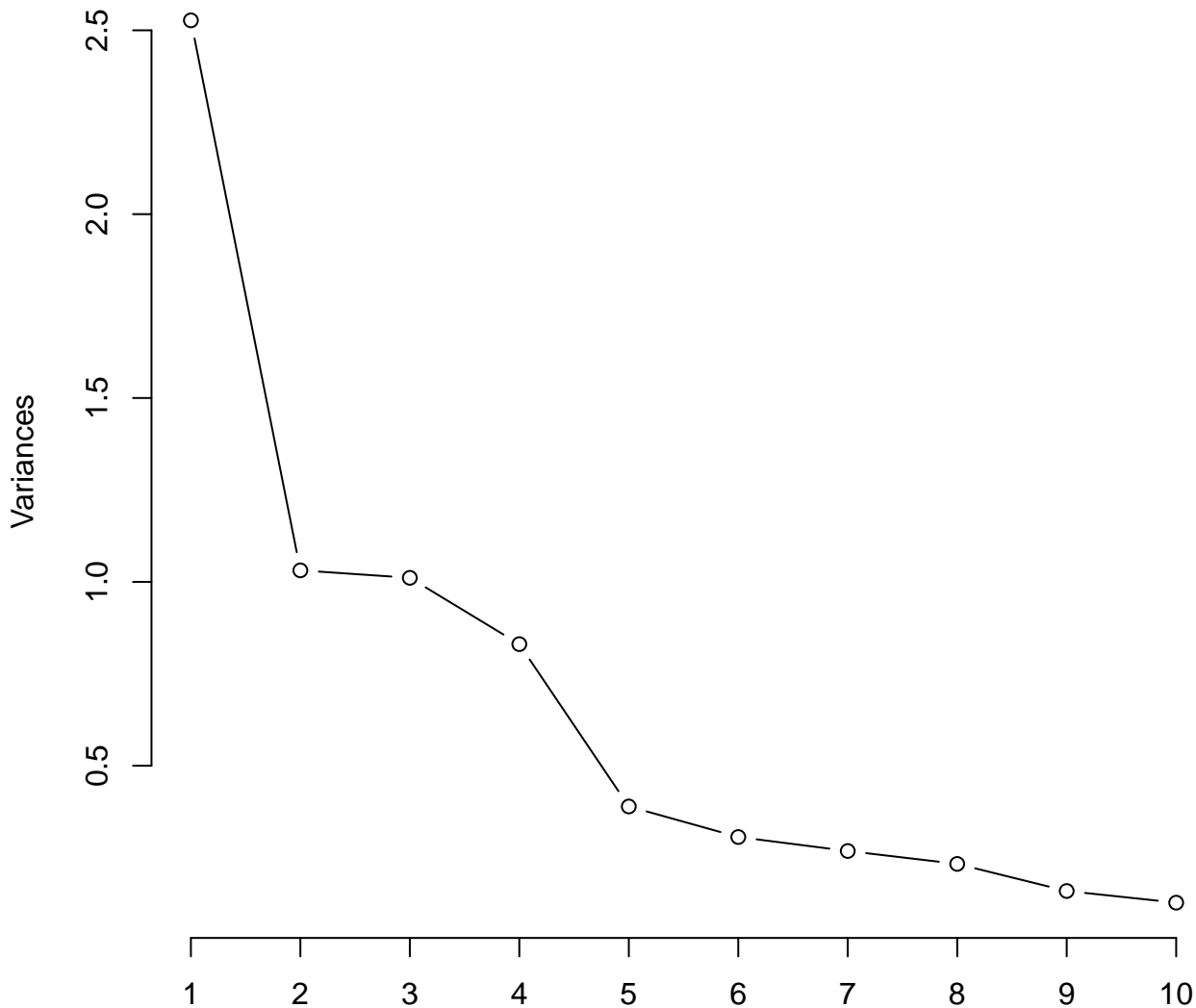
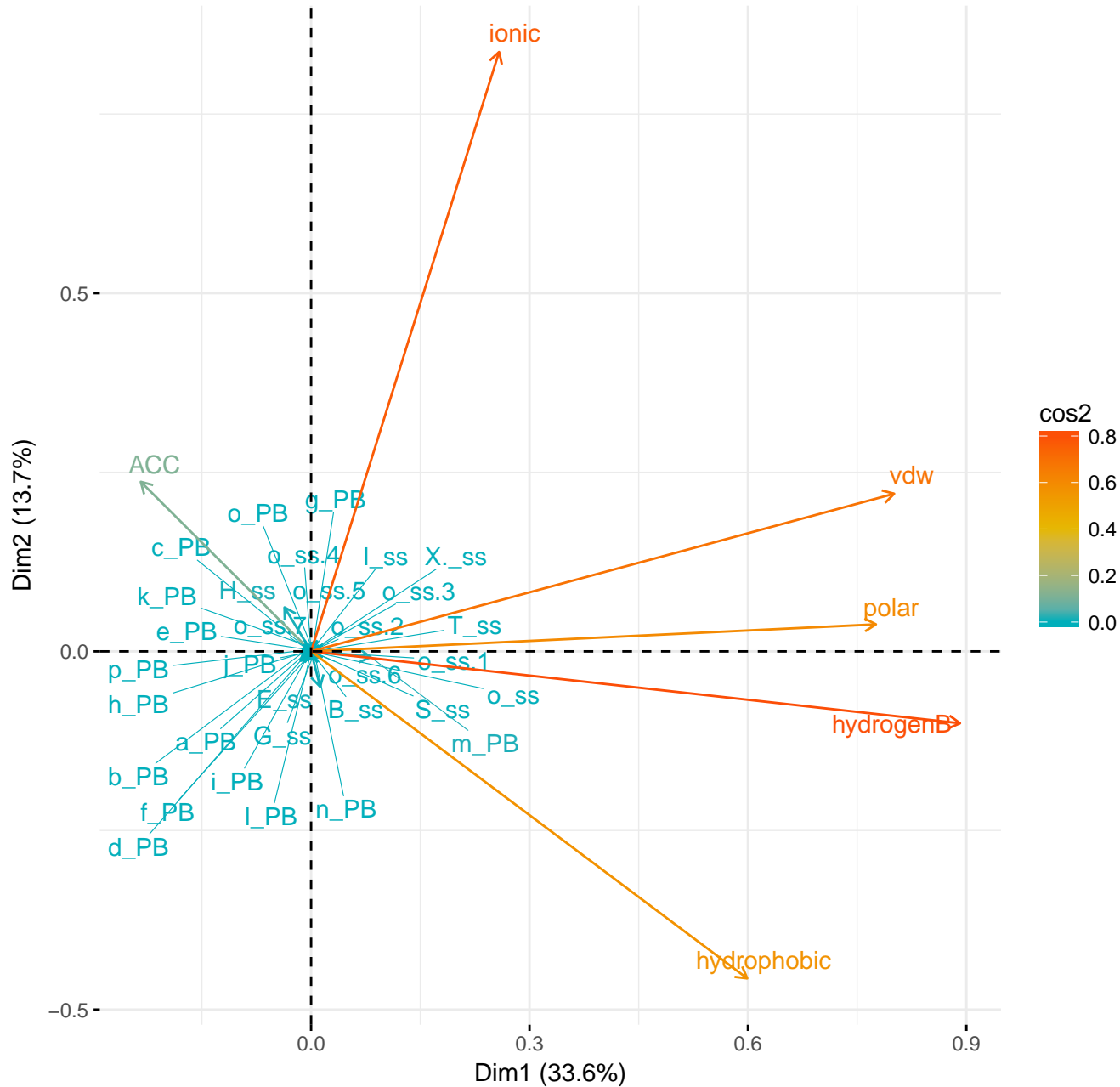


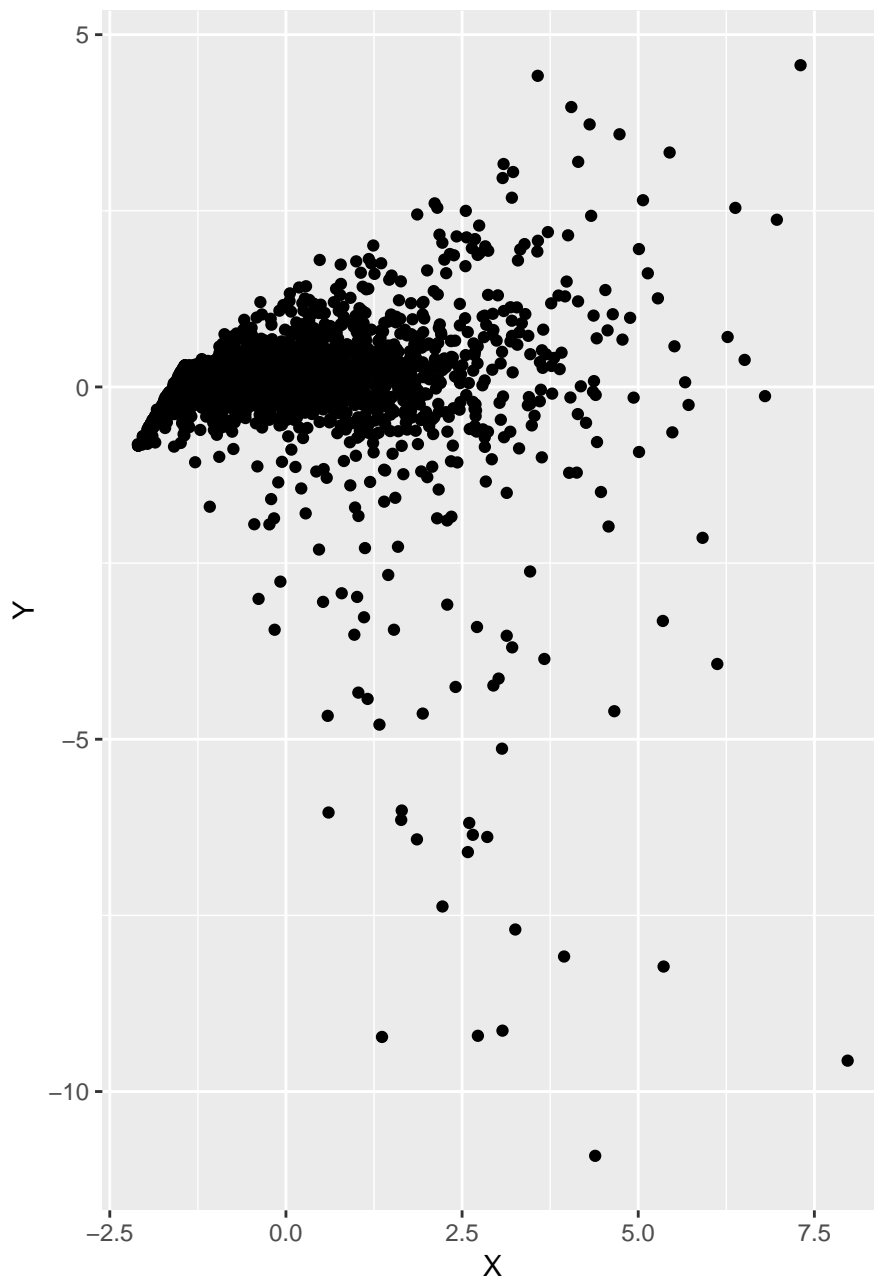
## Variances en fonction des Composantes Principales



