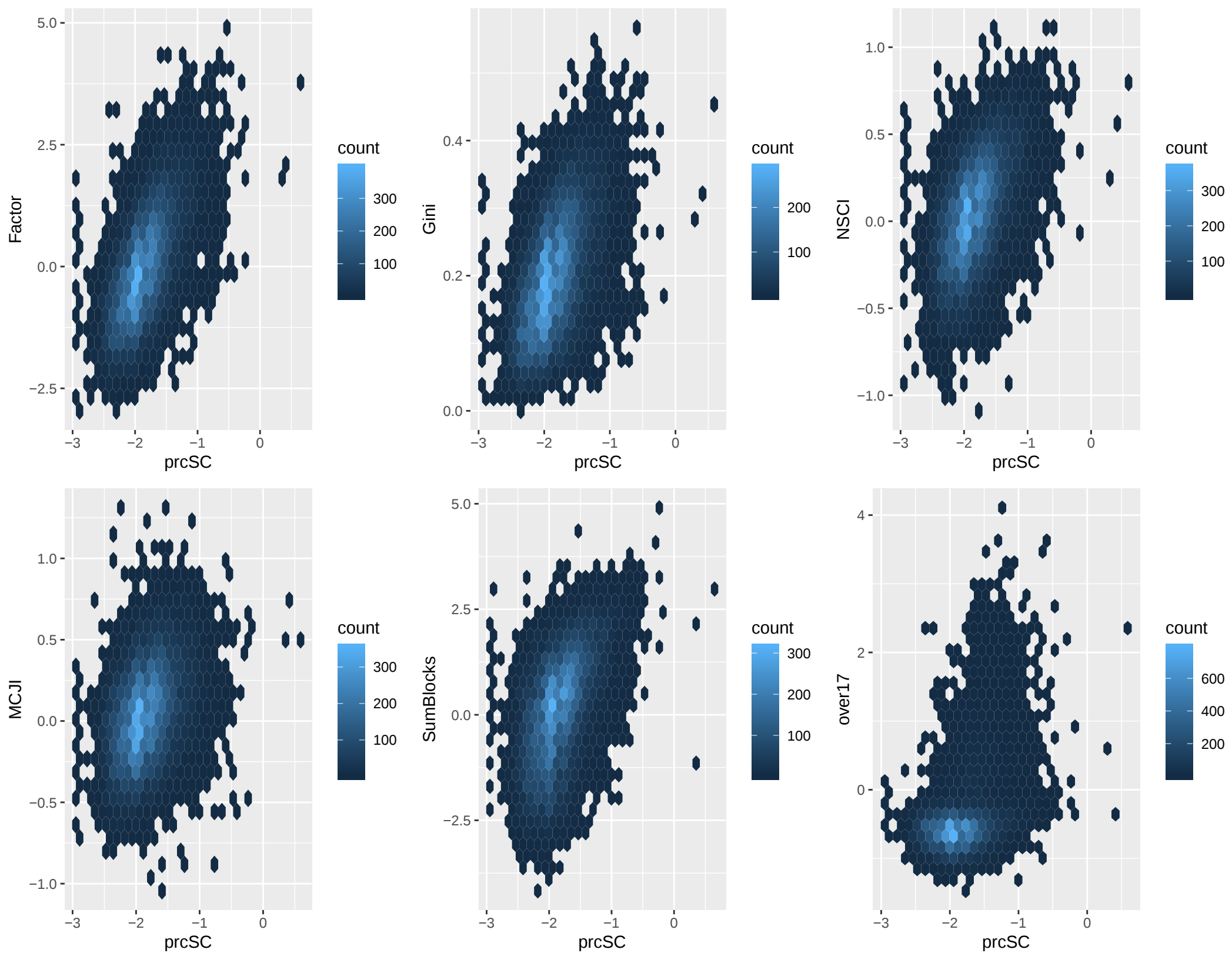
Figure Legend: A comparison of the correlations of the 17+ Obs/Exp as a means of flagging suspicious patterns within reference lists with the other 6 Red Flag metrics. Each of the density plots shows the distribution of values for one Red Flag (y-axis) versus the others (x-axis).



Supplementary Figure 6

Figure Title: Correlations between the percent of the reference list used for Self-Citation (%SC) and the other 6 Red Flag metrics

Figure Legend: A comparison of the correlations of the %SC as a means of flagging suspicious patterns within reference lists with the other 6 Red Flag metrics. Each of the density plots shows the distribution of values for one Red Flag (y-axis) versus the others (x-axis).



Supplementary Figure 7

Figure Title: Correlations between the number of blocks of consecutive Non-Self Citations found within the reference list (NSCblocks) and the other 6 Red Flag metrics

Figure Legend: A comparison of the correlations of the NSCblocks as a means of flagging suspicious patterns within reference lists with the other 6 Red Flag metrics. Each of the density plots shows the distribution of values for one Red Flag (y-axis) versus the others (x-axis).

