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ESTUDI DELS PROTOZOUS CILIATS EN PLANTES DE
TRACTAMENT BIOLÒGIC DE LES AIGÜES RESIDUALS

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per a Optar al grau de Doctor
en Ciències Biològiques per
la Universitat de Barcelona

Barcelona setembre de 1990

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ABREVIACIONS MES UTILITZADES

EDAR o E.D.A.R.= ESTACIO DEPURADORA D'AIGUES RESIDUALS

E. = ESTACIO

DP= DECANTADOR PRIMARI

DS= DECANTADOR SECUNDARI

SS o S.S.= SOLIDS EN SUSPENSIO

MLSS= SOLIDS EN SUSPENSIO DEL TANC D'AIREACIO

MLSSV= SOLIDS EN SUSPENSIO VOLATILS DEL TANC D'AIREACIO

K o kg= QUILOGRAM

IVF= INDEX VOLUMETRIC DE FANGS

MAX= MAXIM

MIN= MINIM

DIV./DIA= DIVISIONS/DIA

ANEXE

Primerament hem representat les equacions resultants de les regressions multivariants, segons l'ordre següent:

- 1-ESTACIO DEPURADORA D'AIGUES RESIDUALS DE GAVA-VILADECANS
- 2-ESTACIO DEPURADORA D'AIGUES RESIDUALS DE CASTELLDEFELS
- 3-ESTACIO DEPURADORA D'AIGUES RESIDUALS DE CIUTAT BADIA

on:

Y= PARAMETRE FISICO-QUIMIC.
X= ORGANISMES CILIATS O ORGANISMES ACOMPANYANTS.

- 4-ESTACIO DEPURADORA D'AIGUES RESIDUALS DE GAVA-VILADECANS
- 5-ESTACIO DEPURADORA D'AIGUES RESIDUALS DE CASTELLDEFELS

on:

Y= ORGANISME CILIAT O ORGANISME ACOMPANYANT.
X= PARAMETRES FISICO-QUIMICS.

Segonament s'ha representat les dades de velocitat de divisió cel.lular emprades. Hem de tenir en compte que aquestes dades són relatives alhora d'evaluar el creixement dels microorganismes filamentosos i dels rotífers. Ja que els microorganismes filamentosos els comptem per metres i no per individus i els rotífers els comptem com a individus sense diferenciar el nombre de cèl.lules.

Les dades de velocitat de divisió es mostres segons l'ordre següent:

- 1-ESTACIO DEPURADORA D'AIGUES RESIDUALS DE GAVA-VILADECANS
- 2-ESTACIO DEPURADORA D'AIGUES RESIDUALS DE CASTELLDEFELS
- 3-ESTACIO DEPURADORA D'AIGUES RESIDUALS DE CIUTAT BADIA

REGRESSIONS MULTIVARIANTS DE L'ESTACIO DE GAVA

	DRQS DS	RENDIMENT	S.S. DP	S.S. DS	RENDIMENT	EDAT DELS	O2 MAX	O2 MIN
	DRQS	DRQS		S. S.	FANES			
CONSTANT	20.97	85.029	76.78	6.60969	92.56	-1.92785	5.545	3.4116
ERR STD DE Y	7.01	15.62	24.7	6.0309	6.65	2.6	1.57	1.78
R AL QUADRAT	0.58	0.7184	0.68	0.6052	0.58	0.9354	0.83	0.7062
NOMBRE D'OBSERVACIONS	67	67	54	54	54	67	67	67
GRAUS DE LLIBERTAT	34	32	27	27	27	34	34	32
COEFICIENTS X								
Litonotus lamella	0.0018	0.0028	0.0190	-0.0016	0.0043	-0.0027	0.4864	0.4845
Spathidium sp.	-0.1200	0.1330				0.0236	-0.0749	-0.0576
Chilodonella uncinata	-0.0118	-0.0002	-0.0748	-0.0180	0.0382	0.0220	0.0019	-0.0052
Trochilia minuta	-0.0054	0.0106		-0.0104		0.0049	-0.0018	-8.3E-05
Acineta tuberosa	-0.1233	0.0718	-0.2027		-0.0415	0.0351	-0.0018	-0.0080
Tokophrya quatripartita	0.0530	0.1000				-0.0127	-0.0539	-0.0189
Tokophrya sp.	-2.1450						2.3555	0.2444
Podophrya sp.	0.0890	-0.7000	-0.0255	-0.1433	0.1447		-0.0014	-0.0218
Uronema marinum	0.0008	0.0014	0.0140	-0.0041	0.0044	-0.0004	-0.0005	0.0003
Cine. margaritaceum	0.0011	-0.0090		0.0040		-0.0004	0.0033	0.0035
Paranecium aurelia	0.4565	-1.3477				0.0596	0.0892	0.9053
Vorticella convallaria			0.0321	-0.0035	0.0029	0.0008	-0.3642	3.7E-05
Vorticella microstoma	0.0001	0.0020	0.0055	-0.0037	0.0039	0.0017	0.0001	
Vorticella sp.	0.0490	-0.0361	0.0118		-0.0540	0.0043	-0.0286	
Zoothamnium sp.	0.0150	-0.0249	-0.0209	0.0006	0.0039	-0.0095	0.0054	0.0063
Opercularia sp.	-0.0050	0.0107	-0.0013	-0.0060	0.0048	0.0005	-0.0001	0.0005
Opercularia microdiscum								
Opercularia curvicaula	-0.0006	0.0012	0.0144	-0.0042	0.0044	0.0021	-0.0004	-0.0002
Epistylis plicatilis	-0.0083	0.0170	0.0660		-0.0040	-0.0049		0.0015
Vaginicola cristallina	0.0052	-0.0355	0.0115	0.0045	-0.0686	-0.0707		
Carchesium polypinum	0.0044	-0.0033		-0.0050	0.0040		-0.0027	-0.0024
Oxytricha sp.	-0.0026	-0.0679		0.0272	-0.2653	0.0108	0.0002	-0.0014
Euplotes sp.	-0.0303	-0.0047	-0.6400	-0.0958	0.1340	0.1351	-0.0403	-0.0348
Aspidisca cicada	-0.0009	0.0009	0.0124	-0.0049	0.0052	0.0014		
Tetotrocs	-0.0008	0.0579	0.3064	-0.0268	0.0617	0.0066	0.0054	-0.0011
T. 0961		-0.0031	-0.0124	0.0092	-0.0140	0.0039	0.0003	-0.0004
T. 0914	0.009	0.0029	0.1100	-0.0024		0.0194	-0.0011	-0.0038
Flagel.lats < 20 um.	4.70E-07	3.90E-06	9.00E-03	4.40E-03	-3.7E-03	1.40E-06	-9.2E-07	-8.7E-07
Flagel.lats >20 um.		-0.1237				0.0368	-0.0059	-0.0483
Gimnamebes < 50 um.	5.20E-06	-4.3E-05	3.70E-02	-0.0114	8.10E-03	3.90E-06	4.90E-06	1.05E-05
Gimnamebes >50 um.		0.0018	0.0126	-0.0078	0.0137	0.0014		-0.0023
Arcella sp.	-0.1317	0.0470	-0.3600		0.0827	0.0080	0.0350	
Dentropyxis sp.		-0.5600	-1.9700	-0.0110	-0.1324	0.3070		-0.0481
Euglypha sp.		0.0228				0.2708	-0.0095	0.0073
Rotifers	0.0306	0.0754		-0.0462	0.1007	-0.0036	-0.0101	0.0047
Nematodes	0.0092	-0.2925	0.3165	-0.0500	0.0715	-0.0530	0.0092	0.0387
Oligoquets								
Ciliats	0.0005	0.0005	-0.0118	0.0043	0.0043	-0.0007	0.0002	2.04E-05
Diversitat Ciliats	-1.4194	-4.8820	2.3600	3.6473	-4.9835	4.3355	0.4367	-0.0974
Teacamebes	0.0790		0.3618				-0.0169	-0.0058

Regressions multivariants

Constante 178.779 E. CASTELLDEFELS
 Err Std de Y Est 63.7871
 R al Cuadrado 0.56312 Y = DSD 5 DP
 Ng de Observaciones 38
 Grados de Libertad 24
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X -0.1228 -0.3332 -0.0486 -0.1275 -0.1338 -0.1151 -0.1331 -0.1067 0.40281 0.12717 21.817 -0.0008 -0.0046
 Err Std de Coef. 0.12685 0.51471 0.08946 0.08361 0.08316 0.08892 0.08426 0.08369 0.54310 0.08359 25.339 0.00090 0.00583

Constante 138.637 E. CASTELLDEFELS
 Err Std de Y Est 41.9979
 R al Cuadrado 0.62355 Y = SS DP
 Ng de Observaciones 35
 Grados de Libertad 21
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.01611 -0.4869 0.00167 -0.0299 -0.0277 -0.0241 -0.0316 -0.0159 -0.5114 0.02897 26.056 0.00009 -0.0016
 Err Std de Coef. 0.09202 0.35023 0.07206 0.06755 0.06726 0.06809 0.06620 0.06725 0.37450 0.06757 18.722 0.00061 0.00415

