

**Part A: Individual clusters**

(Particle number)

Mixture no. 1:  
4 comp. - A

Cluster	F2	S4	D12	H2
1	163	2	22	23
2	7	1	123	67
3	0	0	21	80
4	0	167	4	0

Mixture no. 2:  
4 comp. - B

Cluster	F2	S4	D12	WS
1	167	2	23	4
2	2	3	88	10
3	1	0	55	156
4	0	165	4	0

Mixture no. 3:  
high PBAP

Cluster	F2	B3	D12	H2	BC1
1	0	197	0	0	0
3	200	6	13	2	6
2	9	10	133	79	6
4	4	0	21	88	25
5	0	0	3	1	47

Mixture no. 4:  
low PBAP

Cluster	F2	B3	S4	D12	H2	BC1	WS
1	0	0	0	10	15	20	0
2	23	2	0	125	77	6	165
3	0	0	0	3	1	128	1
4	4	0	0	18	68	11	2
5	3	0	169	8	9	0	0
6	0	135	1	0	0	0	1
7	112	5	0	6	0	6	1

Mixture no. 5:  
pollen

Cluster	P9	S4	D12	H2	BC1	WS
1	0	0	13	16	13	0
2	2	0	28	83	15	1
3	0	0	4	1	51	1
4	6	2	113	70	0	79
6	5	77	3	0	0	0
5	242	6	9	0	6	4

Mixture no. 6:  
indoor Air

Cluster	F2	B3	D12	H2	WT
1	160	7	13	0	31
4	0	154	0	0	0
2	4	0	32	95	35
3	6	9	125	75	62
5	0	0	0	0	42

**Part B: Grouped clusters**

(Cluster number)

Cluster	Fungi				Non-bio
1	163				47
2-4	7				463

Cluster	Fungi				Non-bio
1	167				29
2-4	3				481

Cluster	Fungi	Bacteria		Bio	Non-bio
1	0	197			0
3	200	6			21
2,4,5	13	10			403
1,3				403	21

Cluster	Fungi	Bacteria		Bio	Non-bio
7	112	5			13
6	0	135			1
1-5	30	2			836
6,7				252	14

Cluster		Pollen		Non-bio
5		242		25
1-4,6		13		570

Cluster	Fungi	Bacteria		Bio	Non-bio
1	160	7			44
4	0	154			0
2,3,5	10	9			466
1,4				321	44

**Part C: Summary**

(Cluster quality)

**Mixture no. 1**

Total P.	Miscl.	Cat.
210	22.4 %	Fungi
470	1.5 %	Non-bio

**Mixture no. 2**

Total P.	Miscl.	Cat.
196	14.8 %	Fungi
484	0.6 %	Non-bio

**Mixture no. 3**

Total P.	Miscl.	Cat.
227	11.9 %	Fungi
197	0.0 %	Bacteria
424	5.0 %	Bio
426	5.4 %	Non-bio

**Mixture no. 4**

Total P.	Miscl.	Cat.
130	13.8 %	Fungi
136	0.7 %	Bacteria
266	5.3 %	Bio
868	3.7 %	Non-bio

**Mixture no. 5**

Total P.	Miscl.	Cat.
267	9.4 %	Pollen
583	2.2 %	Non-bio

**Mixture no. 6**

Total P.	Miscl.	Cat.
211	24.2 %	Fungi
154	0.0 %	Bacteria
365	12.1 %	Bio
485	3.9 %	Non-bio