Actinobacteria -	92	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3	0	0	0	0	0	2	0
Apicomplexa -	1	66	4	0	12	0	0	9	0	0	1	0	0	0	1	0	0	1	0	1	0	0	2	0	0	0	0	0	0	0
Arthropoda -	- 0	8	59	0	3	1	3	2	0	0	3	0	1	0	1	2	0	4	0	0	0	0	1	1	6	1	0	2	1	0
Artverviricota -	- 0	5	0	11	0	0	0	0	0	0	55	4	0	0	1	4	0	1	0	0	0	0	0	0	16	1	0	1	0	0
Ascomycota -	- 0	23	6	0	37	1	4	2	0	0	1	1	1	0	1	6	0	2	0	0	0	0	1	0	8	1	1	2	3	0
Bacillariophyta -	- 2	8	14	0	19	12	5	23	0	1	1	0	2	0	3	1	0	0	0	0	0	1	3	0	2	0	0	1	2	1
Bacteroidetes -	13	3	0	0	8	0	29	1	0	1	1	1	0	1	18	6	0	0	0	0	0	5	10	0	0	0	0	0	1	1
Basidiomycota -	- 0	0	1	0	12	1	0	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Candidatus Thermoplasmatota -	- 0	0	0	0	0	0	0	0	77	0	0	4	0	0	5	8	0	0	0	0	0	0	0	1	1	0	1	1	0	0
Chloroflexi -	- 3	0	0	0	0	0	11	0	0	37	0	0	4	0	3	10	0	0	0	0	0	1	26	0	0	1	0	1	0	0
Chordata -	0	1	0	0	0	0	0	0	0	0	96	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
Crenarchaeota -	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanobacteria -	0	1	0	0	0	0	2	0	0	4	0	0	81	0	1	2	0	0	0	0	0	1	5	0	0	1	0	0	1	0
Deinococcus-Thermus -	- 9	o	0	0	1	0	2	0	0	1	11	9	1	18	4	27	0	0	0	0	0	2	15	0	0	0	0	0	0	0
Euryarchaeota -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Firmicutes -	1	0	0	0	0	0	13	0	0	2	0	0	3	0	2	55	0	0	0	0	0	1	12	0	0	8	0	0	2	0
Kitrinoviricota -	0	1	0	0	2	1	0	0	0	3	9	0	2	0	0	0	39	0	2	0	0	0	1	0	36	0	2	0	2	0
Mollusca -	- 0	10	36	0	0	0	1	0	0	0	20	0	0	0	1	1	0	14	0	0	0	0	0	0	13	1	1	0	0	0
Negarnaviricota -	0	8	0	0	2	2	0	1	0	0	12	3	0	0	1	1	1	0	49	0	0	0	0	0	17	0	3	0	1	0
Peploviricota -	2	23	26	0	7	0	1	0	3	0	5	1	0	0	12	1	0	0	0	15	0	2	0	0	2	0	0	0	1	0
Pisuviricota -	0	6	0	0	7	5	3	2	0	0	15	1	5	0	1	0	0	2	0	0	13	0	0	0	27	1	1	0	9	0
Planctomycetes -	20	1	0	0	1	0	3	2	0	2	0	0	1	1	2	2	0	0	0	0	0	29	30	0	0	0	0	0	4	3
Proteobacteria -	7	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	87	0	0	0	0	0	1	0
Spirochaetes -	1	1	0	0	0	0	3	0	0	1	0	1	1	0	14	14	0	0	0	0	0	2	9	38	1	9	0	1	2	1
Streptophyta -	0	5	4	0	3	0	0	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	80	1	0	0	0	0
Tenericutes -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	97	0	0	0	0
Thaumarchaeota -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	96	0	0	0
Thermotogae -	0	1	0	0	0	0	1	0	0	0	0	1	0	0	5	13	0	0	0	0	0	0	2	1	0	6	0	70	0	0
Uroviricota -	11	0	0	0	0	0	0	0	0	2	0	0	0	3	0	1	0	0	0	0	0	1	8	0	0	0	0	0	74	0
Verrucomicrobia -	13	0	0	0	0	0	6	0	0	1	0	0	0	1	1	0	0	0	0	0	0	6	33	0	0	0	0	0	0	38
	cteria -	lexa -	opoda -	iricota -	cota -	phyta -	etes -	cota -	tota -	roflexi -	data -	aeota -	cteria -	mus -	aeota -	icutes -	iricota -	usca -	iricota -	ricota -	ricota -	cetes -	cteria -	etes -	phyta -	icutes -	aeota -	togae -	iricota -	crobia -
	Actinobac	Apicomplexa	Arthrop	Artverviri	Ascomyco	lariop	Bacteroidetes	Basidiomycota	lasma	Chlorc	Chordata	archa	Cyanobac	s-Ther		Firmic	Kitrinoviri	Mollus	naviri	Peploviri	Pisuviri	_		Spirochaetes	Streptop	Teneric	archa	Thermot	Uroviri	omicr
	Actir	Ар	∢	Art	As	Bacillario	Bac	Basi	ermop	J		Crenarch	Cyar	coccus	Euryarch		Kitri		Negarnavi	Pel	Д.	Planctomy	Proteoba	Spi	Str	۳	Thaumarch	The	_	Verrucomi
									Candidatus Thermoplasmatota					Deinococcus-Thermu													_			-
									ndidat																					
									Car						Predi	icted														