Constante 0.63403 E. CASTELLDEFELS
 Err Std de Y Est 0.09419
 R al Cuadrado 0.53069 Y = RENDIMENT DBOS
 Ng de Observaciones 36
 Grados de Libertad 22
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X -0.0001 -0.0004 -0.0000 -0.0001 -0.0001 -0.0000 -0.0001 -0.0001 0.00060 0.00012 0.1319 0.00000 0.00000
 Err Std de Coef. 0.00020 0.00077 0.00016 0.00015 0.00015 0.00015 0.00014 0.00015 0.00085 0.00015 0.0434 0.00000 0.00000

Constante 46.1183 E. CASTELLDEFELS
 Err Std de Y Est 10.6207
 R al Cuadrado 0.67213 Y = RENDIMENT SS
 Ng de Observaciones 35
 Grados de Libertad 21
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.00323 -0.0516 -0.0125 -0.0145 -0.0141 -0.0117 -0.0149 -0.0129 0.11278 0.01489 16.400 0.00049 0.00173
 Err Std de Coef. 0.02327 0.08859 0.01822 0.01709 0.01701 0.01722 0.01674 0.01701 0.09472 0.01709 4.7359 0.00015 0.00105

Constante 64.8266 E. CASTELLDEFELS
 Err Std de Y Est 18.5605
 R al Cuadrado 0.45941 Y = DSD5 SORTIDA
 Ng de Observaciones 38
 Grados de Libertad 24
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.00654 0.06189 0.01411 0.00830 0.00724 0.00674 0.00843 0.00628 -0.0046 -0.0089 -22.67 -0.0002 -0.0016
 Err Std de Coef. 0.03691 0.14976 0.02603 0.02433 0.02419 0.02584 0.02451 0.02435 0.15803 0.02432 7.3732 0.00026 0.00149

Constante 2.86704 E. CASTELLDEFELS
 Err Std de Y Est 1.33083
 R al Cuadrado 0.40381 Y = EDAT DELS FANSS (*) = -0.000098
 N_o de Observaciones 73
 Grados de Libertad 59
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gianna.
 Coeficiente(s) X 0.00140 -0.0142 0.00192 0.00080 0.00075 0.00125 0.00067 0.00066 0.00493 -0.0007 1.2031 (*) 0.00011
 Err Std de Coef. 0.00069 0.00636 0.00064 0.00047 0.00046 0.00066 0.00049 0.00049 0.00323 0.00046 0.3832 0.00001 0.00010

Constante 87.1172 E. CASTELLDEFELS
 Err Std de Y Est 22.0168
 R al Cuadrado 0.54490 Y = SS DS
 N_o de Observaciones 35
 Grados de Libertad 21
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gianna.
 Coeficiente(s) X -0.0031 0.01025 0.01446 0.01251 0.01190 0.00784 0.01204 0.01152 -0.2708 -0.0132 -24.05 -0.0007 -0.0029
 Err Std de Coef. 0.04825 0.15365 0.03778 0.03542 0.03526 0.03570 0.03471 0.03526 0.19637 0.03543 9.8175 0.00032 0.00217

Constante 1.25210 E. CASTELLDEFELS
 Err Std de Y Est 0.26412
 R al Cuadrado 0.56232 Y = OXIGEN DISSOLT
 N_o de Observaciones 31
 Grados de Libertad 17
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gianna.
 Coeficiente(s) X 0.00036 -0.0036 -0.0002 -0.0001 -0.0001 -0.0001 -0.0002 -0.0001 -0.0030 0.00010 -0.009 0.00001 0.00004
 Err Std de Coef. 0.00029 0.00192 0.00022 0.00010 0.00010 0.00014 0.00015 0.00010 0.00175 0.00010 0.1637 0.00001 0.00002

Regressions multivariants

Constante 7.42676 E. CASTELLDEFELS
 Err Std de Y Est 0.49383
 R al Cuadrado 0.09802 Y = pH DF
 Nq de Observaciones 76
 Grados de Libertad 62
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.00001 -0.00041 -0.00000 -0.00000 -0.00000 -0.00001 -0.00000 -0.00000 -0.00000 0.00007 -0.087 -0.0000 0.00001
 Err Std de Coef. 0.00025 0.00235 0.00023 0.00017 0.00017 0.00024 0.00018 0.00018 0.00119 0.00017 0.1374 0.00000 0.00003

Regressions multivariants

Salida de Regresión:
 Constante 7.89567 E. CASTELLDEFELS (*) = -0.0000013857
 Err Std de Y Est 0.18197 (**) = 0.000003968
 R al Cuadrado 0.54661 Y = pH DS (e) = 0.0000020313
 Nq de Observaciones 30 (ee) = 0.0000173817
 Grados de Libertad 16
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.00011 -0.0007 0.00005 0.00007 0.00009 -0.0006 0.00001 0.00068 0.00034 -0.0000 -0.063 (*) (e)
 Err Std de Coef. 0.00036 0.00161 0.00014 0.00008 0.00008 0.00030 0.00011 0.00024 0.00158 0.00008 0.1091 (**) (ee)

Regressions multivariants

Salida de Regresión:
 Constante 49.1257 E. CASTELLDEFELS (*) = -0.0000341231
 Err Std de Y Est 6.07920 (**) = 0.0000551504
 R al Cuadrado 0.25079 Y = ALCALINITAT DP (e) = -0.0000503348
 Nq de Observaciones 76 (ee) = 0.0004754489
 Grados de Libertad 62
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.01012 -0.0379 0.00122 0.00337 0.00298 0.00284 0.00339 0.00199 -0.0050 -0.0033 1.5141 (*) (e)
 Err Std de Coef. 0.00314 0.02905 0.00293 0.00214 0.00213 0.00304 0.00223 0.00223 0.01472 0.00213 1.6917 (**) (ee)

Regressions multivariants

Salida de Regresión:
 Constante 46.4311 E. CASTELLDEFELS (*) = -0.0000182992
 Err Std de Y Est 5.37691 (**) = 0.0000493953
 R al Cuadrado 0.42908 Y = ALCALINITAT DS (e) = -0.0000552245
 Nq de Observaciones 72 (ee) = 0.0004226133
 Grados de Libertad 56
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.03210 0.03483 0.00211 0.00401 0.00354 0.00309 0.00391 0.00129 -0.0095 -0.0040 -1.101 (*) (e)
 Err Std de Coef. 0.00276 0.02570 0.00259 0.00190 0.00189 0.00280 0.00193 0.00197 0.01302 0.00190 1.5148 (**) (ee)

Regressions multivariants

Constante 283.252 E. CASTELLDEFELS
 Err Std de Y Est 62.8926
 R al Cuadrado 0.33329 Y = 804 DP
 Ng de Observaciones 37
 Grados de Libertad 23
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X -0.0462 0.23587 0.11034 0.00580 0.00546 -0.0010 -0.0076 -0.0208 -0.1570 -0.0056 45.701 -0.0014 -0.0033
 Err Std de Coef. 0.11444 0.39858 0.12661 0.10721 0.10681 0.11243 0.10701 0.10929 0.21905 0.10715 33.505 0.00125 0.00602

Constante 274.053 E. CASTELLDEFELS
 Err Std de Y Est 60.3677
 R al Cuadrado 0.46937 Y = 804 DS
 Ng de Observaciones 37
 Grados de Libertad 23
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X -0.0632 0.33699 0.06452 -0.0047 -0.0087 -0.0308 -0.0186 -0.0329 -0.4884 0.00514 71.083 -0.0013 -0.0019
 Err Std de Coef. 0.10985 0.38257 0.12153 0.10291 0.10253 0.10792 0.10272 0.10394 0.21026 0.10285 32.160 0.00120 0.00578

Constante 1036.91 E. CASTELLDEFELS
 Err Std de Y Est 196.096
 R al Cuadrado 0.27899 Y = 01- DP
 Ng de Observaciones 37
 Grados de Libertad 23
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X -0.0698 0.27860 0.06622 0.05373 0.04770 0.00852 0.08321 0.05069 0.29521 -0.0552 -9.972 -0.0067 -0.0096
 Err Std de Coef. 0.36684 1.24275 0.39478 0.33430 0.33305 0.35056 0.33367 0.33765 0.68300 0.33410 104.46 0.00391 0.01879

Constante 1039.79 E. CASTELLDEFELS
 Err Std de Y Est 132.106
 R al Cuadrado 0.39243 Y = 01- DS
 Ng de Observaciones 36
 Grados de Libertad 22
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X -0.0044 0.56239 0.11764 0.08813 0.07786 -0.0020 0.09735 0.10109 0.43112 -0.0868 -39.38 -0.0055 -0.0072
 Err Std de Coef. 0.24300 0.84023 0.26625 0.22747 0.22665 0.23936 0.22689 0.22998 0.44375 0.22740 76.919 0.00264 0.01270

Constante 3.28649 E. CASTELLDEFELS
 Err Std de Y Est 0.32042
 R al Cuadrado 0.26993 Y = CONDUCTIVITAT DP
 Ng de Observaciones 76
 Grados de Libertad 62
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.00004 0.00155 0.00021 0.00004 0.00002 -0.0000 0.00005 0.00007 0.00216 -0.0000 -0.092 -0.0000 0.00000
 Err Std de Coef. 0.00016 0.00153 0.00015 0.00011 0.00011 0.00016 0.00011 0.00011 0.00077 0.00011 0.0291 0.00000 0.00002

