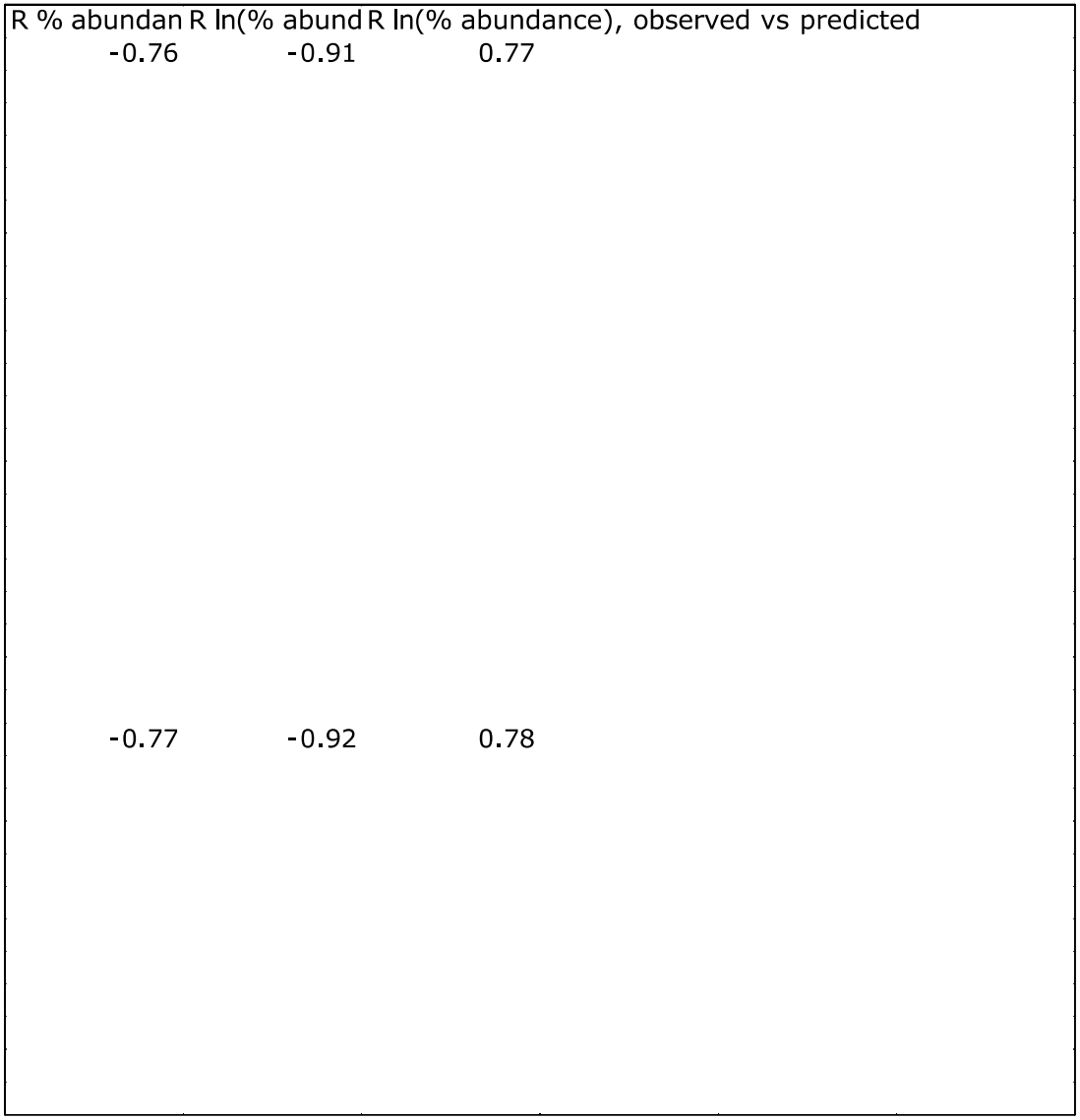
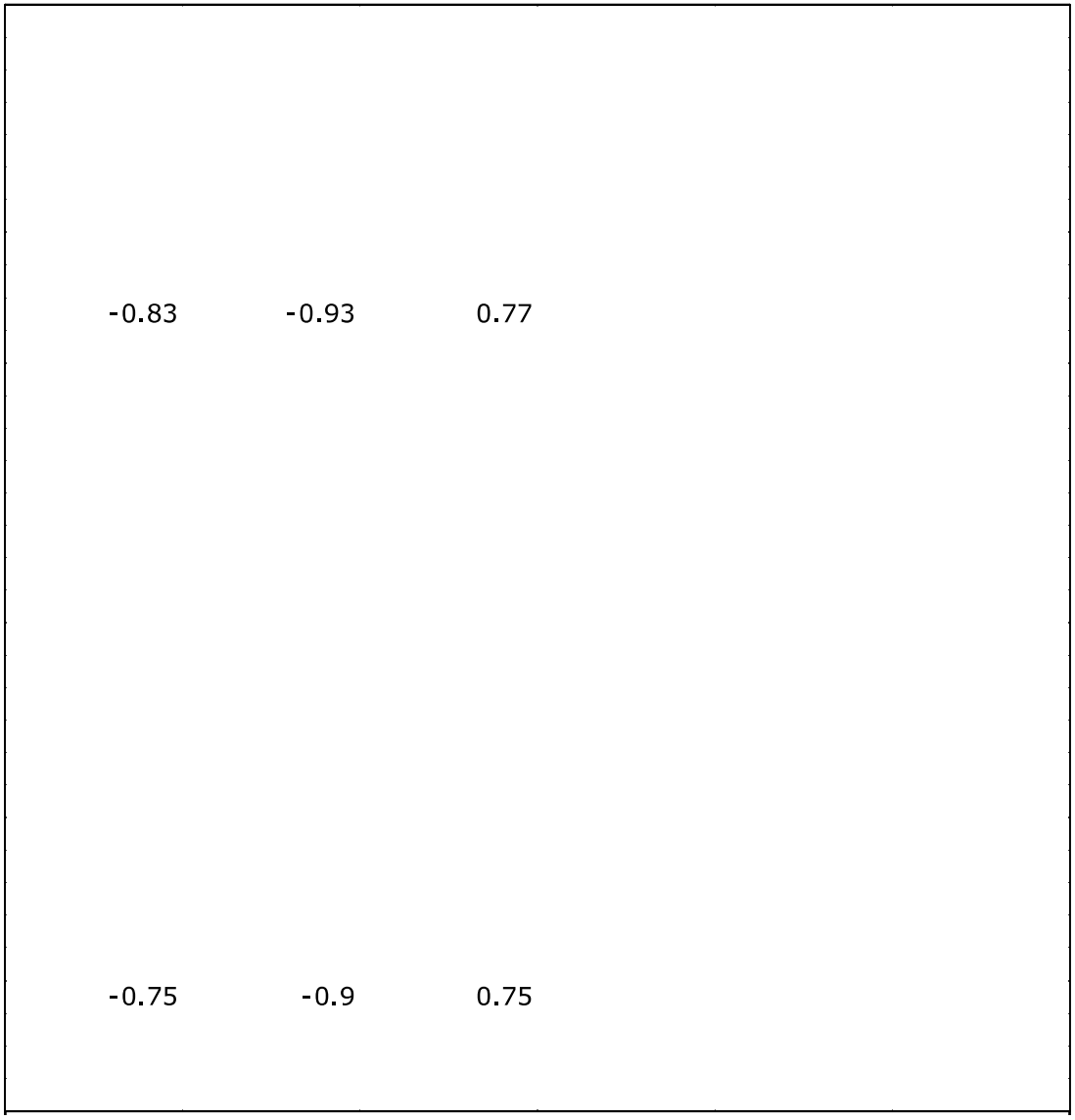
Amino acid	% abundance	ln (% abunda	Cost (ATP)	Cost (ATP/tin	ln (% abunda	Organism	Genomic GC c	R % abundan	R ln(% abund
A	5.51	1.70656462	11.7	11.7	1.292	S. cerevisiae	0.38	-0.52	-0.6
C	1.28	0.24686008	24.7	741	1.082				
D	5.84	1.7647308	12.7	114.3	1.082				
E	6.57	1.88251383	15.3	76.5	1.082				
F	4.48	1.49962305	52	208	1.565				
G	5.01	1.61143592	11.7	11.7	1.292				
H	2.13	0.75612198	38.3	536.2	1.082				
I	6.55	1.87946505	32.3	64.6	2.046				
K	7.35	1.99470031	30.3	242.4	1.565				
L	9.56	2.25758773	27.3	54.6	2.368				
M	2.07	0.72754861	34.3	445.9	0.601				
N	6.1	1.80828877	14.7	147	1.565				
P	4.31	1.4609379	20.3	60.9	1.292				
Q	3.92	1.36609165	16.3	130.4	1.082				
R	4.44	1.49065438	27.3	109.2	1.885				
S	8.96	2.19277023	11.7	70.2	2.18				
T	5.82	1.76130026	18.7	112.2	1.775				
V	5.6	1.7227666	23.3	46.6	1.775				
W	1.04	3.92E-02	74.3	891.6	0.118				
Y	3.34	1.20597081	50	350	1.565				
A	6.33	1.8453	11.7	11.7	1.178	S. pombe	0.36	-0.52	-0.61
C	1.53	0.42527	24.7	741	1.058				
D	5.32	1.67147	12.7	114.3	1.058				
E	6.49	1.87026	15.3	76.5	1.058				
F	4.59	1.52388	52	208	1.632				
G	4.99	1.60744	11.7	11.7	1.178				
H	2.25	0.81093	38.3	536.2	1.058				
I	6.13	1.81319	32.3	64.6	2.126				
K	6.39	1.85473	30.3	242.4	1.632				
L	9.83	2.28544	27.3	54.6	2.387				
M	2.05	0.71784	34.3	445.9	0.611				
N	5.18	1.64481	14.7	147	1.632				


R % abundan
R ln(% abund
R ln(% abundance), observed vs predicted
-0.76
-0.91
0.77
-0.77
-0.92
0.78

P	4.69	1.54543	20.3	60.9	1.178				
Q	3.79	1.33237	16.3	130.4	1.058				
R	4.84	1.57691	27.3	109.2	1.813				
S	9.39	2.23965	11.7	70.2	2.157				
T	5.6	1.72277	18.7	112.2	1.752				
V	6.01	1.79342	23.3	46.6	1.752				
W	1.11	0.10436	74.3	891.6	3.80E-02				
Y	3.4	1.22378	50	350	1.632				
A	8.7	2.16332303	11.7	11.7	1.827	N. crassa	0.5	-0.66	-0.67
C	1.13	0.12221763	24.7	741	1.139				
D	5.63	1.72810944	12.7	114.3	1.139				
E	6.46	1.86562932	15.3	76.5	1.139				
F	3.37	1.21491274	52	208	1.145				
G	7.2	1.97408103	11.7	11.7	1.827				
H	2.45	0.89608803	38.3	536.2	1.139				
I	4.42	1.4861397	32.3	64.6	1.551				
K	5.08	1.62531126	30.3	242.4	1.145				
L	8.35	2.12226154	27.3	54.6	2.24				
M	2.15	0.76546784	34.3	445.9	0.449				
N	3.7	1.30833282	14.7	147	1.145				
P	6.52	1.87487438	20.3	60.9	1.827				
Q	4.26	1.44926916	16.3	130.4	1.139				
R	6.17	1.81969884	27.3	109.2	2.235				
S	8.29	2.11504997	11.7	70.2	2.238				
T	6.11	1.80992677	18.7	112.2	1.833				
V	5.98	1.78842057	23.3	46.6	1.833				
W	1.35	0.30010459	74.3	891.6	0.444				
Y	2.56	0.94000726	50	350	1.145				
A	4.93	1.59533899	11.7	11.7	1.032	C. albicans	0.34	-0.51	-0.59
C	1.17	0.15700375	24.7	741	1.024				
D	5.71	1.74221902	12.7	114.3	1.024				
E	6.23	1.82937633	15.3	76.5	1.024				


-0.83
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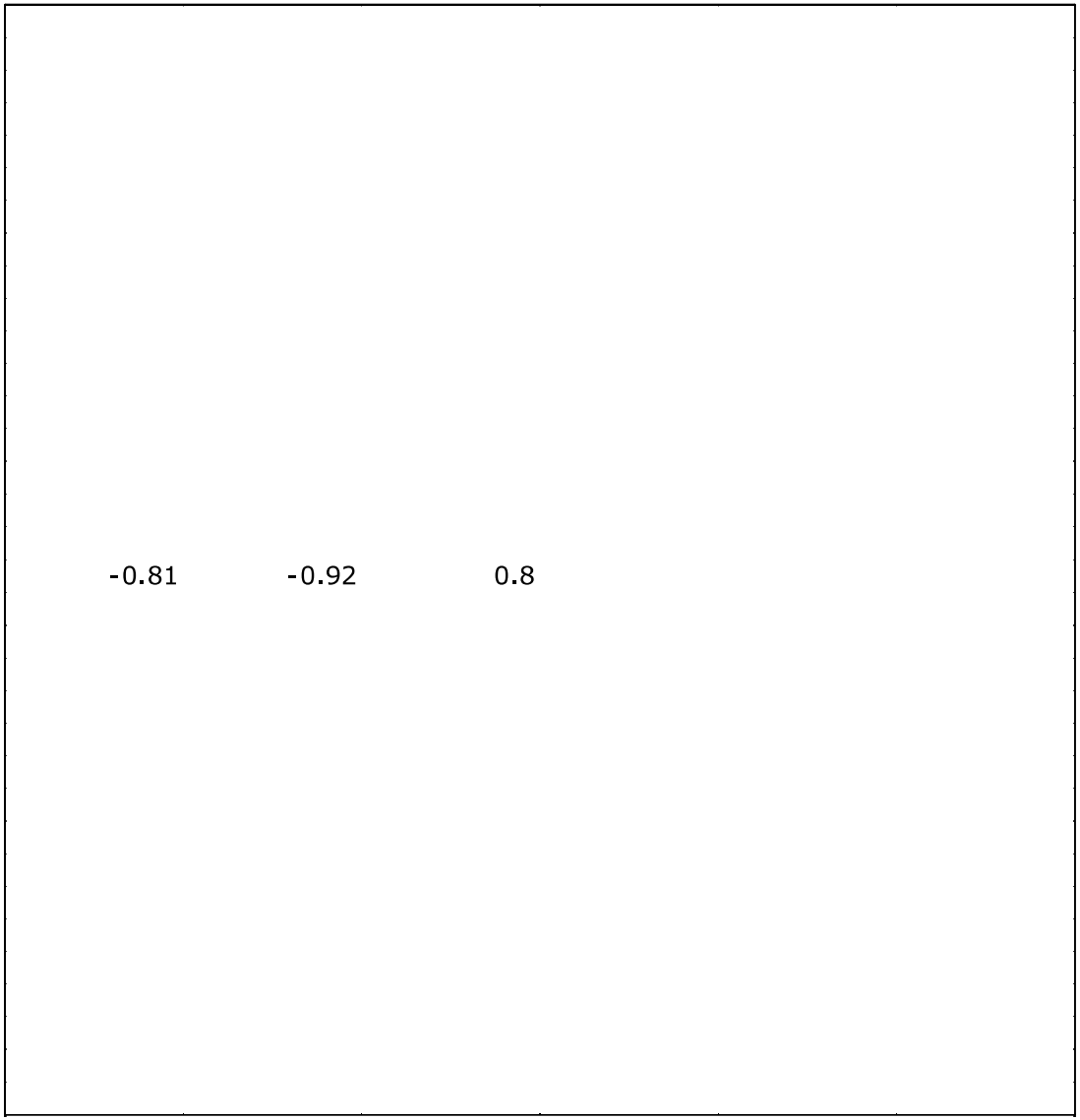