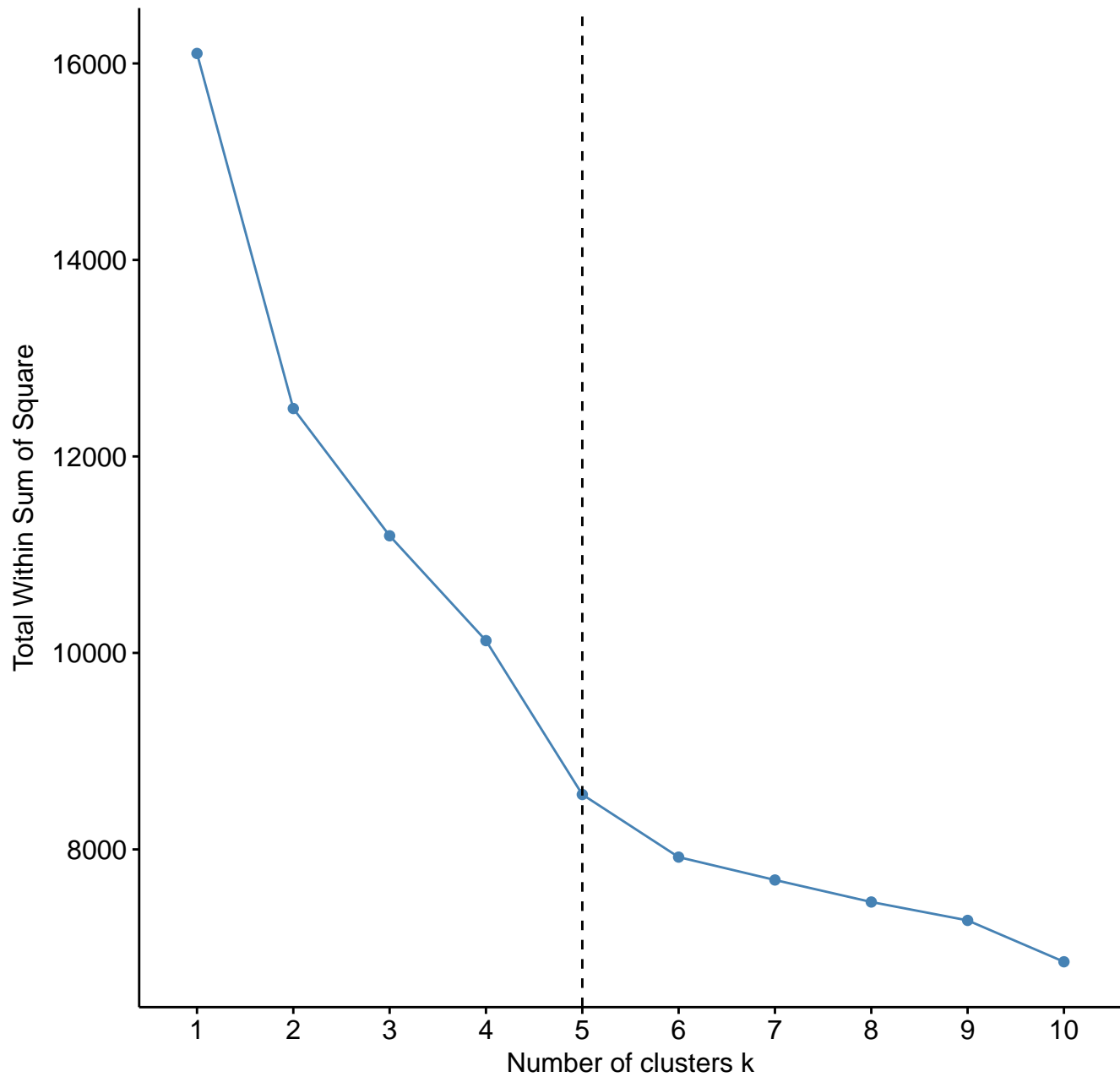
# Variables – PCA



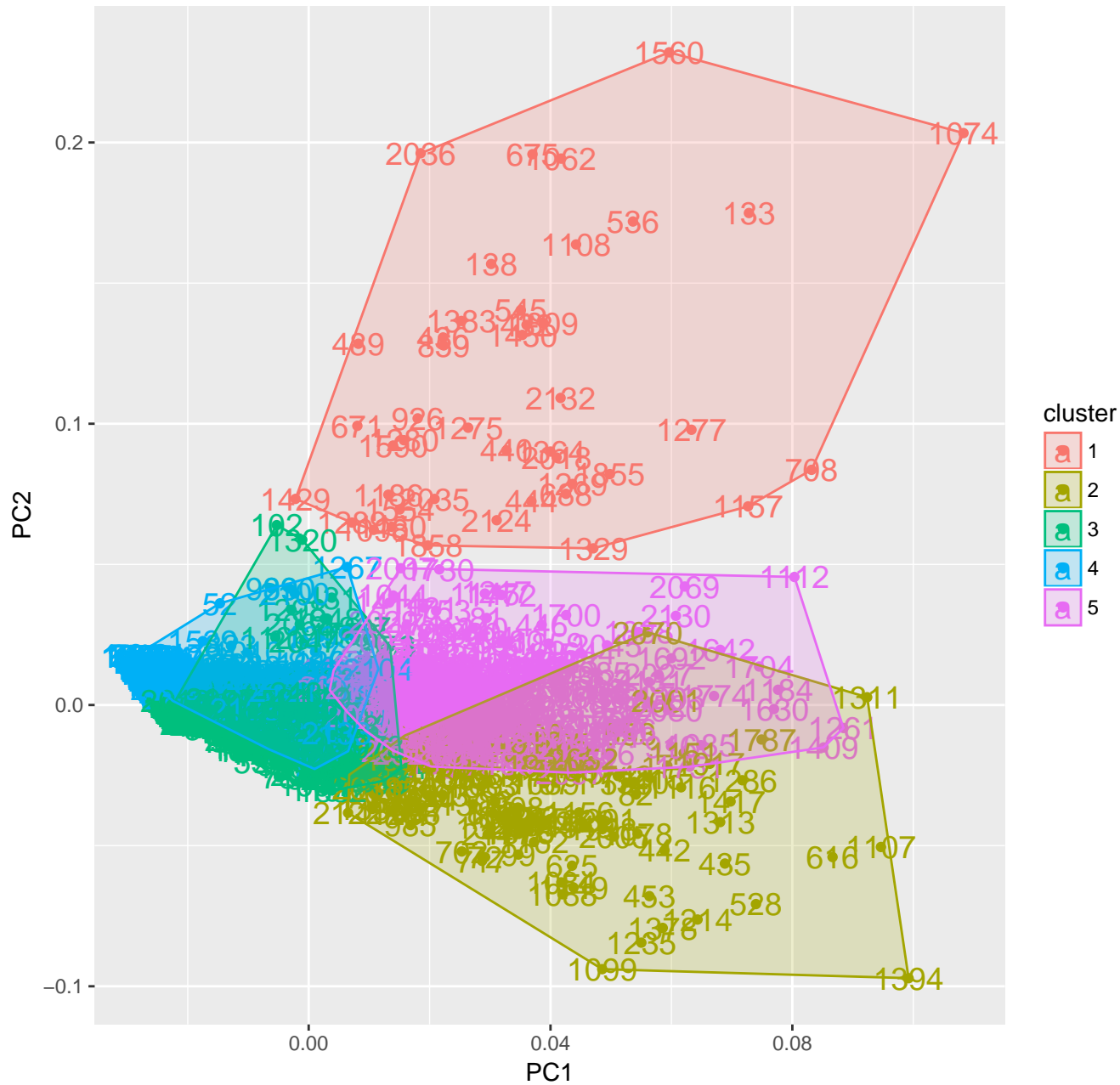
MDS with Shephard–Kruskal Stress 0.6



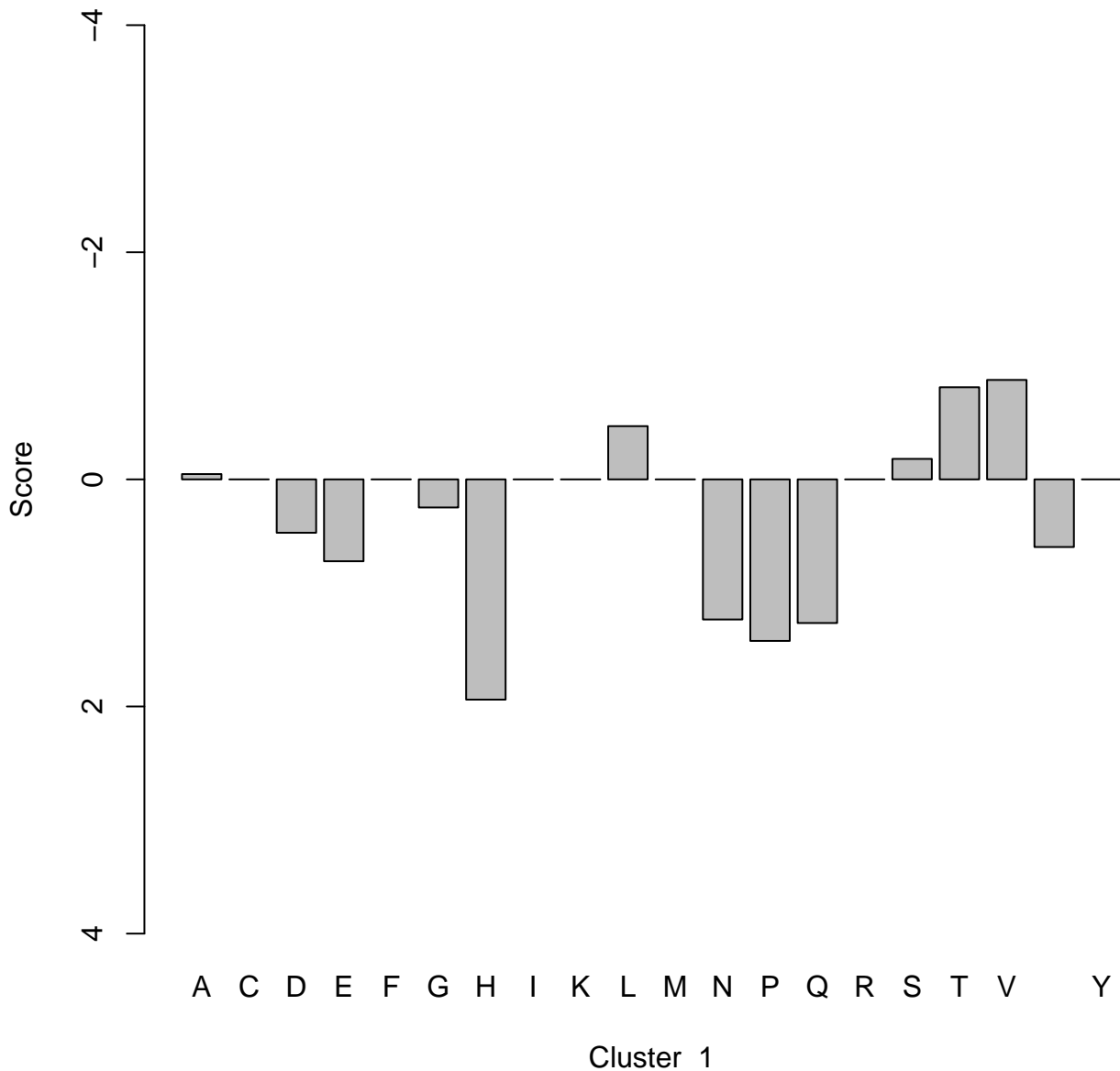
Optimal number of clusters



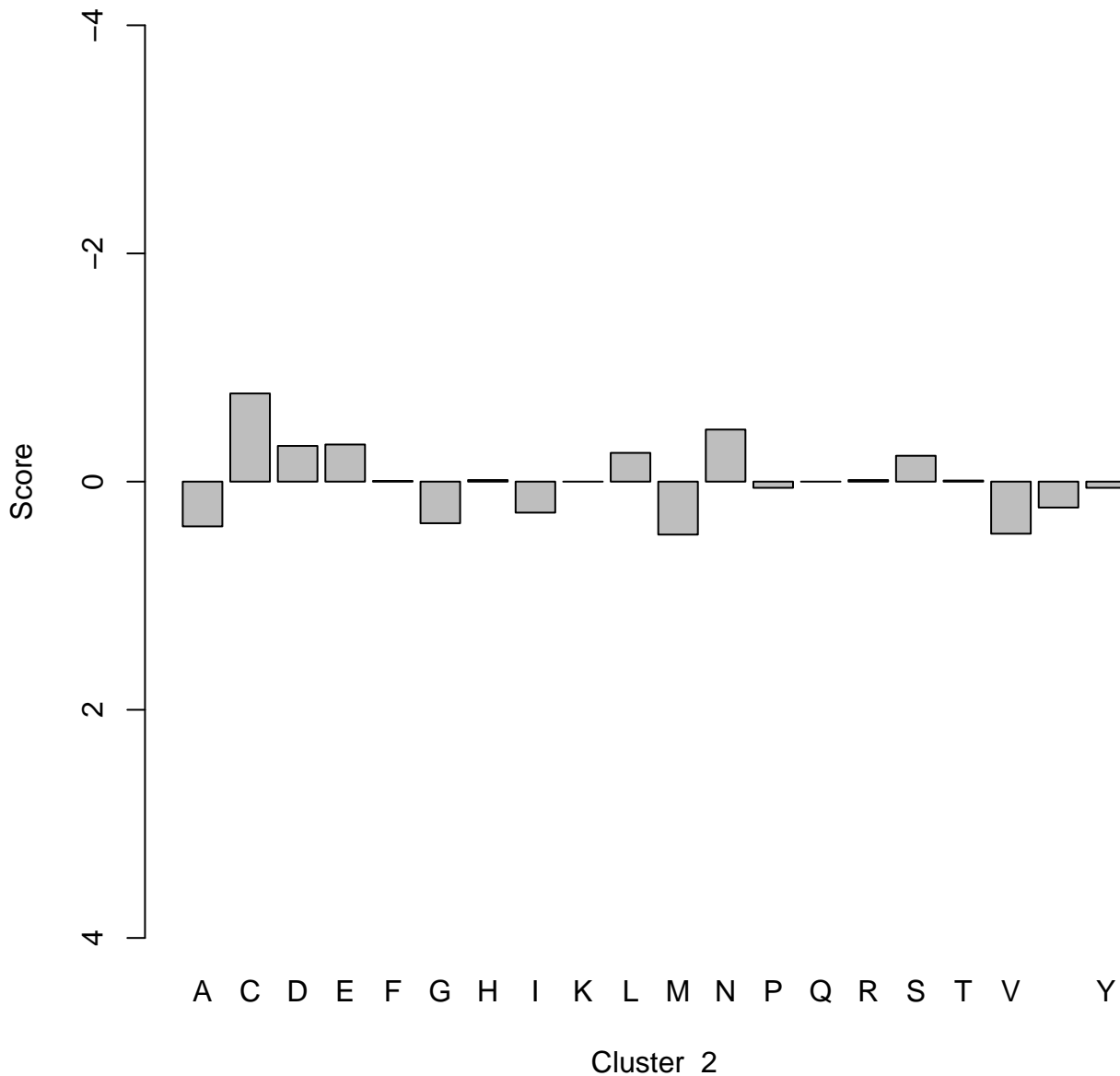
# Clustering par Kmeans



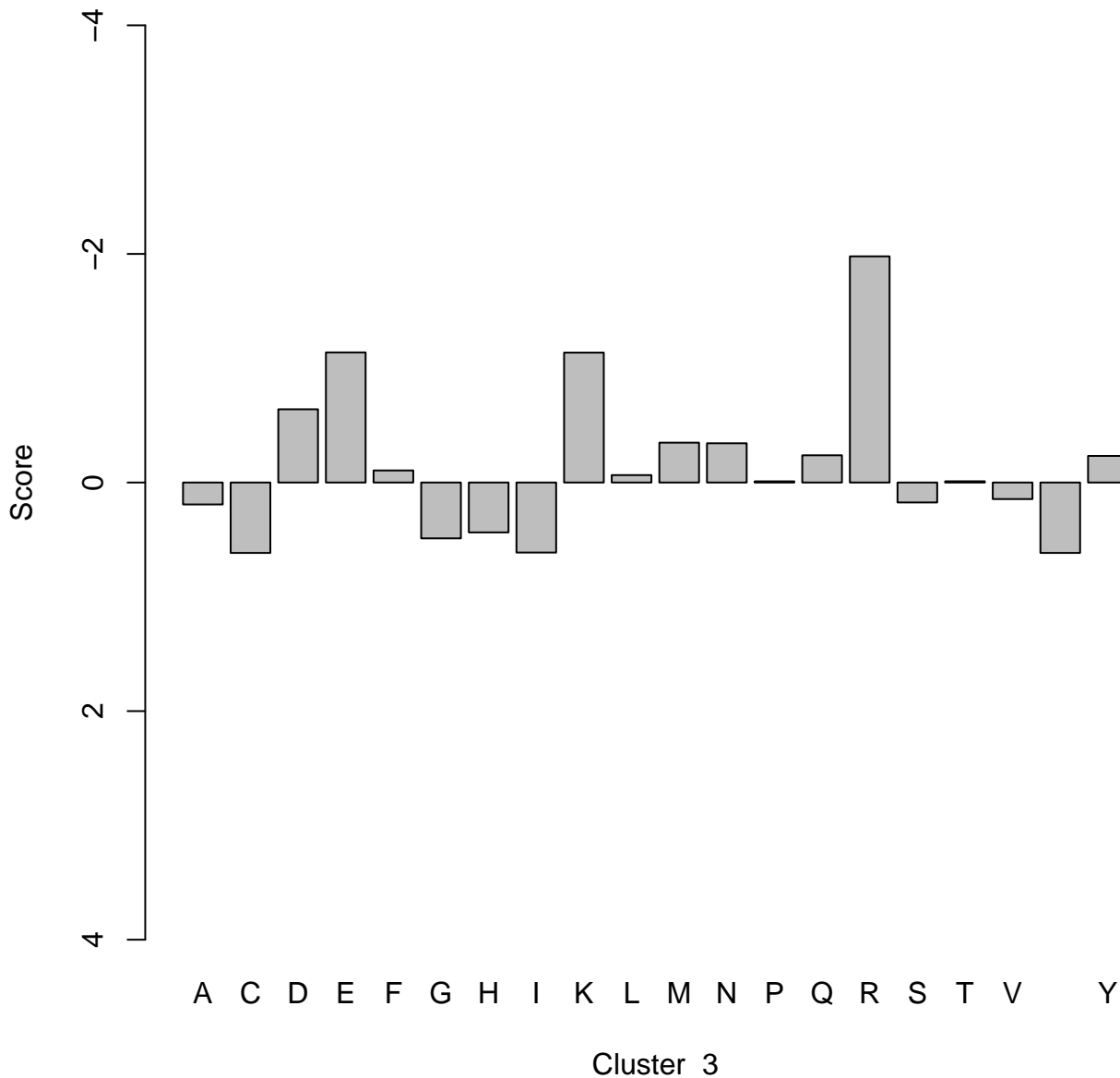
## Distribution des scores (Méthodes Kmeans)



## Distribution des scores (Méthodes Kmeans)

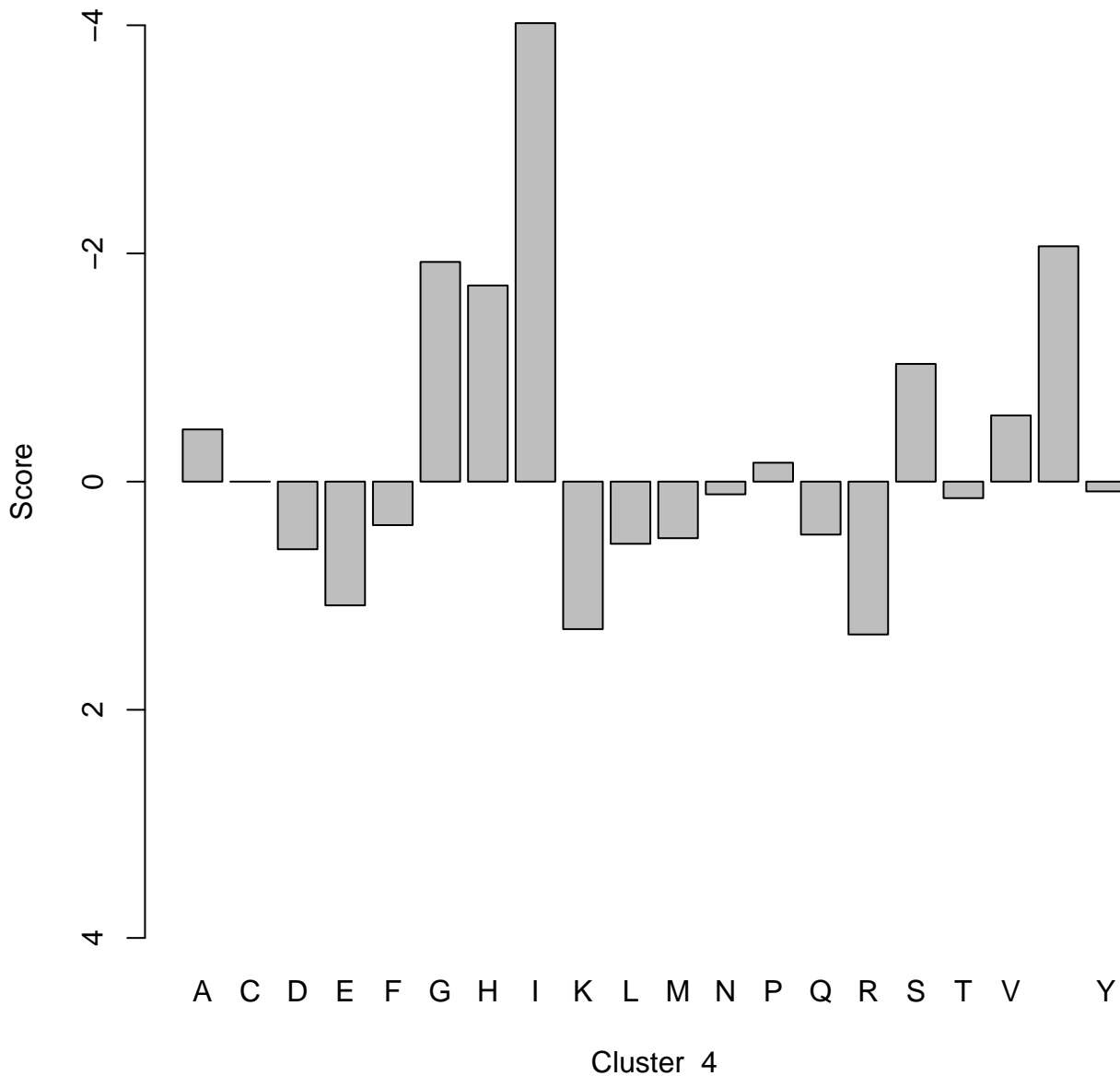


## Distribution des scores (Méthodes Kmeans)

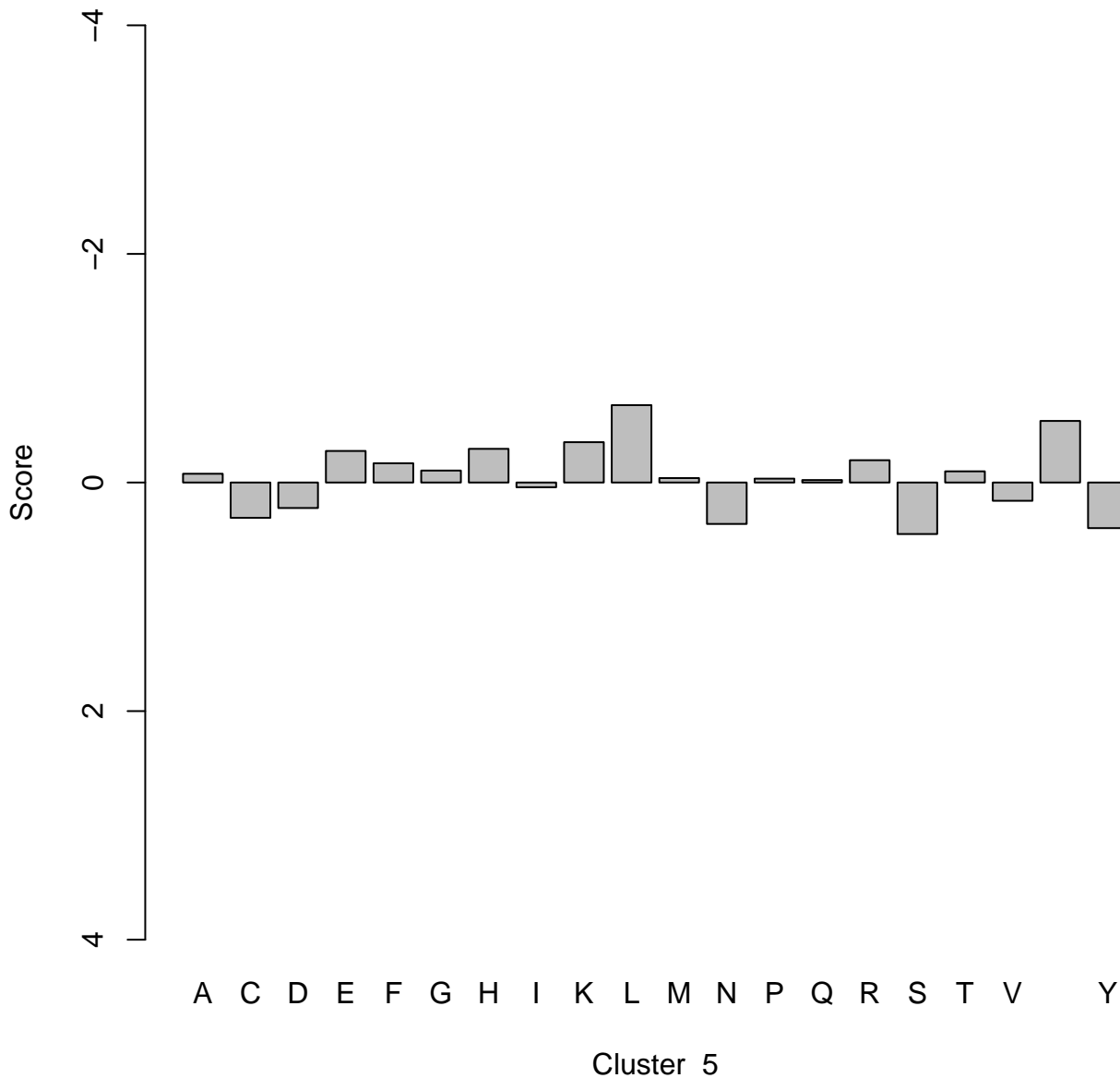




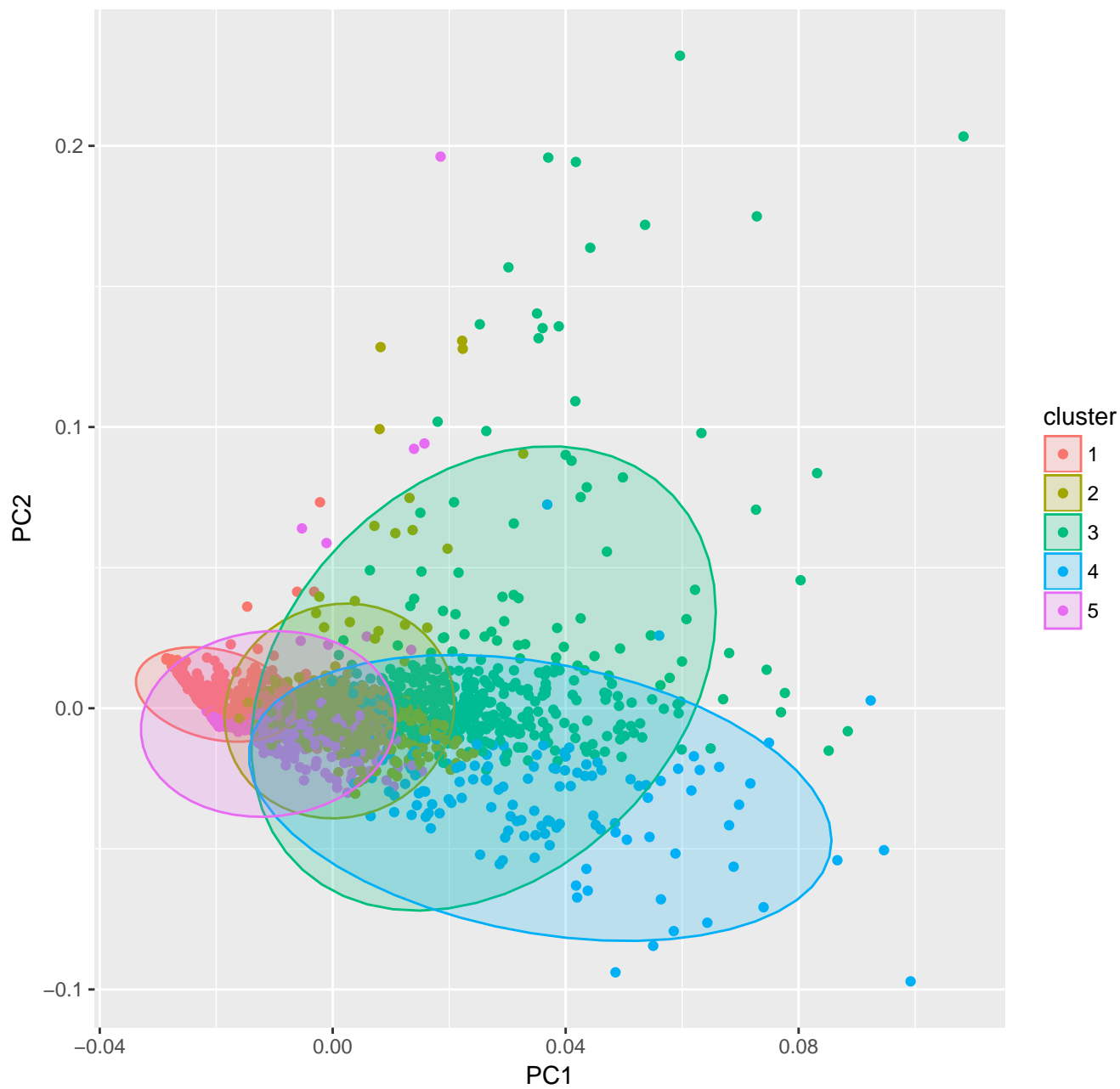
## Distribution des scores (Méthodes Kmeans)