Constante 3.24374 E. CASTELLDEFELS
 Err Std de Y Est 0.33277
 R al Cuadrado 0.35454 Y = CONDUCTIVITAT DS
 Ng de Observaciones 75
 Grados de Libertad 61
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.00011 0.00264 0.00021 0.00008 0.00005 -0.0001 0.00007 0.00012 0.00234 -0.0000 -0.120 -0.0000 0.00001
 Err Std de Coef. 0.00017 0.00159 0.00016 0.00011 0.00011 0.00016 0.00012 0.00012 0.00080 0.00011 0.0931 0.00000 0.00002

Constante 3.46018 E. CASTELLDEFELS
 Err Std de Y Est 0.38339
 R al Cuadrado 0.29778 Y = CONDUCTIVITAT REACTOR
 Ng de Observaciones 73
 Grados de Libertad 59
 Liton. Chilod. PodophryUronema Vortice.Episty. OperculaAspidi. Euplot. Ciliat. Diver. Flag. Gimna.
 Coeficiente(s) X 0.00001 0.00343 0.00022 0.00003 0.00001 -0.0000 0.00005 0.00006 0.00149 -0.0000 -0.137 -0.0000 -0.0000
 Err Std de Coef. 0.00019 0.00193 0.00018 0.00013 0.00013 0.00019 0.00014 0.00014 0.00093 0.00013 0.1080 0.00000 0.00003

Regressions multivariants

Constante 347.253 E. CIUTAT BADIA
 Err Std de Y Est 53.0082
 R al Cuadrado 0.4823 Y =DB05 D.F.
 Ng de Observaciones 47
 Grados de Libertad 34
 X = Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.
 Coeficiente(s) X -0.0297 0.7160 -0.1368 0.0061 0.0082 0.0014 0.0056 -0.0007 -0.0075 0.0227 -0.0045 -13.9039
 Err Std de Coef. 0.0609 0.5122 0.0642 0.0400 0.0398 0.0398 0.0398 0.0016 0.0082 0.0245 0.0393 22.3637

Constante 211.249 E. CIUTAT BADIA
 Err Std de Y Est 30.1986
 R al Cuadrado 0.5670 Y =SS DF
 Ng de Observaciones 51
 Grados de Libertad 38
 X = Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.
 Coeficiente(s) X 0.0590 -0.2576 0.0356 0.0458 0.0414 0.0412 0.0421 -0.0003 -0.0045 0.0140 -0.0429 -3.0379
 Err Std de Coef. 0.0187 0.1753 0.0353 0.0147 0.0147 0.0152 0.0149 0.0009 0.0043 0.0107 0.0149 11.0457

Constante 85.9286 E. CIUTAT BADIA
 Err Std de Y Est 5.25134
 R al Cuadrado 0.5516 Y =RENDIMENT DB05
 Ng de Observaciones 16
 Grados de Libertad 8
 X = Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.
 Coeficiente(s) X -0.0018 0.0247 0.0225 0.0004 -0.0005 -0.0001 0.0004
 Err Std de Coef. 0.0039 0.0717 0.0131 0.0004 0.0007 0.0033 0.0003

Constante 84.1469 E. CIUTAT BADIA
 Err Std de Y Est 4.96307
 R al Cuadrado 0.5328 Y =RENDIMENT DB05
 Ng de Observaciones 16
 Grados de Libertad 10
 X = Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.
 Coeficiente(s) X -0.0003 -0.0045 0.0140 -0.0429 -3.0379
 Err Std de Coef. 0.0009 0.0043 0.0107 0.0149 11.0457

Constante 64.9820 E. CIUTAT BADIA
 Err Std de Y Est 8.70042
 R al Cuadrado 0.5224 Y =RENDIMENT SS
 Ng de Observaciones 47
 Grados de Libertad 34
 X = Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.
 Coeficiente(s) X -0.0006 -0.0607 0.00013 -0.0010 -0.00069 -0.0028 -0.0019 -0.00004 -0.0018 0.00344 0.00204 11.17756
 Err Std de Coef. 0.00553 0.05070 0.01031 0.00427 0.004264 0.00442 0.00434 0.000271 0.00123 0.00319 0.00434 5.861971

Constante	41.6458	E. CIUTAT BADIA									
Err Std de Y Est	15.7964										
R al Cuadrado	0.5999	Y =DBDS SORTIDA									
Nº de Observaciones	14										
Grados de Libertad	6										
X =	Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.										
Coficiente(s) X	0.00587	-0.0647	-0.0675	-0.0008	0.001413	-0.0015	-0.0006				
Err Std de Coef.	0.01250	0.22795	0.04417	0.00111	0.002482	0.01020	0.00101				

Constante	50.5467	E. CIUTAT BADIA									
Err Std de Y Est	14.2160										
R al Cuadrado	0.5679	Y =DBDS SORTIDA									
Nº de Observaciones	14										
Grados de Libertad	8										
X =	Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.										
Coficiente(s) X						-0.00113	-0.0034	0.00744	-0.0002	-15.5705	
Err Std de Coef.						0.000912	0.00228	0.01068	0.00066	11.34346	

Constante	8.95529	E. CIUTAT BADIA										
Err Std de Y Est	1.92497											
R al Cuadrado	0.6767	Y =EDAT DELS FANGS										
Nº de Observaciones	66											
Grados de Libertad	53											
X =	Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.											
Coficiente(s) X	-0.0003	0.02216	-0.0003	0.00054	0.000894	0.00034	0.00062	0.000063	0.00029	0.00158	-0.0007	-1.42124
Err Std de Coef.	0.00055	0.00847	0.00131	0.00036	0.000392	0.00041	0.00039	0.000050	0.00022	0.00063	0.00038	0.651698

Constante	62.0558	E. CIUTAT BADIA										
Err Std de Y Est	12.9136											
R al Cuadrado	0.4872	Y = SOLIDS EN SUSPENSIO DS										
Nº de Observaciones	51											
Grados de Libertad	38											
X =	Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.											
Coficiente(s) X	0.01359	0.04661	0.00825	0.01172	0.011063	0.01408	0.01309	-0.00025	0.00140	-0.0033	-0.0131	-17.3884
Err Std de Coef.	0.00810	0.07014	0.01516	0.00630	0.006286	0.00654	0.00640	0.000393	0.00181	0.00454	0.00640	5.666789

Constante	1.99502	E. CIUTAT BADIA										
Err Std de Y Est	0.69760											
R al Cuadrado	0.3798	Y =OXIGEN DISSOLT										
Nº de Observaciones	67											
Grados de Libertad	54											
X =	Litono. Chilodo.Uronema.Vortice.Epistyl. Oper. Aspi. Flage. Gimna. Nocar.d CILI. Dive.											
Coficiente(s) X	0.00004	-0.0004	0.00114	-0.0000	-0.00011	-0.0000	-0.0001	0.000011	0.00005	0.00003	0.00012	-0.04168
Err Std de Coef.	0.00020	0.00307	0.00047	0.00013	0.000142	0.00015	0.00014	0.000018	0.00007	0.00022	0.00014	0.226300

Constante	-1987.6	E. GAVA-VILADECANS							
Err Std de Y Est	583.409								
R al Cuadrado	0.22291	Y = <i>Litonotus</i>							
N _o de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP	DB05 DS	SS DP	SS DS	REND SS	REND DBO	EDAT	O2	
Coficiente(s) X	0.18244	-53.518	2.61865	49.9065	38.6003	-13.680	-13.611	51.8362	
Err Std de Coef.	3.94052	29.8174	6.89590	57.5764	50.4230	37.6186	16.8668	55.6775	

Constante	3393.85	E. GAVA-VILADECANS							
Err Std de Y Est	237.760								
R al Cuadrado	0.24638	Y = <i>Chilodonella uncinata</i>							
N _o de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP	DB05 DS	SS DP	SS DS	REND SS	REND DBO	EDAT	O2	
Coficiente(s) X	-0.2557	-0.8595	4.96824	-45.301	-43.800	7.68217	-6.3878	-17.974	
Err Std de Coef.	1.60590	12.1517	2.81033	23.4645	20.5492	15.3309	6.87388	22.6906	

Constante	2431.87	E. GAVA-VILADECANS							
Err Std de Y Est	353.343								
R al Cuadrado	0.26066	Y = <i>Trochilia minuta</i>							
N _o de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP	DB05 DS	SS DP	SS DS	REND SS	REND DBO	EDAT	O2	
Coficiente(s) X	2.82388	-32.020	-5.9738	13.4467	25.9511	-49.985	6.92423	49.8504	
Err Std de Coef.	2.38659	18.0590	4.17653	34.8713	30.5388	22.7838	10.2154	33.7213	