0.77
-0.75
-0.9
0.75

F	4.52	1.50851199	52	208	1.709				
G	4.97	1.60341984	11.7	11.7	1.032				
H	2.14	0.76080583	38.3	536.2	1.024				
I	7.13	1.96431123	32.3	64.6	2.219				
K	7.2	1.97408103	30.3	242.4	1.709				
L	9.3	2.2300144	27.3	54.6	2.407				
M	1.87	0.62593843	34.3	445.9	0.616				
N	6.69	1.90061387	14.7	147	1.709				
P	4.49	1.5018527	20.3	60.9	1.032				
Q	4.42	1.4861397	16.3	130.4	1.024				
R	3.72	1.31372367	27.3	109.2	1.721				
S	9.29	2.22893855	11.7	70.2	2.123				
T	6.16	1.81807678	18.7	112.2	1.717				
V	5.51	1.70656462	23.3	46.6	1.717				
W	0.98	-2.02E-02	74.3	891.6	-6.90E-02				
Y	3.47	1.24415459	50	350	1.709				
A	9.38	2.23857976	11.7	11.7	1.88	M. grisea	0.51	-0.64	-0.66
C	1.28	0.24686008	24.7	741	1.139				
D	5.7	1.74046618	12.7	114.3	1.139				
E	5.9	1.77495235	15.3	76.5	1.139				
F	3.47	1.24415459	52	208	1.09				
G	7.38	1.99877364	11.7	11.7	1.88				
H	2.33	0.84586827	38.3	536.2	1.139				
I	4.37	1.47476301	32.3	64.6	1.488				
K	4.78	1.56444055	30.3	242.4	1.09				
L	8.52	2.14241634	27.3	54.6	2.222				
M	2.2	0.78845736	34.3	445.9	0.421				
N	3.54	1.26412673	14.7	147	1.09				
P	6.34	1.84687877	20.3	60.9	1.88				
Q	4.1	1.41098697	16.3	130.4	1.139				
R	6.55	1.87946505	27.3	109.2	2.27				
S	8	2.07944154	11.7	70.2	2.237				
T	5.86	1.7681496	18.7	112.2	1.832				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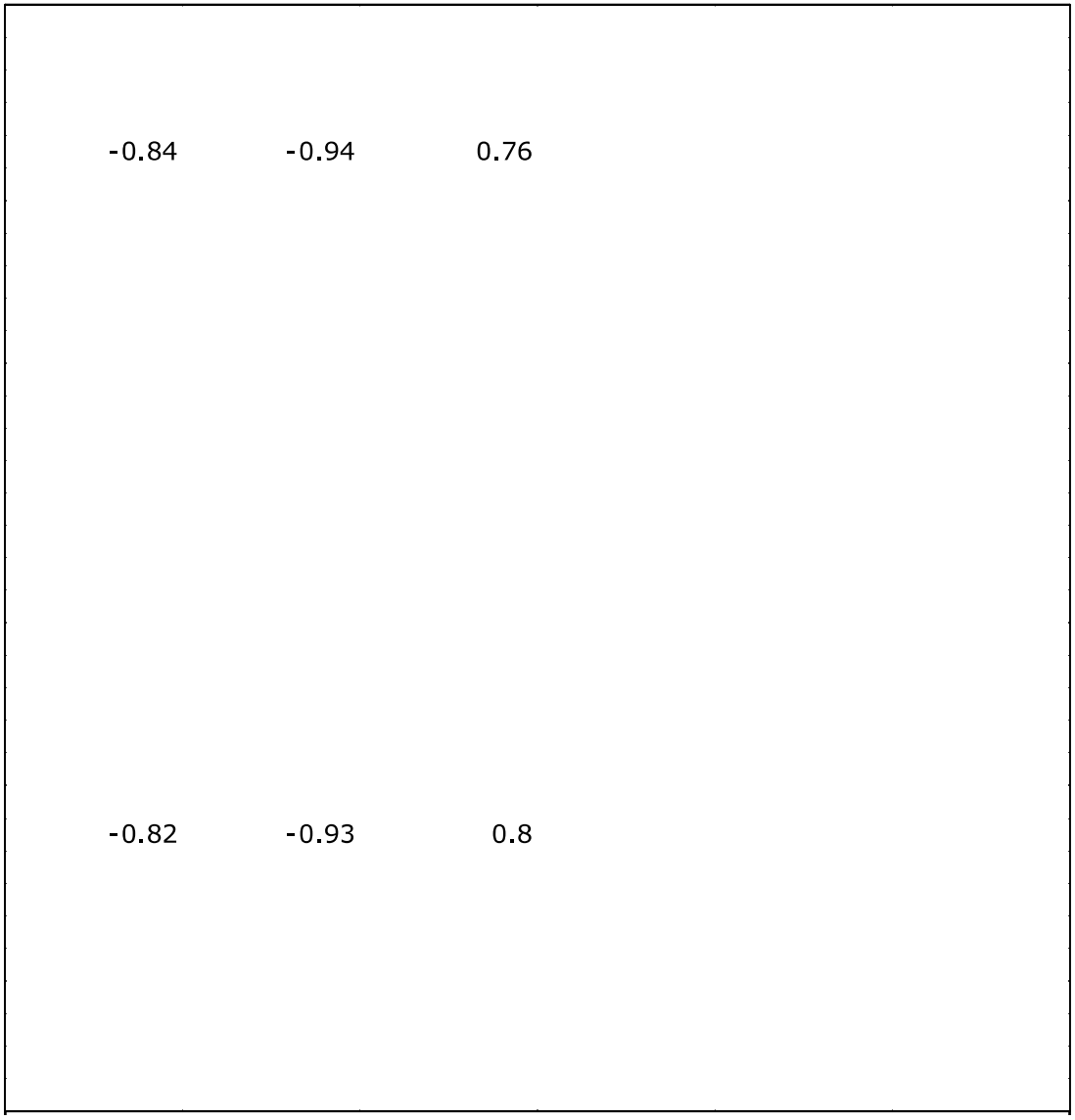
0.8

V	6.2	1.82454929	23.3	46.6	1.832				
W	1.47	0.3852624	74.3	891.6	0.47				
Y	2.52	0.9242589	50	350	1.09				
A	8.23	2.10778601	11.7	11.7	1.903	F. graminearu	0.52	-0.63	-0.64
C	1.28	0.24686008	24.7	741	1.138				
D	5.94	1.78170913	12.7	114.3	1.138				
E	6.21	1.8261609	15.3	76.5	1.138				
F	3.76	1.32441896	52	208	1.066				
G	6.7	1.90210753	11.7	11.7	1.903				
H	2.38	0.86710049	38.3	536.2	1.138				
I	5.11	1.6311994	32.3	64.6	1.459				
K	5.13	1.63510566	30.3	242.4	1.066				
L	8.68	2.16102153	27.3	54.6	2.213				
M	2.27	0.81977983	34.3	445.9	0.408				
N	3.87	1.35325451	14.7	147	1.066				
P	5.87	1.76985463	20.3	60.9	1.903				
Q	4.03	1.39376638	16.3	130.4	1.138				
R	5.75	1.74919986	27.3	109.2	2.285				
S	8.14	2.09679018	11.7	70.2	2.237				
T	6.1	1.80828877	18.7	112.2	1.831				
V	6.12	1.8115621	23.3	46.6	1.831				
W	1.51	0.41210965	74.3	891.6	0.48				
Y	2.8	1.02961942	50	350	1.066				
A	8.56	2.14710019	11.7	11.7	1.848	A. nidulans	0.5	-0.61	-0.63
C	1.24	0.21511138	24.7	741	1.139				
D	5.57	1.71739505	12.7	114.3	1.139				
E	6.19	1.82293509	15.3	76.5	1.139				
F	3.7	1.30833282	52	208	1.124				
G	6.77	1.91250109	11.7	11.7	1.848				
H	2.37	0.86288996	38.3	536.2	1.139				
I	5	1.60943791	32.3	64.6	1.527				
K	4.55	1.51512723	30.3	242.4	1.124				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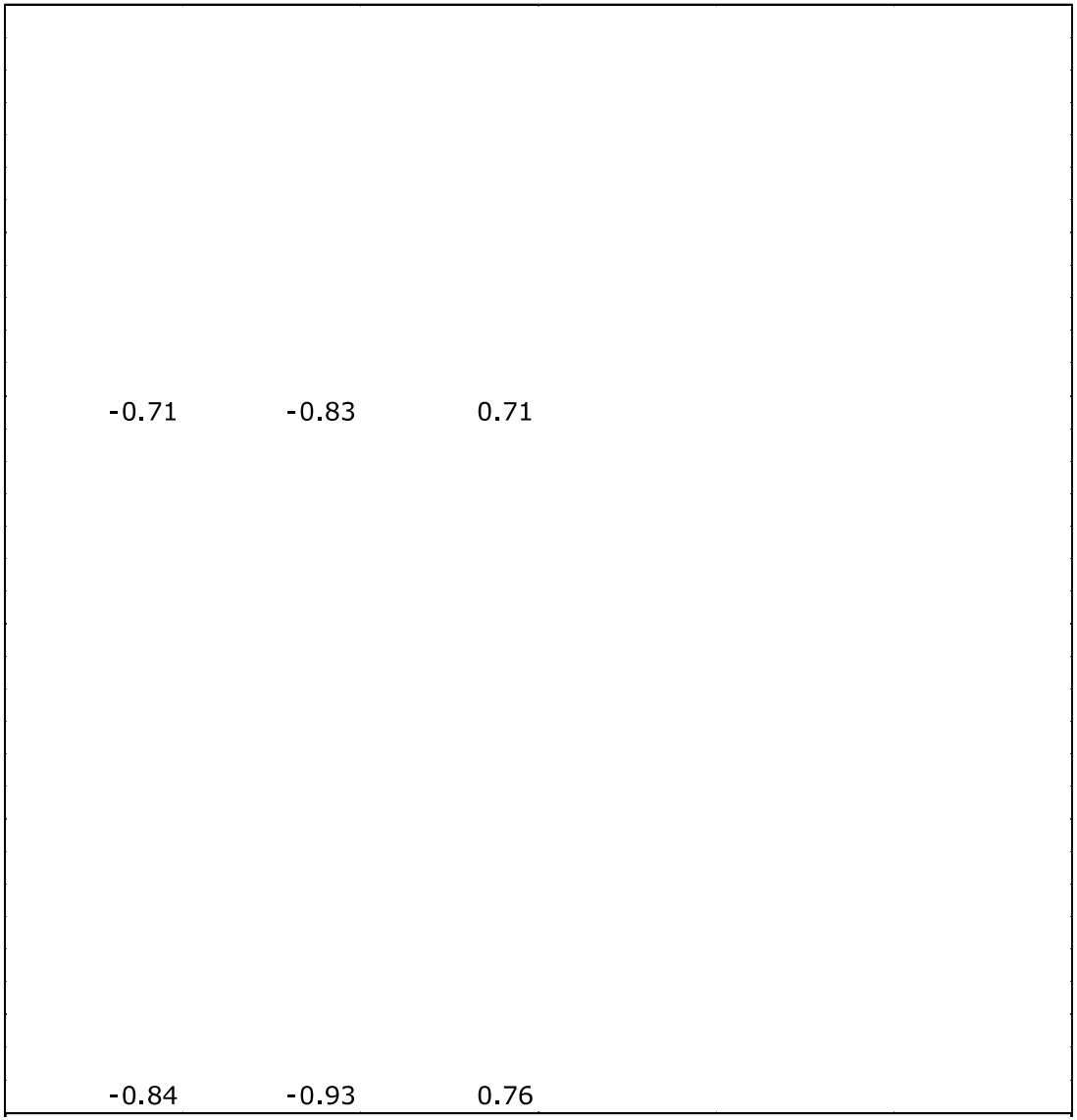
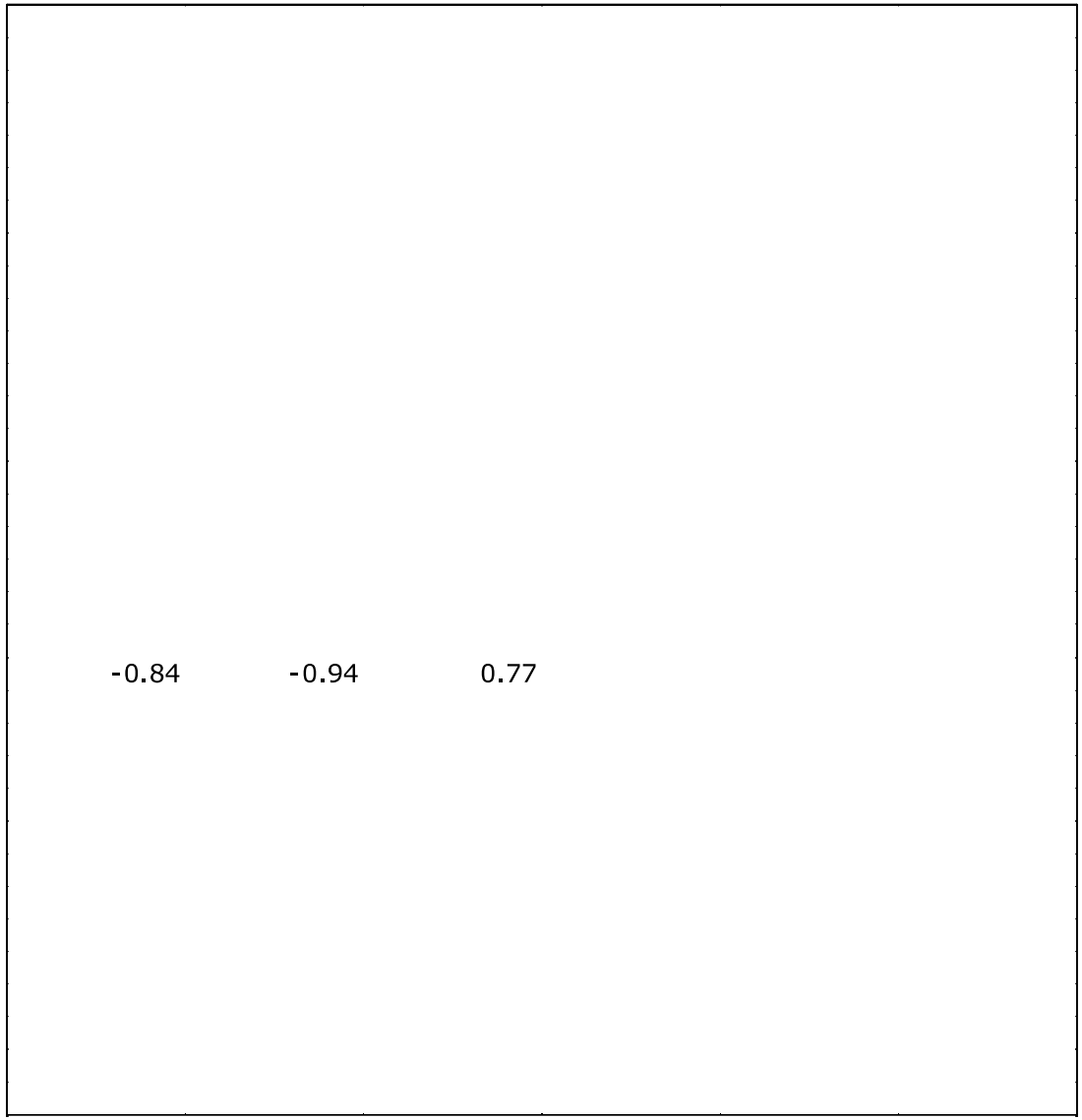
L	9.16	2.21484618	27.3	54.6	2.233				