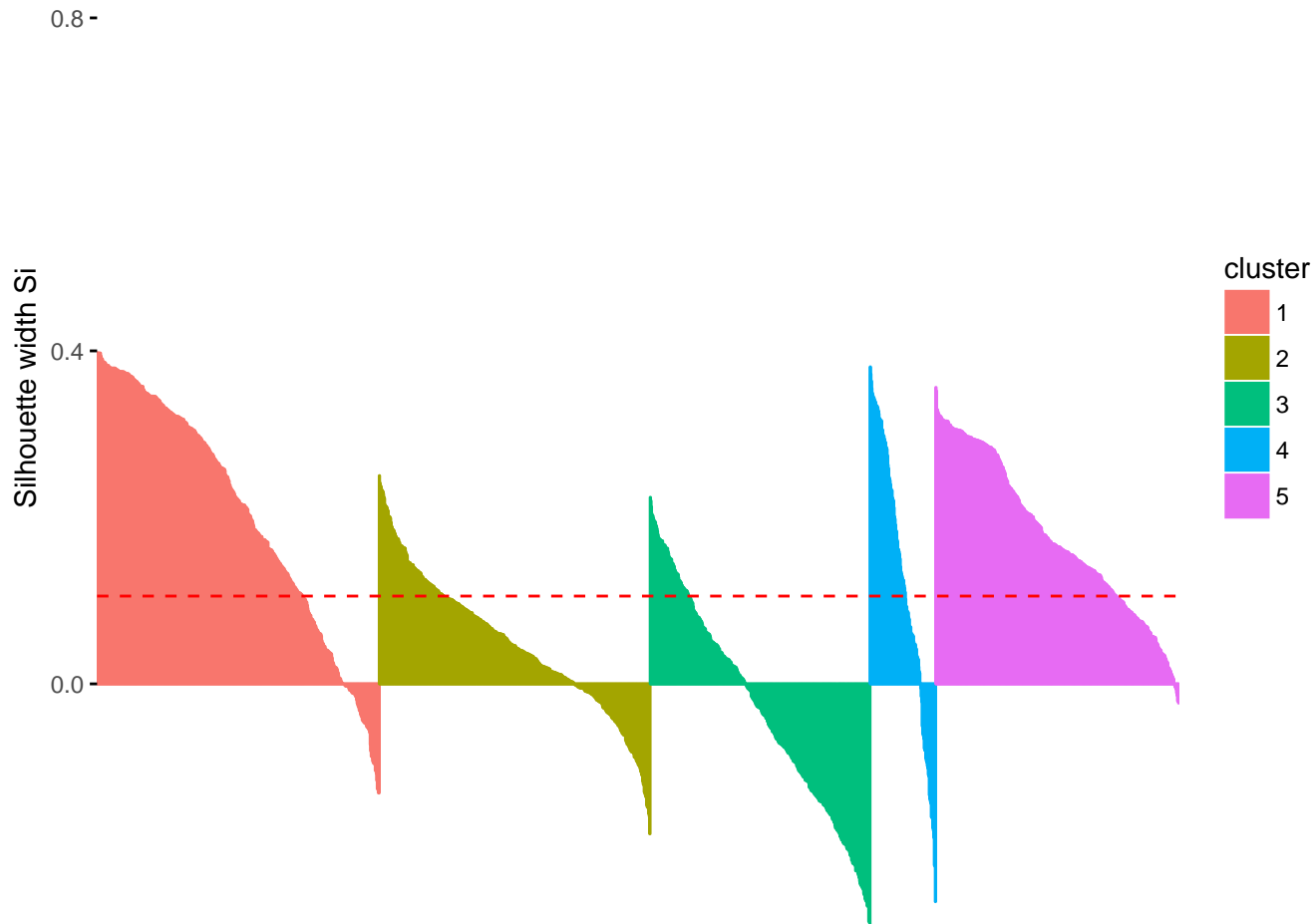
## Distribution des scores (Méthodes Kmeans)



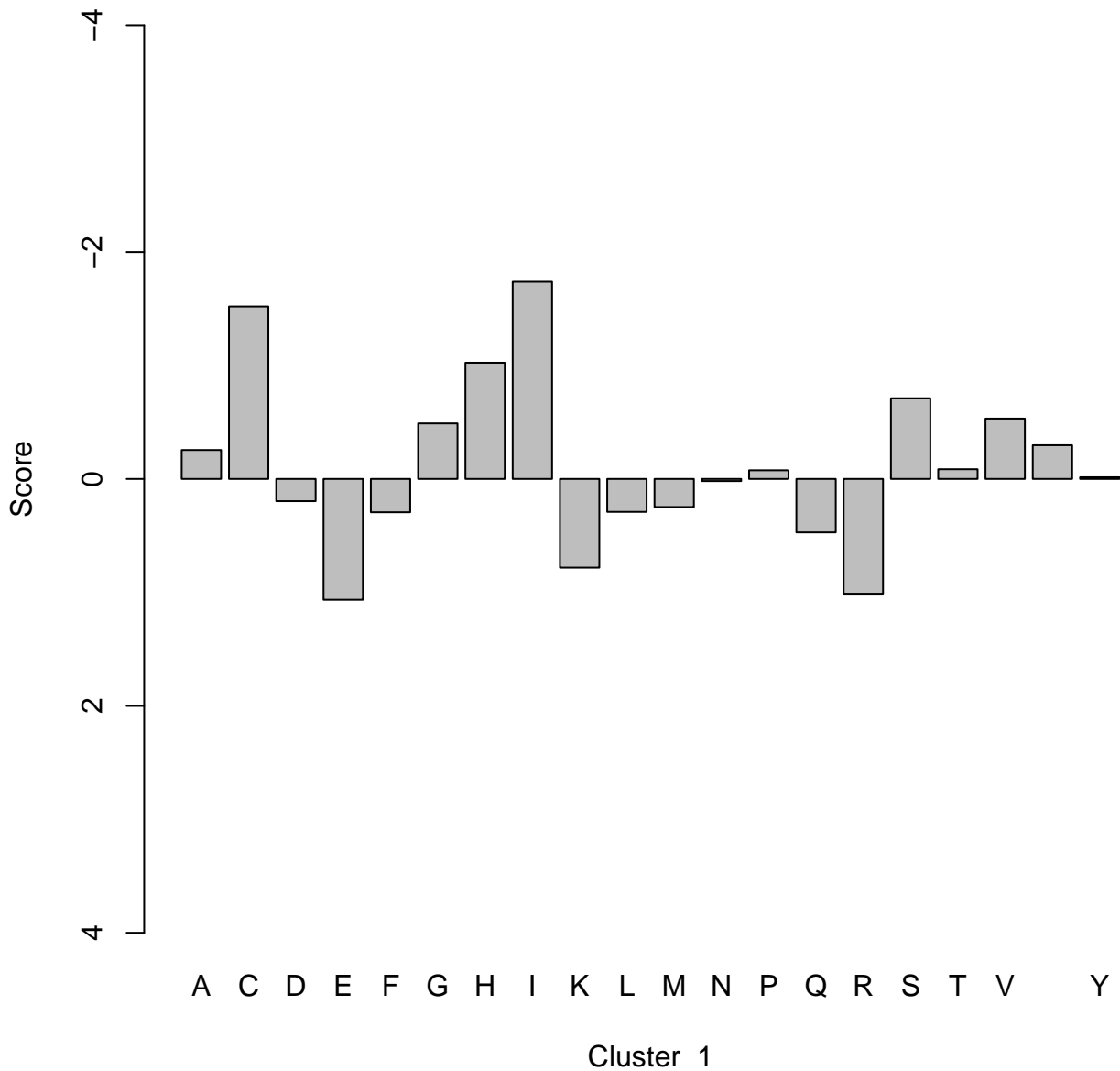
Clustering par Kmedoid(PAM)



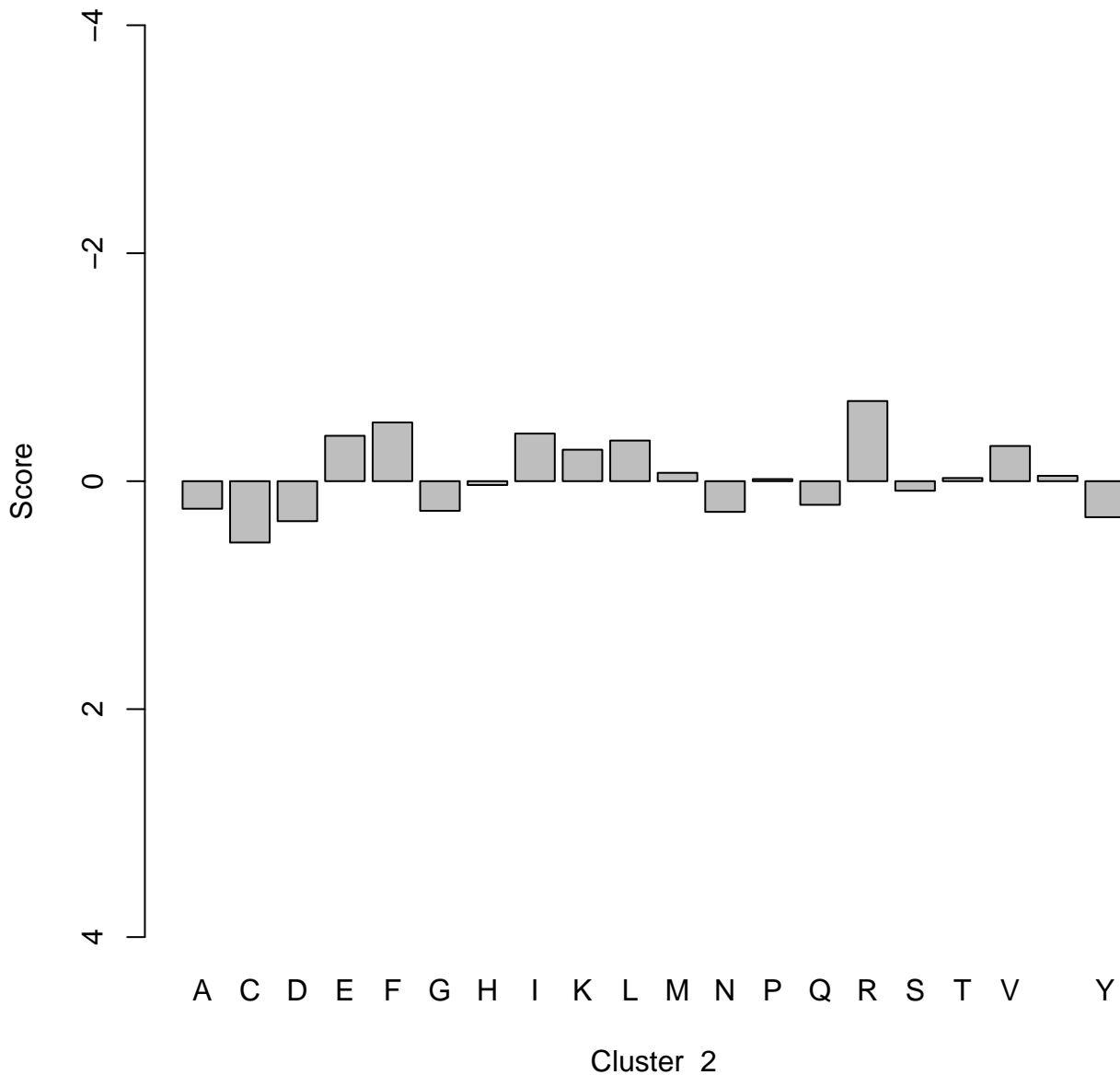
Clusters silhouette plot  
Average silhouette width: 0.11



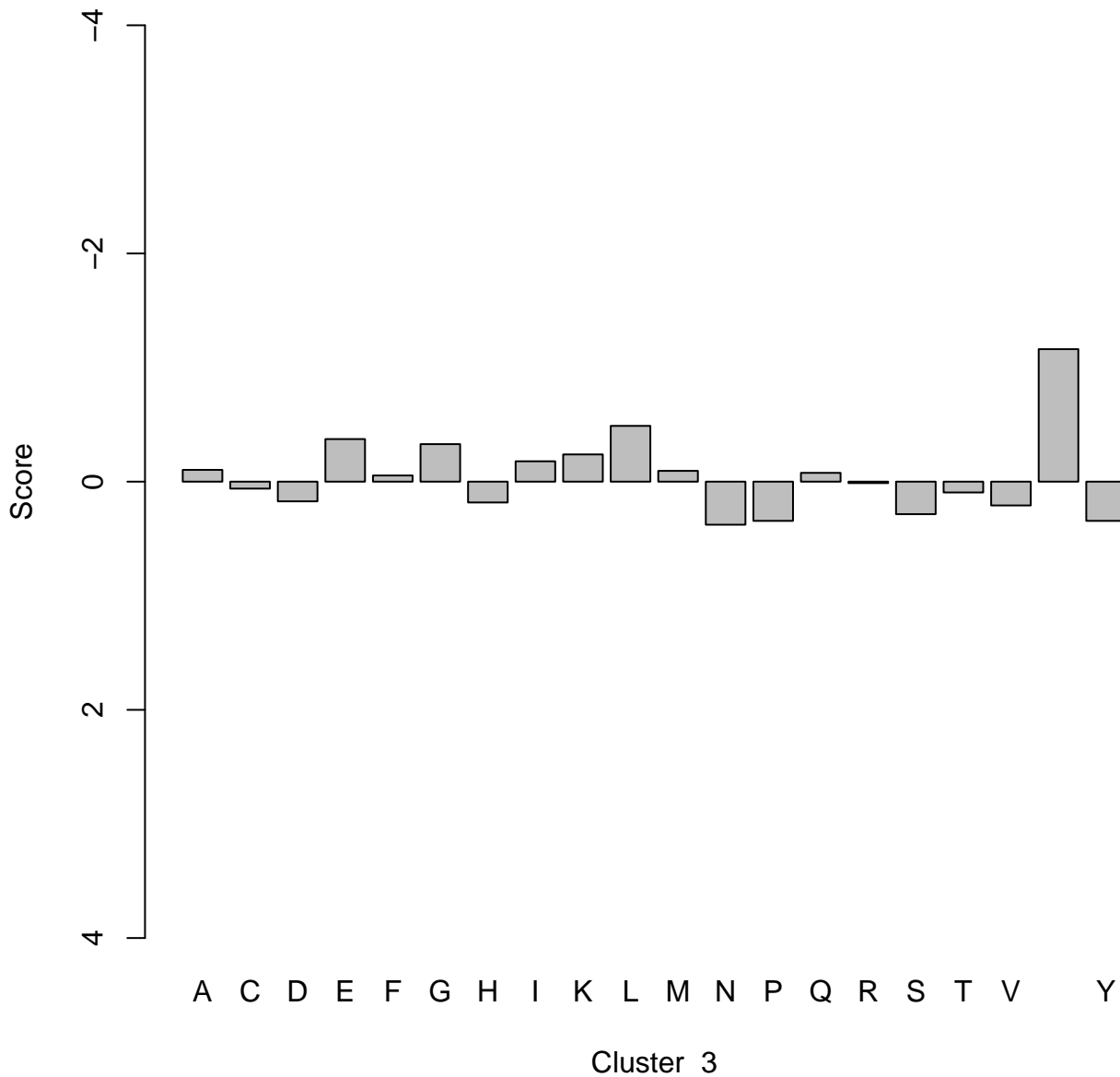
## Distribution des scores (Méthode PAM)



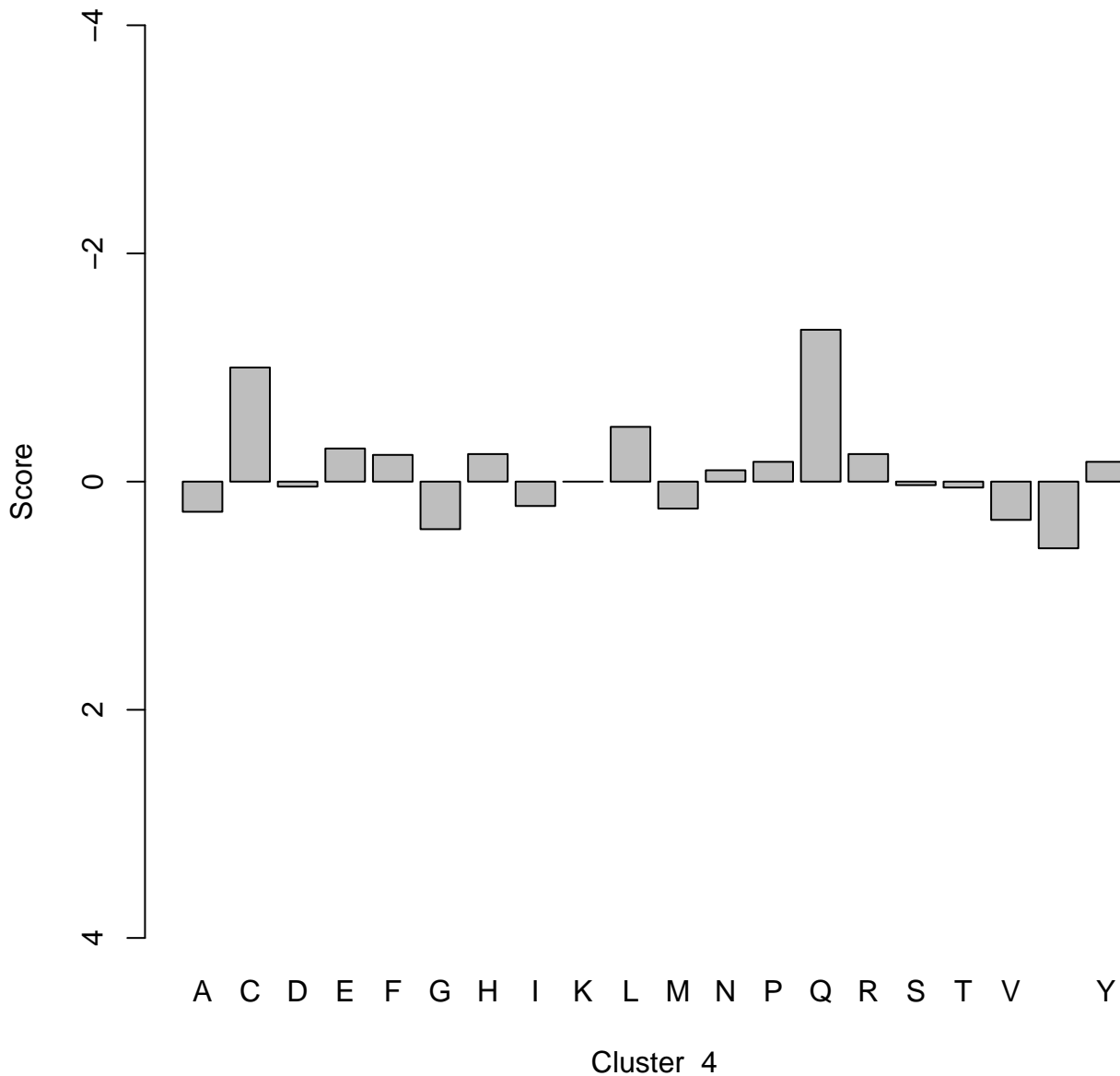
## Distribution des scores (Méthode PAM)



