

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of several spacesuit samples

Domain	TaxonomyID	Name	FileNames	SL280164	SL280165	SL280166	SL280167	SL280168	SL280169	SL280170	SL280171	SL280172
			#TotalReads	3065766	3131552	3744302	1433812	5292512	3652515	2740672	2804295	3998896
			#TotalReadsMapped	775255	1339370	1083978	545649	1716049	158587	779360	1103954	1663532
			AlphaDiversity	3.31	2.41	2.44	1.59	3.55	2.45	2.94	2.70	2.88
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped		418							
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped									
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped									
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped									
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped									
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped									
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped									
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped									
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped						1004			
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped		667							
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped									
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped		360							
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped									
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped							306	454	
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped					576				
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped					689				
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped		2536							
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped		37111			3862				
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped							1540		
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped						1984			3570
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped	2355	1659						647	661
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped	554	817		657		7655		327	
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped	504	52953	810	667	618		509	1133	1398
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	2463	4418	4017	1216	3321	631	2705	2930	8232
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	24423	72429	39574	4458	16635	2579	12184	14204	26599
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	106476	182164	96076	388458	118597	45978	99889	129258	91482

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	FileNames	SL280173	SL280174	SL280175	SL280176	SL280177	SL280178	SL280179	SL280180	SL280181
			#TotalReads	3692275	3588380	3056548	3814349	3156448	2198084	4087491	5279850	2657835
			#TotalReadsMapped	1941444	1100097	1358846	1257401	523406	1230215	1564638	2260182	1019168
			AlphaDiversity	2.09	2.97	2.40	3.29	3.39	2.15	2.84	2.42	2.83
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped									
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped	466								
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped									
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped									
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped									
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped									
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped									
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped									
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped									
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped									
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped									
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped									
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped				532			910		
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped									
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped					489				
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped									
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped									279
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped				392			945		
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped		659							273
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped	567			1191					449
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped	459			1958		376	1853		1222
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped		757	525	1249		1960	1010	686	1381
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped	652	635		1005		984	995	852	1360
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	4769	1785	1276	3772	1156	3420	5586	2048	2354
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	26281	11342	30755	38067	11895	20543	41271	37229	27674
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	97385	65641	118135	213691	47430	636609	389892	161952	299636

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	AlphaDiversity	SL280182	SL280183	SL280184	SL280185	SL280186	SL280187	SL280188	SL280189	SL280190
		FileNames		3504427	2419500	2983553	3541570	4249198	3257409	4880088	1542568	3248685
		#TotalReads		1720721	610327	1248476	1594231	946895	1898841	1310273	912680	1511229
		#TotalReadsMapped	2.43	2.98	3.00	3.25	3.58	2.09	2.64	2.40	2.87	
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped									
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped									
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped									
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped									
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped									
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped									
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped									
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped									
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped									
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped									
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped									
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped						403			
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped					25344				
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped			354	480				209	
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped		976							
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped									
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped									
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped									
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped									
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped	959			435					
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped	3770		613		95792	789		225	494
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped	923	1110	834	891	779	1519	616	1500	710
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped	1080		3532	1581	455	761	635	1800	1112
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	3797	656	5960	3817	2396	4328	4011	5667	5504
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	69683	3452	41547	39952	20843	101356	46654	29723	27025
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	305717	158661	195656	272138	111524	249245	148220	349823	337029

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	AlphaDiversity	SL280191	SL280192	SL280193	SL280194	SL280195	SL280196	SL280197	SL280198	SL280199
				3936360	5624269	4733040	4408922	3933258	4146997	4068568	2280675	3502919
				1361984	290937	2065562	2756448	1566162	1982076	1148069	1142126	1505233
			3.18	3.12	2.42	1.86	2.87	2.41	3.55	2.67	3.32	
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped									
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped									
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped									
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped									
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped									
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped									
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped									
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped									
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped									
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped									
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped									
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped									
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped							440		
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped	691		617						825
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped									
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped									
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped					404				
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped									
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped							460		414
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped	764								
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped	738		1719	460			3777	267	628
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped	645			458		940	685	3719	463
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped	1783		1467	847	2545	685	643	1860	811
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	10655		9386	3420	2904	3115	2414	5360	3644
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	22289	756	36856	33963	19283	52327	30760	22456	38531
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	195267	46311	90348	172760	106685	356022	129686	442006	180663