M	2.04	0.71294981	34.3	445.9	0.439				
N	3.67	1.30019166	14.7	147	1.124				
P	6	1.79175947	20.3	60.9	1.848				
Q	4.02	1.3912819	16.3	130.4	1.139				
R	6.24	1.83098018	27.3	109.2	2.248				
S	8.38	2.12584791	11.7	70.2	2.238				
T	5.97	1.78674693	18.7	112.2	1.833				
V	6.11	1.80992677	23.3	46.6	1.833				
W	1.46	0.37843644	74.3	891.6	0.454				
Y	2.89	1.0612565	50	350	1.124				
A	5.04	1.61740608	11.7	11.7	1.722	E. cuniculi	0.47	-0.43	-0.56
C	2.04	0.71294981	24.7	741	1.137				
D	5.46	1.69744879	12.7	114.3	1.137				
E	8.1	2.09186406	15.3	76.5	1.137				
F	4.78	1.56444055	52	208	1.244				
G	6.52	1.87487438	11.7	11.7	1.722				
H	1.92	0.65232519	38.3	536.2	1.137				
I	6.67	1.89761986	32.3	64.6	1.667				
K	7.08	1.95727391	30.3	242.4	1.244				
L	9.52	2.25339485	27.3	54.6	2.272				
M	3	1.09861229	34.3	445.9	0.496				
N	3.89	1.35840916	14.7	147	1.244				
P	3.38	1.21787571	20.3	60.9	1.722				
Q	2.27	0.81977983	16.3	130.4	1.137				
R	6.71	1.90359895	27.3	109.2	2.165				
S	7.99	2.07819076	11.7	70.2	2.235				
T	4.09	1.40854497	18.7	112.2	1.83				
V	7.04	1.95160817	23.3	46.6	1.83				
W	0.78	-0.2484614	74.3	891.6	0.388				
Y	3.62	1.28647403	50	350	1.244				
A	6.29	1.83896107	11.7	11.7	1.144	C. elegans	0.35	-0.58	-0.67


-0.71
-0.83
0.71
-0.84
-0.93
0.76

C	2.03	0.70803579	24.7	741	1.051				
D	5.3	1.66770682	12.7	114.3	1.051				
E	6.5	1.87180218	15.3	76.5	1.051				
F	4.83	1.57484647	52	208	1.651				
G	5.34	1.67522565	11.7	11.7	1.144				
H	2.32	0.84156719	38.3	536.2	1.051				
I	6.14	1.81482474	32.3	64.6	2.149				
K	6.42	1.85941812	30.3	242.4	1.651				
L	8.65	2.15755932	27.3	54.6	2.392				
M	2.61	0.95935022	34.3	445.9	0.613				
N	4.91	1.59127394	14.7	147	1.651				
P	4.91	1.59127394	20.3	60.9	1.144				
Q	4.11	1.41342303	16.3	130.4	1.051				
R	5.21	1.65057986	27.3	109.2	1.792				
S	8.04	2.08442908	11.7	70.2	2.149				
T	5.84	1.7647308	18.7	112.2	1.744				
V	6.19	1.82293509	23.3	46.6	1.744				
W	1.1	9.53E-02	74.3	891.6	1.30E-02				
Y	3.16	1.15057203	50	350	1.651				
A	6.18	1.82131827	11.7	11.7	1.249	C. briggsae	0.37	-0.59	-0.67
C	1.95	0.66782937	24.7	741	1.073				
D	5.29	1.66581825	12.7	114.3	1.073				
E	6.81	1.91839212	15.3	76.5	1.073				
F	4.66	1.53901545	52	208	1.591				
G	5.37	1.68082791	11.7	11.7	1.249				
H	2.32	0.84156719	38.3	536.2	1.073				
I	5.89	1.773256	32.3	64.6	2.077				
K	6.46	1.86562932	30.3	242.4	1.591				
L	8.46	2.13534917	27.3	54.6	2.375				
M	2.62	0.96317432	34.3	445.9	0.606				
N	4.78	1.56444055	14.7	147	1.591				
P	5.05	1.61938824	20.3	60.9	1.249				
Q	4.13	1.41827741	16.3	130.4	1.073				


-0.84
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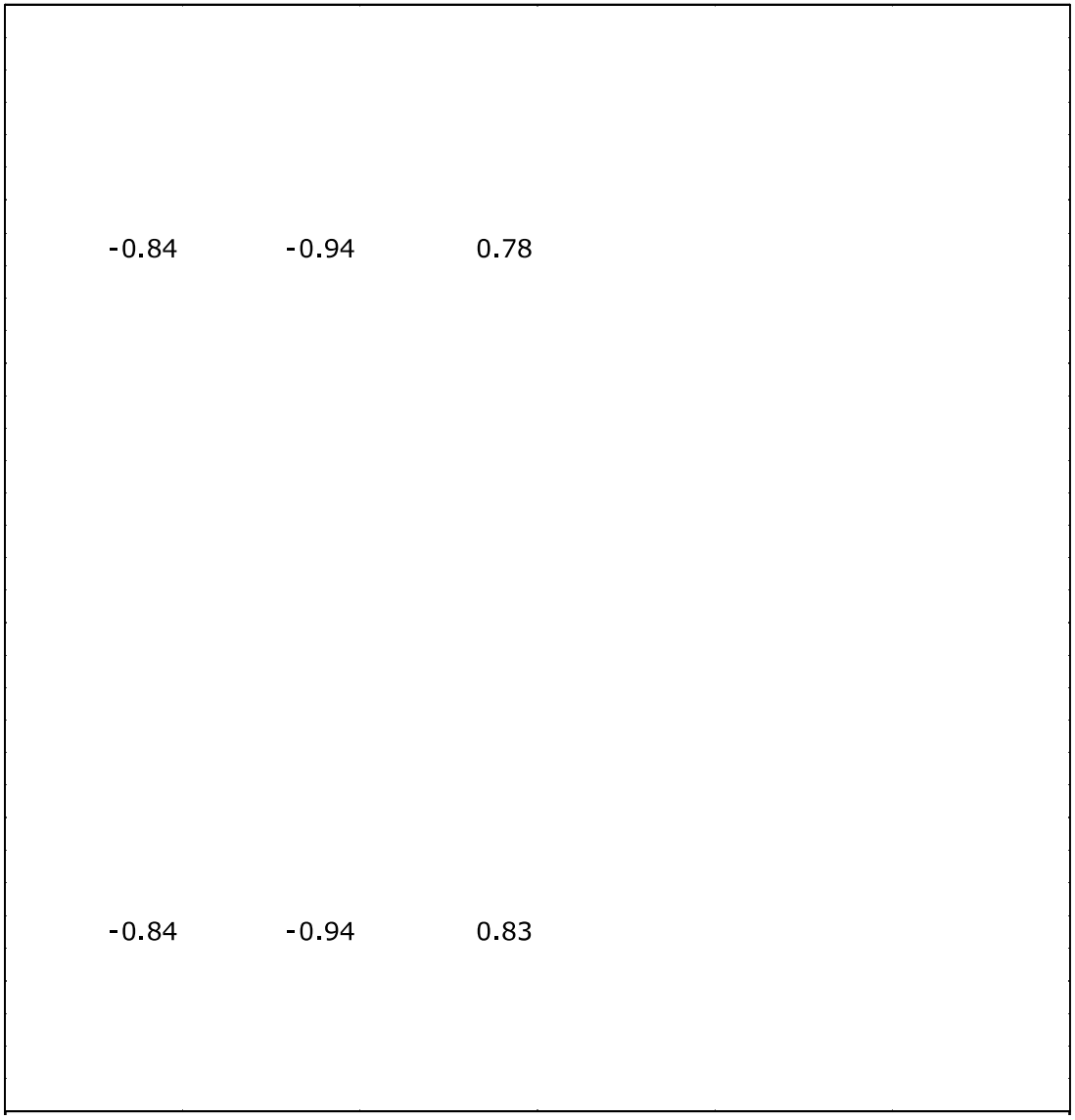
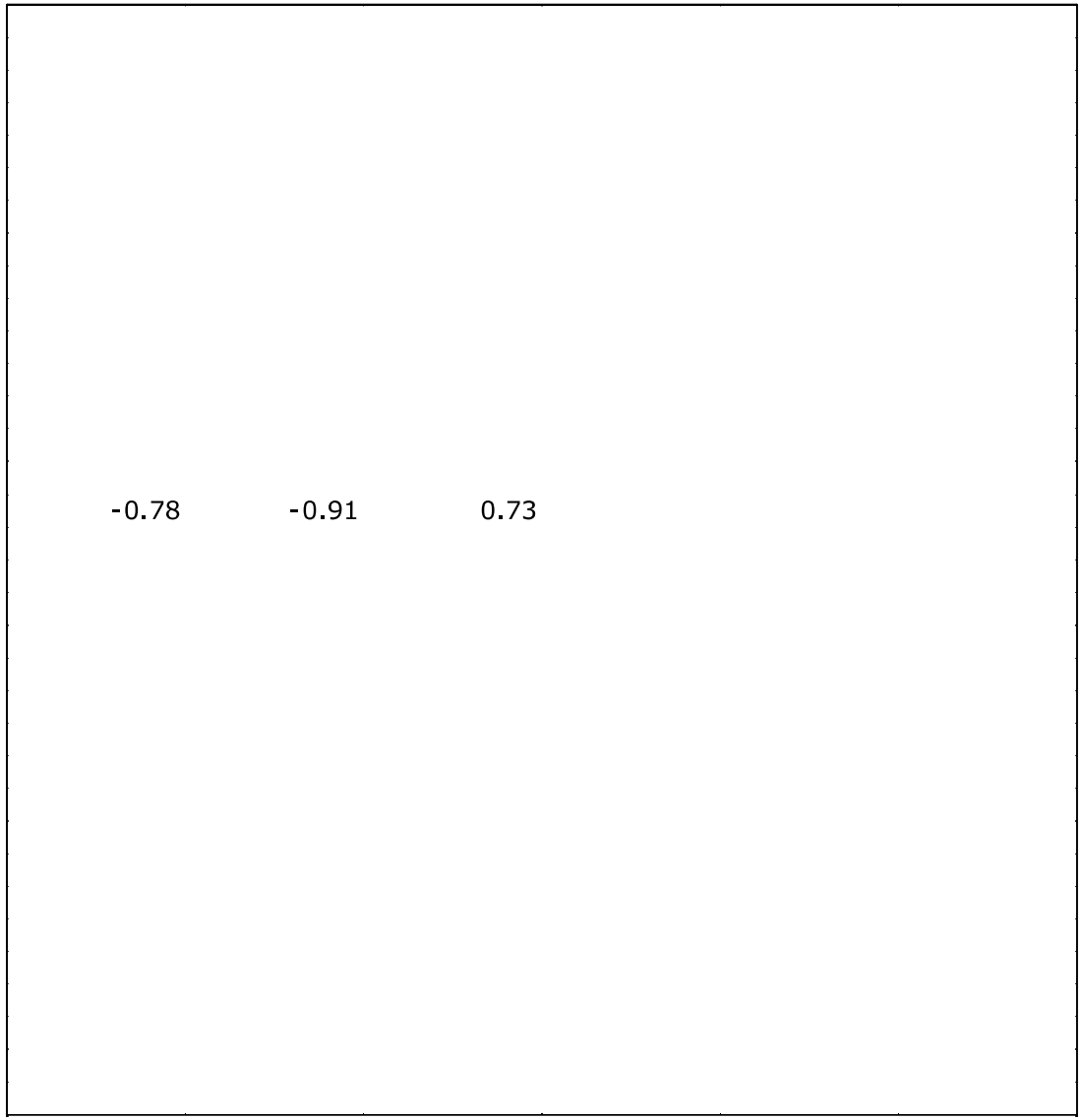
R	5.49	1.70292826	27.3	109.2	1.858				
S	8.01	2.08069076	11.7	70.2	2.172				
T	5.73	1.74571553	18.7	112.2	1.766				
V	6.09	1.80664808	23.3	46.6	1.766				
