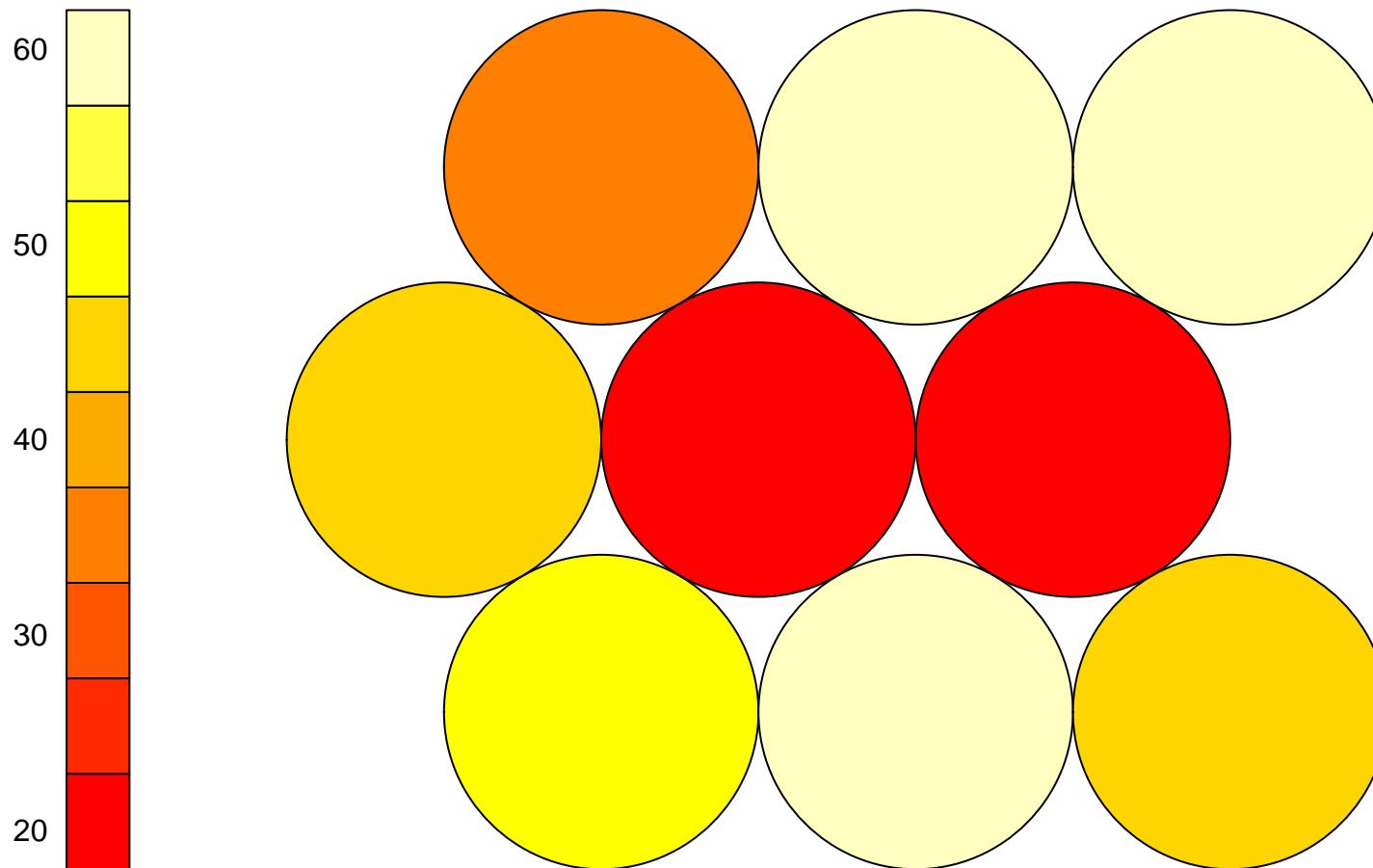
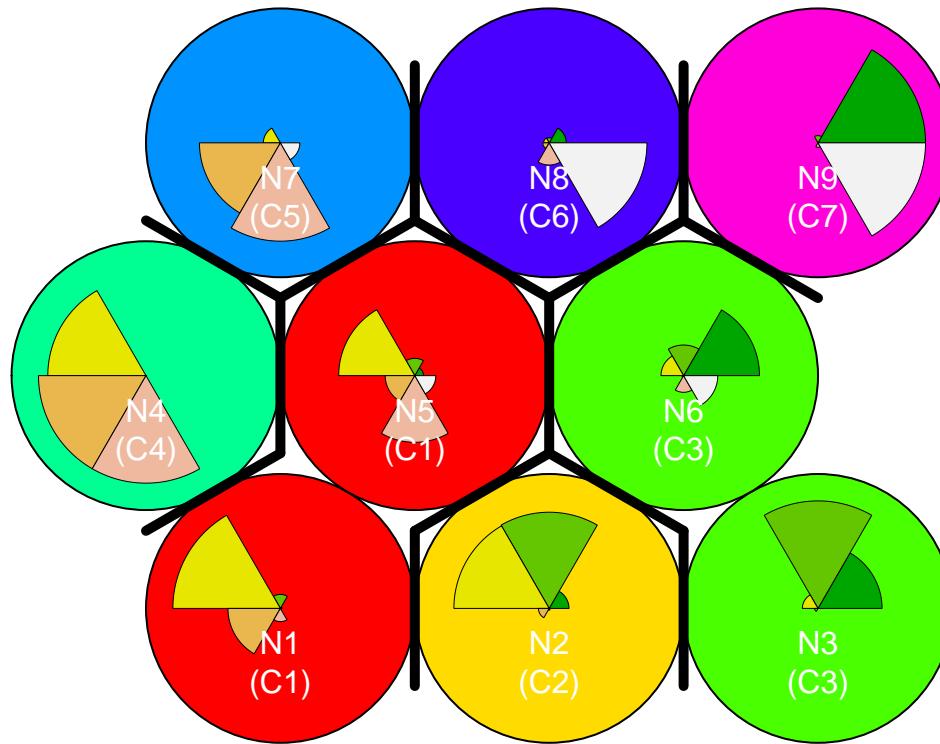