Constante	-238.91	E. GAVA-VILADECANS							
Err Std de Y Est	12.0076								
R al Cuadrado	0.40696	Y = <i>Podophrya</i> sp.							
N _o de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP	DB05 DS	SS DP	SS DS	REND SS	REND DBO	EDAT	O2	
Coficiente(s) X	-0.2473	-0.2370	0.20021	1.36193	0.70313	2.20631	-0.7765	-0.1286	
Err Std de Coef.	0.08110	0.61369	0.14193	1.18502	1.03779	0.77425	0.34715	1.14594	

Constante	-15068.	E. GAVA-VILADECANS							
Err Std de Y Est	1372.17								
R al Cuadrado	0.17959	Y = <i>Uronema marinum</i>							
N _o de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP	DB05 DS	SS DP	SS DS	REND SS	REND DBO	EDAT	O2	
Coficiente(s) X	-16.141	8.21274	17.1681	46.3378	13.3453	166.885	-28.844	-1.9400	
Err Std de Coef.	9.26809	70.1305	16.2191	135.419	118.594	88.4788	39.6708	130.953	

Constante	563.842	E. GAVA-VILADECANS							
Err Std de Y Est	42.6148								
R al Cuadrado	0.35863	Y = Acineta tuberosa							
Nº de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2								
Coficiente(s) X	0.07980 -1.4649 0.36534 -5.1286 -4.5984 -1.0289 -0.2053 -6.6590								
Err Std de Coef.	0.28783 2.17800 0.50370 4.20564 3.68312 2.74783 1.23203 4.06694								

Constante	12185.8	E. GAVA-VILADECANS							
Err Std de Y Est	1333.99								
R al Cuadrado	0.28646	Y = Vorticella convallaria							
Nº de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2								
Coficiente(s) X	4.86885 77.1576 7.28493 -232.31 -211.67 92.7757 -81.065 -118.70								
Err Std de Coef.	9.01021 68.1792 15.7678 131.651 115.294 86.0170 38.5670 127.309								

Constante	7086.43	E. GAVA-VILADECANS							
Err Std de Y Est	1472.46								
R al Cuadrado	0.54447	Y = Vorticella microstoma							
Nº de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2								
Coficiente(s) X	4.37071 199.606 0.57952 -63.657 -68.761 -41.055 54.7566 182.370								
Err Std de Coef.	9.94549 75.2564 17.4045 145.317 127.262 94.9458 42.5703 140.524								

Constante	8842.51	E. GAVA-VILADECANS							
Err Std de Y Est	768.666								
R al Cuadrado	0.33314	Y = Opercularia curvicaula							
Nº de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2								
Coficiente(s) X	-2.1557 -2.8619 24.4710 -94.210 -111.26 2.02106 13.8741 50.8559								
Err Std de Coef.	5.19180 39.2857 9.08565 75.8594 66.4344 49.5641 22.2228 73.3576								

Constante	4475.38	E. GAVA-VILADECANS							
Err Std de Y Est	554.194								
R al Cuadrado	0.38049	Y = Epistylis							
Nº de Observaciones	39								
Grados de Libertad	30								
X =	DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2								
Coficiente(s) X	-1.8049 9.00651 7.74024 -95.927 -85.964 36.0172 37.0083 16.7906								
Err Std de Coef.	3.74319 28.3243 6.55058 54.6931 47.8980 35.7348 16.0222 52.8894								

Constante 3683.83 E. GAVA-VILADECANS
 Err Std de Y Est 88.2308
 R al Cuadrado 0.69146 Y = *Vaginicola cristallina*
 N_o de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2
 Coeficiente(s) X 0.55677 -8.1799 2.69297 -30.773 -27.955 -11.530 -4.2273 -9.5847
 Err Std de Coef. 0.59593 4.50939 1.04288 8.70746 7.62563 5.68918 2.55083 8.42029

Constante 5050.79 E. GAVA-VILADECANS
 Err Std de Y Est 621.005
 R al Cuadrado 0.40930 Y = *Carchesium polypinum*
 N_o de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2
 Coeficiente(s) X 2.87965 -37.646 -9.5436 26.5386 48.5745 -91.239 1.10630 -74.399
 Err Std de Coef. 4.19446 31.7390 7.34029 61.2868 53.6724 40.0429 17.9538 59.2656

Constante 39.5607 E. GAVA-VILADECANS
 Err Std de Y Est 6.12875
 R al Cuadrado 0.44805 Y = *Euplotes sp.*
 N_o de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2
 Coeficiente(s) X -0.0099 0.08912 0.04390 -0.9244 -0.7484 0.28531 0.60282 0.57126
 Err Std de Coef. 0.04139 0.31323 0.07244 0.60484 0.52969 0.39518 0.17718 0.58489

Constante -54193. E. GAVA-VILADECANS
 Err Std de Y Est 3337.20
 R al Cuadrado 0.38586 Y = *Aspidisca cicada*
 N_o de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2
 Coeficiente(s) X -10.646 80.8987 -87.243 335.078 540.640 155.476 -14.541 56.6089
 Err Std de Coef. 22.5405 170.561 39.4458 329.347 288.429 215.185 96.4817 318.486

Constante -30389. E. GAVA-VILADECANS
 Err Std de Y Est 4333.78
 R al Cuadrado 0.17872 Y = *Ciliats*
 N_o de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2
 Coeficiente(s) X -18.072 183.800 -39.078 -2.9840 203.965 250.576 -35.458 208.191
 Err Std de Coef. 29.2717 221.495 51.2253 427.699 374.561 279.445 125.293 413.594

Constante -8E+06 E. GAVA-VILADECANS
 Err Std de Y Est 616953.
 R al Cuadrado 0.19803 Y =Flagelats
 N_o de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DB0 EDAT 02
 Coeficiente(s) X -8042.7 32935.1 3949.6 50388. 42212.6 49713.3 -15819 -13823.79
 Err Std de Coef. 4167.09 31531.8 7292.4 60886. 53322.2 39781.6 17836. 58878.89

Constante -33229. E. GAVA-VILADECANS
 Err Std de Y Est 61911.4
 R al Cuadrado 0.15303 Y =Gimnamebes <50 †m.
 N_o de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DB0 EDAT 02
 Coeficiente(s) X -243.35 1572.47 -0.513 2476.3 1917.54 -1509.6 -156.1 4196.726
 Err Std de Coef. 418.168 3164.23 731.79 6110.0 5350.89 3992.09 1789.9 5908.511

Constante 1286.12 E. GAVA-VILADECANS
 Err Std de Y Est 60.5260
 R al Cuadrado 0.57917 Y =Rotifers
 N_o de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DB0 EDAT 02
 Coeficiente(s) X 0.24740 -4.8491 0.4182 -9.329 -6.6557 -7.0356 5.3764 -1.36928
 Err Std de Coef. 0.40881 3.09342 0.7154 5.9732 5.23116 3.90276 1.7498 5.776299

Constante 63.2925 E. GAVA-VILADECANS
 Err Std de Y Est 16.0015
 R al Cuadrado 0.26615 Y =Nematodes
 N_o de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DB0 EDAT 02
 Coeficiente(s) X 0.00853 0.34584 0.0030 0.4521 0.81190 -1.6063 0.3657 0.478826
 Err Std de Coef. 0.10907 0.81782 0.1891 1.5791 1.38298 1.03179 0.4626 1.527106

Constante 1743.15 E. GAVA-VILADECANS
 Err Std de Y Est 155.824
 R al Cuadrado 0.32435 Y =Tecamebes
 No de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2
 Coeficiente(s) X 1.00940 -14.822 0.5883 -1.483 -1.2651 -17.992 9.8234 -8.02111
 Err Std de Coef. 1.05248 7.96403 1.8418 15.378 13.4676 10.0476 4.5050 14.87108

Constante 1707.02 E. GAVA-VILADECANS
 Err Std de Y Est 160.565
 R al Cuadrado 0.25782 Y =Arcella
 No de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2
 Coeficiente(s) X 1.24076 -15.589 0.4395 0.7115 0.50096 -19.430 7.3413 -8.95582
 Err Std de Coef. 1.08450 8.20632 1.8978 15.846 13.8773 10.3533 4.6420 15.32351

Constante 90.3808 E. GAVA-VILADECANS
 Err Std de Y Est 20.6122
 R al Cuadrado 0.42904 Y =Centropyxis
 No de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2
 Coeficiente(s) X -0.1723 0.71210 0.1816 -2.710 -2.2243 1.29525 1.5917 0.913969
 Err Std de Coef. 0.13922 1.05347 0.2436 2.0342 1.78148 1.32909 0.5959 1.967129

Constante -54.247 E. GAVA-VILADECANS
 Err Std de Y Est 9.80373
 R al Cuadrado 0.36001 Y =Euglypha
 No de Observaciones 39
 Grados de Libertad 30
 X = DB05 DP DB05 DS SS DP SS DS REND SS REND DBO EDAT O2
 Coeficiente(s) X -0.0589 0.05470 -0.032 0.5154 0.45827 0.14310 0.8903 0.020739
 Err Std de Coef. 0.06621 0.50105 0.1158 0.9675 0.84731 0.63215 0.2834 0.935618