W	1.15	0.13976194	74.3	891.6	8.80E-02				
Y	3.09	1.12817109	50	350	1.591				
A	7.46	2.00955541	11.7	11.7	1.495	D. melanogas	0.42	-0.68	-0.76
C	1.87	0.62593843	24.7	741	1.115				
D	5.19	1.6467337	12.7	114.3	1.115				
E	6.41	1.85785927	15.3	76.5	1.115				
F	3.55	1.2669476	52	208	1.428				
G	6.18	1.82131827	11.7	11.7	1.495				
H	2.68	0.9858168	38.3	536.2	1.115				
I	4.87	1.58309394	32.3	64.6	1.884				
K	5.55	1.71379793	30.3	242.4	1.428				
L	9.15	2.21375388	27.3	54.6	2.329				
M	2.36	0.85866162	34.3	445.9	0.566				
N	4.65	1.53686722	14.7	147	1.428				
P	5.46	1.69744879	20.3	60.9	1.495				
Q	5.19	1.6467337	16.3	130.4	1.115				
R	5.59	1.72097929	27.3	109.2	2.016				
S	8.26	2.11142459	11.7	70.2	2.214				
T	5.59	1.72097929	18.7	112.2	1.808				
V	5.93	1.78002421	23.3	46.6	1.808				
W	1	0	74.3	891.6	0.253				
Y	2.97	1.08856195	50	350	1.428				
A	7.43	2.00552586	11.7	11.7	1.602	A. gambiae	0.45	-0.63	-0.72
C	2.01	0.69813472	24.7	741	1.127				
D	5.25	1.65822808	12.7	114.3	1.127				
E	6.24	1.83098018	15.3	76.5	1.127				
F	3.76	1.32441896	52	208	1.346				
G	6.36	1.85002838	11.7	11.7	1.602				


-0.84
-0.94
0.78
-0.84
-0.94
0.83

H	2.65	0.97455964	38.3	536.2	1.127				
I	5.23	1.65441128	32.3	64.6	1.788				
K	5.53	1.71018782	30.3	242.4	1.346				
L	9.32	2.23216263	27.3	54.6	2.304				
M	2.24	0.80647587	34.3	445.9	0.538				
N	4.38	1.47704872	14.7	147	1.346				
P	5.13	1.63510566	20.3	60.9	1.602				
Q	4.32	1.4632554	16.3	130.4	1.127				
R	6.02	1.79508726	27.3	109.2	2.086				
S	7.46	2.00955541	11.7	70.2	2.226				
T	5.83	1.763017	18.7	112.2	1.821				
V	6.41	1.85785927	23.3	46.6	1.821				
W	1.12	0.11332869	74.3	891.6	0.319				
Y	3.14	1.1442228	50	350	1.346				
A	6.16	1.81807678	11.7	11.7	1.177	A. thaliana	0.36	-0.56	-0.65
C	1.92	0.65232519	24.7	741	1.058				
D	5.37	1.68082791	12.7	114.3	1.058				
E	6.68	1.89911799	15.3	76.5	1.058				
F	4.32	1.4632554	52	208	1.632				
G	6.31	1.84213568	11.7	11.7	1.177				
H	2.32	0.84156719	38.3	536.2	1.058				
I	5.35	1.67709656	32.3	64.6	2.127				
K	6.39	1.85473427	30.3	242.4	1.632				
L	9.54	2.25549349	27.3	54.6	2.387				
M	2.43	0.88789126	34.3	445.9	0.611				
N	4.39	1.47932923	14.7	147	1.632				
P	4.73	1.5539252	20.3	60.9	1.177				
Q	3.5	1.25276297	16.3	130.4	1.058				
R	5.5	1.70474809	27.3	109.2	1.813				
S	9.02	2.19944433	11.7	70.2	2.157				
T	5.13	1.63510566	18.7	112.2	1.751				
V	6.66	1.89611949	23.3	46.6	1.751				
W	1.29	0.25464222	74.3	891.6	3.70E-02				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Y	2.89	1.0612565	50	350	1.632				
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C	2.31	0.83724753	24.7	741	1.101				
D	4.68	1.54329811	12.7	114.3	1.101				
E	6.95	1.93874166	15.3	76.5	1.101				
F	3.64	1.29198368	52	208	1.494				
G	6.7	1.90210753	11.7	11.7	1.402				
H	2.64	0.97077892	38.3	536.2	1.101				
I	4.35	1.47017585	32.3	64.6	1.962				
K	5.72	1.74396881	30.3	242.4	1.494				
