Supplementary Tables S2 and S3

Table S2. Comparison of fungi detected in different substrates by using microscopy (mold samples) and DNA metabarcoding (both mold and dust samples from the same damaged room). Data from the fourteen apartments that only include dust samples from the damaged rooms.

| Mold sample | Apartment | Material; visual aspect | Microscopy results | Fungal DNA metabarcoding data (genus level) | | |
				Major fungi in Mold sample (RA > 1%)	RA (%)	Presence in Dust Damaged room (%)
M16	4	Chipboard		*Naganishia*	37.7	0.05
			Chaetomium globosum	*Chaetomium*	32.4	27.8
				Rhodotorula	23.7	4.5
				Aspergillus	1.5	8.5
M27	10	Wood		*Stachybotrys*	64.7	0.4
				Aspergillus	28.4	0.3
			Bjerkandera adusta	*Bjerkandera*	5.3	45.8
				Penicillium	1.5	0.3
			Pseudoallescheria sp.			
M28 [1]	11	Wall paper		NA [1]	52.2	
			Wallemia sebi	*Wallemia*	24.6	0.1
				Aspergillus	21.7	3.2
			Penicillium sp.	<1% [2]		
M29	12	Wood		*Alternaria*	60.3	20.5
				Epicoccum	29.5	3.2
				Rhodotorula	5.5	0.2
			Cladosporium sp.	*Cladosporium*	4.2	33.8
			Ulocladium sp.			
			Phoma glomerata			
			Aspergillus/Penicillium [2]	<1% [2]		
M31 [1]	14	Gypsum board	*Chaetomium globosum*	*Chaetomium*	54.7	17.9
				Aspergillus	18.2	1.4
				NA [1]	16	
				Penicillium	10.6	12.9
			Acremonium sp	<1% [2]		
M37	16	Paint on the ceiling		*Alternaria*	84.1	22.2
				Acremonium	7.4	0.05
			Acremonium sp.	*Cladosporium*	5.5	20.8
				Meyerozyma	2.4	0.08
			Ulocladium sp.			
M43	18	Gypsum board		*Chaetomium*	62.6	0.6
				Aspergillus	35.7	3.3
			Scopulariopsis brevicaulis			
			Penicillium sp.[2]	<1% [2]		
M44	19	MDF	*Aspergillus glaucus*	*Aspergillus*	95.5	0.7
				Penicillium	3.5	12.6
M46	20	MDF	*Penicillium* sp.	*Penicillium*	69.5	1.4
			Chaetomium globosum	*Chaetomium*	28.9	0.08
				Naganishia	1.1	4

M49	21	MDF	*Chaetomium globosum*	*Chaetomium*	70.3	0.6	
				Penicillium	24	2	
			Aspergillus versicolor	*Aspergillus*	5.4	1	
M50	22	Gypsum board	*Chaetomium globosum*	*Chaetomium*	79.3	0.06	
			Aspergillus/Penicillium	*Aspergillus*	12.9	1.4	
				Penicillium	4.4	1.1	
				Filobasidium	2.2	0.4	
M54	25	Gypsum board	*Stachybotrys chartarum*	*Stachybotrys*	99.4	8.9	
			Penicillium sp.				
M56	27	Gypsum board	*Stachybotrys chartarum*	*Stachybotrys*	84.5	22	
				Talaromyces	11.6	0.02	
			Chaetomium sp.	*Chaetomium*	2.1	6	
			Penicillium sp.	*Penicillium*	1.3	1.2	
M59	28	Gypsum board	*Stachybotrys chartarum*	*Stachybotrys*	40.4	0.6	
			Chaetomium globosum	*Chaetomium*	24.4	2.5	
			Aspergillus versicolor	*Aspergillus*	17.4	8.5	
				Mucor	2.9	25.2	
				Penicillium	2.8	11.9	
				Sphaerosporella	1.5	2.9	
				Pyrenochaeta	1		
			Acremonium sp.[2]	<1% [2]			
M60	28	Gypsum board	*Stachybotrys chartarum*	*Stachybotrys*	61.9	20.6	
			Chaetomium globosum	*Chaetomium*	21.5	12.7	
				Alternaria	6.2	3.4	
				Oidiodendron	5.2	0.3	
			Aspergillus sp.	*Aspergillus*	2.6	8.4	
			Ulocladium sp.				
			Ascotricha erinacea				
			Sepedonium sp.				

[1] High percentages of non-assigned (NA) genera (16-52 %) were reported for the mold samples M28 and M31, compared to the rest of samples (5.9 % of NA genera for mold samples on average).

[2] Genera detected in mold samples by DNA metabarcoding with RA<1%.

Supplemetary Table S3. Comparison of fungi detected in mold samples by using both microscopy and DNA metabarcoding - data from eight apartments that only include mold samples.

Mold sample	Apartment	Material; visual aspect	Microscopy results	Major fungi by DNA metabarcoding (RA > 1%)	RA (%)
M4	1	Gypsum board; Black mold	*Cladosporium* sp.	*Cladosporium*	27.1
				Alternaria	25.9
			Acremonium sp	*Acremonium*	20.5
				Sarocladium	12.7
				Sporobolomyces	4.6
				Phaffia	2.1
				Vishniacozyma	1.1
			Ulocladium sp.		
M7	2	Plastic		*Boletus*	48.8
			Cladosporium sp.	*Cladosporium*	30.9
				Penicillium	19.3
M15	4	Building paper		*Stachybotrys*	78.4
				Chaetomium	21.3
			Unidentified molds		
M17	5	Wood; rot signs		*Aspergillus*	94.1
				Penicillium	1.3
				Serpula	1.1
			Coniophora puteana		
M18	5	Wood; rot signs		*Serpula*	49.9
				Aspergillus	37.6
				Penicillium	5.8
				Wallemia	1.7
				Blastobotrys	1.7
			Coniophora puteana		
M19	6	Chipboard	*Aspergillus / Penicillium*	*Aspergillus*	97.8
				Byssochlamys	2
			Unidentified molds		
M21	6	Wood	*Trichoderma* sp.	*Trichoderma*	89
				Peziza	9.5
			Chaetomium sp.		
			Stachybotrys chartarum		
			Aspergillus niger		
			Penicillium sp.		
M22	7	Gypsum board	*Ascotricha erenacea*	*Ascotricha*	57.7
				Cyphellophora	22.6
				Tritirachium	8.3
				Beauveria	3
				Aspergillus	2.8
				Microascus	1.7
M26	9	Gypsum board	*Acremonium* sp.	*Acremonium*	64.9
				Aspergillus	12.9
			Unidentified black fungi		

M55	26	Chipboard	*Aspergillus* sp.	*Aspergillus*	44.3
			Tritirachium sp.	*Tritirachium*	30.2
			Cladosporium sp.	*Cladosporium*	5.9
			Acremonium sp.	*Acremonium*	3.5
				Fusarium	3

[1] High percentages of non-assigned (NA) genera (16-52 %) were reported for the mold samples M28 and M31, compared to the rest of samples (5.9 % of NA genera for mold samples on average).

[2] Genus detected by DNA metabarcoding with RA<1%.