

An 18S rRNA workflow for characterizing protists in sewage, with a focus on zoonotic trichomonads;

Microbial Ecology;

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Online Resource 6 number and identity of sequences represented by each OTU clustered at 98%.

As clustering at 97% and 98% produced identical results, only 98% is included here.

OTU number	Sequences included		
1	Trichomonas_vaginalis_THAIS192	Trichomonas_vaginalis_THAIS176	Trichomonas_vaginalis_SD7
	Trichomonas_vaginalis_SD1	Trichomonas_vaginalis_SA-A71	Trichomonas_vaginalis_SA-A19
	Trichomonas_vaginalis_SA30	Trichomonas_vaginalis_PMGH25	Trichomonas_vaginalis_NYCF20
	Trichomonas_vaginalis_NYCE32	Trichomonas_vaginalis_NYCD15	Trichomonas_vaginalis_NYCC37
	Trichomonas_vaginalis_NYCB20	Trichomonas_vaginalis_NYCA04	Trichomonas_vaginalis-like_13255
	Trichomonas_vaginalis-like_13240	Trichomonas_vaginalis-like_13211	Trichomonas_vaginalis-like_13207
	Trichomonas_vaginalis-like_12857	Trichomonas_vaginalis-like_12855	Trichomonas_vaginalis-like_12850
	Trichomonas_vaginalis-like_12847	Trichomonas_vaginalis-like_12842	Trichomonas_vaginalis-like_12840
	Trichomonas_vaginalis-like_12839	Trichomonas_vaginalis_GOR23	Trichomonas_vaginalis_GOR21
	Trichomonas_vaginalis_G3	Trichomonas_vaginalis_CNDC217	Trichomonas_vaginalis_CNDC188
	Trichomonas_vaginalis_CDC252	Trichomonas_vaginalis_C1:NIH	Trichomonas_vaginalis_1080_
	Trichomonas_vaginalis_1035	Trichomonas_vaginalis_1031	Trichomonas_tenax_Hs-4:NIH
	Trichomonas_gallinae_TG	Trichomonas_gallinae_SL	Trichomonas_gallinae_DP3
	Trichomonas_gallinae_AG	Tetratrichomonas_gallinarum_TP-79	
	2	Rattus_sp.	Homo_sapiens
Canis_lupus_familiaris			
3	M54878_Giardia_intestinalis_Portland-1	Giardia_intestinalis_Portland-1	
4	Toxoplasma_gondii_RH		
5	Trichomitus_batrachorum_G43		
6	Tetratrichomonas_gallinarum_Leverett		
7	Blastocystis_hominis_BT1		
8	AF149905_Entamoeba_invadens		
9	Ditrichomonas_honigbergii_DR		
10	Cryptosporidium_parvum_lowa		
11	Saccharomyces_cerevisiae_SK1		
12	Pentatrichomonas_hominis_Hs-3:NIH		
13	U37461_Dientamoeba_fragilis_Bi/PA		
14	Tritrichomonas_foetus_KV-1		
15	Gallus_gallus		
16	Entamoeba_histolytica_HM-1:IMSS		
17	Monotrichomonas_carabina_QBSA-1		
18	Monocercomonas_colubrorum_W-578-73		

Online Resource 6 taxonomic assignment for the V4 Sanger sequences at 98%. As clustering at 97% and 98% produced identical results, only 98% is included here.

OTU number	Number of sequences assigned	Source of OTU representative sequence	Taxonomy assigned SILVA 111 db (evalue)	Taxonomy assigned curated db (evalue)
1	41	<i>Trichomonas vaginalis</i> THAIS192	<i>Trichomonas tenax</i> (2E-51)	<i>Trichomonas sp.</i> (2E-52)
2	4	<i>Rattus sp.</i>	<i>Mus musculus</i> (8E-70)	<i>Mus musculus</i> (7E-71)
3	2	<i>Giardia intestinalis</i> Portland-1	<i>Giardia intestinalis</i> (3E-47)	<i>Giardia intestinalis</i> (2E-48)
4	1	<i>Toxoplasma gondii</i> RH	<i>Toxoplasma gondii</i> (1E-62)	<i>Toxoplasma gondii</i> (9E-64)
5	1	<i>Trichomitus batrachorum</i> G43	<i>Trichomitus batrachorum</i> (1E-34)	<i>Trichomitus batrachorum</i> (8E-36)
6	1	<i>Tetratrichomonas gallinarum</i> Leverett	<i>Tetratrichomonas sp.</i> (5E-49)	<i>Tetratrichomonas sp.</i> (4E-50)
7	1	<i>Blastocystis hominis</i> BT1	<i>Blastocystis sp.</i> (5E-68)	<i>Blastocystis sp.</i> (4E-69)
8	1	AF149905 <i>Entamoeba invadens</i>	<i>Entamoeba suis</i> (1.00E-15)	<i>Entamoeba invadens</i> (1E-56)
9	1	<i>Ditrichomonas honigbergii</i> DR	AB183887 <i>uncultured parabasalid eukaryote</i> (1E-40)	<i>Ditrichomonas honigbergii</i> (3E-51)
10	1	<i>Cryptosporidium parvum</i> Iowa	<i>Cryptosporidium wrairi</i> (3E-60)	<i>Cryptosporidium wrairi</i> (2E-61)
11	1	<i>Saccharomyces cerevisiae</i>	<i>Saccharomyces cerevisiae</i> (8E-67)	<i>Saccharomyces cerevisiae</i> (7E-68)
12	1	<i>Pentatrichomonas hominis</i> Hs-3:NIH	<i>Pentatrichomonas hominis</i> (3E-50)	<i>Pentatrichomonas hominis</i> (3E-51)
13	1	U37461 <i>Dientamoeba fragilis</i> Bi/PA	<i>Dientamoeba fragilis</i> (7E-39)	<i>Dientamoeba fragilis</i> (6E-40)
14	1	<i>Tritrichomonas foetus</i> KV-1	<i>Tritrichomonas suis</i> (3E-50)*	<i>Tritrichomonas suis</i> (3E-51)*
15	1	<i>Gallus gallus</i>	<i>Gallus gallus</i> (3E-69)	<i>Gallus gallus</i> (3E-70)
16	1	<i>Entamoeba histolytica</i> HM-1:IMSS	No blast hit (None)	<i>Entamoeba dispar</i> (4E-50)
17	1	<i>Monotrichomonas carabina</i> QBSA-1	<i>Tritrichomonas suis</i> (2E-36)	<i>Monotrichomonas carabina</i> (4E-50)
18	1	<i>Monocercomonas colubrorum</i> W-578-73	<i>Pseudotrichomonas keilini</i> (2E-29)	<i>Ditrichomonas honigbergii</i> (5E-31)

**Tritrichomonas foetus* and *Tritrichomonas suis* are considered the same species