L	9.87	2.28949985	27.3	54.6	2.348				
M	2.2	0.78845736	34.3	445.9	0.585				
N	3.58	1.2753628	14.7	147	1.494				
P	6.37	1.85159947	20.3	60.9	1.402				
Q	4.71	1.54968791	16.3	130.4	1.101				
R	5.68	1.73695123	27.3	109.2	1.956				
S	8.25	2.1102132	11.7	70.2	2.2				
T	5.34	1.67522565	18.7	112.2	1.794				
V	6	1.79175947	23.3	46.6	1.794				
W	1.27	0.2390169	74.3	891.6	0.193				
Y	2.63	0.96698385	50	350	1.494				
A	6.7	1.90210753	11.7	11.7	1.448	M. musculus	0.41	-0.6	-0.72
C	2.47	0.90421815	24.7	741	1.108				
D	4.75	1.55814462	12.7	114.3	1.108				
E	6.79	1.91545094	15.3	76.5	1.108				
F	3.91	1.36353737	52	208	1.462				
G	6.4	1.85629799	11.7	11.7	1.448				
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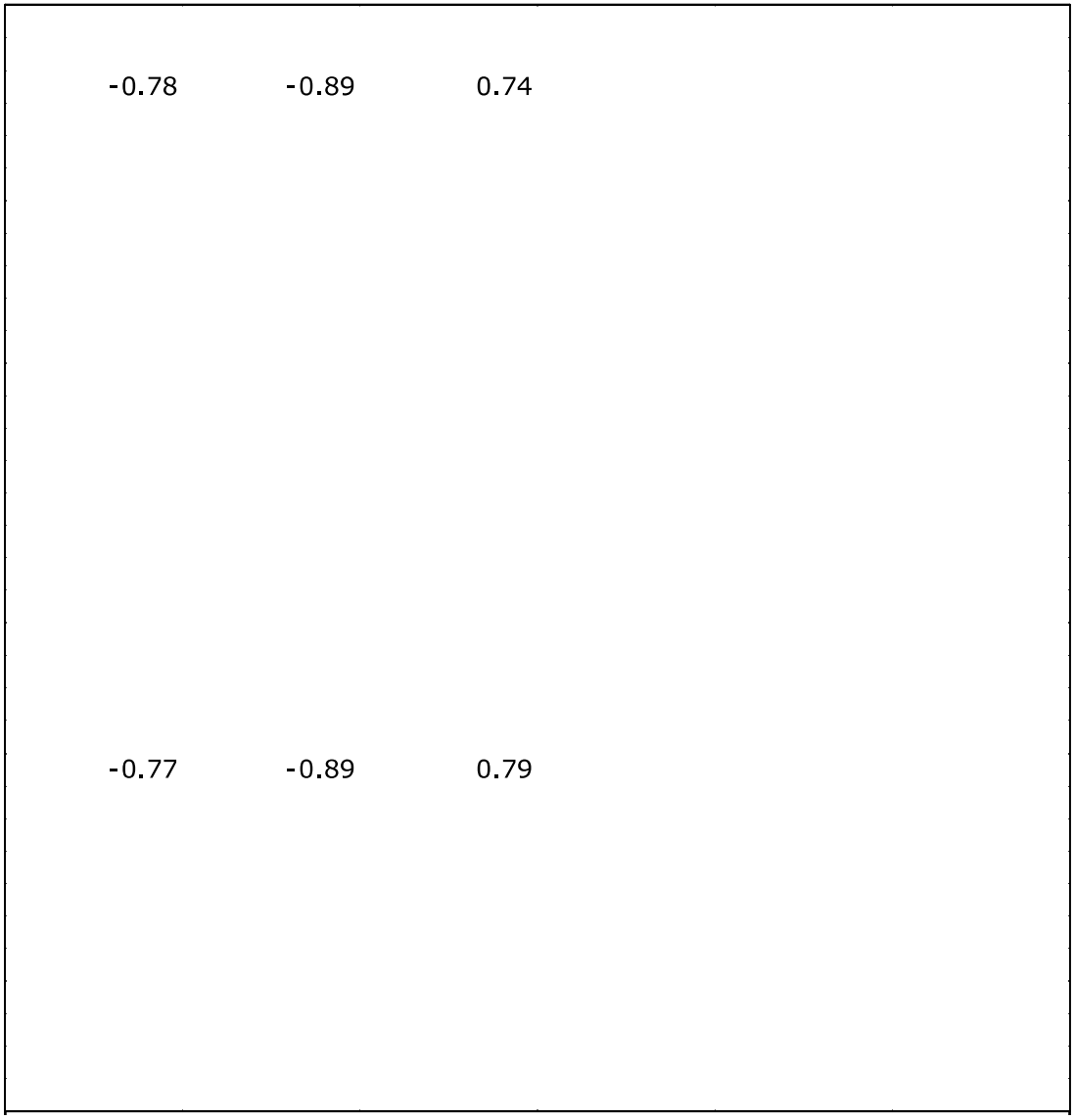
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V	6.18	1.82131827	23.3	46.6	1.801				
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A	6.89	1.93007109	11.7	11.7	1.481	R. norvegicus	0.42	-0.61	-0.72
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E	6.83	1.92132467	15.3	76.5	1.113				
F	3.7	1.30833282	52	208	1.439				
G	6.49	1.87026253	11.7	11.7	1.481				
H	2.62	0.96317432	38.3	536.2	1.113				
I	4.36	1.47247206	32.3	64.6	1.897				
K	5.65	1.73165555	30.3	242.4	1.439				
L	10	2.30258509	27.3	54.6	2.332				
M	2.23	0.80200159	34.3	445.9	0.57				
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P	6.04	1.79840401	20.3	60.9	1.481				
Q	4.7	1.54756251	16.3	130.4	1.113				
R	5.64	1.72988407	27.3	109.2	2.007				
S	8.37	2.12465389	11.7	70.2	2.212				
T	5.46	1.69744879	18.7	112.2	1.806				
V	6.27	1.83577636	23.3	46.6	1.806				
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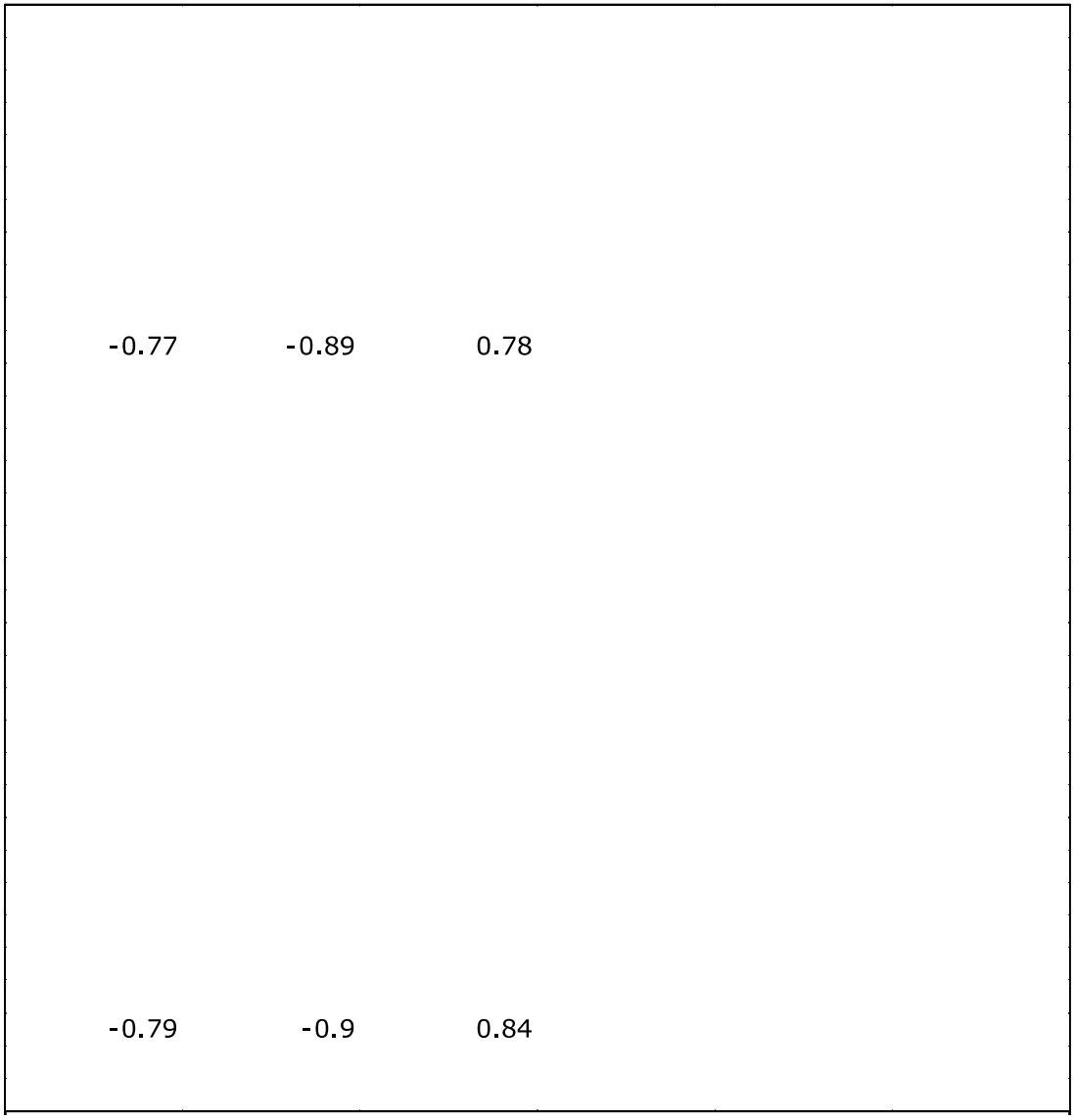
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G	6.44	1.86252854	11.7	11.7	1.642				
H	2.73	1.00430161	38.3	536.2	1.131				
I	4.52	1.50851199	32.3	64.6	1.749				
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Q	4.64	1.53471437	16.3	130.4	1.131				
R	5.78	1.75440368	27.3	109.2	2.112				
S	8.31	2.11745961	11.7	70.2	2.23				
T	5.54	1.7119945	18.7	112.2	1.824				
V	6.55	1.87946505	23.3	46.6	1.824				
W	1.25	0.22314355	74.3	891.6	0.343				
Y	2.85	1.04731899	50	350	1.313				
A	5.81	1.75958057	11.7	11.7	1.157	P. falciparum	0.19	-0.24	-0.43
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D	5.41	1.68824909	12.7	114.3	1.054				
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F	4.11	1.41342303	52	208	1.643				
G	5.72	1.74396881	11.7	11.7	1.157				
H	2.53	0.9282193	38.3	536.2	1.054				
I	5.58	1.71918878	32.3	64.6	2.14				
K	6.44	1.86252854	30.3	242.4	1.643				
L	8.82	2.17702187	27.3	54.6	2.39				
M	2.48	0.90825856	34.3	445.9	0.613				
N	5.16	1.64093658	14.7	147	1.643				
P	4.68	1.54329811	20.3	60.9	1.157				
Q	4.1	1.41098697	16.3	130.4	1.054				
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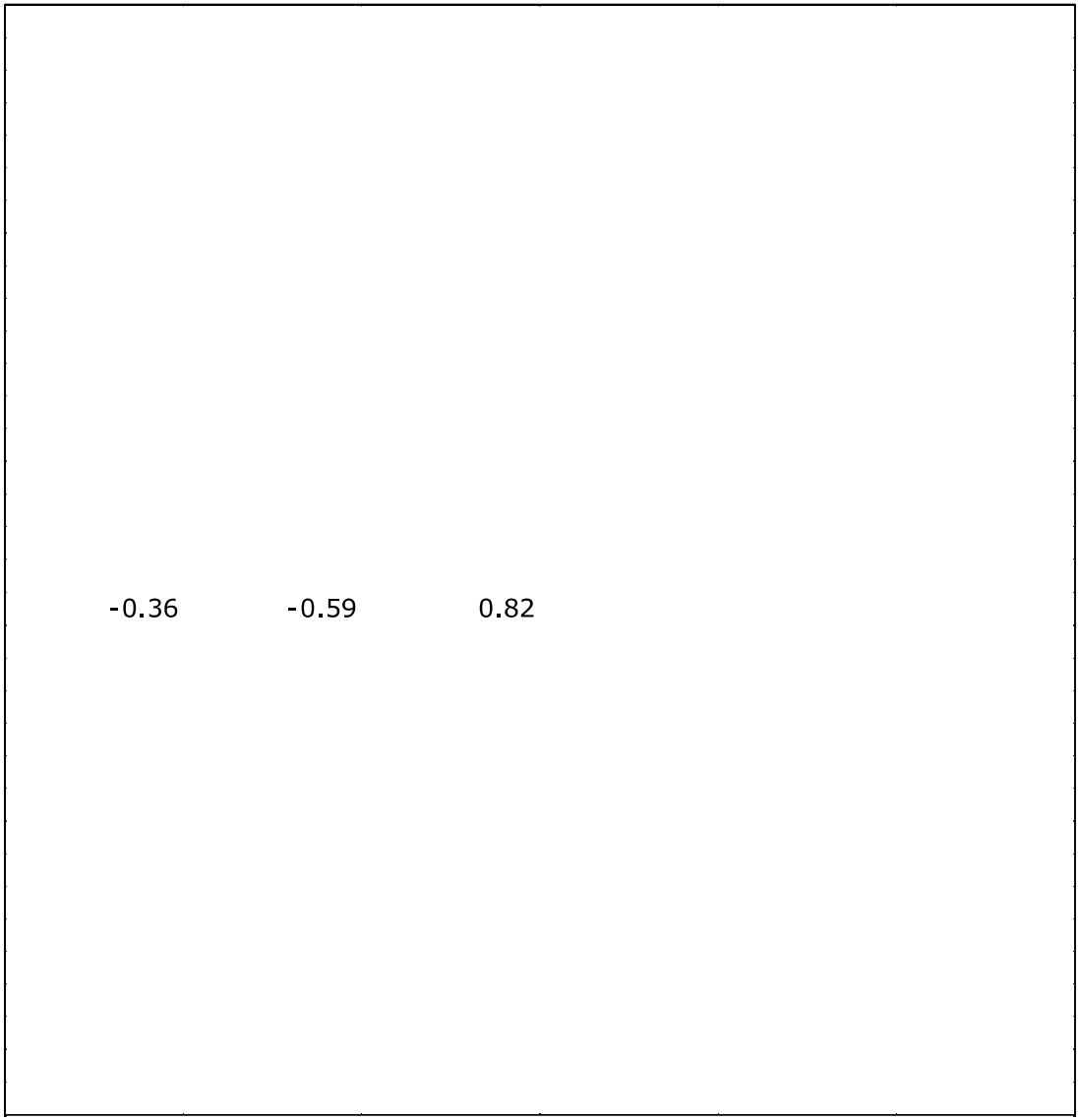