Constante	6.06408	E. GAVA-VILADECANS							
Err Std de Y Est	0.50822								
R al Cuadrado	0.41473	Y = Diversitat ciliats							
Nº de Observaciones	39								
Grados de Libertad	30								
X =	DBOS DP	DBOS DS	SS DP	SS DS	REND SS	REND DBO	EDAT	O2	
Coeficiente(s) X	0.00363	-0.0942	0.00735	0.00813	-0.0119	-0.0415	0.01600	-0.0292	
Err Std de Coef.	0.00343	0.02597	0.00600	0.05015	0.04392	0.03277	0.01469	0.04850	

Regressions multivariants

Constante	-327.1	E. CASTELLDEFELS											
Err Std de Y Est	192.79												
R al Cuadrado	0.2124	Y = <i>Litonotus</i>											
Ng de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	-16.2	2.0687	-13.500	-2707.5	-3.6450	18.13	34.9620						
Err Std de Coef.	28.04	1.4956	10.8779	1828.57	2.36553	11.50	17.5690						

Constante	-34.22	E. CASTELLDEFELS											
Err Std de Y Est	32.691												
R al Cuadrado	0.2879	Y = <i>Chilodonella uncinata</i>											
Ng de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	-8.79	0.2281	-1.9293	-351.67	-0.5268	2.502	4.91448						
Err Std de Coef.	4.755	0.2536	1.84455	310.070	0.40112	1.951	2.97917						

Constante	-1321.	E. CASTELLDEFELS											
Err Std de Y Est	305.61												
R al Cuadrado	0.3733	Y = <i>Podophrya</i> sp.											
Ng de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	113.5	-1.489	23.4531	2068.74	2.32500	-15.1	-12.304						
Err Std de Coef.	44.45	2.3709	17.2437	2898.67	3.74987	18.24	27.8507						

Constante	32656.	E. CASTELLDEFELS											
Err Std de Y Est	16269.												
R al Cuadrado	0.5307	Y = <i>Uronema marinum</i>											
Ng de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	1774.	-107.7	1697.37	327294.	99.4245	-2173	-3452.6						
Err Std de Coef.	2366.	126.21	917.995	154314.	199.629	971.0	1482.66						

Constante	6951.9	E. CASTELLDEFELS											
Err Std de Y Est	3190.0												
R al Cuadrado	0.3682	Y = Vorticella microstoma											
N _o de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	-731.	-41.37	33.8845	15662.3	52.2867	-93.9	-159.55						
Err Std de Coef.	464.0	24.747	179.989	30256.1	39.1408	190.4	290.703						

Constante	3989.3	E. CASTELLDEFELS											
Err Std de Y Est	592.85												
R al Cuadrado	0.3405	Y = Epistylis											
N _o de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	-7.52	8.8356	-40.271	-6208.4	-1.3360	7.471	10.4826						
Err Std de Coef.	86.23	4.5992	33.4504	5623.01	7.27420	35.38	54.0263						

Constante	3007.9	E. CASTELLDEFELS											
Err Std de Y Est	1048.2												
R al Cuadrado	0.1887	Y = Opercularia minima											
N _o de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	-81.5	-8.141	2.49577	2023.14	15.6645	-27.4	-48.350						
Err Std de Coef.	152.4	8.1318	59.1436	9942.03	12.8615	62.56	95.5237						

Constante	6936.9	E. CASTELLDEFELS											
Err Std de Y Est	825.41												
R al Cuadrado	0.5314	Y = Aspidisca cicada											
N _o de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	7.679	18.340	-86.783	-12933.	-4.6982	28.60	38.7359						
Err Std de Coef.	120.0	6.4033	46.5720	7828.74	10.1276	49.26	75.2191						

Constante	-20.95	E. CASTELLDEFELS											
Err Std de Y Est	22.432												
R al Cuadrado	0.1505	Y = Euplotes sp											
N _o de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	0.984	0.1069	0.47460	46.5922	-0.1277	-0.37	-0.1726						
Err Std de Coef.	3.262	0.1740	1.26568	212.761	0.27523	1.338	2.04422						

Constante	-20.95	E. CASTELLDEFELS											
Err Std de Y Est	22.432												
R al Cuadrado	0.1505	Y = Euplotes sp											
Ng de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	0.984	0.1069	0.47460	46.5922	-0.1277	-0.37	-0.1726						
Err Std de Coef.	3.262	0.1740	1.26568	212.761	0.27523	1.338	2.04422						

Constante	51783.	E. CASTELLDEFELS											
Err Std de Y Est	16406.												
R al Cuadrado	0.4911	Y = Ciliats											
Ng de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	1042.	-127.7	1606.26	323440.	156.881	-2242	-3566.5						
Err Std de Coef.	2386.	127.27	925.686	155607.	201.301	979.2	1495.08						

Constante	-74595	E. CASTELLDEFELS											
Err Std de Y Est	12057.												
R al Cuadrado	0.3775	Y = Flagelats, centenars ind/ml											
Ng de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	1027.	-161.2	887.575	71634.2	146.997	-388.	175.878						
Err Std de Coef.	1753.	93.536	680.294	114357.	147.938	719.6	1098.75						

Constante	-5837.	E. CASTELLDEFELS											
Err Std de Y Est	2133.3												
R al Cuadrado	0.1223	Y = Gimnamebes, centenars ind/mL											
Ng de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	349.9	-8.874	50.1817	4280.57	-8.8188	18.02	36.9932						
Err Std de Coef.	310.3	16.549	120.368	20233.9	26.1755	127.3	194.408						

Constante	0.4106	E. CASTELLDEFELS											
Err Std de Y Est	0.3791												
R al Cuadrado	0.6507	Y = Diversitat											
Ng de Observaciones	33												
Grados de Libertad	25												
	EDAT	DBO	DP	DBO5	DS	REN	DBO	SS	DP	SS	DS	REND	SS
Coefficiente(s) X	-0.11	-0.001	0.00362	2.22566	0.01074	-0.02	-0.0202						
Err Std de Coef.	0.055	0.0029	0.02139	3.59620	0.00465	0.022	0.03455						

DADES DE VELOCITAT DE DIVISIO CEL·LULAR DE LA EDAR DE GAVA-VILADECANS AGOST 1988-JUNY 1989

DIA	9	13	16	20	23	26	30	2	6	9	13	16
MES	8	8	8	8	8	8	8	9	9	9	9	9

Dades en divisions/dia

Litonotus lamella				0.1546	1.3934	-1.130	-0.040	-0.520				
Chilodonella uncinata									0.1988	-0.464	0.3469	
Trochilia minuta				-0.861	0.0302	0.2179	0.6194	-1.597				
Uronema marinum									-0.203			2.3831
Vorticella convallaria	-1.451	0.2140	-0.065								0.5356	0.8115
Vorticella microstoma											0.6394	1.0702
Opercularia curvicaulis												
Epistylis plicatilis									0.1744	2.1388	-0.873	-1.069
Vaginicola cristallina	0.1032	-0.341	-0.324	0.1926	0.1999	0.6917	-0.220	-0.135			-0.570	0.3469
Carchesium polypinum		0.0806	0.2140	-0.076	-2.165	-0.015	1.8213	-0.393				
Oxitrycha sp.				-0.137	0.1397	-0.543						
Euplotes sp.									0.1209		0.2596	-1.122
Aspidisca cicada	-0.013	-0.044	-1.700	0.6546	-0.142	0.7387	-0.790	-0.537	0.5641	1.1975	0.2621	-0.062
Ciliats	-0.203	0.1433	-0.102	-0.072	-0.296	0.3519	0.2162	-0.465	-1.010	1.5998	-0.258	0.4522
FILAMENTS												
Tipus 0961	-0.540	-0.260	0.6871	-0.110	0.1957	0.0644	0.1098	-0.150	-0.026	-0.854		
Flagel·lats < 20 µm.				-0.294	0.2385	0.6062	0.2928	0.4395	0.0126	-0.650	0.1381	
Gimnamebes < 50 µm.	-0.223	0.2490			-0.558	-0.082			-0.025			-0.306
Gimnamebes > 50 µm.				0.2027	-0.583	-0.348	0.1053	-0.537	0.1622			
Arcella sp.	-0.090	-0.053	-0.236	0.0083	-0.250	0.0917					-0.070	-0.653
Centropyxis sp.			0.0088	0.2583	0.4731	-0.543	0.5571	-0.060	-0.388	0.6084	-0.521	-0.319
Rotífers	0.8002	-0.363	-0.186	-0.491	0.9448	0.2178	0.2782	0.1279	0.1630	-0.444	-0.174	-0.319

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR DE GAVA-VILADECANS AGOST 1988-JUNY 1989