# Distribution des scores (Méthode PAM)

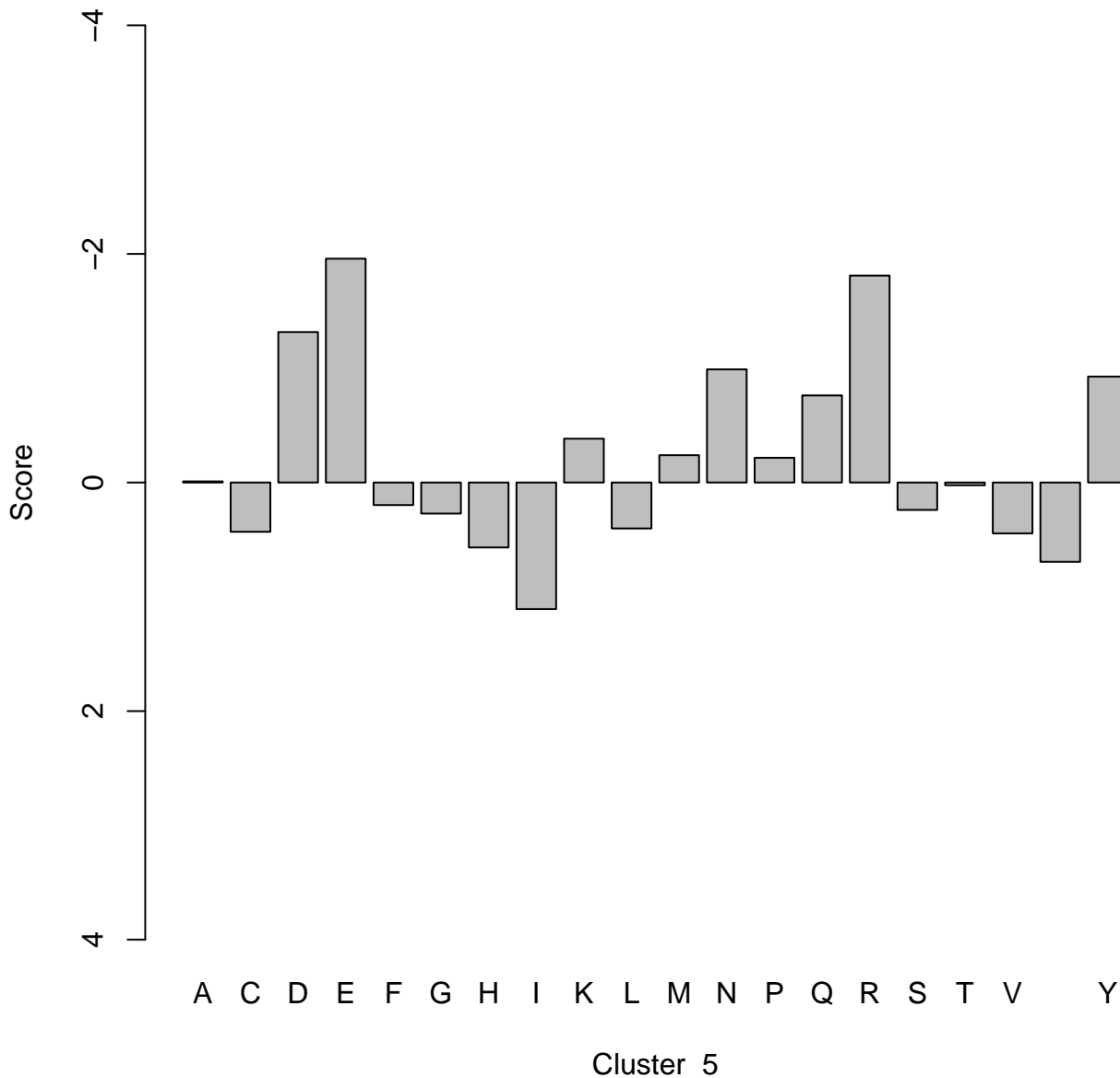


# Distribution des scores (Méthode PAM)

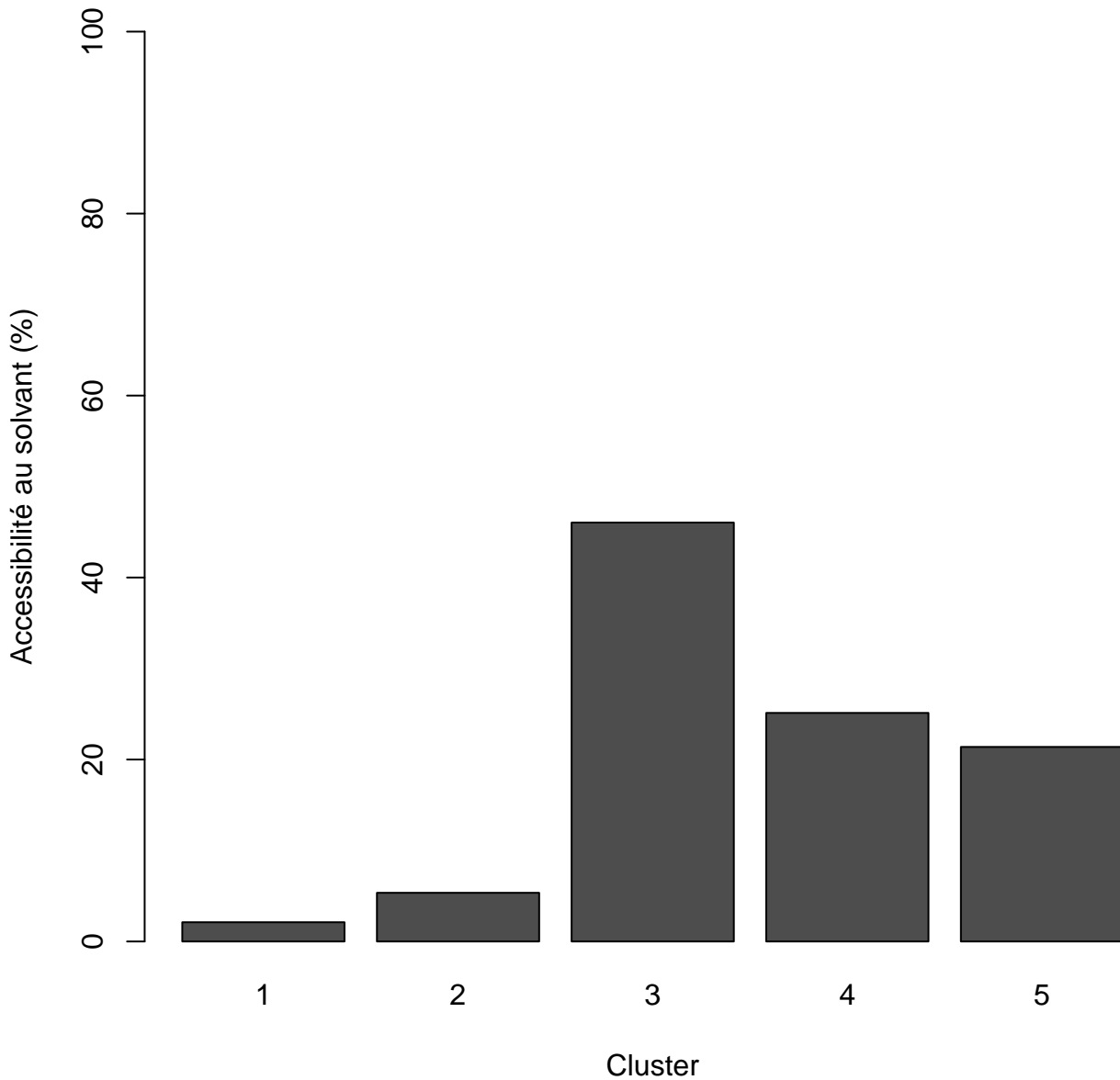




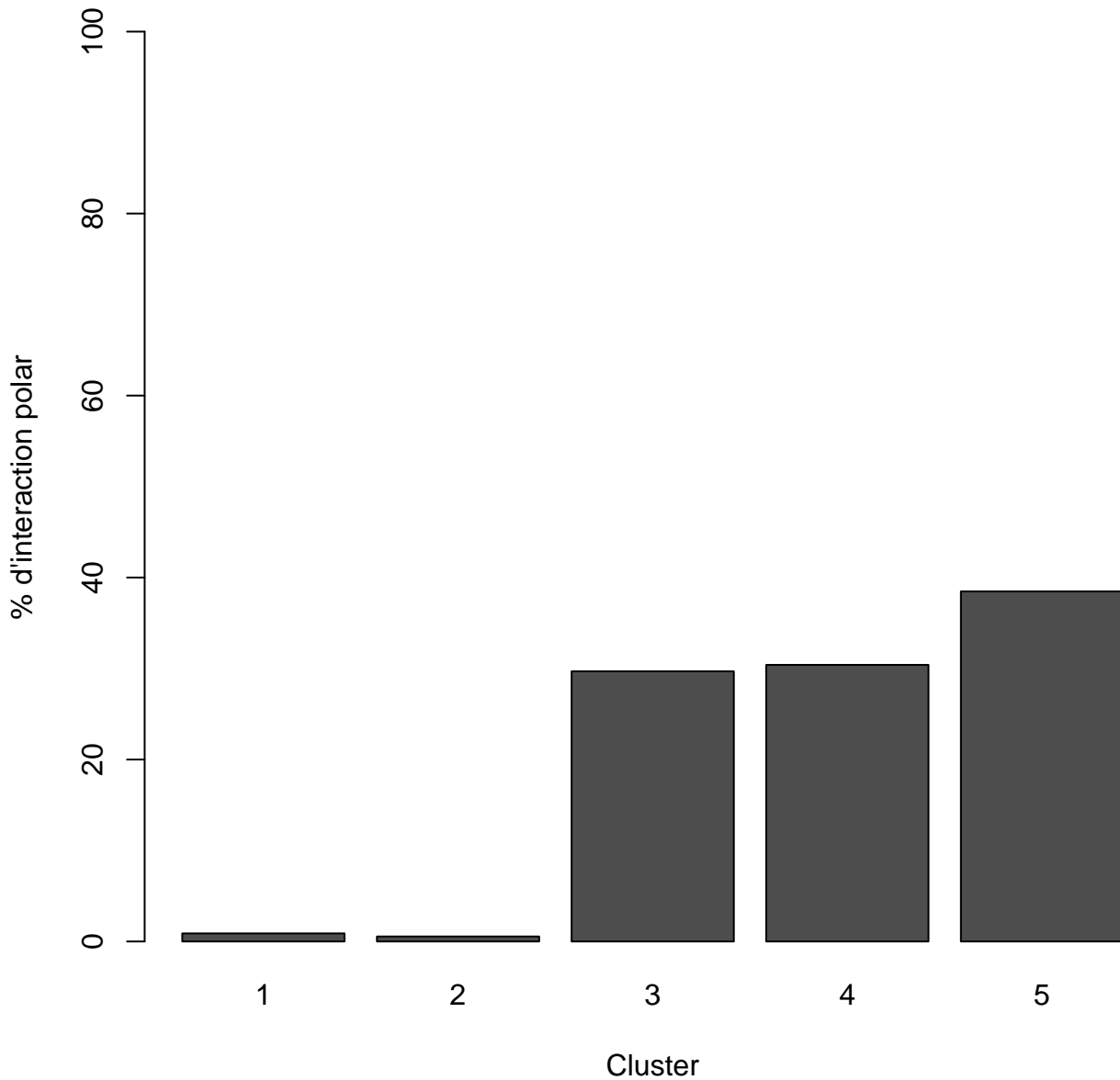
# Distribution des scores (Méthode PAM)