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W	1.2	0.18232156	74.3	891.6	2.30E-02				
Y	3.25	1.178655	50	350	1.643				
A	8.61	2.15292432	11.7	11.7	1.825	C. intestinalis	0.36	-0.61	-0.71
C	1.27	0.2390169	24.7	741	1.139				
D	5.55	1.71379793	12.7	114.3	1.139				
E	6.14	1.81482474	15.3	76.5	1.139				
F	3.7	1.30833282	52	208	1.147				
G	6.7	1.90210753	11.7	11.7	1.825				
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K	4.62	1.53039471	30.3	242.4	1.147				
L	9.12	2.2104698	27.3	54.6	2.241				
M	2.11	0.74668795	34.3	445.9	0.45				
N	3.58	1.2753628	14.7	147	1.147				
P	6.05	1.80005827	20.3	60.9	1.825				
Q	4.06	1.40118297	16.3	130.4	1.139				
R	6.34	1.84687877	27.3	109.2	2.233				
S	8.4	2.12823171	11.7	70.2	2.238				
T	5.88	1.77155676	18.7	112.2	1.833				
V	6.19	1.82293509	23.3	46.6	1.833				
W	1.45	0.37156356	74.3	891.6	0.442				
Y	2.78	1.02245093	50	350	1.147				
A	8.22	2.10657021	11.7	11.7	1.773	A. fumigatus	0.5	-0.61	-0.63
C	1.32	0.27763174	24.7	741	1.139				
D	5.55	1.71379793	12.7	114.3	1.139				
E	6.05	1.80005827	15.3	76.5	1.139				
F	3.86	1.35066718	52	208	1.197				
G	6.88	1.92861865	11.7	11.7	1.773				
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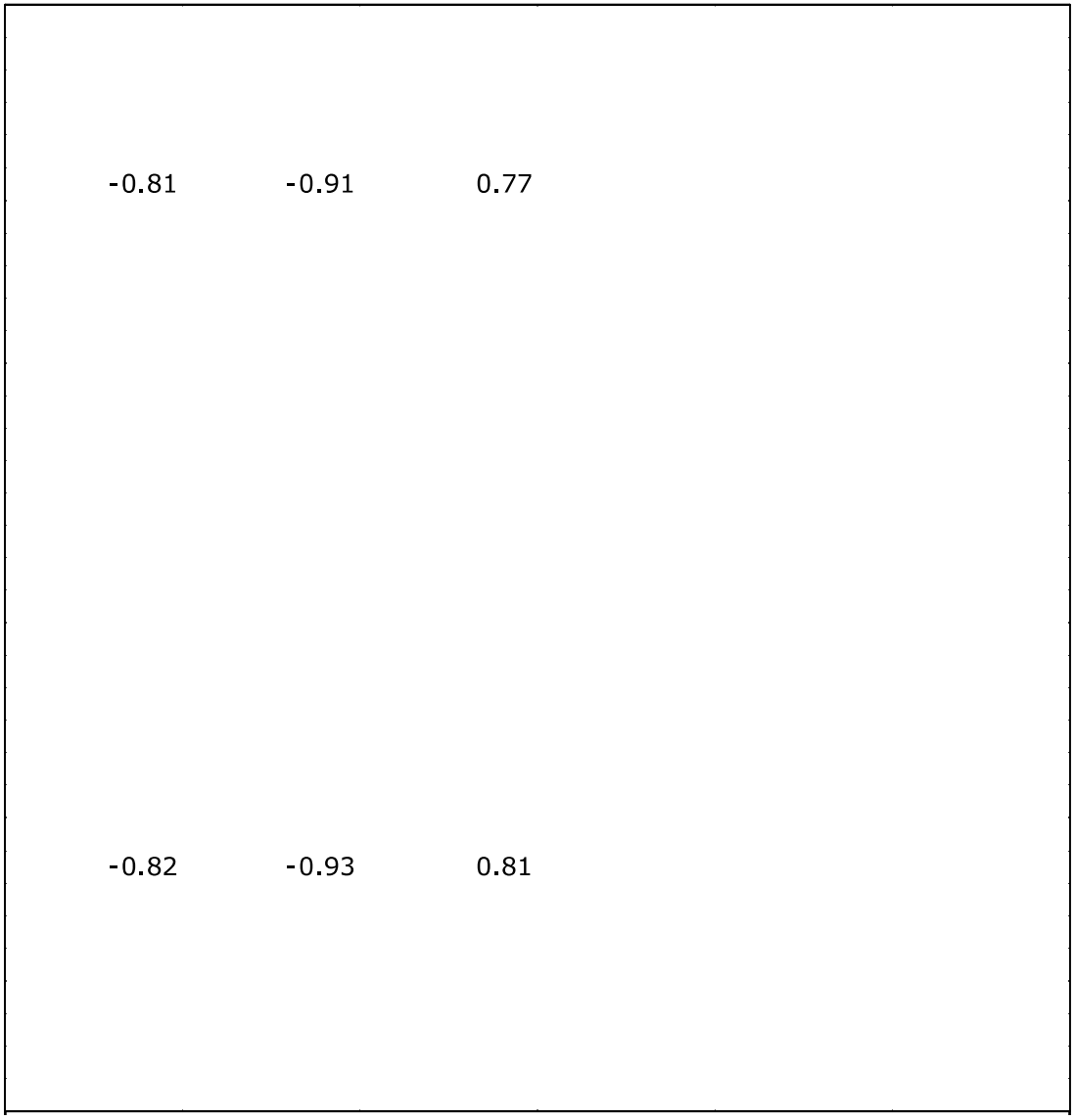
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M	2.21	0.79299252	34.3	445.9	0.474				
N	3.73	1.31640823	14.7	147	1.197				
P	5.81	1.75958057	20.3	60.9	1.773				
Q	3.97	1.3787661	16.3	130.4	1.139				
R	5.94	1.78170913	27.3	109.2	2.199				
S	8.2	2.10413415	11.7	70.2	2.237				
T	5.95	1.78339122	18.7	112.2	1.832				
V	6.31	1.84213568	23.3	46.6	1.832				
W	1.53	0.42526774	74.3	891.6	0.416				
Y	2.95	1.08180517	50	350	1.197				
A	11	2.39789527	11.7	11.7	2.023	C. neoforman	0.49	-0.6	-0.62
C	1.78	0.57661336	24.7	741	1.129				
D	4.91	1.59127394	12.7	114.3	1.129				
E	6.29	1.83896107	15.3	76.5	1.129				
F	3.29	1.19088757	52	208	0.929				
G	6.39	1.85473427	11.7	11.7	2.023				
H	2.48	0.90825856	38.3	536.2	1.129				
I	3.63	1.28923265	32.3	64.6	1.3				
K	2.76	1.01523068	30.3	242.4	0.929				
L	10.3	2.3321439	27.3	54.6	2.165				
M	1.83	0.60431597	34.3	445.9	0.331				
N	2.56	0.94000726	14.7	147	0.929				
P	5.5	1.70474809	20.3	60.9	2.023				
Q	4.3	1.45861502	16.3	130.4	1.129				
R	8.74	2.16791019	27.3	109.2	2.366				
S	7.96	2.074429	11.7	70.2	2.228				
T	5.57	1.71739505	18.7	112.2	1.823				
V	6.74	1.90805993	23.3	46.6	1.823				
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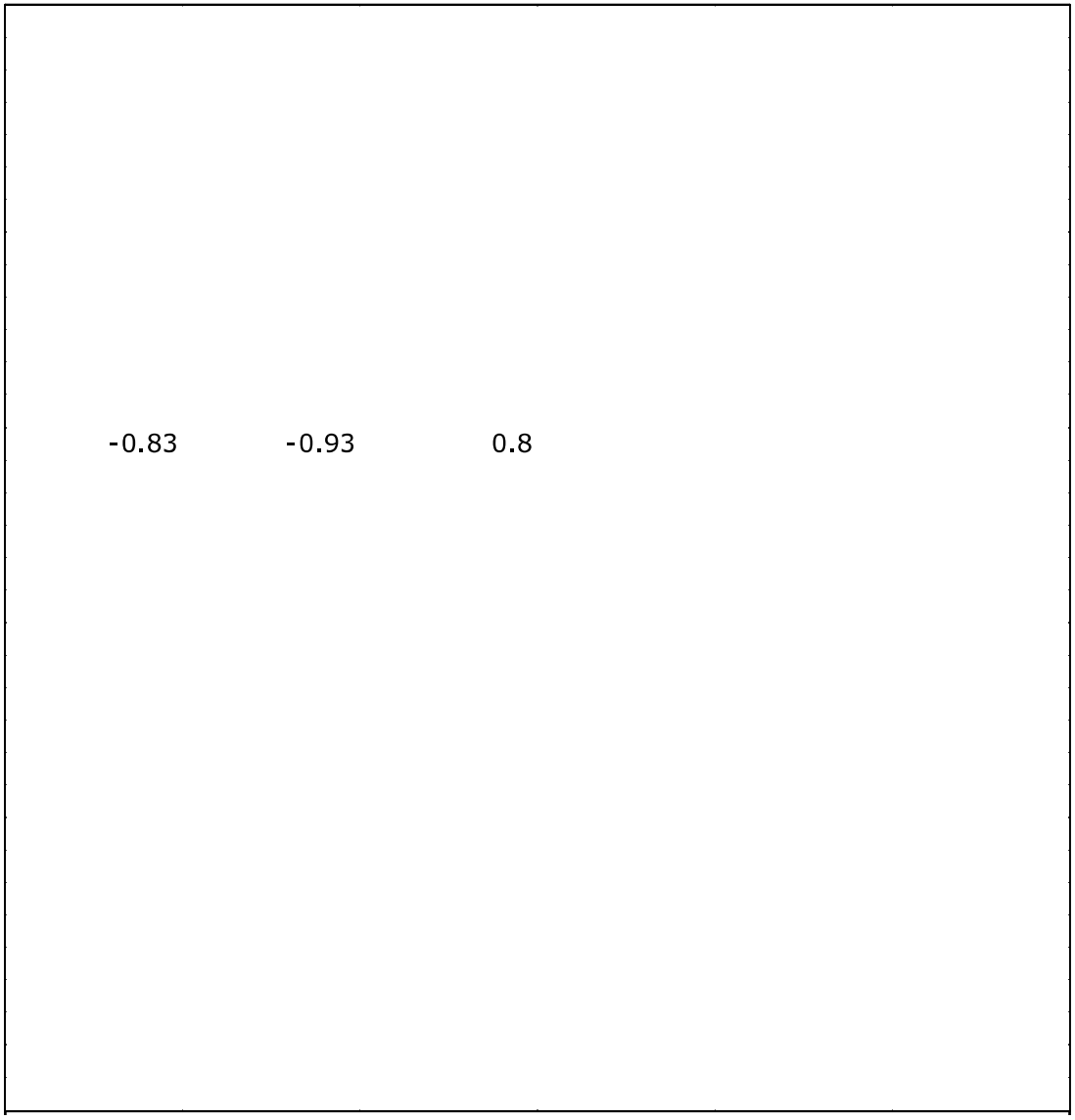
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C	1.34	0.29266961	24.7	741	1.125				
D	5.67	1.73518912	12.7	114.3	1.125				
E	6.67	1.89761986	15.3	76.5	1.125				
F	4.32	1.4632554	52	208	1.366				
G	5.55	1.71379793	11.7	11.7	1.577				
H	2.21	0.79299252	38.3	536.2	1.125				
I	5.48	1.7011051	32.3	64.6	1.811				