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	AlphaDiversity	SL280200	SL280201	SL280202	SL280203	SL280204	SL280205	SL280206	SL280207	SL280208
				4664692	2651734	2911113	1871067	2509194	4610803	2536761	4764381	2729508
				2736118	916443	1698926	979287	1314484	1324057	1444901	903965	686161
			2.22	3.32	2.14	2.37	2.63	2.66	2.31	3.97	3.66	
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped									
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped									
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped			308						
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped									
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped									
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped									
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped									
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped									
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped									
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped									
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped						1109			
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped			330						
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped		332	2387						
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped					492				
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped								584	
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped									
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped		293			277				
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped		2951							
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped								3799	
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped		520	527	215	374				
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped		2345	9131	262	496				1623
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped	600	855	867	948	1233		898		
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped	723	531	1085	1483	1272		2036		426
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	2486	2574	8854	5591	3252	2515	2103	3772	4254
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	31197	28310	67156	33780	44632	5306	36102	12362	8280
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	251775	167028	207459	338145	276815	29874	427222	69546	61104

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	AlphaDiversity	SL280209	SL280210	SL280211	SL280212	SL280213	SL280214	SL280215	SL280216	SL280217
				1652093	1307036	2368967	2186861	3447188	3125089	1228295	5770757	1831009
				407135	164447	844610	267252	1033378	735471	463482	1328765	496354
			4.10		3.88	3.16	3.49	2.16	2.98	2.61	4.88	3.28
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped									
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped									
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped									
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									250
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped									
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped									
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped									
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped									
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped									
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped									
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped									
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped									263
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped									
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped	254								
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped									
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped						3656		1450	
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped	173			221					215
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped								893	198
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped		294				1482			
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped			422		638	335		12421	3595
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped	183		412				125	2452	
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped		976	387						
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped			1583		387	460	838	2707	191
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped			464				652		241
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	670	419	2983	541	6673	4350	1667	10929	1760
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	9707	1091	15819	3398	21838	15017	5458	5453	6792
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	27670	18670	97139	32766	62411	177003	185061	84799	48397

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	AlphaDiversity	SL280218	SL280219	SL280220	SL280221	SL280222	SL280223	SL280224	SL280225	SL280226
		Filename		2728731	2263809	3442152	3615845	2308161	5165044	2210129	3291674	3224745
		#TotalReads		492628	458527	561592	1833750	843404	1740582	358070	502337	834342
		#TotalReadsMapped	4.33	3.71	3.09	2.46	3.02	2.41	3.66	3.39	3.04	
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped									
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped									
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped									
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped			375						
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped					1214				
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped									
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped									
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped									
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped			1645						
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped							256		
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped									
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped									
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped									
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped									
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped									
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped							303		
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped									
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped									
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped	831							346	
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped			446	564				460	
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped							390		
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped	276	601		421	565				1364
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped	1073		418	759	410				588
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	1049	2549	4671	13192	2461	1603	396	1389	3052
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	3138	4659	6490	28780	6310	7729	3090	7097	17134
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	54736	69520	170225	155379	160599	34425	39501	63045	156782

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	AlphaDiversity	SL280227	SL280228	SL280229	SL280230	SL280231	SL280232	SL280233	SL280234	SL280235
		Filename		3682667	5217091	2838096	2912085	1547888	3294322	3086039	3152650	1194370
		#TotalReads		1497238	1775565	451588	475563	334656	891317	903458	578822	324662
		#TotalReadsMapped	3.62	2.07	3.94	3.76	3.27	3.86	3.99	4.06	3.54	
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped									
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped									
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped									
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped									
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped									
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped					160				
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped									
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped									
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped									
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped									
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped									
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped	373								
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped									141
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped									
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped						379			
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped					298				222
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped			376						215
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped			3002	293	1628		517	477	
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped	3321						395		343
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped	2444					397	4770		
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped	1366		2033	908				1748	138
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped	1391		344			379	600		203
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped	388					815	509		
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	22489		707	572	633	1924	11216	3064	1776
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	25926	3011	2366	2718	2993	10718	21350	4953	3990
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	226813	40586	71972	48006	51880	148522	123731	41186	29414

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	AlphaDiversity	SL280236	SL280237	SL280238	SL280239	SL280240	SL280241	SL280242	SL280243	SL280244
				3.60	3.54	3.87	2.92	3.57	3.26	1.88	4.23	2.16
		FileNames										
		#TotalReads		3054569	2825676	3229137	4369128	3287728	3224079	4735585	6554620	7364900
		#TotalReadsMapped		716822	489757	701975	1316844	904617	1042914	3128110	1573828	2690841
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped									
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped									
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped									
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped									
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped									
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped									
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped			347						
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped				473					
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped									
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped									
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped						327			
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped									
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped									
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped									
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped		332							
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped		295							
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped				654				902	
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped	522								
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped	479			572					
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped			921						
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped									
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped	388	291	374	716	683	880			
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped		298	580	508		538	795	872	
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	2741	1015	2026	14765	3158	4255	6069	7149	2245
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	10904	6321	15000	23695	8745	9412	39087	5445	9248
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	53812	59249	79674	202541	254574	295493	185198	224079	54675