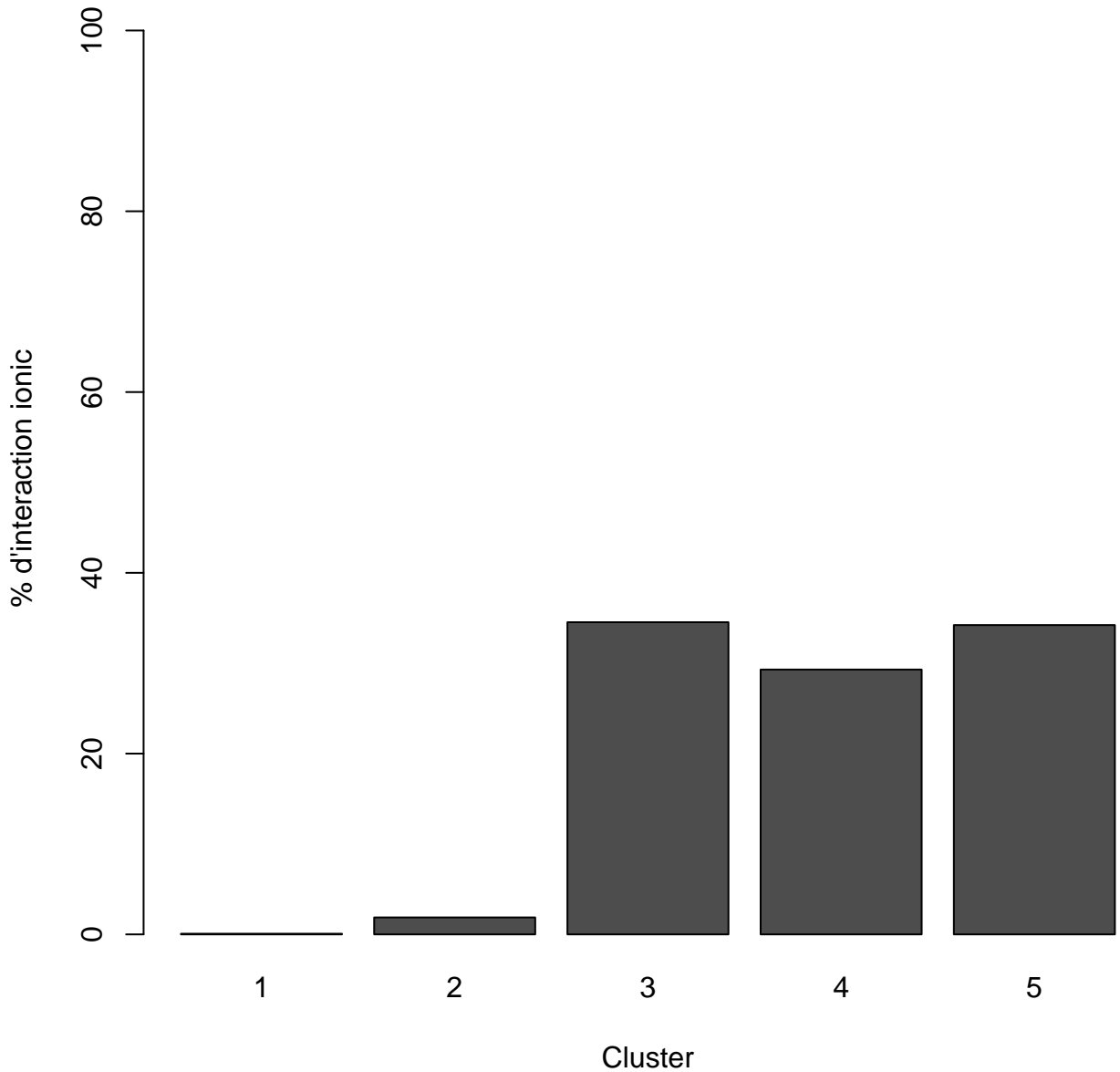
## Accessibilité au solvant (%) Kmeans



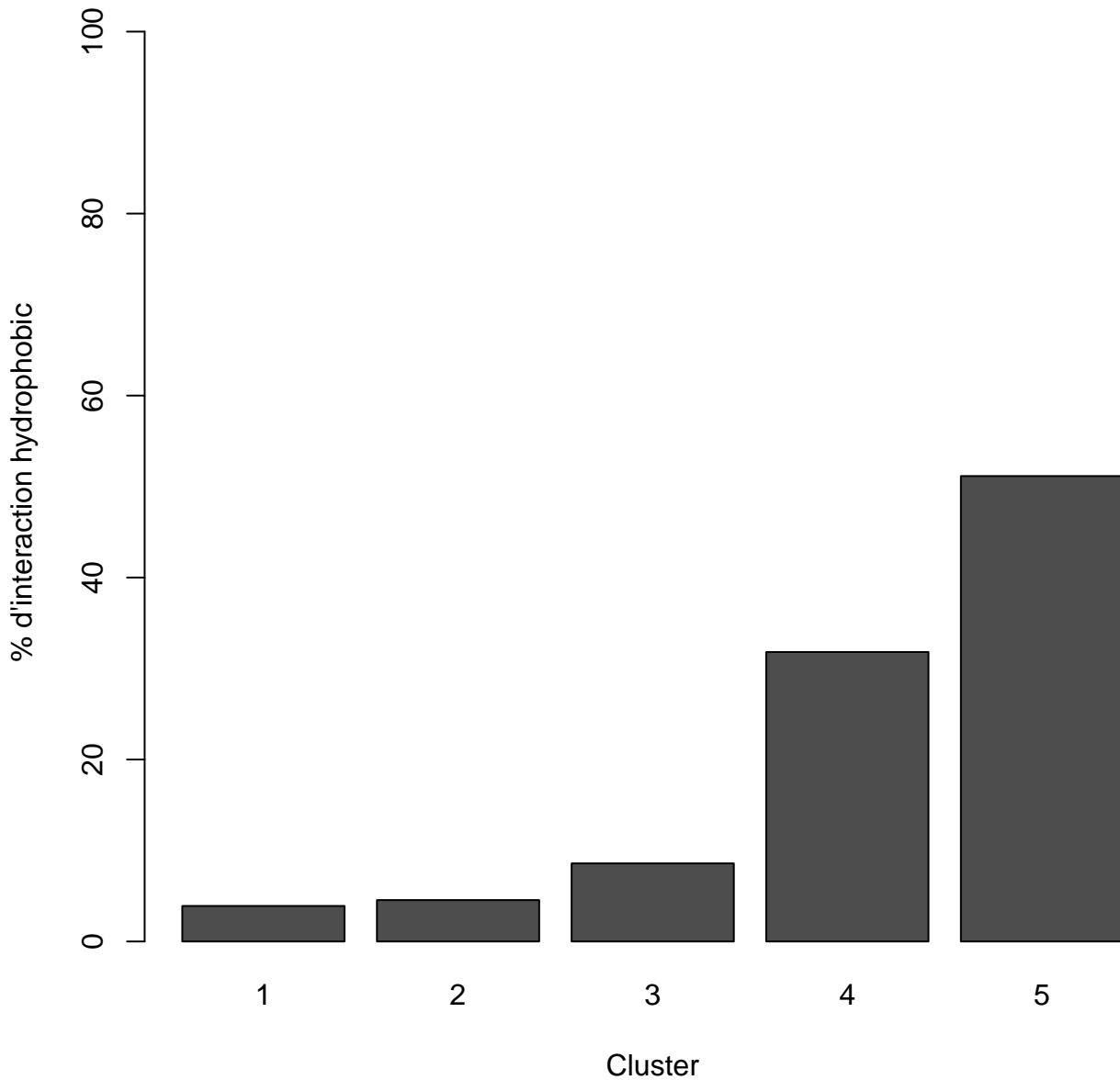
# **% d'interaction polar Kmeans**



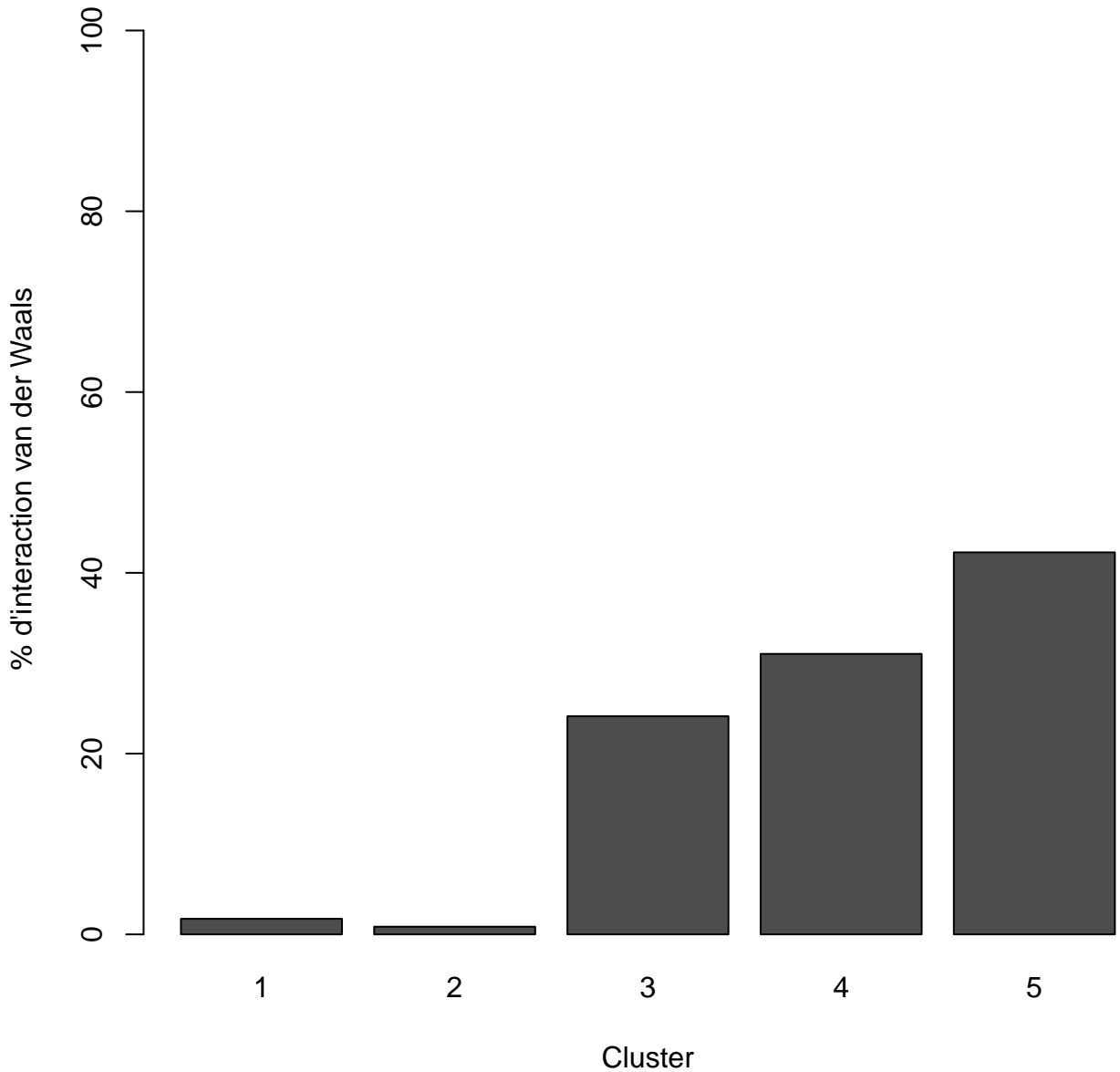
# **% d'interaction ionic Kmeans**



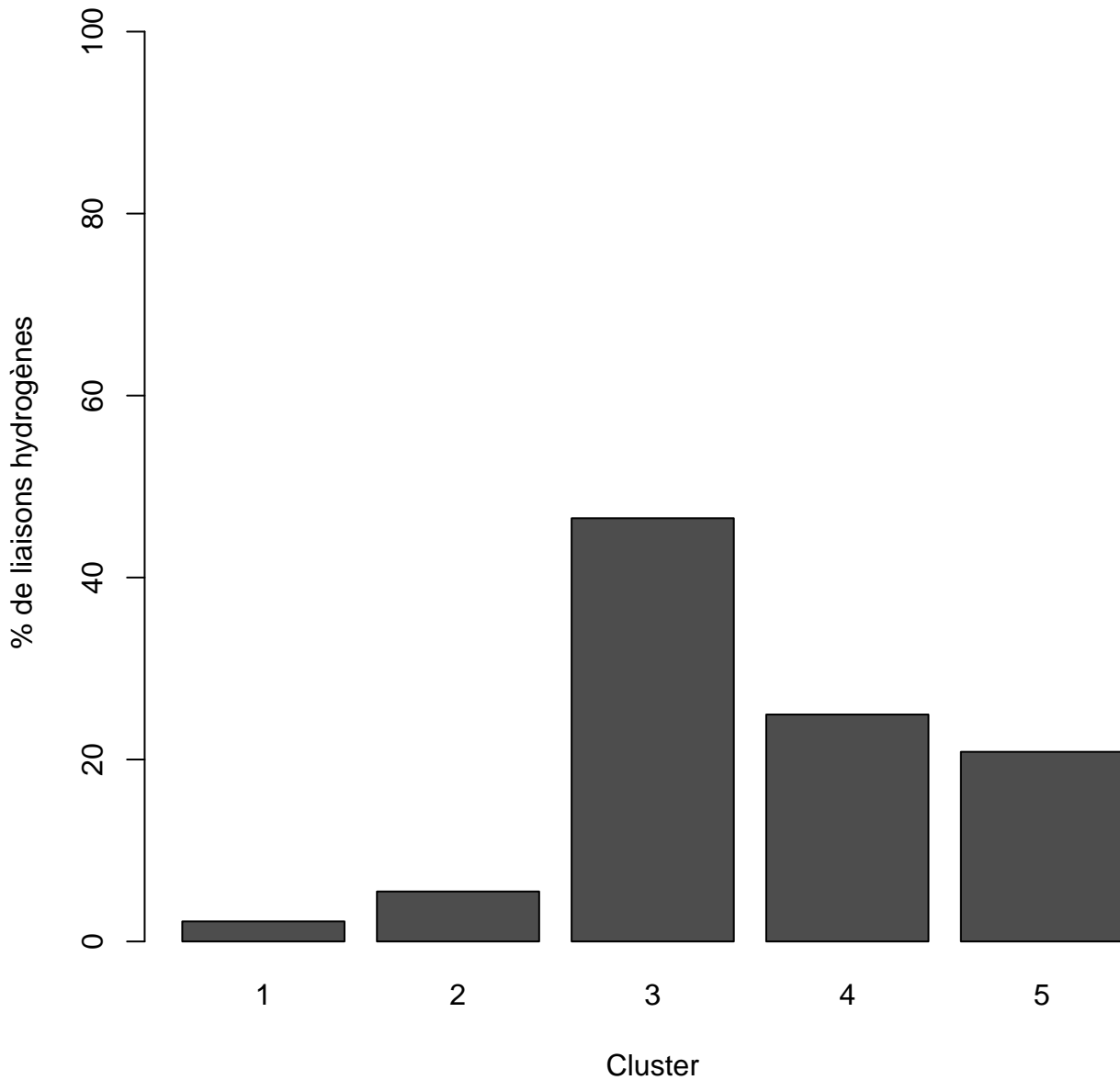
**% d'interaction hydrophobic Kmeans**



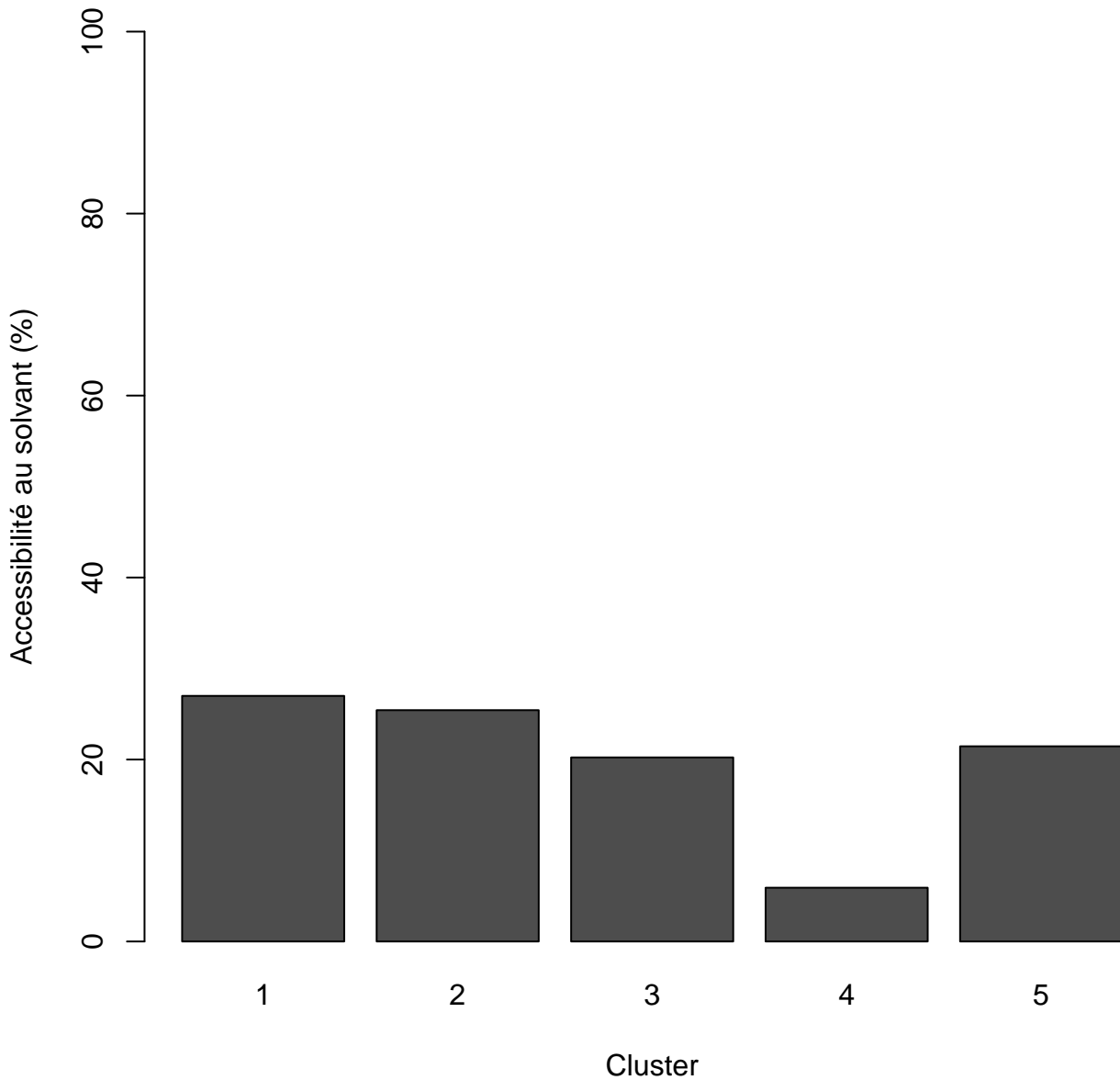
## % d'interaction van der Waals Kmeans



## % de liaisons hydrogènes Kmeans

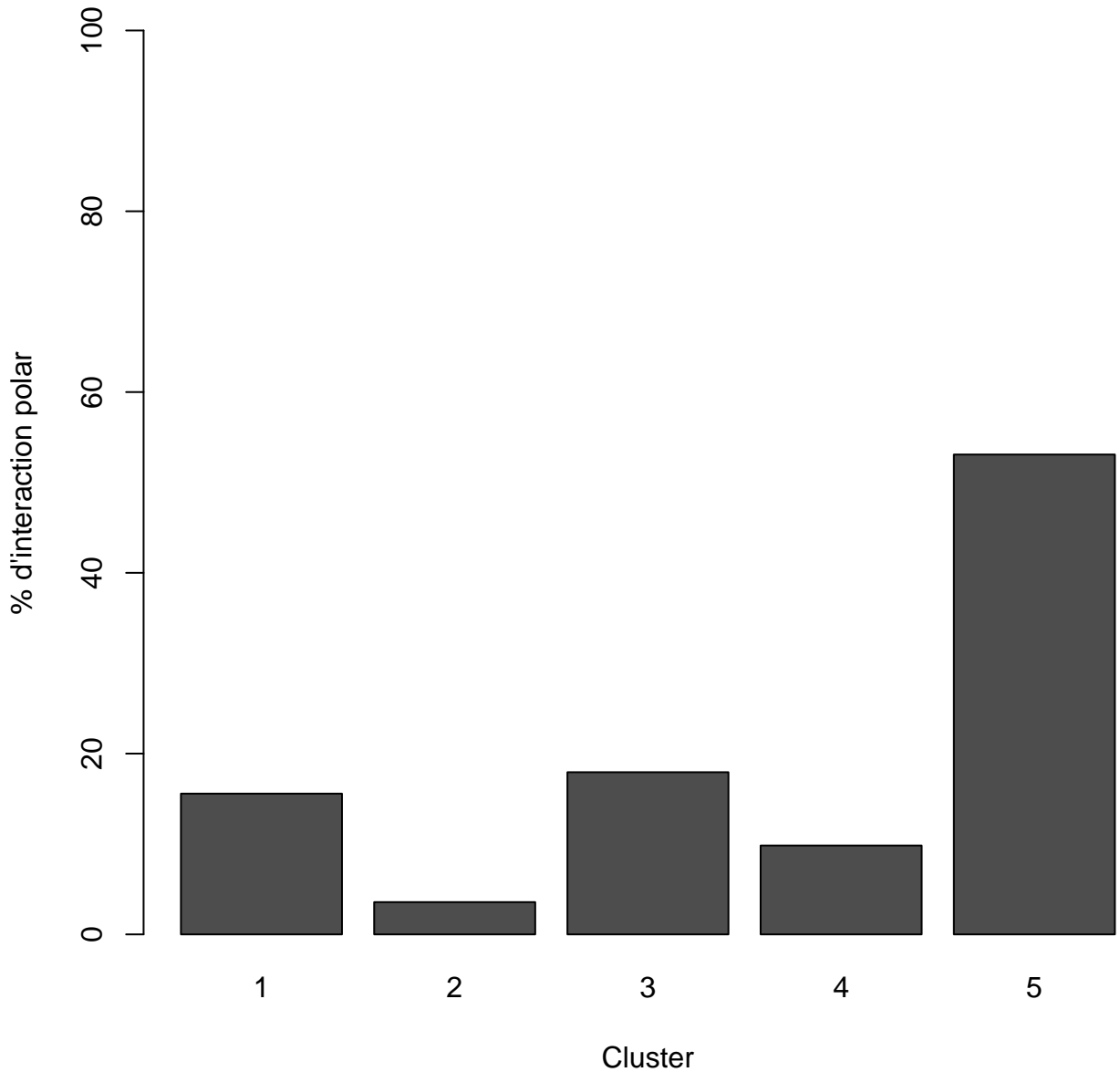


## Accessibilité au solvant (%) Kmedoid

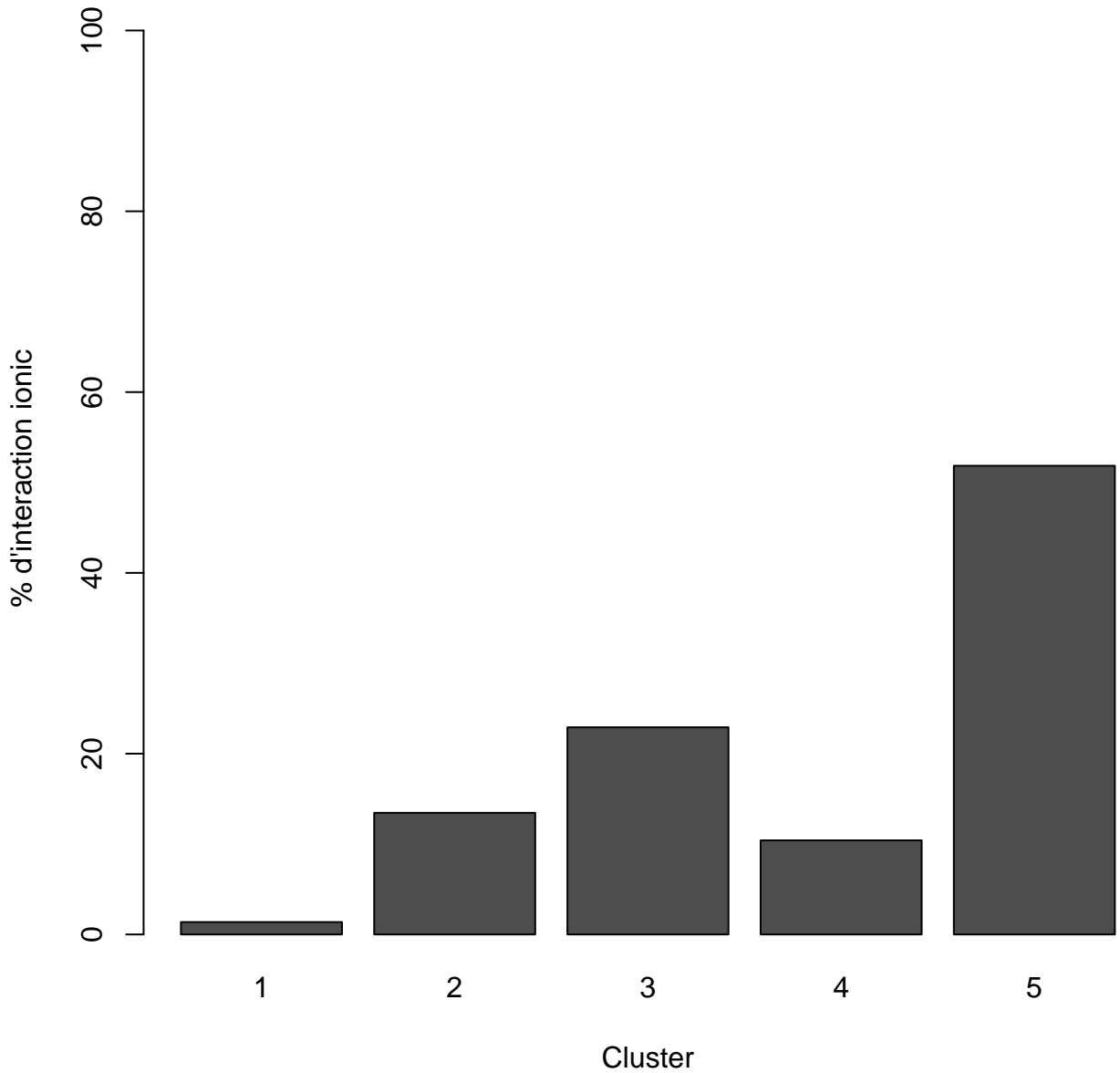




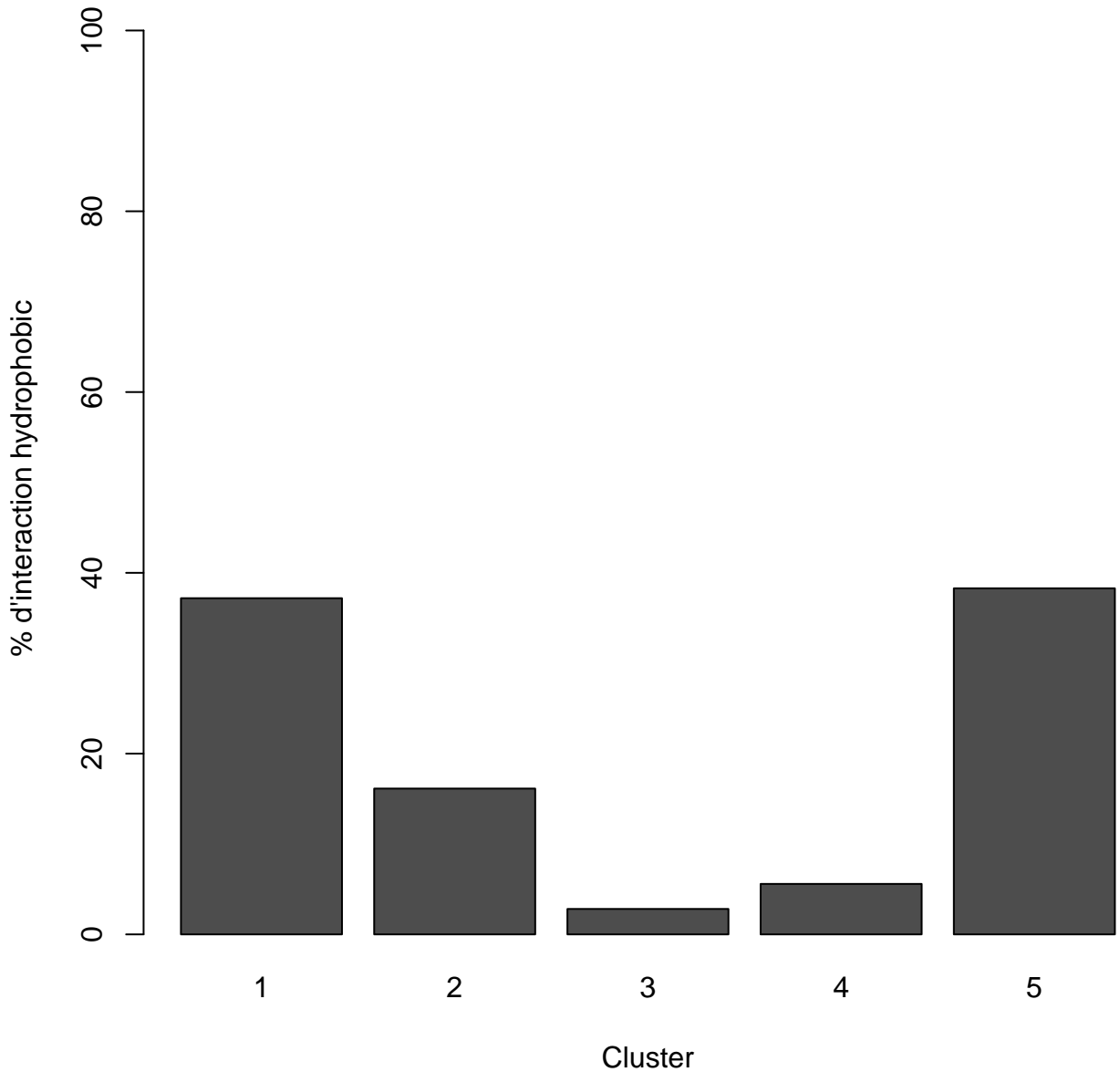
# **% d'interaction polar Kmedoid**



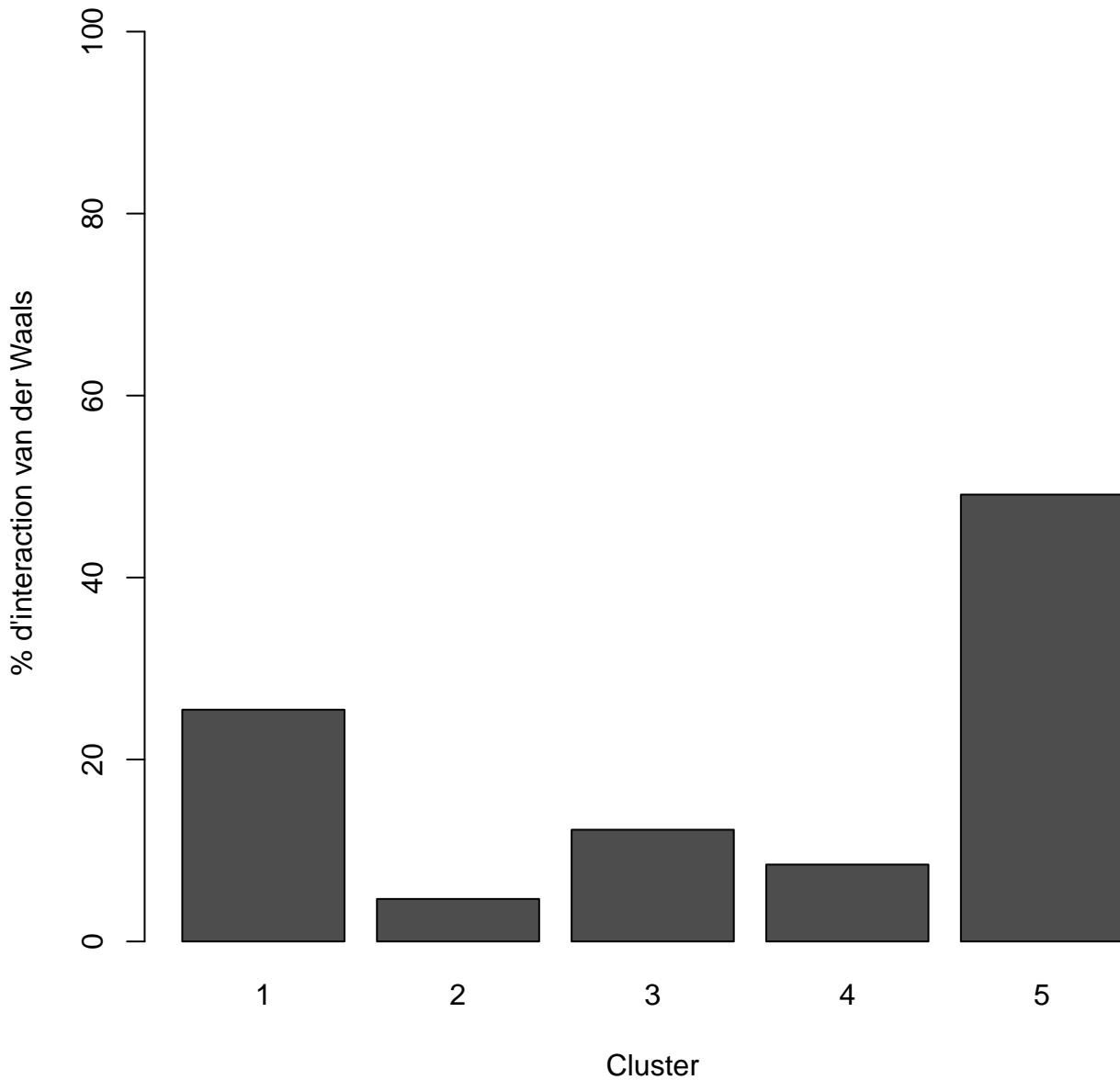
# **% d'interaction ionic Kmedoid**



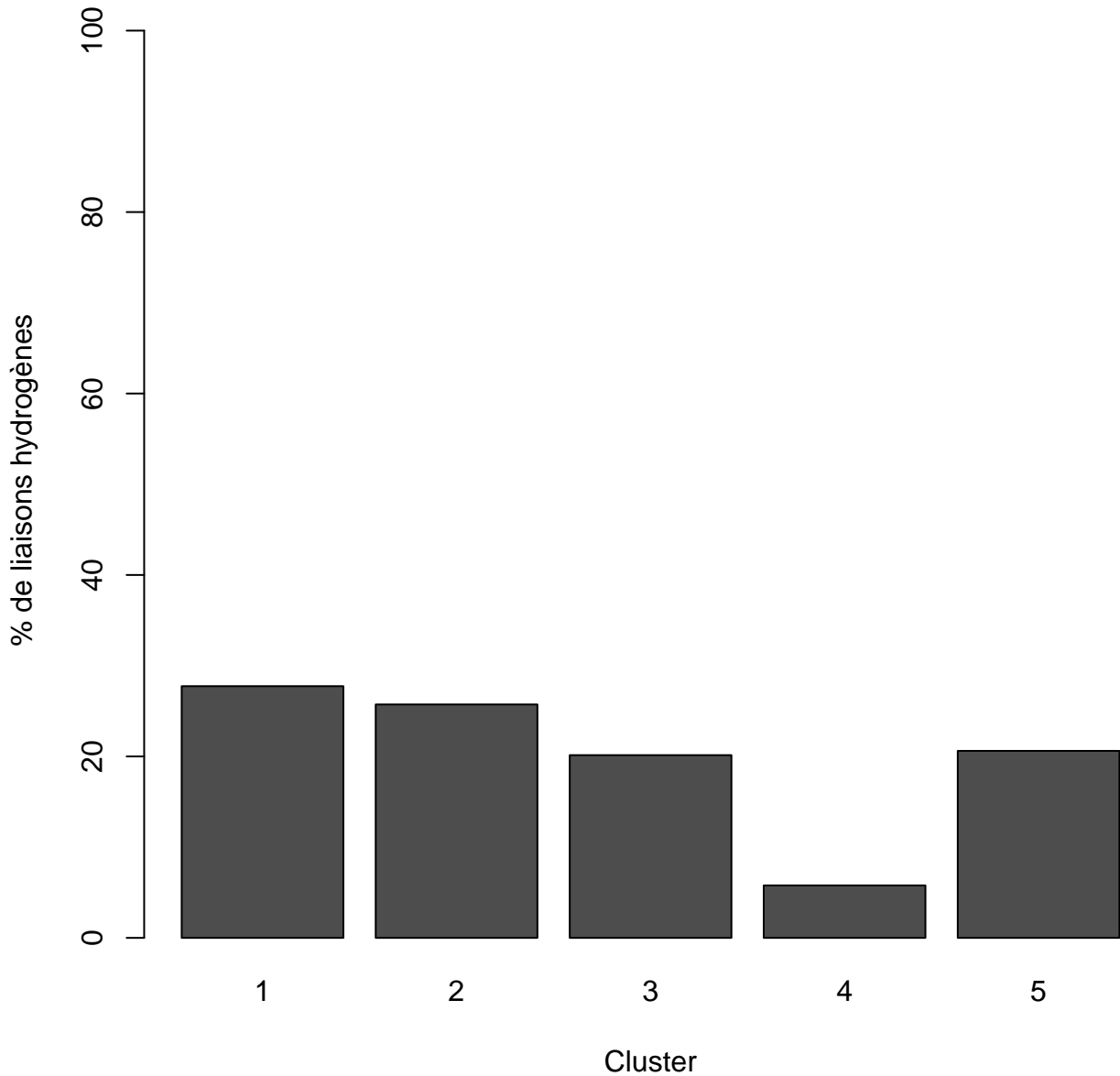
# % d'interaction hydrophobic Kmedoid



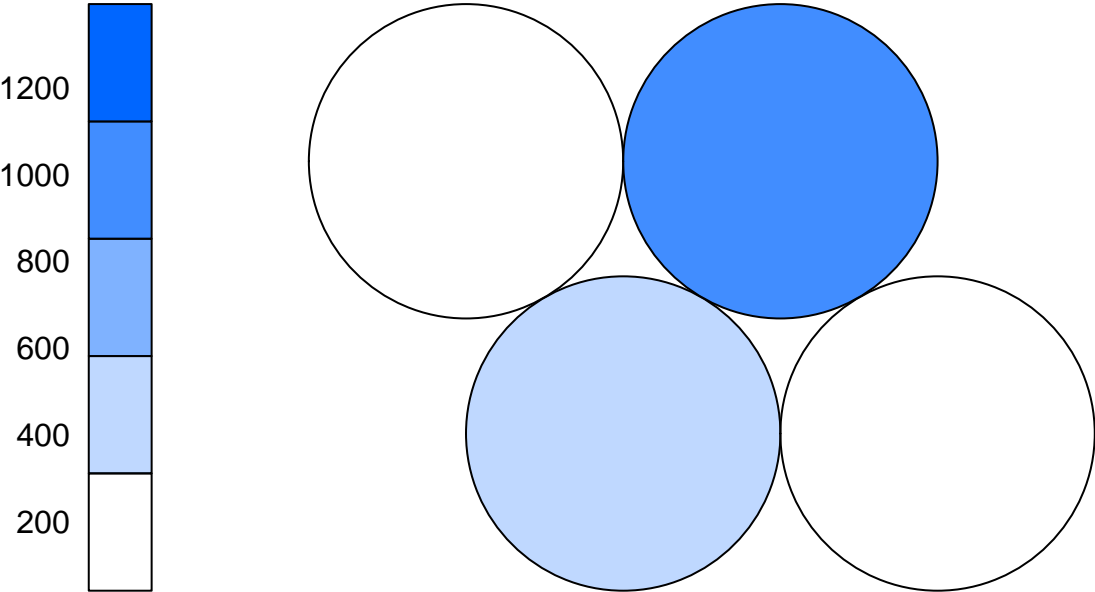
## % d'interaction van der Waals Kmedoid



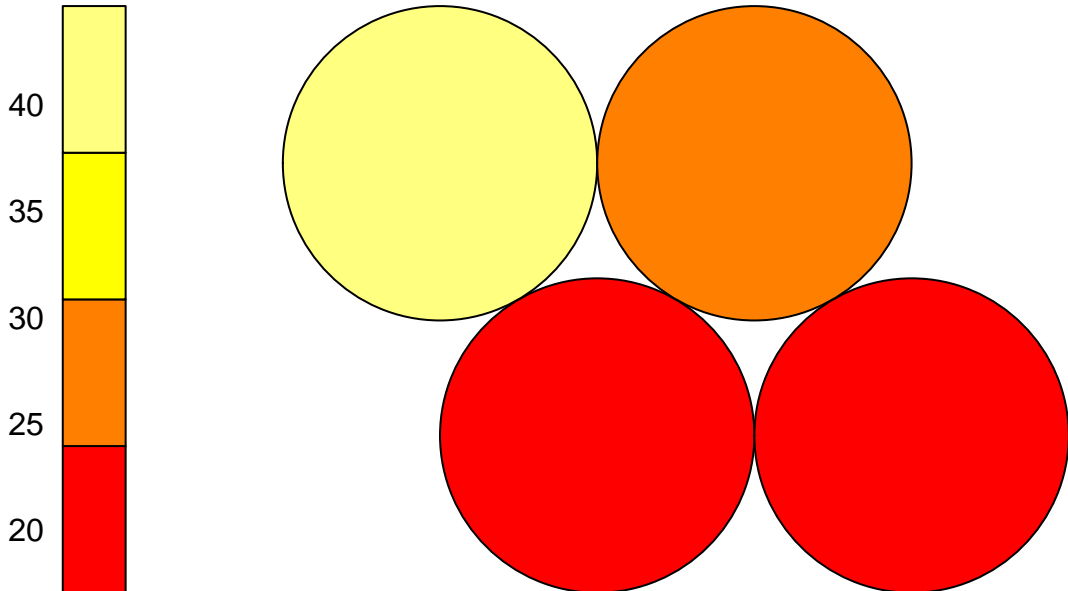
## % de liaisons hydrogènes Kmedoid



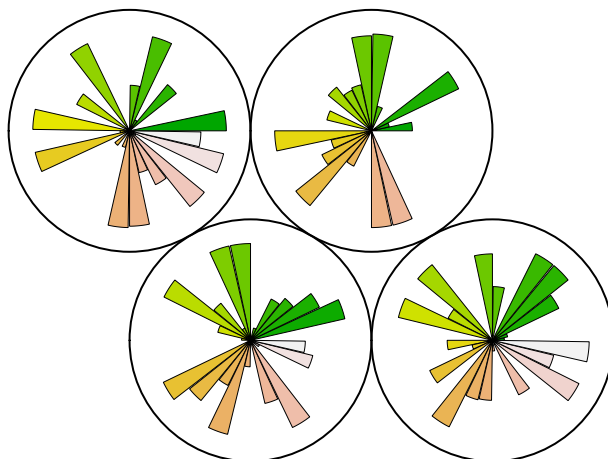
**Carte de Kohonen n= 4**



## Neighbour distance plot



# Codes plot

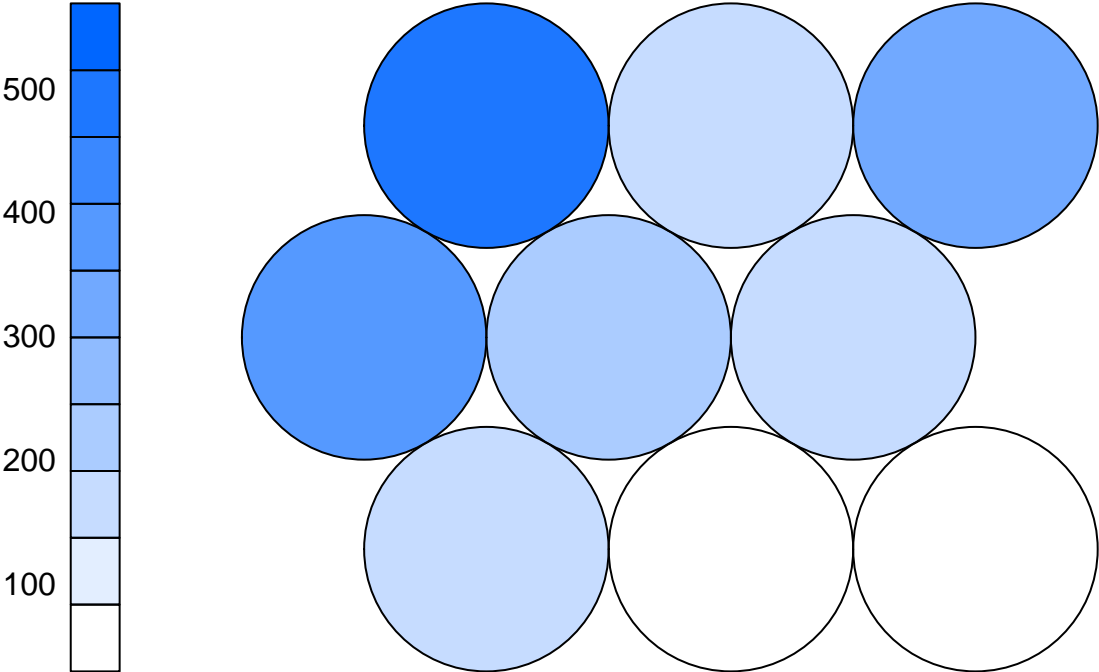


H_ss	h_PB
B_ss	i_PB
E_ss	j_PB
G_ss	k_PB
T_ss	l_PB
S_ss	m_PB
ACC	n_PB
a_PB	o_PB
b_PB	p_PB
c_PB	polar
d_PB	ionic
e_PB	hydrophobic
f_PB	vdw