DIA	23	30	4	7	11	14	18	21	25	26	28	2
MES	9	9	10	10	10	10	10	10	10	10	10	11

Dades en divisions/dia

Litonotus lamella			0.1557									
Chilodonella uncinata	0.4382	-0.363	-0.240	0.0207								
Trochilia minuta								-0.487	0.4258			
Uronema marinum	-0.176								2.3003	1.0116	-0.953	
Vorticella convallaria	0.2556		0.1281	0.6376			0.5904	-0.327	0.8044	-0.500	-0.196	
Vorticella microstoma	-0.248					0.4982	-0.091					
Opercularia curvicaulis												
Epistylis plicatilis	0.8602	-0.928	0.2595									
Vaginicola cristallina												
Carchesium polypinum							-0.231	0.9276	-0.345	-1.088		
Oxitrycha sp.												
Euplotes sp.	0.6771											
Aspidisca cicada	0.0303	0.1047	0.4552	-0.160	-0.166	0.2071	0.0849	0.4724	-0.216	0.4166	0.3596	0.0594
Ciliats	0.0510	-0.187	0.5110	-0.174	-0.178	0.2120	0.1046	0.5141	-0.250	0.4462	0.3091	0.0455
FILAMENTS												
Tipus 0961	0.5678	0.1255	0.1887	-0.156	0.3662	0.0708	0.1593	-0.068	0.0308	0.2892	0.2293	0.1699
Flagel.lats < 20 um.												-0.501
Gimnamebes < 50 um.	0.1148	-0.025	0.2008									-0.303
Gimnamebes > 50 um.	0.1525	0.5484	0.4554									
Arcella sp.												
Centropyxis sp.												
Rotífers			0.1557						0.0094			

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR DE GAVA-VILADECANS AGOST 1988-JUNY 1989

DIA	4	8	11	15	18	22	29	2	7	9	13	16
MES	11	11	11	11	11	11	11	12	12	12	12	12

Dades en divisions/dia

Litonotus lamella	0.5101	0.8270	-1.246	0.3272	0.3283	0.4005	-0.095	-0.961				
Chilodonella uncinata												
Trochilia minuta	-0.074	0.1022	-1.020	0.7479	0.6912	-0.013	-0.139					
Uronema marinum												
Vorticella convallaria	0.9689	0.1117	-0.144			0.2009	0.1228	0.3347	0.4420	0.9864	0.5364	0.6015
Vorticella microstoma											1.1391	1.0668
Opercularia curvicaulis												
Epistylis plicatilis					-1.165	1.4049	-0.165	0.4066	0.4993			
Vaginicola cristallina												
Carchesium polypinum												
Oxitrycha sp.												
Euplotes sp.												
Aspidisca cicada	0.1711	-0.608	-0.439	0.3567	0.2093	-0.634	-0.411	1.0415	0.6360			
Ciliats	0.1599	-0.215	-0.522	0.2881	0.4601	0.1463	0.0213	0.1895	0.4747	1.2160	0.4065	0.6325
FILAMENTS												
Tipus 0961	0.0729	0.1118	-0.432	0.3288	-0.298	0.5323	0.0071	0.0315	0.6425	1.2553	0.1306	0.5276
Flagel.lats < 20 um.				-0.827				2.1409			0.7206	0.8560
Giannæbes < 50 um.				-0.827					0.4559	1.1783	0.8915	-0.344
Giannæbes > 50 um.							0.1730	-0.513	0.3369	1.5173	0.2814	-0.130
Arcella sp.												
Centropyxis sp.												

Rotifers

DADES DE VELOCITAT DE DIVISIO CEL·LULAR DE LA EDAR DE GAVA-VILADECANS AGOST 1988-JUNY 1989

DIA	20	22	27	30	3	7	10	11	12	13	17	24
MES	12	12	12	12	1	1	1	1	1	1	1	1

Dades en divisions/dia

Litonotus lamella	-0.196	0.0783	1.1333	-0.978	2.9	-0.091	-0.666	0.5311	0.2559			
Chilodonella uncinata												
Trochilia minuta												
Uronema marinum					1.2117	-1.083	2.3632	-0.087	-0.824	0.4085	0.0159	
Vorticella convallaria	0.4218	-0.135	0.0712	-0.652	-0.570			-1.100				
Vorticella microstoma	0.3830	-0.354	0.7227	0.3368	-0.415	0.4667	0.1053	-0.320	2.4778	-0.450	0.4332	0.1371
Opercularia curvicaulis												
Epistylis plicatilis												
Vaginicola cristallina												
Carchesium polypinum												
Oxitrycha sp.												
Euplotes sp.												
Aspidisca cicada			-0.196						-0.699			
Ciliats	0.3896	-0.174	0.3380	0.1452	-0.405	0.6291	-0.065	0.1485	1.8809	-0.520	0.4550	0.1325
FILAMENTS												
Tipus 0961	0.2674	0.0456	0.3318	-0.047	0.2346	1.0776	-0.020	-0.790	0.0434	1.0312	-0.385	0.6129
Flagel·lats < 20 µm.	1.2486	0.4766	0.1994	0.8467	-0.896	1.2972	0.3118	-0.851	1.9927	1.4593	-0.371	-0.145
Giannaebebes < 50 µm.	1.0451	-0.758	-0.525	1.5262	0.6299			2.0865	-0.116			-0.188
Giannaebebes > 50 µm.												
Arcella sp.												
Centropyxis sp.												
Rotifers												

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR DE GAVA-VILADECANS AGOST 1988-JUNY 1989

DIA	27	3	28	3	7	10	14	17	21	23	28	31
MES	1	2	2	3	3	3	3	3	3	3	3	3

Dades en divisions/dia

Litonotus lamella	-0.818		-0.255	0.2756	1.1919	-0.111	-1.057	1.2524	1.8843	-0.415	-0.655	
Chilodonella uncinata												
Trochilia minuta												
Uronema marinum				0.6068	1.4479	-0.384	-0.073	1.1647	-2.8			
Vorticella convallaria							-0.790	0.3413	0.0651			
Vorticella microstoma	0.0876	-0.102		0.6354	0.1883	0.4483	-0.238	-1.271	1.9739	-1.232		
Opercularia curvicaulis				0.3433	-0.579	0.3753			0.4124	0.0930	-0.219	
Epistylis plicatilis												
Vaginicola cristallina												
Carchesium polypinum												
Oxitrycha sp.												
Euplotes sp.												
Aspidisca cicada				0.4847	-0.164	0.5331	0.0175	-1.038	1.0393	0.9475	-0.912	-0.432
Ciliats	0.0620	0.0842		0.3051	-0.267	0.6957	0.0265	-0.739	1.1004	0.2129	-0.026	-0.102
FILAMENTS												
Tipus 0961	0.1458	-0.161		-0.300	-0.095	0.1291	0.3152	-0.506	0.4825	0.5097	-0.693	0.4745
Flagel.lats < 20 um.	-0.598	0.5068		-0.238	-0.309	1.0132	-0.274	-0.467	1.3975	1.5502	-0.311	0.8647
Giannæbes < 50 um.	-0.046	0.0123				0.9812	-0.280	1.1496	0.0382	0.7149	-0.390	0.5410
Giannæbes > 50 um.								-0.215	0.3496			
Arcella sp.												
Centropyxis sp.												

Rotifers

DADES DE VELOCITAT DE DIVISIO CEL·LULAR DE LA EDAR DE GAVA-VILADECANS AGOST 1988-JUNY 1989

DIA	4	6	11	14	21	28	2	5	8	11	15	18
MES	4	4	4	4	4	4	5	5	5	5	5	5

Dades en divisions/dia

Litonotus lamella	1.0895	0.0328	-0.895	0.2366	1.5985	-0.223	-0.154	-1.318				
Chilodonella uncinata												
Trochilia minuta												
Uronema marinum												
Vorticella convallaria					-0.175	0.0133			-0.589	1.2235	-0.361	0.2623
Vorticella microstoma	0.9032	1.0270	-0.208	-1.393	0.1437	0.2276	0.5428	0.5446	0.1193	0.2115	-0.234	-0.142
Opercularia curvicaulis	0.0692	0.0182	-0.100			0.1702	0.3324	-0.361	-0.545	0.4779	-0.092	0.0388
Epistylis plicatilis												0.4974
Vaginicola cristallina												
Carchesium polypinum												
Oxitrycha sp.									0.9142	-1.641		
Euplotes sp.												
Aspidisca cicada	1.0125	1.0344	0.0898	-0.364	-0.397	0.5096	0.5595	-0.700				0.6451
Ciliats	0.0201	0.6779	-0.072	0.1777	-0.138	0.1201	0.3653	-0.007	0.0111	0.1569	-0.203	0.0184
FILAMENTS												
Tipus 0961	-0.754	2.2688	0.0076	0.3057	-0.065	0.2848	0.1378	0.0453	-0.266	0.1708		
Flagel·lats < 20 µm.				0.2408	-0.198	0.8918	-0.403	-0.057	0.2750	0.2934	-0.116	0.4349
Gimnàmebes < 50 µm.				-0.041	0.0405					-0.293	1.2377	
Gimnàmebes > 50 µm.					0.1381	0.2621	0.6383	-1.038	0.4509	0.2042	-0.392	0.9540
Arcella sp.												
Centropyxis sp.												

