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**SI Figure 1. Small ruminant trading network and related centrality measures for Mauritania in 2014.** Node size show the importance of the measured centrality values. in and out-weight measures were scaled on the total volume of traded livestock; eigenvector centrality (centrality measure) were scored from 0 to 1, betweenness was considered for the fraction of paths passing through the node.

**SI Figure 2. Cattle trading network and related centrality measures for Mauritania in 2014.** Legend were kept as in SI Figure 1.

**SI Figure 3. Camel trading network and related centrality measures for Mauritania in 2014.** Legend were kept as in SI Figure 1.