g_PB	hydrogenB

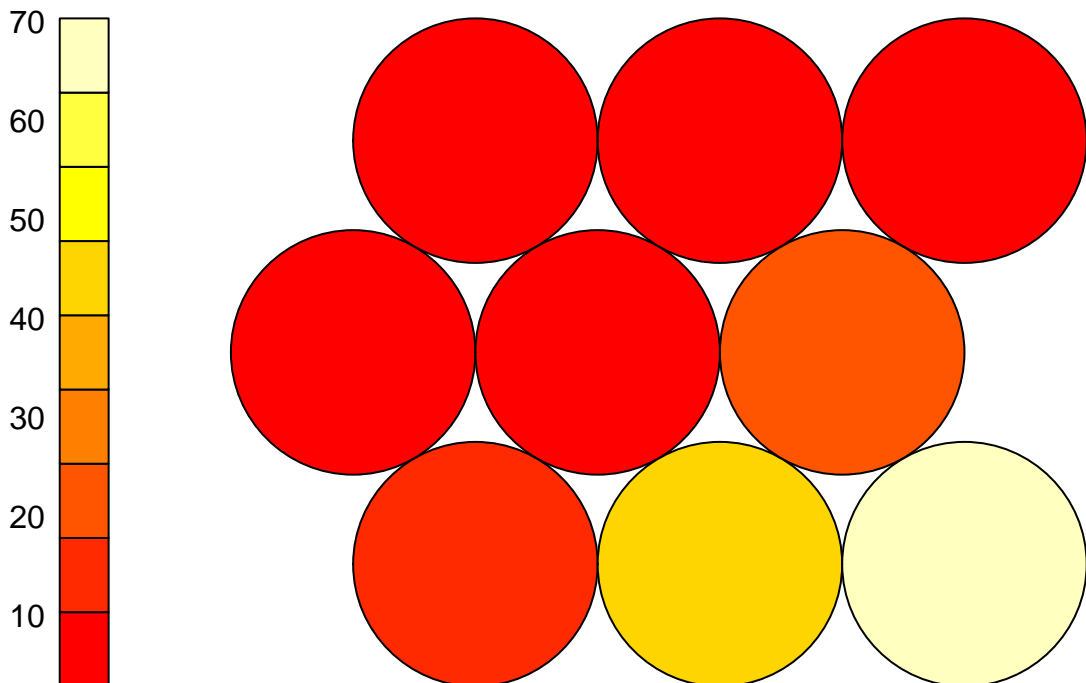




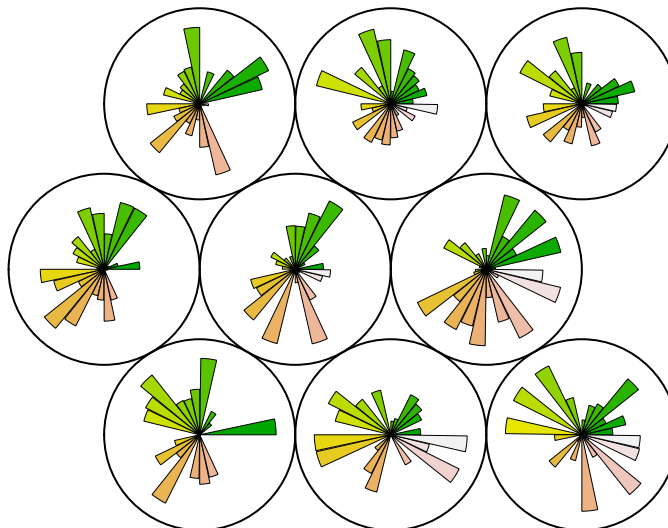
**Carte de Kohonen n= 9**



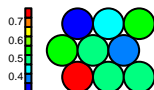
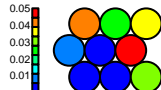
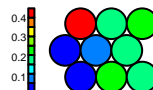
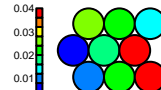
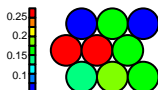
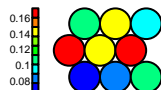
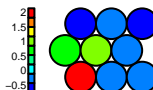
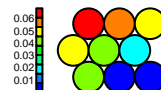
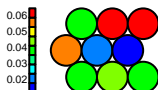
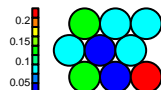
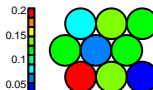
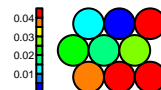
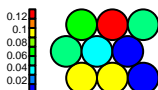
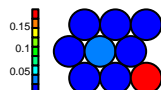
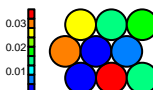
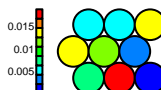
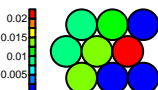
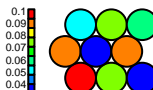
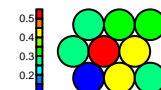
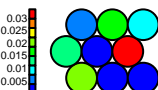
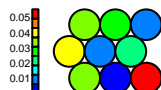
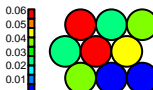
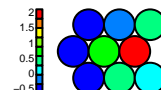
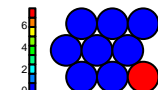
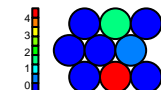
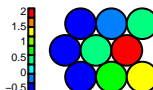
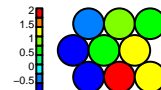
## Neighbour distance plot



