

**Table S3.** The occurrence of testate amoebae species in the samples and on the stations along the depth gradient

Species	# of samples	Frequency of samples with specie	# of stations	Frequency of stations with species
<i>Cylindriflugia elegans</i>	60	100%	20	100%
<i>Diffugia oblonga</i>	60	100%	20	100%
<i>Centropyxis cassis</i>	59	98%	20	100%
<i>Diffugia penardi</i>	56	93%	19	95%
<i>Diffugia petricola</i>	56	93%	19	95%
<i>Cylindriflugia acuminata</i>	53	88%	20	100%
<i>Diffugia lithophila</i>	51	85%	19	95%
<i>Diffugia minuta</i>	47	78%	20	100%
<i>Diffugia pulex</i>	47	78%	19	95%
<i>Netzelia oviformis</i>	47	78%	19	95%
<i>Diffugia linearis</i>	46	77%	18	90%
<i>Arcella hemisphaerica</i>	45	75%	19	95%
<i>Diffugia longicolis</i>	45	75%	18	90%
<i>Diffugia pristis</i>	42	70%	18	90%
<i>Diffugia globulosa</i>	41	68%	18	90%
<i>Centropyxis cassis spinifera</i>	40	67%	19	95%
<i>Centropyxis discoides</i>	39	65%	19	95%
<i>Centropyxis aerophila</i>	38	63%	19	95%
<i>Cylindriflugia lanceolata</i>	37	62%	13	65%
<i>Cylindriflugia elegans bicornis</i>	36	60%	19	95%
<i>Galeripora discoides</i>	35	58%	16	80%
<i>Netzelia gramen</i>	34	57%	15	75%
<i>Centropyxis aculeata</i>	33	55%	19	95%
<i>Centropyxis ecornis</i>	33	55%	18	90%
<i>Golemanskia viscidula</i>	27	45%	16	80%
<i>Zivkovicia spectabilis</i>	27	45%	17	85%
<i>Cyclopyxis kahli</i>	26	43%	16	80%
<i>Diffugia ampullula</i>	26	43%	15	75%
<i>Lesquereusia modesta</i>	23	38%	15	75%
<i>Arcella vulgaris</i>	22	37%	15	75%
<i>Centropyxis laevigata</i>	22	37%	14	70%
<i>Diffugia lacustris</i>	22	37%	17	85%
<i>Pontigulasia compressoidea</i>	22	37%	13	65%
<i>Centropyxis platystoma</i>	21	35%	13	65%
<i>Diffugia urceolata</i>	21	35%	10	50%
<i>Pontigulasia rhumbleri</i>	20	33%	12	60%
<i>Arcella gibbosa</i>	16	27%	7	35%
<i>Centropyxis gibba</i>	16	27%	10	50%
<i>Diffugia acutissima</i>	15	25%	8	40%
<i>Diffugia curvicaulis</i>	14	23%	11	55%
<i>Cyclopyxis eurystoma</i>	11	18%	10	50%

<i>Diffugia claviformis</i>	11	18%	6	30%
<i>Galeripora megastoma</i>	11	18%	9	45%
<i>Arcella rotundata</i>	10	17%	7	35%
<i>Cyphoderia ampulla</i>	10	17%	5	25%
<i>Diffugia distenda</i>	9	15%	9	45%
<i>Diffugia lebes</i>	9	15%	2	10%
<i>Diffugia avellana</i>	8	13%	7	35%
<i>Diffugia limnetica</i>	8	13%	7	35%
<i>Diffugia rubescens</i>	8	13%	6	30%
<i>Centropyxis orbicularis</i>	7	12%	6	30%
<i>Pontigulasia spiralis</i>	7	12%	4	20%
<i>Centropyxis elongata</i>	6	10%	6	30%
<i>Diffugia corona</i>	6	10%	4	20%
<i>Diffugia labiosa</i>	6	10%	4	20%
<i>Diffugia microclaviformis</i>	6	10%	5	25%
<i>Centropyxis janetscheki</i>	5	8%	4	20%
<i>Diffugia difficilis</i>	5	8%	5	25%
<i>Diffugia gassowskii</i>	5	8%	4	20%
<i>Centropyxis hirsuta</i>	4	7%	4	20%
<i>Diffugia levanderi</i>	4	7%	4	20%
<i>Diffugia lingula regularis</i>	4	7%	4	20%
<i>Diffugia lobostoma</i>	4	7%	3	15%
<i>Erugomicula bidens</i>	4	7%	3	15%
<i>Pseudodiffugia gracilis</i>	4	7%	4	20%
<i>Centropyxis hemisphaerica</i>	3	5%	3	15%
<i>Centropyxis marsupiformis obesa</i>	3	5%	3	15%
<i>Centropyxis minuta</i>	3	5%	3	15%
<i>Cryptodiffugia voighti</i>	3	5%	3	15%
<i>Diffugia bicornis</i>	3	5%	3	15%
<i>Diffugia perfilievi</i>	3	5%	2	10%
<i>Diffugia sinuata</i>	3	5%	3	15%
<i>Diffugia ventricosa</i>	3	5%	3	15%
<i>Cyclopyxis penardi</i>	2	3%	2	10%
<i>Cylindridiffugia elegans lepida</i>	2	3%	2	10%
<i>Diffugia gigantea</i>	2	3%	2	10%
<i>Diffugia lebes masurica</i>	2	3%	8	40%
<i>Diffugia lucida</i>	2	3%	2	10%
<i>Diffugia maxilabiosa</i>	2	3%	2	10%
<i>Diffugia scalpellum</i>	2	3%	2	10%
<i>Hyalosphenia elegans</i>	2	3%	2	10%
<i>Nebela collaris</i>	2	3%	2	10%
<i>Paraquadrula penardi</i>	2	3%	1	5%
<i>Centropyxis constricta</i>	1	2%	1	5%
<i>Centropyxis marsupiformis</i>	1	2%	1	5%
<i>Cryptodiffugia angustatostoma</i>	1	2%	1	5%
<i>Cryptodiffugia compressa</i>	1	2%	1	5%

<i>Cryptodifflugia psammophila</i>	1	2%	1	5%
<i>Cryptodifflugia sacculus</i>	1	2%	1	5%
<i>Cyphoderia calceolus</i>	1	2%	1	5%
<i>Cyphoderia trochus amphoralis</i>	1	2%	1	5%
<i>Difflugia angulostoma</i>	1	2%	1	5%
<i>Difflugia bicruris</i>	1	2%	1	5%
<i>Difflugia brevicolla</i>	1	2%	1	5%
<i>Difflugia cylindrus</i>	1	2%	1	5%
<i>Difflugia dujardini</i>	1	2%	1	5%
<i>Difflugia giganteacuminata</i>	1	2%	1	5%
<i>Lagenodifflugia bryophila</i>	1	2%	1	5%
<i>Nebela parvula</i>	1	2%	1	5%
<i>Oopyxis cyclostoma</i>	1	2%	1	5%
<i>Trigonopyxis arcula</i>	1	2%	1	5%