SOM – Counts (k = 7)



SOM – Clusters (k = 7)

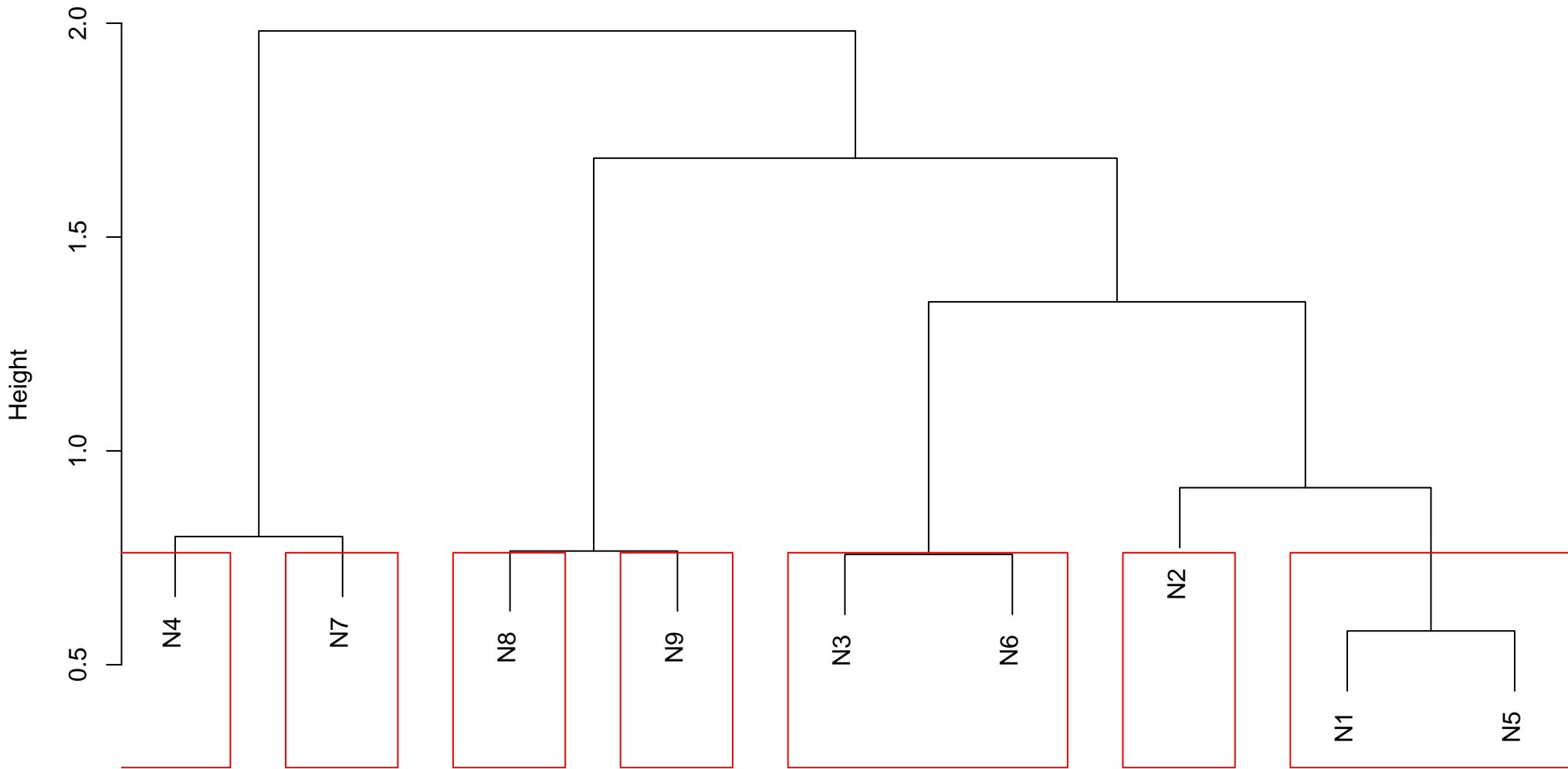


- | | | | |
|---|-----------------|---|-----------------|
| ■ | amazed.suprised | ■ | quiet.still |
| ■ | happy.pleased | ■ | sad.lonely |
| ■ | relaxing.calm | ■ | angry.aggresive |

| neuron | Y.amazed.suprised | Y.happy.pleased | Y.relaxing.calm | Y.quiet.still | Y.sad.lonely | Y.angry.aggressive |
|---------------|--------------------------|------------------------|------------------------|----------------------|---------------------|---------------------------|
| 1 1 | 0 | 0 | 48 | 20 | 0 | 0 |
| 2 2 | 7 | 60 | 60 | 4 | 0 | 0 |
| 3 3 | 25 | 43 | 0 | 1 | 1 | 0 |
| 4 4 | 0 | 0 | 45 | 45 | 45 | 0 |
| 5 5 | 0 | 0 | 18 | 0 | 18 | 2 |
| 6 6 | 21 | 0 | 1 | 0 | 4 | 0 |
| 7 7 | 0 | 0 | 0 | 29 | 34 | 1 |
| 8 8 | 0 | 3 | 2 | 0 | 8 | 61 |
| 9 9 | 62 | 5 | 0 | 0 | 3 | 62 |

Grid: gaussian_hexagonal | rlen: 1500 | radius: 3 | alpha1: 0.1 | alpha2: 0.001 | QE Teste: 0.247726949234541

Cluster Dendrogram



dist(codebook.matrix.best.result)
hclust (*, "complete")

| cluster | Y.amazed.suprised | Y.happy.pleased | Y.relaxing.calm | Y.quiet.still | Y.sad.lonely | Y.angry.aggresive |
|---------|-------------------|-----------------|-----------------|---------------|--------------|-------------------|
| 1 1 | 0 | 0 | 66 | 20 | 18 | 2 |
| 2 2 | 7 | 60 | 60 | 4 | 0 | 0 |
| 3 3 | 46 | 43 | 1 | 1 | 5 | 0 |
| 4 4 | 0 | 0 | 45 | 45 | 45 | 0 |