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	AlphaDiversity	SL280245	SL280246	SL280247	SL280248	SL280249	SL280250	SL280251	SL280252	SL280253
				1848334	1830567	4141698	6242225	3545650	1986004	4758008	3475463	3148641
				384993	388649	1011015	2119250	1325792	399526	3322985	983113	860358
			3.70	3.52	4.28	2.58	3.40	3.51	1.21	4.20	4.06	
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped									
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped									
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped									
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped									
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped									
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped									
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped									
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped									
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped									
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped									699
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped									
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped							1091		
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped									
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped									
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped									
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped			726						
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped						749	2653		
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped	311					252			
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped									463
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped						742			
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped			4188		717			972	3657
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped									
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped	205				1381	356			
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped		194	543			234		1034	1722
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped		392	598				518	1785	698
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	1495	1705	1900	4061	990	2026	1674	3822	7822
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	3464	5505	14385	9831	4391	8431	13859	17819	9844
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	62281	47036	111161	63748	272105	32183	55941	179726	216528

Supplementary Table S3. Shotgun metagenome sequences of eukaryotes of sevi

Domain	TaxonomyID	Name	FileNames	SL280254	SL280255	SL280256	SL280257	SL280258	SL280259
			#TotalReads	5936459	1542106	2131129	3133453	1659883	1813042
			#TotalReadsMapped	2315879	379199	354721	493714	244180	406107
			AlphaDiversity	2.16	3.32	3.44	3.61	3.40	4.34
Eukaryota	41688	<i>Lomentospora prolificans</i>	#ReadsMapped						
Eukaryota	169489	<i>Malassezia dermatis</i>	#ReadsMapped						
Eukaryota	498019	<i>[Candida] auris</i>	#ReadsMapped						
Eukaryota	169388	<i>Fusarium solani</i>	#ReadsMapped						
Eukaryota	52283	<i>Sarcoptes scabiei</i>	#ReadsMapped						
Eukaryota	5057	<i>Aspergillus clavatus</i>	#ReadsMapped						
Eukaryota	252598	<i>Saccharomyces sp. 'boulardii'</i>	#ReadsMapped						
Eukaryota	223818	<i>Malassezia japonica</i>	#ReadsMapped						
Eukaryota	4929	<i>Meyerozyma guilliermondii</i>	#ReadsMapped						
Eukaryota	5059	<i>Aspergillus flavus</i>	#ReadsMapped						
Eukaryota	68886	<i>Theileria orientalis</i>	#ReadsMapped						
Eukaryota	36630	<i>Aspergillus fischeri</i>	#ReadsMapped						
Eukaryota	273371	<i>Candida orthopsilosis</i>	#ReadsMapped						
Eukaryota	76774	<i>Malassezia obtusa</i>	#ReadsMapped						
Eukaryota	5482	<i>Candida tropicalis</i>	#ReadsMapped						
Eukaryota	76777	<i>Malassezia sympodialis</i>	#ReadsMapped						
Eukaryota	5068	<i>Aspergillus tubingensis</i>	#ReadsMapped		345				
Eukaryota	4932	<i>Saccharomyces cerevisiae</i>	#ReadsMapped		218	228			184
Eukaryota	5599	<i>Alternaria alternata</i>	#ReadsMapped		258				291
Eukaryota	746128	<i>Aspergillus fumigatus</i>	#ReadsMapped			2581		562	870
Eukaryota	5480	<i>Candida parapsilosis</i>	#ReadsMapped						
Eukaryota	6954	<i>Dermatophagoides farinae</i>	#ReadsMapped						364
Eukaryota	4903	<i>Cyberlindnera jadinii</i>	#ReadsMapped						
Eukaryota	55194	<i>Malassezia furfur</i>	#ReadsMapped			234			235
Eukaryota	92950	<i>Cladosporium sphaerospermum</i>	#ReadsMapped		235	236		318	621
Eukaryota	76773	<i>Malassezia globosa</i>	#ReadsMapped	2489	1890	1911	946	959	1781
Eukaryota	76775	<i>Malassezia restricta</i>	#ReadsMapped	10108	4028	6598	5004	2066	4063
Eukaryota	9606	<i>Homo sapiens</i>	#ReadsMapped	65807	38740	41796	26758	19958	31967