

Additional file 3: Internal cluster validity indices for k = 5 and 6

Algorithm	C-index	Silhouette	Compactness	Connectivity
	k = 5			
PAM	0.294	0.064	2.212	1064.2
DIANA	0.356	0.103	2.334	744.8
Fuzzy c-means	0.147	0.150	1.909	495.2
K-means	0.163	0.086	1.995	804.0
	k = 6			
PAM	0.274	0.060	2.160	1311.2
DIANA	0.361	0.065	2.336	1022.2
Fuzzy c-means	0.154	0.113	1.905	682.6
K-means	0.179	0.087	1.964	897.7