Rotifers

DADES DE VELOCITAT DE DIVISIO CEL·LULAR DE LA EDAR DE GAVA-VILADECANS AGOST 1988-JUNY 1989

DIA	22	25	29	8	12	15	19	22	26	29
MES	5	5	5	6	6	6	6	6	6	6

Dades en divisions/dia

Litonotus lamella	0.0449	-0.529	0.3979	-0.145	0.0360			-0.092	0.0011	-0.090
Chilodonella uncinata			0.0751	-0.000	-0.406	-0.641	0.3770	-0.198	0.3427	0.4380
Trochilia minuta										
Uronema marinum	0.4699	0.4173	-0.732							
Vorticella convallaria	-0.139	-0.321	0.4254							0.3465
Vorticella microstoma	-0.047	-0.014	0.1488							
Opercularia curvicaulis	-0.866	1.1103	-0.751	0.1213	-0.645					
Epistylis plicatilis	0.2162	0.2241	0.1146	0.1578	-0.275	-0.401	0.9265	0.2786	-0.416	-0.197
Vaginicola cristallina										
Carchesium polypinum										
Oxitrycha sp.		-0.488					0.0348			
Euplotes sp.				0.4408						
Aspidisca cicada	0.2734	0.0949	-0.189	-0.127	0.1937	0.1261	0.3383	0.0172	0.2041	0.0679
Ciliats	0.0096	0.1063	-0.010	-0.064	-0.117	-0.046	0.3661	0.1385	-0.004	0.1649
FILAMENTS										
Tipus 0961					0.8026	1.1036	-0.482	-0.208	-0.412	1.1339
Flagel.lats < 20 um.	-0.725	-0.485	-0.631	0.4329	0.2026	0.7306			0.3811	
Gimnamebes < 50 um.				0.1627	0.1930	-0.026				
Gimnamebes > 50 um.	-0.205	-0.294	0.3016							
Arcella sp.					0.0440	0.0618	0.1017	-0.612	0.5618	-0.330
Centropyxis sp.										
Rotífers					0.4692	-0.552	-0.117	0.1299	-0.148	

DADES DE VELOCITAT DE DIVISIO CEL·LULAR DE LA EDAR CASTELLDEFELS MAIG 1987-ABRIL 1988

DIA	21	26	28	2	4	9	11	18	22	25	29	1
MES	5	5	5	6	6	6	6	6	6	6	6	7

Dades en divisions/dia

Litonotus lamella								0.7220	0.7470	0.4850	0.1566	-1.696
Chilodonella uncinata												
Podophrya fixa												
Uronema marinum		0.7154	-1.101	0.3128	1.6737			0.5690	0.5480	-0.547	-0.239	1.5788
Vorticella microstoma	0.0815	0.3468	-0.211	0.2209	1.6113	-0.589	1.4795	0.3808	0.3601	0.5448	0.0246	-0.211
Epistylis plicatilis												
Opercularia minima	0.3373	0.6391	-0.752	-0.032	1.0783	-0.304	1.2423	0.3859	0.3036	0.4825	-1.635	2.4998
Aspidisca cicada								0.1654	0.9341	0.5605	-0.032	0.6820
Euplotes sp	0.3405	0.0510				-0.144	0.6420	0.5574	0.1285	0.2187	-0.829	0.6773
Ciliats	0.2368	0.5811	-0.724	0.0848	1.4854	-0.548	1.3913	0.5267	0.1990	0.4073	-0.139	0.0244
Flagel·lats < 20 µm.	0.8451					-1.432		0.6569	0.4431	-0.277	0.2124	
Giannabees < 50 µm.	0.7968					0.5848		0.0605	0.0803	-0.484	1.1483	

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR CASTELLDEFELS MAIG 1987-ABRIL 1988

DIA	8	15	17	20	27	7	25	2	4	7	14	17
MES	7	7	7	7	7	8	8	9	9	9	9	9

Dades en divisions/dia

Litonotus lamella												0.1519 0.5343 -0.432
Chilodonella uncinata												
Podophrya fixa												
Uronema marinum	0.2978	0.4476	-2.309	1.5276	0.3024	-0.278		-0.127	0.2702	0.0445		
Vorticella microstoma	0.4549	0.5278	-0.230	0.6346	-0.223	-0.085		0.1926	0.3457	-0.600	0.5756	0.6704
Epistylis plicatilis								0.0634	1.7154	-0.078	0.0981	-0.678
Opercularia minima	0.2906	0.1560									0.6178	-0.126
Aspidisca cicada	0.1925	0.4259	0.5383	0.6498	0.1492	0.2804		0.1472	0.2100	0.1089	0.3208	-0.843
Euplotes sp	0.5178	0.5470	0.2956	0.7016	0.3024	-0.106						
Ciliats	0.3706	0.4879	-0.250	0.6514	-0.045	0.1966		0.1056	0.5332	-0.002	0.3003	-0.080
Flagel.lats < 20 um.	0.5006	0.2974	0.5742	-0.486	-0.032	0.4688		0.3428	0.4139	-0.216	0.4903	-1.171
Siameebes < 50 um.	0.1351	0.1777	1.6079	-0.580	0.3024			0.2956	-0.299	0.3728		

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR CASTELLDEFELS MAIG 1987-ABRIL 1988

DIA	21	23	28	30	14	19	21	26	28	4	9	11
MES	9	9	9	9	10	10	10	10	10	11	11	11

Dades en divisions/dia

Litonotus lamella												
Chilodonella uncinata												
Podophrya fixa												
Uronema marinum										-0.035	0.3032	
Vorticella microstoma										0.1350	-0.603	
Epistylis plicatilis												
Opercularia minima										-0.013	-0.093	
Aspidisca cicada												
Euplotes sp												
Ciliats				1.7894						0.0794	-0.256	
Flagel.lats < 20 um.				-0.225						0.3736	0.2857	
Gimnàmebes < 50 um.				-1.644						0.7991	0.6422	

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR CASTELLDEFELS MAIG 1987-ABRIL 1988

DIA	16	18	25	30	2	9	11	14	16	21	23	28
MES	11	11	11	11	12	12	12	12	12	12	12	12

Dades en divisions/dia

Litonotus lamella												0.6725 0.3965 0.7771
Chilodonella uncinata												
Podophrya fixa												
Uronema marinum	0.6493	0.5781	-0.636	0.8732	0.2241	0.2086	1.5418	0.1888	0.9537	-0.354	-1.118	0.4380
Vorticella microstoma	0.5129	-0.349	0.6650	0.6622	-0.817	0.3037	0.7114	-0.308	1.2643	-0.124	0.7679	0.4136
Epistylis plicatilis												
Opercularia minima	0.7845	1.1818	0.5950	0.4561	-0.685	0.0190	0.7315	-0.016	-1.749	0.9183	-0.186	0.8628
Aspidisca cicada												
Euplotes sp												
Ciliats	0.6069	0.5011	0.4096	0.5467	-0.726	0.2110	0.7523	-0.144	0.9795	-0.100	0.5570	0.4987
Flagel.lats < 20 um.	0.6140	0.2829	0.2770	0.6190	-0.125	0.8080	0.3971	0.2657	-0.403	-0.074	0.4301	-0.211
Gimnàmebes < 50 um.					-0.082					0.1885	0.3594	0.0888

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR CASTELLDEFELS MAIG 1987-ABRIL 1988

DIA	30	9	11	13	25	27	1	3	8	10	15	17
MES	12	1	1	1	1	1	2	2	2	2	2	2

Dades en divisions/dia

Litonotus lamella	0.2949	0.2951	-0.123	-1.144	0.2853	0.1490	0.2595	1.3084	0.3089	0.8752		
Chilodonella uncinata								0.6008	0.3868	0.7768	0.1793	
Podophrya fixa										0.0565	0.2550	
Uronema marinum	-0.331	0.8147	1.6453	0.3440	0.5478	0.5423	-0.683	-0.429	0.9523	0.2238	0.7176	0.6541
Vorticella microstoma	0.0282	0.2673	1.2941	-0.111	0.0465	0.3146	0.3312	1.8470	-0.033	0.4552	0.4979	-0.071
Epistylis plicatilis												
Opercularia minima	-1.013	0.6140	0.5153	0.1613			0.4121	0.3581	0.4194	0.5343	0.6437	-0.204
Aspidisca cicada								0.3084	0.1919	1.5565	0.1793	1.3447
Euplotes sp												
Ciliats	-0.077	0.3682	1.0781	0.0878	0.4450	0.5415	-0.568	0.9166	0.3831	0.3132	0.6586	0.5735
Flagel.lats < 20 um.	0.0075	0.3310	1.1543	0.7035			0.6688	1.1862	0.1237	0.1543		
Gimnamebes < 50 um.										-0.139	1.3286	-0.081

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR CASTELLDEFELS MAIG 1987-ABRIL 1988

DIA	22	24	2	7	9	14	16	23	28	30	6	11
MES	2	2	3	3	3	3	3	3	3	3	4	4

Dades en divisions/dia

Litonotus lamella	-0.203	0.9681	-0.006	0.5964	0.7655						-0.205	0.6045	0.2498
Chilodonella uncinata													
Podophrya fixa			0.0908	0.7964	1.1045	-0.331	0.8694	0.2329	0.4338	-0.097	0.3405	0.4299	
Uronema marinum	-0.078	0.6349	0.3638	0.0915	0.6013	-0.305	0.7392	0.0360	0.5446	-0.546	0.3884	0.1702	
Vorticella microstoma	-0.021	0.6306	0.3999	0.1895	-0.218	-0.194	0.4236	-0.165	0.3296				
Epistylis plicatilis													
Opercularia minima	-0.182	0.0128	-0.075			0.3210	-0.923	0.3382	0.4357				0.6498
Aspidisca cicada				0.1964	1.1895								0.2498
Euplotes sp													
Ciliats	-0.084	0.6332	0.3640	0.1034	0.5567	-0.297	0.7092	0.0370	0.5390	-0.535	0.3903	0.2283	
Flagel.lats < 20 um.	0.8699	-0.183				0.4248	-0.416	0.5265	0.1050	0.3359	0.1681	-0.221	
Gimnamebes < 50 um.		-1.504				-0.005	1.7481	-0.460	0.3942	-0.154	-0.009	0.4654	

