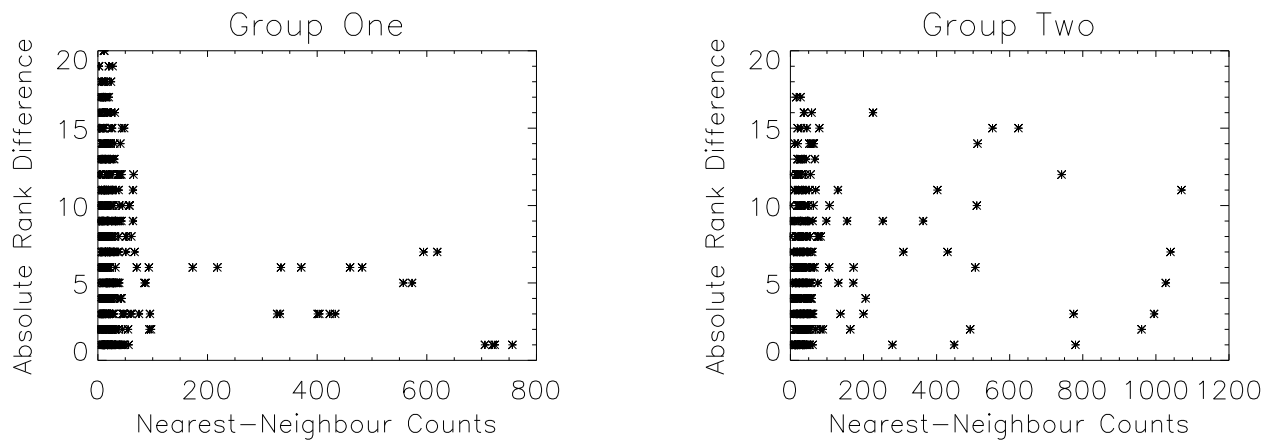


Supporting Information: Social Feedback and the Emergence of Rank in Animal Society

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S4 Fig. Neighbor identity is not a strong signal of rank. Spatial proximity (via neighbor identity) is not a strong signal of rank in either Group One ($r^2 = -0.12$) or Group Two ($r^2 = -0.02$). Even in the final three-quarters, where behavior is most regular, in Group One, proximity provides only a weakly anticorrelated signal ($r^2 = -0.14$); in Group Two, it provides no signal at all ($r^2 = 0.04$; consistent with null). Note that each point here represents a pair; there are thus 210 points in Group One and 171 points in Group Two on these two plots, with the vast majority of points overlapping near zero on the x axis.