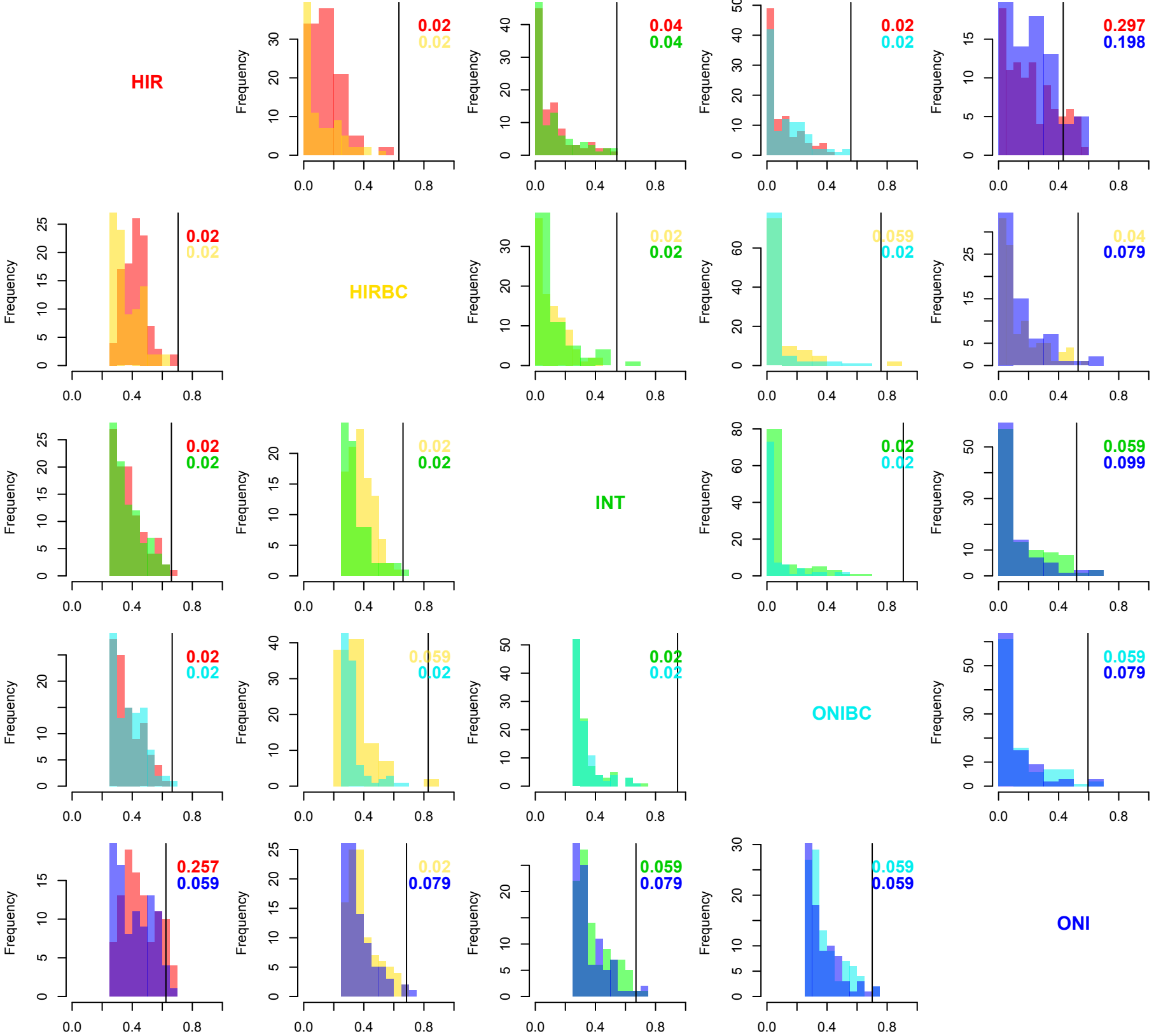


**Fig. S8** Histograms of the simulated and observed D and I metrics for the G-space similarity tests of G data set. The different colors represent the focal entity of each test, which was tested against random points from the background of the second entity: red, yellow, green, cyan and blue correspond to group HIR, HIRBC, INT, ONIBC and ONI, respectively. Vertical lines indicate the observed value of the measured metric. Plots above the diagonal correspond to D metric, while those below the diagonal correspond to I. Numbers in the top right corner of each plot are the p-values of the respective tests. For details on group names, see main text.



**Fig. S9** Histograms of the simulated and observed D and I metrics for the E-space similarity tests of G data set. The different colors represent the focal entity of each test, which was tested against random points from the background of the second entity: red, yellow, green, cyan and blue correspond to HIR, HIRBC, INT, ONIBC and ONI, respectively. Vertical lines indicate the observed value of the measured metric. Plots above the diagonal correspond to D metric, while those below the diagonal correspond to I. Numbers in the top right corner of each plot are the p-values of the respective tests. For details on group names, see main text.