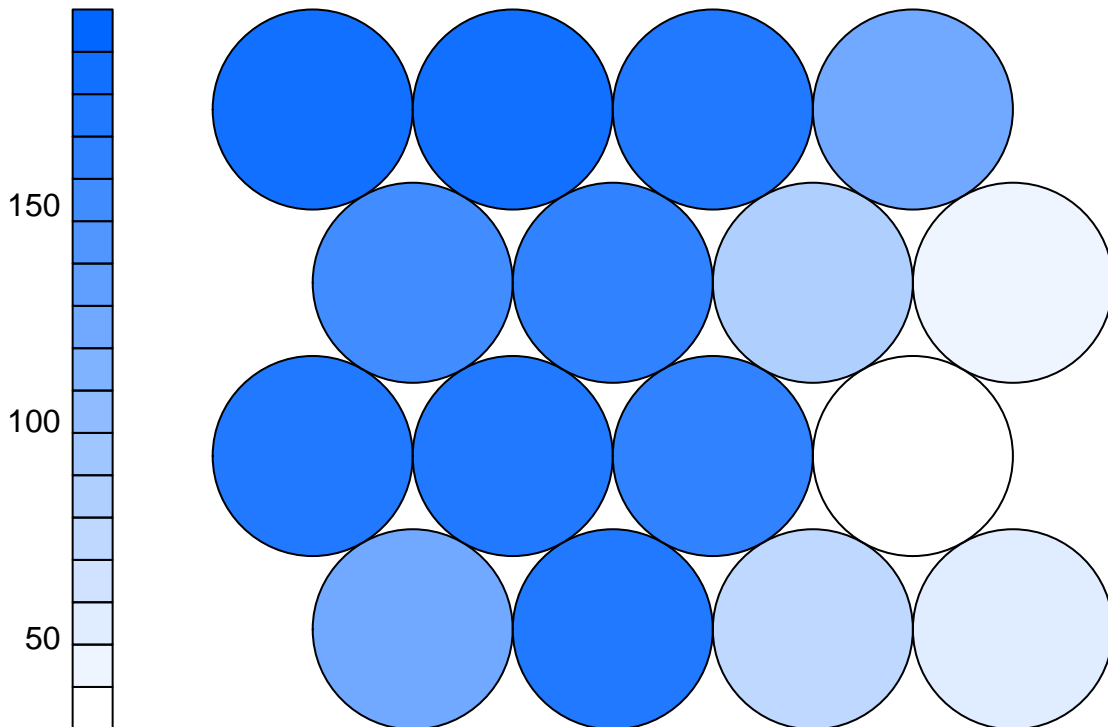
# Codes plot



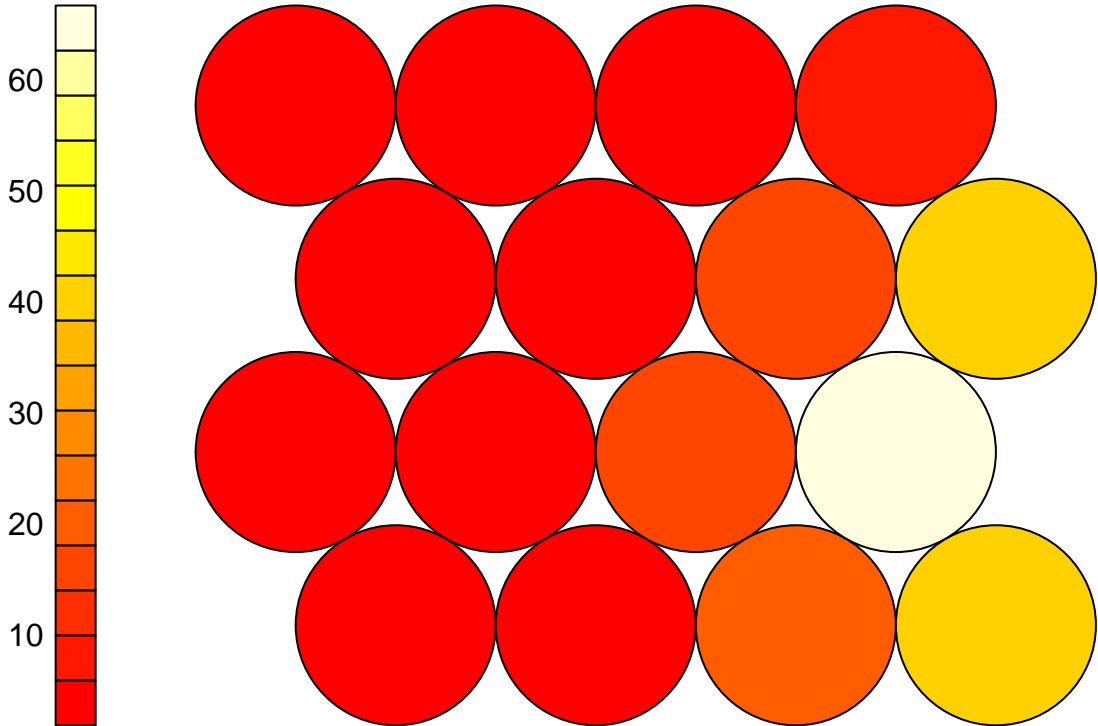
■ H_ss	■ h_PB
■ B_ss	■ i_PB
■ E_ss	■ j_PB
■ G_ss	■ k_PB
■ T_ss	■ l_PB
■ S_ss	■ m_PB
■ ACC	■ n_PB
■ a_PB	■ o_PB
■ b_PB	■ p_PB
■ c_PB	■ polar
■ d_PB	■ ionic
■ e_PB	■ hydrophobic
■ f_PB	■ vdw
■ g_PB	■ hydrogenB

**H\_ss****B\_ss****E\_ss****G\_ss****T\_ss****S\_ss****ACC****a\_PB****b\_PB****c\_PB****d\_PB****e\_PB****f\_PB****g\_PB****h\_PB****i\_PB****j\_PB****k\_PB****l\_PB****m\_PB****n\_PB****o\_PB****p\_PB****polar****ionic****hydrophobic****vdw****hydrogenB**

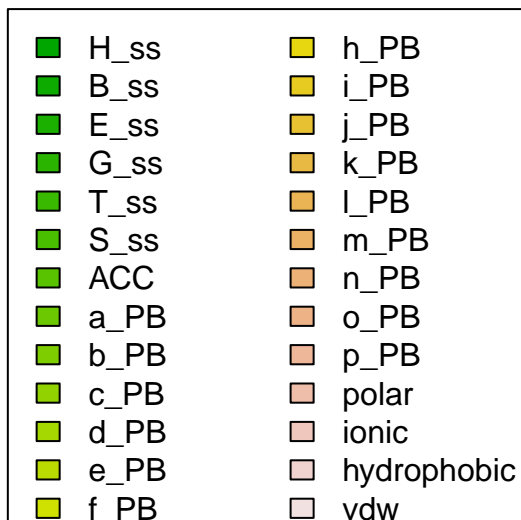
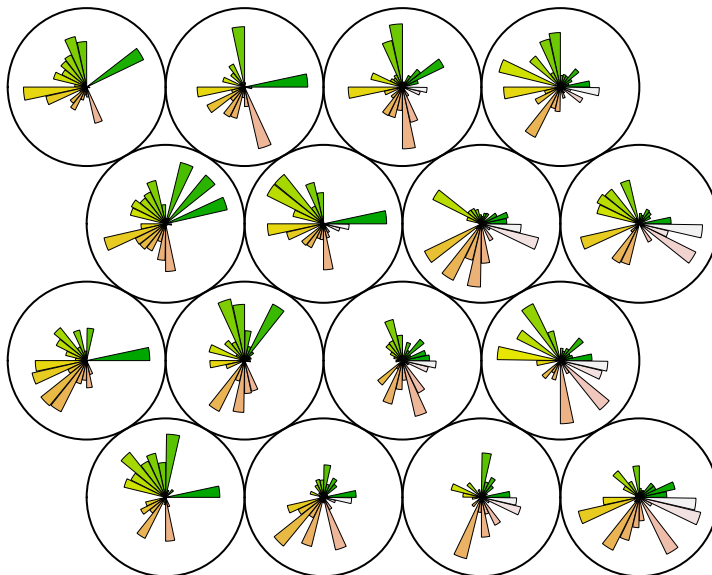
**Carte de Kohonen n= 16**



**Neighbour distance plot**



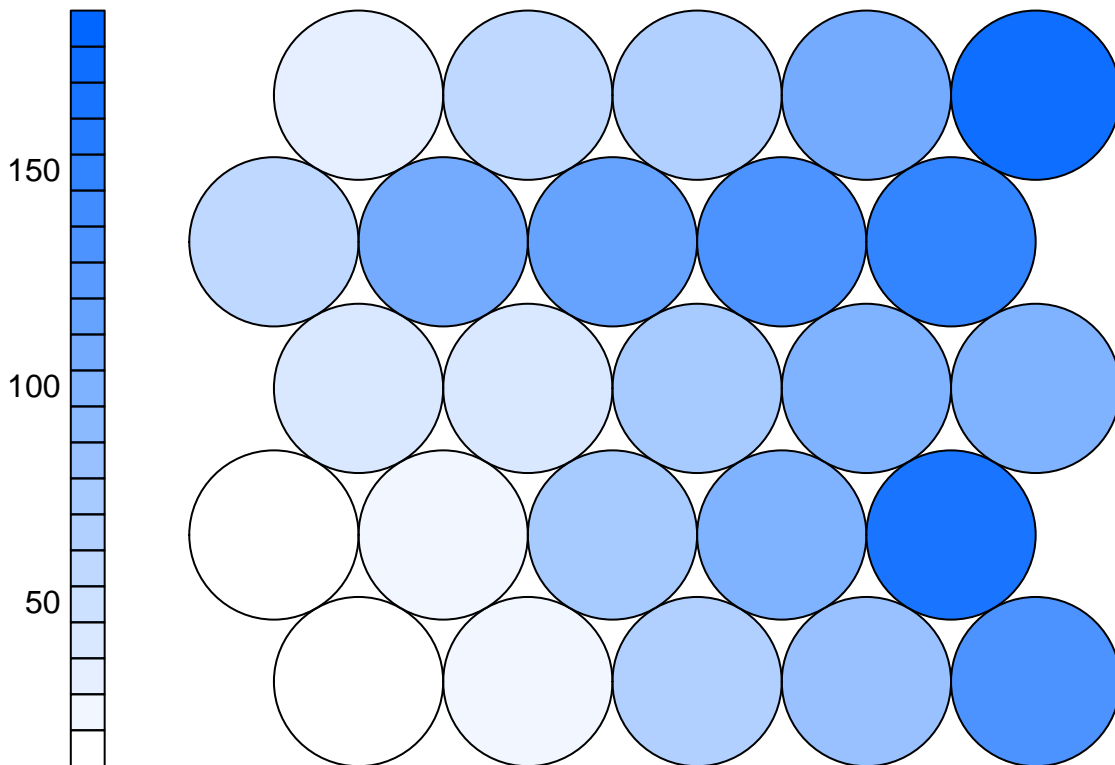
# Codes plot



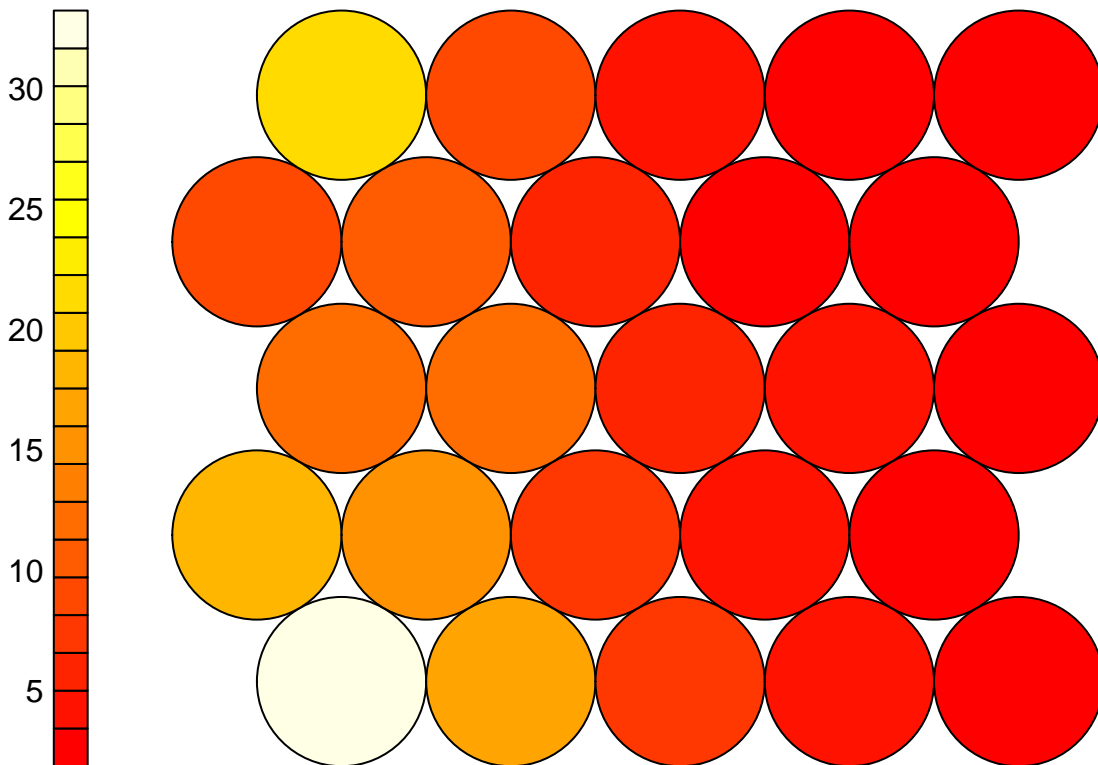




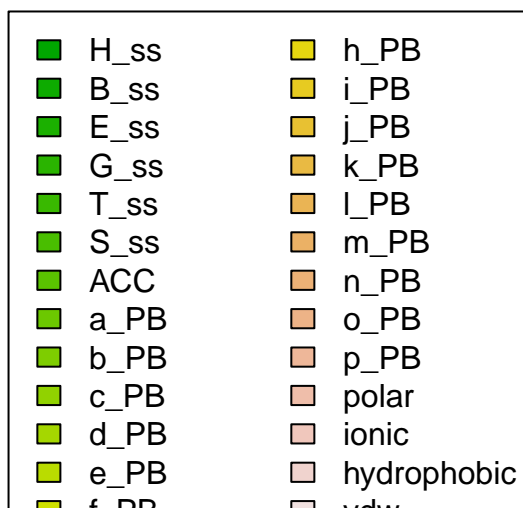
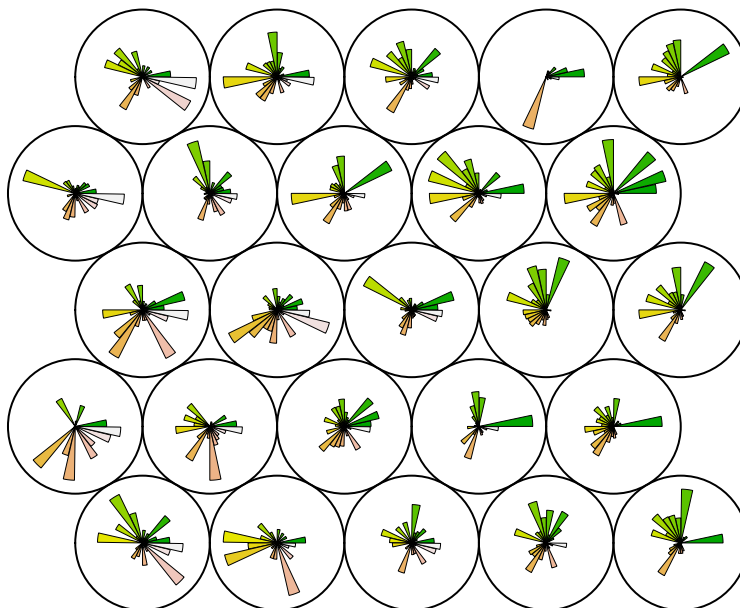
**Carte de Kohonen n= 25**