| 5 5 | 0 | 0 | 0 | 29 | 34 | 1 |
| 6 6 | 0 | 3 | 2 | 0 | 8 | 61 |
| 7 7 | 62 | 5 | 0 | 0 | 3 | 62 |

| | cluster | combinacao | frequencia |
|---|----------------|-------------------|-------------------|
| 3 | 1 | 001011 | 2 |
| 2 | 1 | 001010 | 16 |
| 4 | 1 | 001100 | 20 |
| 1 | 1 | 001000 | 28 |

| | cluster | combinacao | frequencia |
|---|----------------|-------------------|-------------------|
| 2 | 2 | 011100 | 4 |
| 3 | 2 | 111000 | 7 |
| 1 | 2 | 011000 | 49 |

| cluster | | combinacao | frequencia |
|----------------|---|-------------------|-------------------|
| 2 | 3 | 010010 | 1 |
| 3 | 3 | 010100 | 1 |
| 6 | 3 | 101000 | 1 |
| 5 | 3 | 100010 | 4 |
| 1 | 3 | 010000 | 16 |
| 4 | 3 | 100000 | 16 |
| 7 | 3 | 110000 | 25 |

| cluster | combinacao | frequencia |
|----------------|-------------------|-------------------|
| 1 | 4 | 001110 |

| | cluster | combinacao | frequencia |
|---|----------------|-------------------|-------------------|
| 4 | 5 | 000111 | 1 |
| 2 | 5 | 000100 | 3 |
| 1 | 5 | 000010 | 8 |
| 3 | 5 | 000110 | 25 |

| | cluster | combinacao | frequencia |
|---|----------------|-------------------|-------------------|
| 3 | 6 | 001001 | 2 |
| 4 | 6 | 010001 | 3 |
| 2 | 6 | 000011 | 8 |
| 1 | 6 | 000001 | 48 |

| | cluster | combinacao | frequencia |
|---|----------------|-------------------|-------------------|
| 2 | 7 | 100011 | 3 |
| 3 | 7 | 110001 | 5 |
| 1 | 7 | 100001 | 54 |