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR CASTELLDEFELS MAIG 1987-ABRIL 1988

DIA	13	18	20
MES	4	4	4

Dades en divisions/dia

Litonotus lamella	0.8428	-0.405	0.1297
Chilodonella uncinata			
Podophrya fixa	0.1111	-0.240	0.5670
Uronema marinum	-0.388	-0.653	1.0273
Vorticella microstoma	0.0958	0.0607	0.5691
Epistylis plicatilis			
Opercularia minima	-0.467	-0.095	1.5408
Aspidisca cicada			
Euplotes sp			
Ciliats	-0.291	-0.337	0.9562
Flagel.lats < 20 um.	0.6233	-0.151	2.3762
Gimnamebes < 50 um.	-0.016		

DADES DE VELOCITAT DE DIVISIO CEL·LULAR DE LA EDAR DE CIUTAT BADIA AGOST 1988-JUNY 1989

DATA	12	16	23	26	30	2	6	9	13	16	28	4
MES	8	8	8	8	8	9	9	9	9	9	9	11

Dades en divisions/dia

Litonotus lamella

Chilodonella uncinata

Uronema marinum

Vorticella microstoma

0.8710 1.470 -0.348 -0.064

Epistylis plicatilis

0.3867 0.0852 0.072 0.345 0.0680 0.0839 0.0896 -0.136 -0.01

Opercularia coarctata

Aspidisca cicada

-0.323 0.5708 0.130 0.167 0.2009

CILIATS

0.1468 0.0759 0.118 0.140 0.0960 0.1386 0.0960 0.0562

FILAMENTS

Nocardia sp.

0.1580 0.161 0.057 0.1613 0.1286 0.349

Flagel·lats

0.1636 0.1949 0.098 0.1202 0.1520 0.0748 0.0995 -0.30 -0.17

Gimnamebes

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR DE CIUTAT BADIA AGOST 1988-JUNY 1989

DATA	8	11	15	18	22	29	2	9	13	15	20
MES	11	11	11	11	11	11	12	12	12	12	12

Dades en divisions/dia

Litonotus lamella							0.1333	0.5669	0.4008	0.3145	0.6842	0.2735
Chilodonella uncinata												0.1886
Uronema marinum				0.304722	0.0338	0.3575	0.0673	-0.048	-0.349	1.2527		
Vorticella microstoma	1.6342	0.86836	-1.0347	-0.36232	0.6705	0.6377	0.3166	0.0300	0.1982	0.0744	0.3788	
Epistylis plicatilis												0.0918
Opercularia coarctata		0.36647	-0.2724	-0.18417	-0.019	0.1115	0.4878	-0.191	0.1441	-0.401	0.8251	
Aspidisca cicada												

CILIATS	0.1275	0.43941	0.25446	0.263419	0.1644	0.2074	0.1622	0.1763	0.2827	0.1020	0.2238	
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FILAMENTS

Nocardia sp.	0.0309	0.43623	0.28211	0.278815			0.1486	0.0484	0.2127	0.1951	0.1743	0.2987
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Flagel.lats	0.1028	0.39391	0.27219	0.280968	0.1926		-0.067	-0.069	0.3433	0.1640	0.1926	
Gimnamebes			0.26442	0.291524	0.1876	0.3107						

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR DE CIUTAT BADIA AGOST 1988-JUNY 1989

DATA	22	27	30	3	10	17	25	27	31	3	28	3
MES	12	12	12	1	1	1	1	1	1	2	2	3

Dades en divisions/dia

Litonotus lamella	0.8365	0.4888	-0.332									
Chilodonella uncinata	1.0221				0.3249	0.2724	-0.085	0.5833	0.4079	0.6959		
Uronema marinum		-0.076	0.9557	0.2075								
Vorticella microstoma	0.2538	0.5451	0.3986	0.2037	0.1339	0.1455	0.0616	0.2675	-0.029	0.0168	0.0320	0.2295
Epistylis plicatilis		-0.471			0.1456	-0.112	0.4298	0.5780	-0.576	0.6964	0.1660	-0.581
Opercularia coarctata	-0.228	0.6419	0.6054	0.2136	0.1202	-0.039	0.3836	0.4355	0.7251	-0.545		
Aspidisca cicada	0.2565	0.8496	0.1817	0.1980	0.3570	0.2619	0.1780	0.5859	0.2293	-0.022	0.1569	0.0743

CILIATS	0.4494	0.5980	0.1723	0.2048	0.1762	0.1540	0.1773	0.2221	0.1583	0.1376	0.0616	0.1127
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FILAMENTS

Nocardia sp.	0.2555	0.3819		0.1460			0.1642		0.1534	0.1267	0.0527	0.0488
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Flagel.lats	0.0784	0.2725		0.1903	0.1843	0.1497	0.1796	0.2330	0.1698	0.1458	0.0701	0.1249
Gimnamebes				0.2056	0.2456	0.1828						

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR DE CIUTAT BADIA AGOST 1988-JUNY 1989

DATA	7	10	14	17	21	28	31	4	6	11	14	21
MES	3	3	3	3	3	3	3	4	4	4	4	4

Dades en divisions/dia

Litonotus lamella												
Chilodonella uncinata												0.5041
Uronema marinum												0.9491
Vorticella microstoma	0.1326	0.2115	-0.456	0.3480	-0.298							
Epistylis plicatilis	1.0186	0.2357	-0.223	0.8242	0.3247	0.1184	-0.197	0.1793	0.2767	0.1003	0.4068	
Opercualria coarctata	0.6703											
Aspidisca cicada	0.1526	0.3500	0.0313	0.4061	0.1237	0.1899	0.3541	0.2207	0.2500	0.3196	0.0973	0.2955

CILIATS 0.1719 0.1157 0.4802 0.1694 0.1652 0.2065 0.2083 0.1676 0.1654 0.1922 0.1221 0.2710

FILAMENTS

Nocardia sp. 0.0418 0.4215 0.1882 0.1477 0.2212 0.2946

Flagel.lats	0.1166	0.1708			0.1610	0.2645	0.2129	0.1876		0.0882	0.6670	0.2881
Gimnamebes			0.7830	0.1947							0.3001	0.2648

DADES DE VELOCITAT DE DIVISIO CEL.LULAR DE LA EDAR DE CIUTAT BADIA AGOST 1988-JUNY 1989

DATA	25	28	2	5	8	11	15	18	22	25	29	5
MES	4	4	5	5	5	5	5	5	5	5	5	6

Dades en divisions/dia

Litonotus lamella												0.9745	-0.490
Chilodonella uncinata													
Uronema marinum	0.6786	0.1536	-0.296	-0.109			0.3425	1.5676	0.5466				
Vorticella microstoma	0.6482	0.5694	-0.207	-0.338	0.2356	0.1939	0.5696	0.6694	-0.908	0.3548	0.1439	1.3428	
Epistylis plicatilis													
Opercualria coarctata	0.4935	0.5956	0.1079	0.0880	-0.863	0.2469	0.5357	1.4462	-0.689				
Aspidisca cicada	0.2033	0.1774	-0.028	-0.338	-0.063	0.1547	0.2775	1.0135	0.4996	0.1781	0.3995	0.5653	
CILIATS	0.2852	0.2517	0.1287	0.1956	0.1415	0.1088	0.2339	0.2641	0.2831	0.3428	0.4513	0.4358	
FILAMENTS													
Nocardia sp.				0.1578	0.0556		0.2671						
Flagel.lats	0.2923	0.2597	0.2513	0.1912	0.1931	0.1672	0.2383	0.3025	0.3152	0.3686	0.5296	0.3834	
Gimnamebes	0.3069											0.4275	

DADES DE VELOCITAT DE DIVISIO CEL·LULAR DE LA EDAR DE CIUTAT BADIA AGOST 1988-JUNY 1989

DATA	8	12	15	19	22	26	29
MES	6	6	6	6	6	6	6

Dades en divisions/dia

Litonotus lamella							
Chilodonella uncinata							
Uronema marinum	0.1621	-0.071					0.5165
Vorticella microstoma	0.4785	-0.176	0.2913	0.6318	-0.110	0.1973	0.2564
Epistylis plicatilis							
Opercularia coarctata		0.3201				0.0271	0.7880
Aspidisca cicada	0.1835	0.3246	0.2664	0.5654	-0.344	0.1588	0.3223

CILIATS	0.4210	0.3923	0.5070	0.4352	0.0282	0.2018	0.3592
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FILAMENTS

Nocardia sp.						0.1861	-0.268
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Flagel·lats	0.3811	0.4101	0.5102	0.4336	0.2019	0.1807	-0.112
Gimnamebes							

