

NHP ID	Clinical classification	k-means	Hclust-Ward	Hclust-Complete	HClust-Avg	MDS
1512	Active	1	1	1	1	1
1712	Active	1	2	2	2	2
1812	Active	1	1	1	1	1
2112	Latent	2	3	3	3	3
2312	Latent	1	1	4	1	1
2612	Latent	1	1	5	4	1
2712	Latent	1	1	1	1	1
17211	Latent	1	1	4	1	1
17411	Active	1	3	3	3	4
21310	Active	3	2	6	5	5
21410	Active	4	2	6	5	5
21510	Latent	5	2	7	6	6
21610	Latent	5	2	7	6	6
21710	Latent	1	2	6	5	6
21810	Active	2	3	3	3	3
21910	Latent	2	3	3	3	3
22010	Active	6	2	8	7	7
22210	Latent	7	3	3	3	3
22310	Active	1	2	9	8	4
22410	Latent	1	2	10	9	7
22510	Active	1	2	11	10	7
22610	Latent	1	2	8	7	1
22710	Active	1	2	12	11	2
22810	Latent	8	2	13	12	2
22910	Active	9	2	9	8	7
23010	Latent	1	2	14	13	7
23110	Active	1	2	11	14	5
23210	Active	1	1	1	15	1
Optimal # of clusters		9	3	14	15	7

Table 5: results for the unsupervised classification algorithms applied to the *single cytokine dataset* Similar multiple optimal clusters have been returned by applying the five unsupervised algorithms to the multiple cytokine and memory phenotype temporal datasets (data not shown).