K	6.45	1.86408013	30.3	242.4	1.366				
L	9.77	2.27931647	27.3	54.6	2.311				
M	2.05	0.71783979	34.3	445.9	0.545				
N	4.69	1.54543258	14.7	147	1.366				
P	4.56	1.51732262	20.3	60.9	1.577				
Q	4.22	1.43983513	16.3	130.4	1.125				
R	5	1.60943791	27.3	109.2	2.069				
S	9.1	2.20827441	11.7	70.2	2.224				
T	5.71	1.74221902	18.7	112.2	1.818				
V	6.18	1.82131827	23.3	46.6	1.818				
W	1.09	8.62E-02	74.3	891.6	0.304				
Y	3.15	1.14740245	50	350	1.366				
A	7.85	2.06051353	11.7	11.7	1.911	K. waltii	0.44	-0.56	-0.63
C	1.37	0.31481074	24.7	741	1.138				
D	5.63	1.72810944	12.7	114.3	1.138				
E	6.55	1.87946505	15.3	76.5	1.138				
F	3.93	1.36863943	52	208	1.058				
G	5.95	1.78339122	11.7	11.7	1.911				
H	2.39	0.87129337	38.3	536.2	1.138				
I	5.04	1.61740608	32.3	64.6	1.45				
K	5.65	1.73165555	30.3	242.4	1.058				
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M	2.18	0.77932488	34.3	445.9	0.404				
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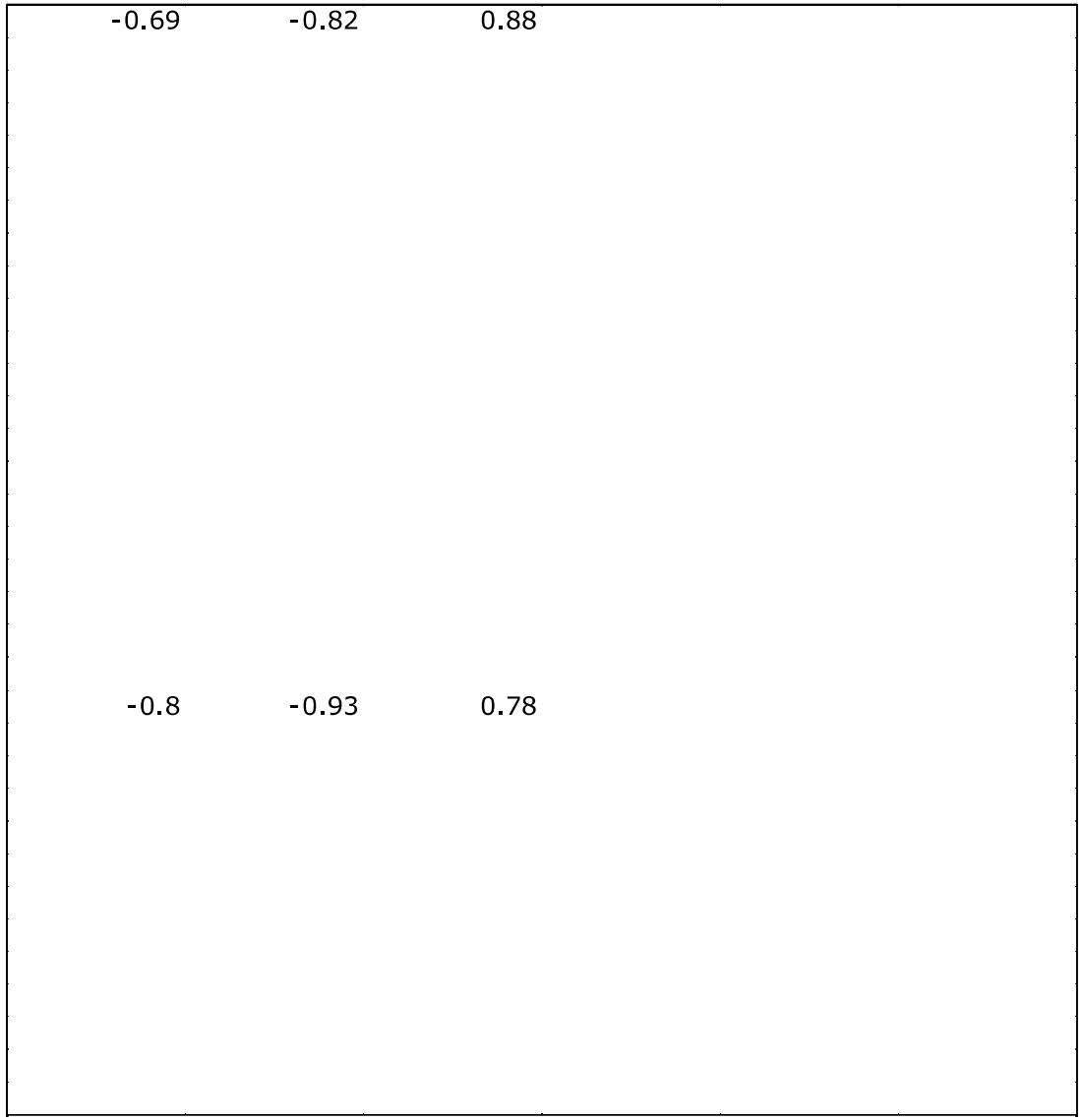
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S	7.96	2.074429	11.7	70.2	2.236				
T	5.44	1.69377906	18.7	112.2	1.831				
V	6.49	1.87026253	23.3	46.6	1.831				
W	1.12	0.11332869	74.3	891.6	0.484				
Y	3.26	1.18172719	50	350	1.058				
A	5.52	1.70837786	11.7	11.7	1.316	A. gossypii	0.52	-0.58	-0.65
C	1.17	0.15700375	24.7	741	1.086				
D	6.15	1.81645208	12.7	114.3	1.086				
E	6.72	1.90508816	15.3	76.5	1.086				
F	4.18	1.43031125	52	208	1.55				
G	5.23	1.65441128	11.7	11.7	1.316				
H	2.12	0.75141609	38.3	536.2	1.086				
I	6.51	1.87333946	32.3	64.6	2.029				
K	7.28	1.98513086	30.3	242.4	1.55				
L	9.3	2.2300144	27.3	54.6	2.364				
M	2.2	0.78845736	34.3	445.9	0.598				
N	6.02	1.79508726	14.7	147	1.55				
P	4.25	1.44691898	20.3	60.9	1.316				
Q	3.93	1.36863943	16.3	130.4	1.086				
R	4.43	1.48839958	27.3	109.2	1.901				
S	8.69	2.16217294	11.7	70.2	2.185				
T	5.87	1.76985463	18.7	112.2	1.779				
V	5.85	1.76644166	23.3	46.6	1.779				
W	0.98	-2.02E-02	74.3	891.6	0.134				
Y	3.48	1.24703229	50	350	1.55				
A	5.58	1.71918878	11.7	11.7	1.323	C. glabrata	0.39	-0.54	-0.61
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D	6.02	1.79508726	12.7	114.3	1.088				
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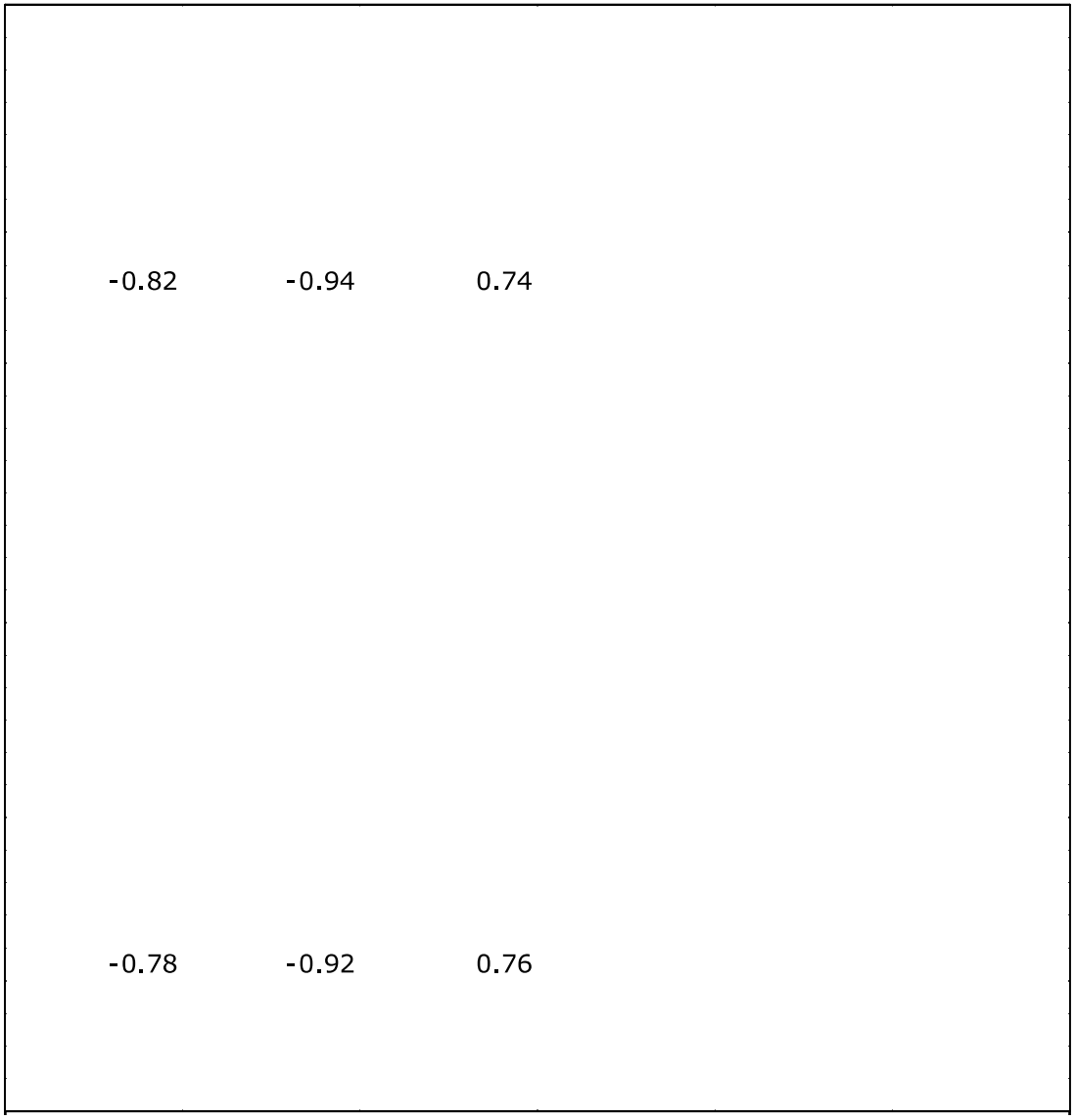
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I	6.33	1.84530024	32.3	64.6	2.023				
K	7.04	1.95160817	30.3	242.4	1.545				
L	9.72	2.27418562	27.3	54.6	2.363				
M	2.08	0.73236789	34.3	445.9	0.597				
N	5.54	1.7119945	14.7	147	1.545				
P	4.31	1.4609379	20.3	60.9	1.323				
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V	6	1.79175947	23.3	46.6	1.781				
W	1.09	8.62E-02	74.3	891.6	0.14				
Y	3.34	1.20597081	50	350	1.545				
A	7.81	2.05540496	11.7	11.7	1.794	K. lactis	0.39	-0.53	-0.6
C	1.22	0.19885086	24.7	741	1.139				
D	5.97	1.78674693	12.7	114.3	1.139				
