



Figure 3. Sociogram of colony 2 (see Figure 2 for captions).

The tallies of subsequent brood-tending behavioural acts directed by workers towards the larvae are indicated in Table 2 (where results from the four observation sessions are pooled). Colony 1 workers delivered more tending acts to non-nestmate larvae than to nestmates (Chi square = 4.41;  $P < 0.05$ ), but these activities were deployed almost equally in colony 2. The apparent colony 1 bias reduces to insignificance when data are pooled with those from colony 2. However, if licking alone among the relevant behavioural acts is considered, a preference for non-nestmate larvae appears significant for colony 1 (Chi square = 6.43;  $P < 0.02$ ) and for both colonies when the results are pooled (Chi square = 6.45;  $P < 0.02$ ). Such preference is no significant for colony 2 considered separately. The other tending behaviours (*Antennation*, *Transport*, *Nibbling* and *Feeding*) show no such putatively significant patterns, neither alone nor collectively.