

Supplementary Table S4. Summary of eDNA sequence hit to the reference database by using BLASTN and TBLASTX, respectively.

Super Kingdom	Kingdom	Phylum	BlastN						TblastX							
			Reads			Species			Reads			Species				
			JBIF	NCBI Organella	Total	JBIF	NCBI Organella	Total	JBIF	NCBI Organella	Total	JBIF	NCBI Organella	Total		
Eukaryota	Metazoa	Arthropoda	547943	305763	853706	13245	3670	16915	339877	147355	487232	3113	2857	5970		
		Nemertea	36314	3724	40038	103	56	159	20	5108	5128	7	66	73		
		Cnidaria	33874	1489	35363	561	151	712	144484	195227	339711	541	596	1137		
		Annelida	26786	2229	29015	339	60	399	25920	15066	40986	161	173	334		
		Chordata	21079	11731	32810	244	467	711	80363	7925	88288	88	642	730		
		Mollusca	21536	8150	29686	1308	448	1756	23540	79235	102775	593	924	1517		
		Rotifera	16694	2	16696	72	2	74	14419	16795	31214	45	19	64		
		Porifera	10537	2381	12918	220	163	383	14262	47406	61668	218	378	596		
		Echinodermata	2081	9429	11510	165	84	249	321	40821	41142	27	152	179		
		Platyhelminthes	2027	271	2298	69	36	105	2405	852	3257	18	15	33		
		Nematoda	850	2127	2977	64	149	213	84	548	632	14	9	23		
		Bryozoa	398	15	413	32	5	37	6515	4698	11213	24	46	70		
		Chaetognatha	281	2	283	11	2	13	109	51	160	8	5	13		
		Brachiopoda	198	2	200	9	2	11	191	190	381	8	11	19		
		Tardigrada	110	0	110	4	0	4	6	16	22	2	5	7		
		Xenacoelomorpha	13	90	103	4	4	8	8	330	338	3	13	16		
		Gastrotricha	9	0	9	6	0	6	0	1398	1398	0	11	11		
		Placozoa	0	85	85	0	11	11	0	2104	2104	0	13	13		
		Hemichordata	0	1	1	0	1	1	0	304	304	0	38	38		
		Kinorhyncha	0	4	4	0	3	3	0	6	6	0	1	1		
		Entoprocta	0	1	1	0	1	1	0	2	2	0	1	1		
		Gnathostomulida	0	1	1	0	1	1	0	0	0	0	0	0		
		Acanthocephala	0	0	0	0	0	0	0	0	0	0	0	0		
		Onychophora	26474	3729	30203	100	15	115	86	28	114	30	10	40		
		Sub Total			747204	351226	1098430	16556	5331	21887	652610	565465	1218075	4900	5985	10885
		Fungi	Ascomycota	32354	55485	87839	174	404	578	604	5133	5737	52	259	311	
			Mucoromycota	59	7	66	9	6	15	3666	2306	5972	11	11	22	
			Basidiomycota	569	1749	2318	63	95	158	6296	1988	8284	22	64	86	
			Blastocladiomycota	54	2570	2624	4	11	15	0	0	0	0	0	0	
Chytridiomycota	6		50	56	5	12	17	0	1	1	0	1	1			
Zoopagomycota	0		1	1	0	1	1									
Sub Total				33042	59862	92904	255	529	784	10566	9428	19994	85	335	420	
Viridiplantae	Streptophyta	382	6603	6985	39	35	74	48338	27937	76275	31	131	162			
	Chlorophyta	80	23158	23238	1	55	56	3	55461	55464	2	90	92			
	Sub Total			462	29761	30223	40	90	130	48341	83398	131739	33	221	254	
Others	Apicomplexa	2	0	2	2	0	2	0	0	0	0	0	0			
	Bacillariophyta	44911	9496	54407	222	95	317	1813	11913	13726	95	110	205			
	Cryptophyta	0	4000	4000	0	26	26	0	5827	5827	0	42	42			
	Rhodophyta	15107	10245	25352	747	311	1058	67143	45823	112966	258	441	699			
	Sub Total			60020	23741	83761	971	432	1403	68956	63563	132519	353	593	946	
Bacteria	Proteobacteria	41958	0	41958	37	0	37	126025	0	126025	19	0	19			
	Cyanobacteria	174	0	174	11	0	11	0	0	0	0	0	0			
	Bacteroidetes	10	0	10	7	0	7	384	0	384	11	0	11			
	Firmicutes	0	8	8	0	4	4	0	55793	55793	0	11	11			
	Sub Total			42142	8	42150	55	4	59	126409	55793	182202	30	11	41	
Unclassified	-	121837	26776	148613	1389	340	1729	20781	195092	215873	205	418	623			
	Sub Total			121837	26776	148613	1389	340	1729	20781	195092	215873	205	418	623	
Total			1004707	491374	1496081	19266	6726	25992	927663	972739	1900402	5606	7563	13169		