

Supplementary Table S1. Eukaryotic species detected in Rifle groundwater using non-specific primers targeting the 18S rRNA gene or the β -tubulin gene

Euglenozoa species	Land plants	Alveolates	Cercozoa
Andalucia godoyi	Chlorokybus atmophyticus	Apicomplexa sp.	Cercomonas sp.
Jakoba incarcerata	Ocimum basilicum	Babesia caballi	Paracercomonas filosa
Jakoba libera	Ostreococcus sp.	Brachionella sp.	Cercozoa sp
Leishmania infantum	Selaginella lepidophylla	Caenomorphidae gen. sp.	
Naegleria gruberi	Triticum aestivum	Chilodonella uncinata	
Trypanosoma congolense		Climacostomum virens	
		Colpoda maupasi	
		Cyclidium porcatum	
		Epalxella antiquorum	
		Euplotes aediculatus	
		Exuviaella pusilla	
		Gregarina blattarum	
		Halteria grandinella	
		Hemiurosoma terricola	
		Kahliella sp. TT2005	
		Lechriophyla mystax	
		Leptopharynx costatus	
		Litostomatea sp.	
		Loxodes striatus	
		Metopus palaeformis	
		Njinella prolifera	
		Nyctotherus cordiformis	
		Nyctotherus ovalis	
		Oligohymenophorea sp.	
		Opisthnecta minima	
		Paramecium sp.	
		Pelagothrix alveolata	
		Perkinsus marinus	
		Phyllopharyngea sp.	
		Spirotontonia taiwanica	
		Toxoplasma gondii	
		Trimyema compressum	
		Tunicothrix sp.	
		Uronema elegans	

Stramenopiles

Chrysophyceae sp.
Ochromonadaceae sp. CCMP2298
Ochromonas vasocystis
Oikomonas sp. SA-2.1
Paraphysomonas imperforata
Paraphysomonas vestita
Phaeodactylum sp.
Phytophthora infestans
Pirsonia verrucosa
Pythiaceae sp.
Spumella sp AR3A3
Spumella sp.
Synurophyceae sp.
Tesselaria volvocina
Thalassiosira pseudonana

Fungi

Cladosporium bruhnei
Aureobasidium pullulans
Alternaria sp. CBS 174.52
Uncultured Dothideomycete clone SAWY4
Puccinia graminis
Chaetomium globosum
Coprinopsis cinerea
Pyrenophora sp.
Schizophyllum sp.

Metazoa

Alcyonidium diaphanum
Caenorhabditis japonica
Catenula lemnae
Crassostrea virginica
Drosophila sp.
Equus sp.
Gallus gallus
Helobdella robusta
Ixodes scapularis
Litopenaeus vannamei
Loa loa
Monosiga brevicollis
Otolemur sp.
Paracatenula urania
Pomatoceros lamarckii
Rheomorpha neiswestonovae
Rhynchoscolex simplex
Rutilus rutilus
Salvelinus fontinalis
Xenopus laevis

Apusozoa

Apusozoa sp. ATCC 50267

Opisthokonta

Choanoflagellida sp.

Cryptomonads

Cryptophyta sp.
Goniomonas sp. ATCC 50108
Cryptomonas paramecium

Centroheliozoa

Pterocystis sp NZ

Oxymonadida

Saccinobaculus doroxostylus

unclassified Eukaryotes

Trimastix pyriformis
Breviata anathema

Parabasalia

Carpediemonas membranifera

Lacusteria cypriaca

Trichomonas vaginalis

Diplomonads

Enteromonas sp. CUORA

Giardia lamblia

Hexamita inflata

Trepomonas sp.

Trepomonas steinii

Trimitus sp. TRION

Amoebozoa

Protacanthamoeba bohemica

Thecamoeba aesculea

Rhizaria

Polycystinea sp.