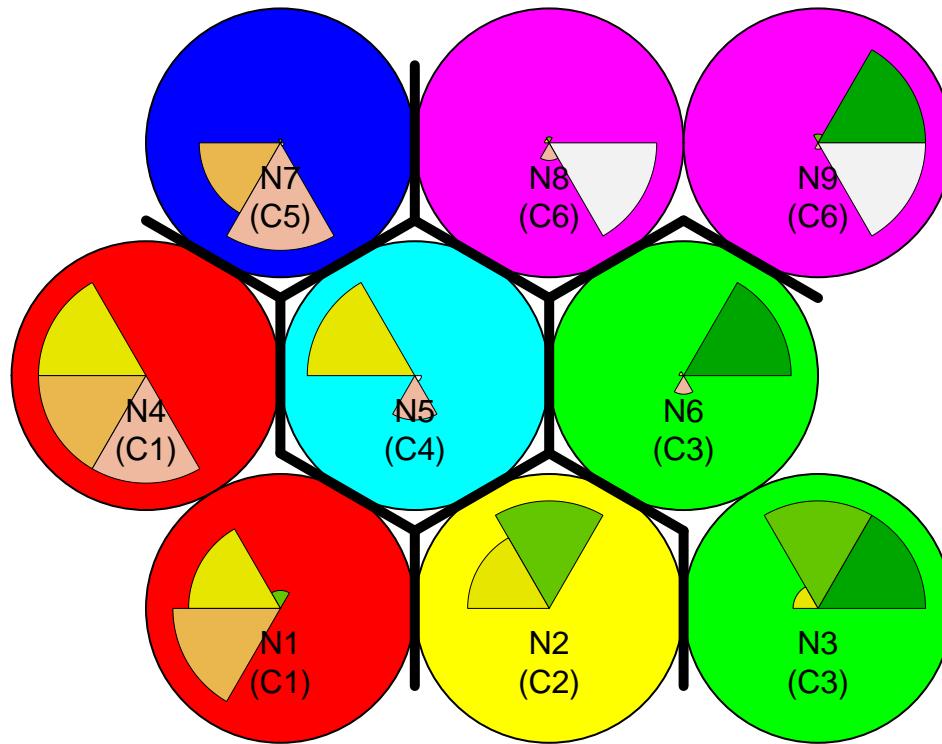


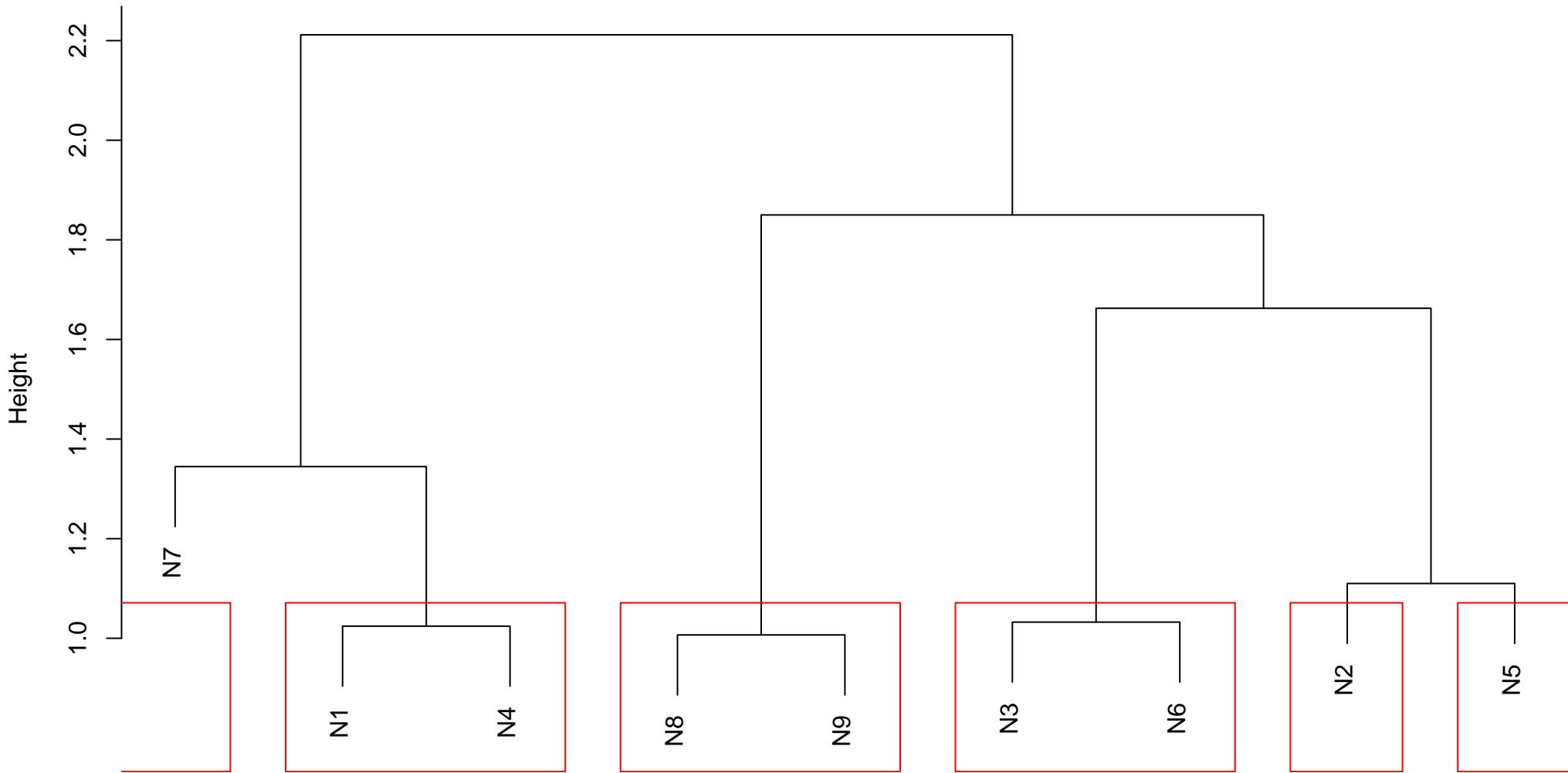
## SOM – Clusters (k = 6 )



- |                  |                   |
|------------------|-------------------|
| ■ amazd.suprised | ■ quiet.still     |
| ■ happy.pleasd   | ■ sad.lonely      |
| ■ relaxng.calm   | ■ angry.aggresive |

<b>neuron</b>	<b>Y.amazed.suprised</b>	<b>Y.happy.pleased</b>	<b>Y.relaxing.calm</b>	<b>Y.quiet.still</b>	<b>Y.sad.lonely</b>	<b>Y.angry.aggressive</b>
1 1	0	5	24	28	0	0
2 2	0	65	49	0	0	0
3 3	32	32	7	0	0	0
4 4	0	0	45	45	45	0
5 5	0	0	46	0	18	2
6 6	21	0	1	0	4	0
7 7	0	1	0	26	35	1
8 8	0	3	2	0	8	61
9 9	62	5	0	0	3	62

## 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	5	69	73	45	0
2	2	0	65	49	0	0	0
3	3	53	32	8	0	4	0
4	4	0	0	46	0	18	2
5	5	0	1	0	26	35	1
6	6	62	8	2	0	11	123

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
4	1	010100	1
1	1	000100	3
5	1	011100	4
2	1	001100	20
3	1	001110	45

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
1	2	010000	16
2	2	011000	49

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
3	3	101000	1
2	3	100010	4
5	3	111000	7
1	3	100000	16
4	3	110000	25

<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>	
3	4	001011	2
2	4	001010	16
1	4	001000	28

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
3	5	000111	1
4	5	010010	1
1	5	000010	8
2	5	000110	25

<b>cluster</b>		<b>combinacao</b>	<b>frequencia</b>
3	6	001001	2
4	6	010001	3
6	6	100011	3
7	6	110001	5
2	6	000011	8
1	6	000001	48
5	6	100001	54