**Neighbour distance plot**

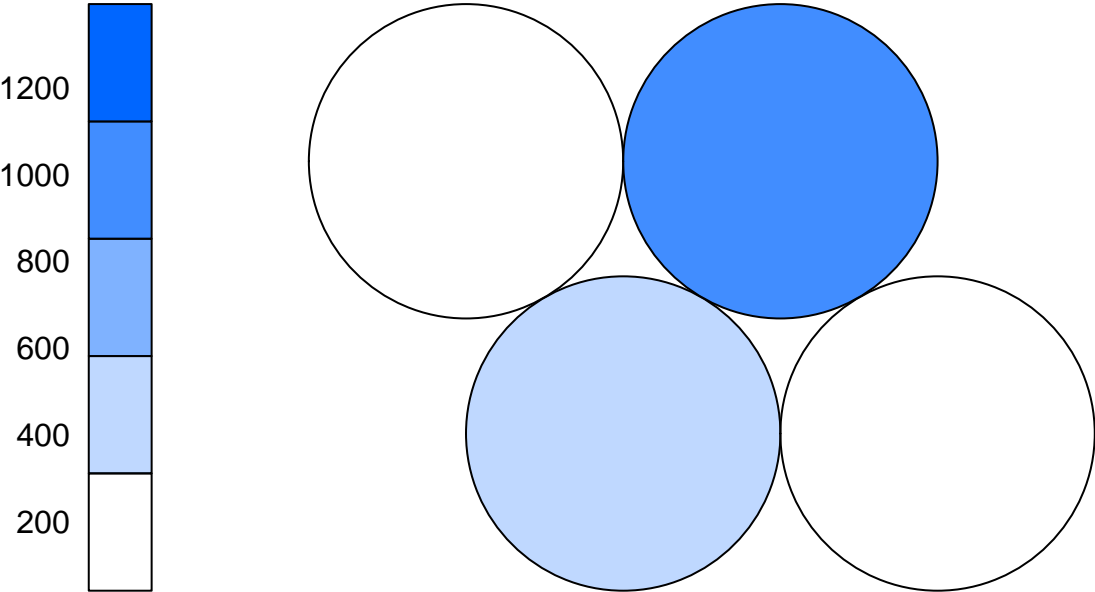


# Codes plot

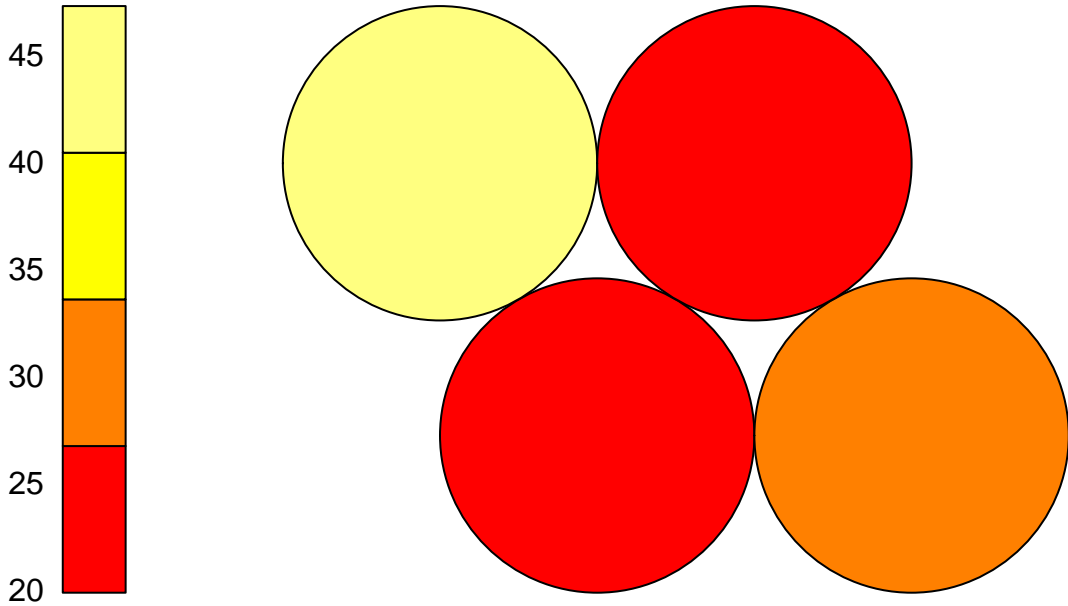




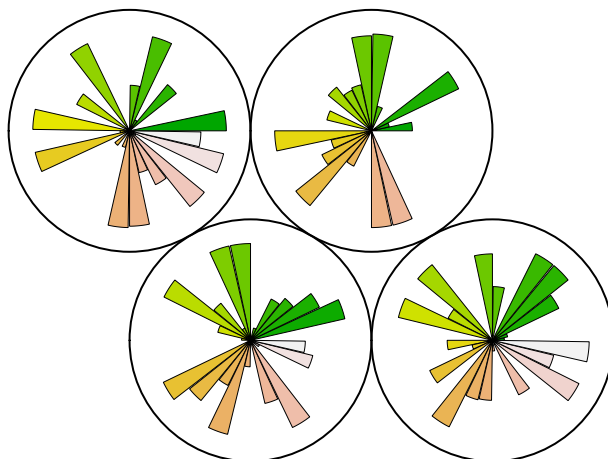
**Carte de Kohonen toroidal n= 4**































## Neighbour distance plot



# Codes plot

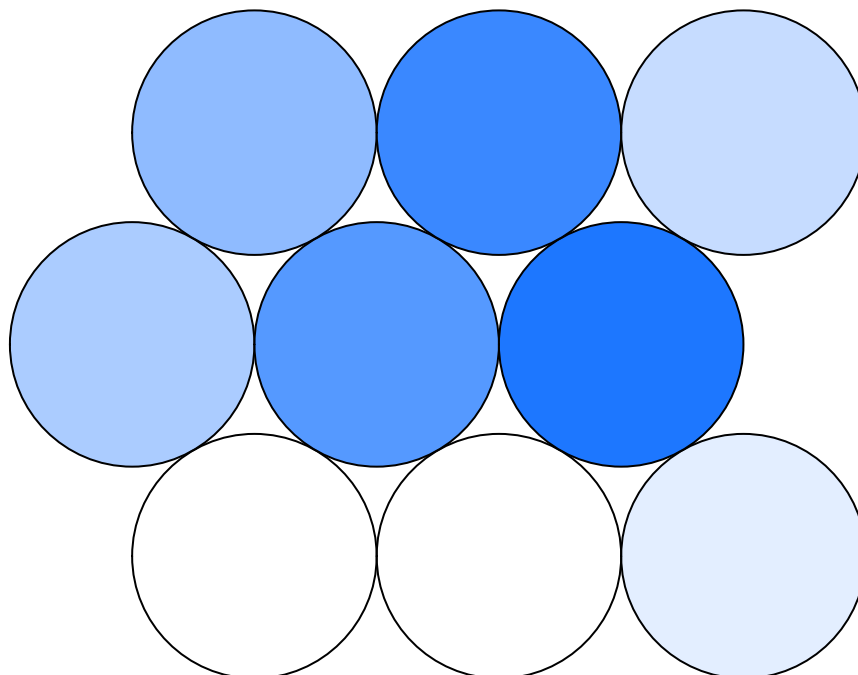
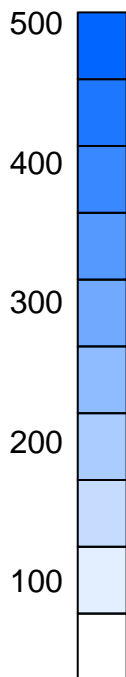


	H_ss		h_PB
	B_ss		i_PB
	E_ss		j_PB
	G_ss		k_PB
	T_ss		l_PB
	S_ss		m_PB
	ACC		n_PB
	a_PB		o_PB
	b_PB		p_PB
	c_PB		polar
	d_PB		ionic
	e_PB		hydrophobic
	f_PB		vdw
	g_PB		hydrogenB

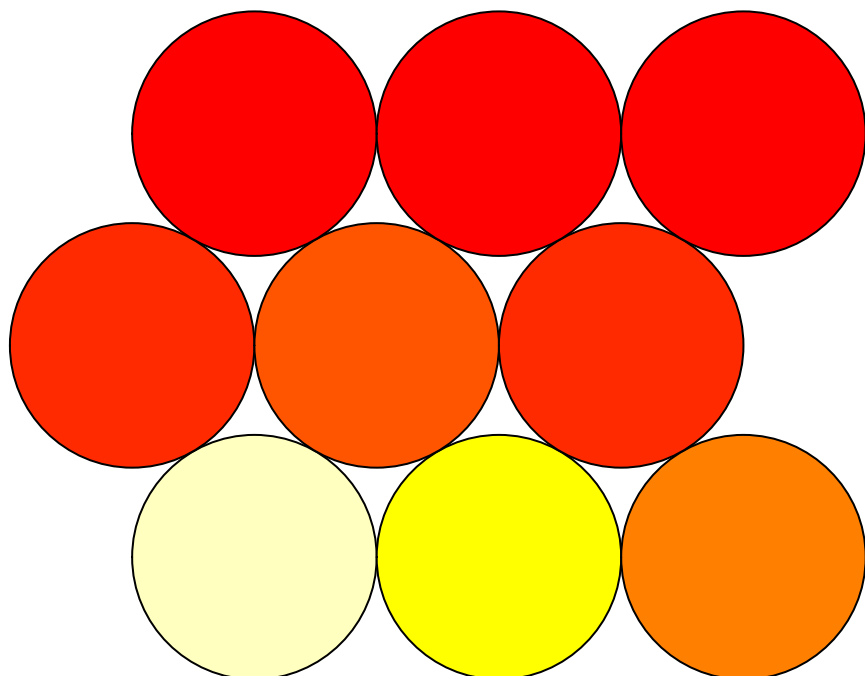
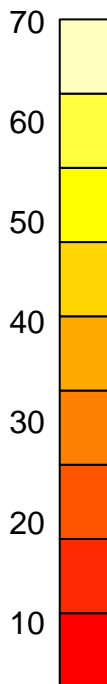




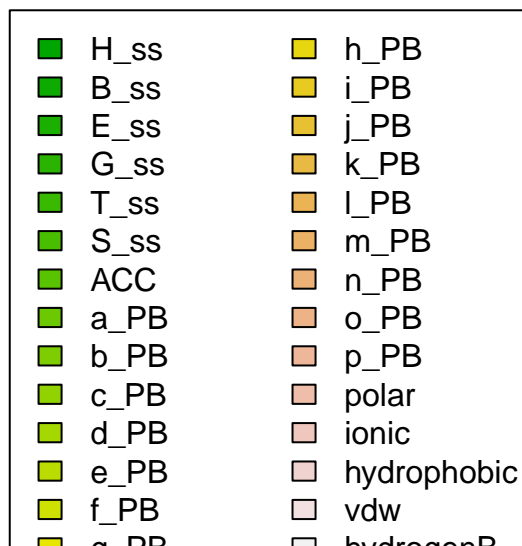
# Carte de Kohonen toroidal n= 9



## Neighbour distance plot

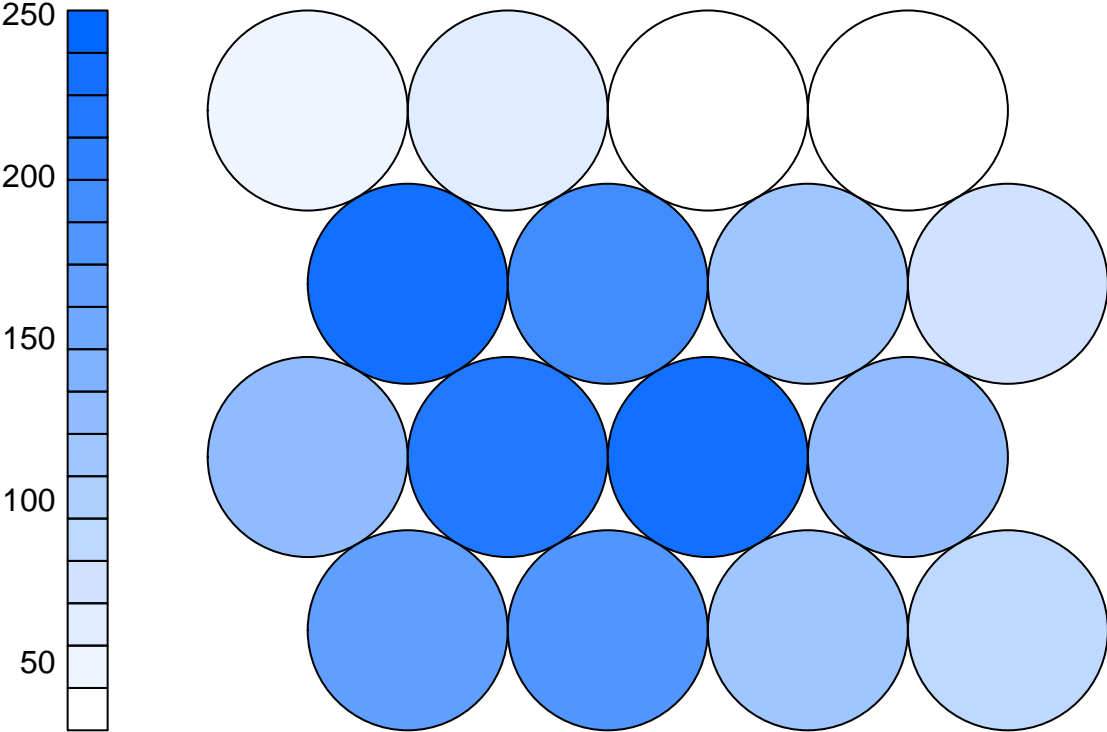


# Codes plot

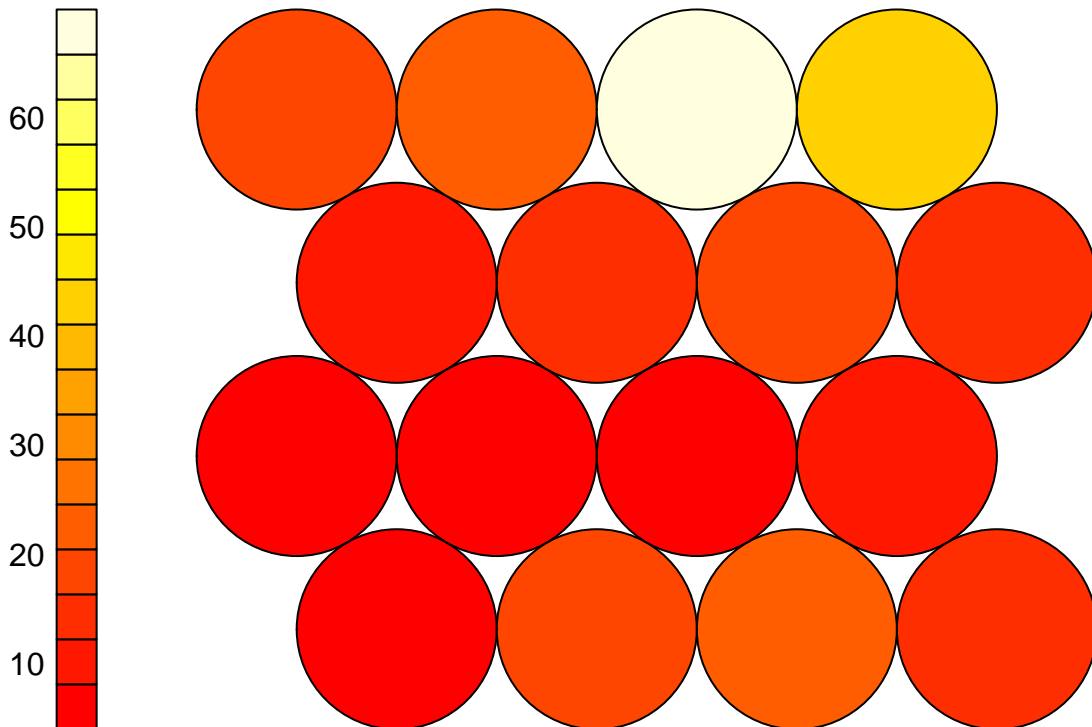




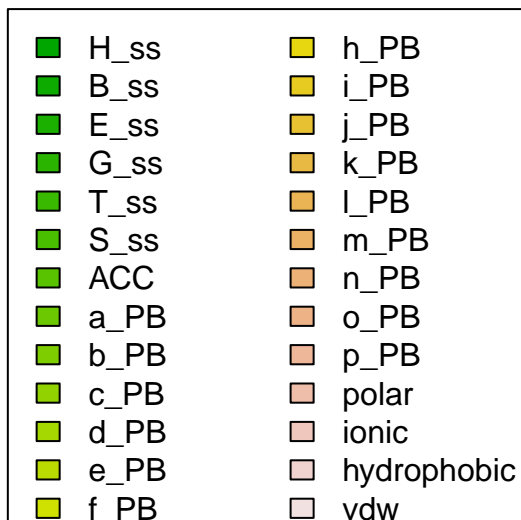
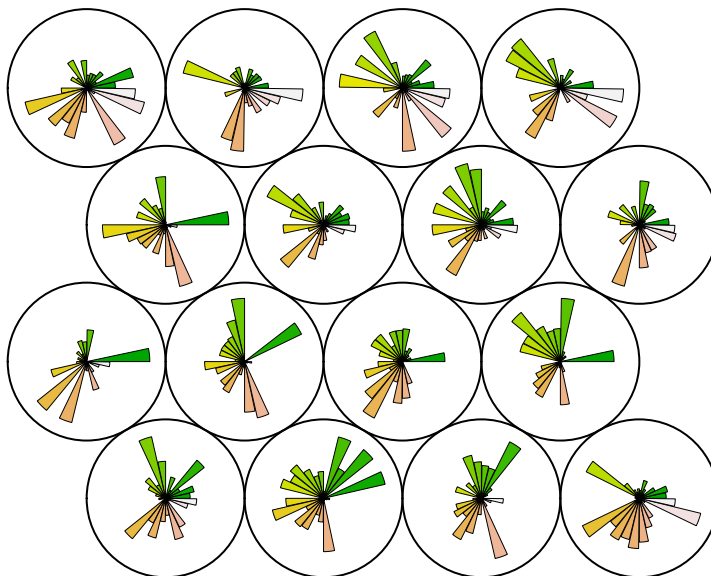
Carte de Kohonen toroidal n= 16



**Neighbour distance plot**



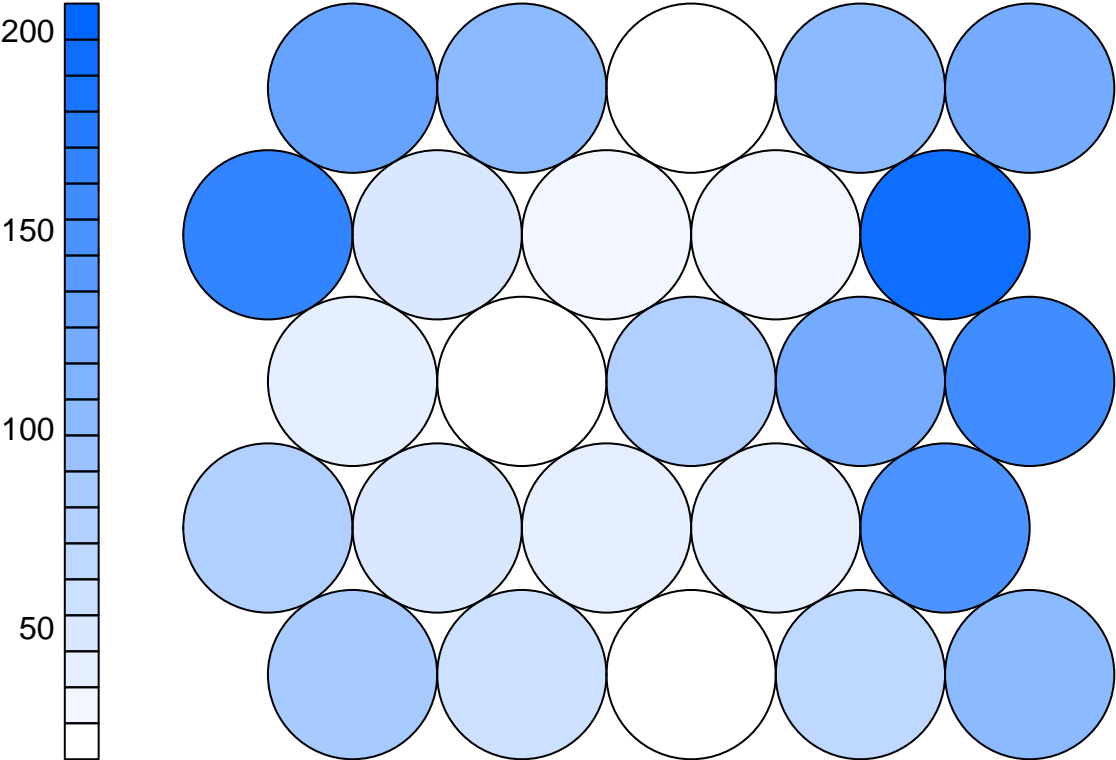
# Codes plot



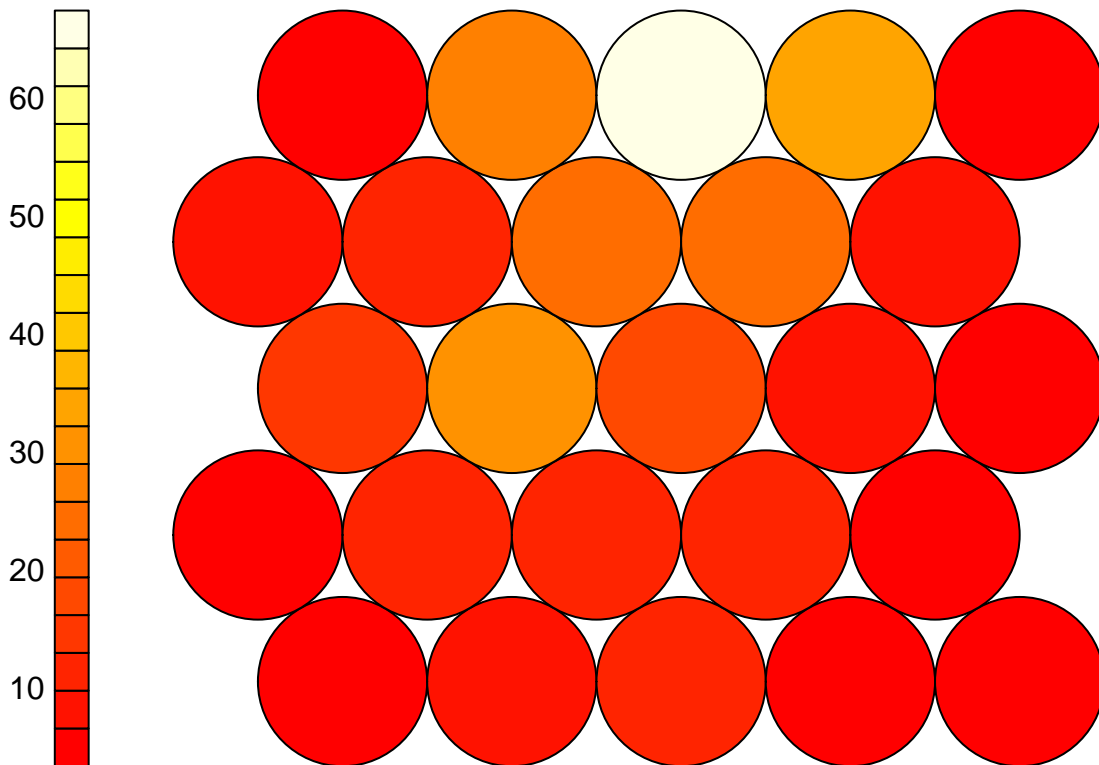




**Carte de Kohonen toroidal n= 25**



Neighbour distance plot



# Codes plot