E	6.47	1.86717611	15.3	76.5	1.139				
F	3.88	1.35583515	52	208	1.177				
G	6.37	1.85159947	11.7	11.7	1.794				
H	2.42	0.88376754	38.3	536.2	1.139				
I	4.9	1.58923521	32.3	64.6	1.589				
K	5.85	1.76644166	30.3	242.4	1.177				
L	8.71	2.16447179	27.3	54.6	2.251				
M	2.24	0.80647587	34.3	445.9	0.465				
N	4.02	1.3912819	14.7	147	1.177				
P	5.46	1.69744879	20.3	60.9	1.794				
Q	4.19	1.43270073	16.3	130.4	1.139				
R	5.09	1.62727783	27.3	109.2	2.213				
S	8.25	2.1102132	11.7	70.2	2.238				
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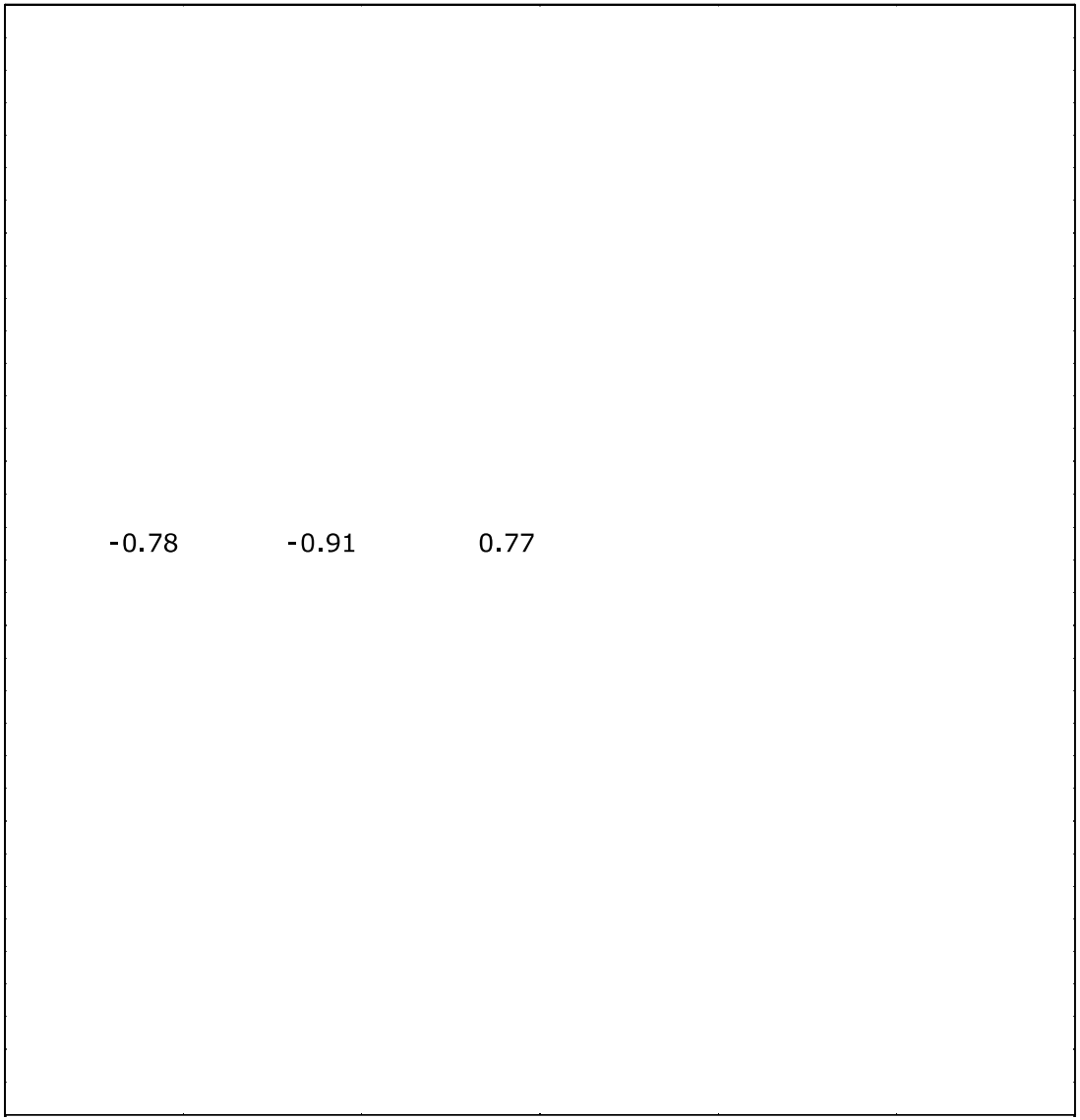
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C	1.17	0.15700375	24.7	741	1.061				
D	6.14	1.81482474	12.7	114.3	1.061				
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F	4.47	1.49738841	52	208	1.624				
G	5.21	1.65057986	11.7	11.7	1.191				
H	2.08	0.73236789	38.3	536.2	1.061				
I	7.05	1.95302762	32.3	64.6	2.117				
K	7.35	1.99470031	30.3	242.4	1.624				
L	9.61	2.26280422	27.3	54.6	2.385				
M	1.99	0.68813464	34.3	445.9	0.61				
N	6.63	1.8916048	14.7	147	1.624				
P	4.23	1.44220199	20.3	60.9	1.191				
Q	3.8	1.33500107	16.3	130.4	1.061				
R	4.02	1.3912819	27.3	109.2	1.821				
S	8.88	2.18380156	11.7	70.2	2.16				
T	5.46	1.69744879	18.7	112.2	1.754				
V	5.42	1.69009582	23.3	46.6	1.754				
W	0.99	-1.01E-02	74.3	891.6	4.70E-02				
Y	3.6	1.28093385	50	350	1.624				
A	2.03	0.71	11.7	11.7	-6.20E-02	D. hansenii	0.36	-0.5	-0.58
C	1.78	0.58	24.7	741	0.67				
D	6.46	1.87	12.7	114.3	0.67				
E	7.13	1.96	15.3	76.5	0.67				
F	4.25	1.45	52	208	2.095				
G	2.94	1.08	11.7	11.7	-6.20E-02				
H	2.43	0.89	38.3	536.2	0.67				
I	9.12	2.21	32.3	64.6	2.686				
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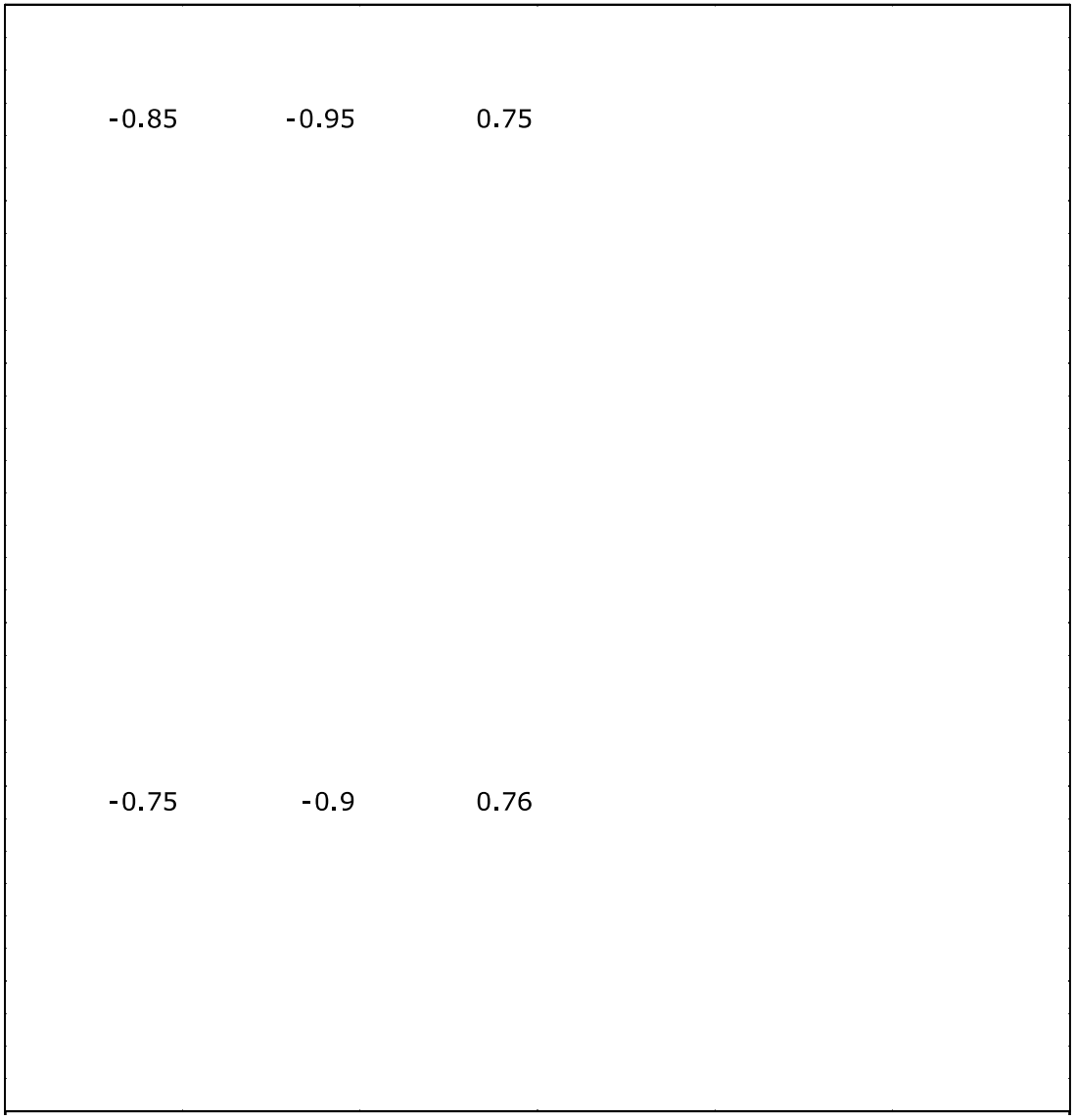
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R	2.67	0.98	27.3	109.2	1.063				
S	6.42	1.86	11.7	70.2	1.768				
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V	3.94	1.37	23.3	46.6	1.363				
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Y	5.64	1.73	50	350	2.095				
A	5.47	1.69927862	11.7	11.7	0.895	M. jannaschii	0.31	-0.29	-0.44
C	1.27	0.2390169	24.7	741	0.989				
D	5.54	1.7119945	12.7	114.3	0.989				
E	8.68	2.16102153	15.3	76.5	0.989				
F	4.22	1.43983513	52	208	1.775				
G	6.34	1.84687877	11.7	11.7	0.895				
H	1.43	0.35767444	38.3	536.2	0.989				
I	10.4	2.34180581	32.3	64.6	2.298				
K	10.4	2.34180581	30.3	242.4	1.775				
L	9.48	2.24918432	27.3	54.6	2.423				
M	2.2	0.78845736	34.3	445.9	0.613				
N	5.29	1.66581825	14.7	147	1.775				
P	3.36	1.21194097	20.3	60.9	0.895				
Q	1.45	0.37156356	16.3	130.4	0.989				
R	3.85	1.34807315	27.3	109.2	1.636				
S	4.48	1.49962305	11.7	70.2	2.087				
T	4.04	1.39624469	18.7	112.2	1.682				
V	6.86	1.92570744	23.3	46.6	1.682				
W	0.72	-0.3285041	74.3	891.6	-0.173				
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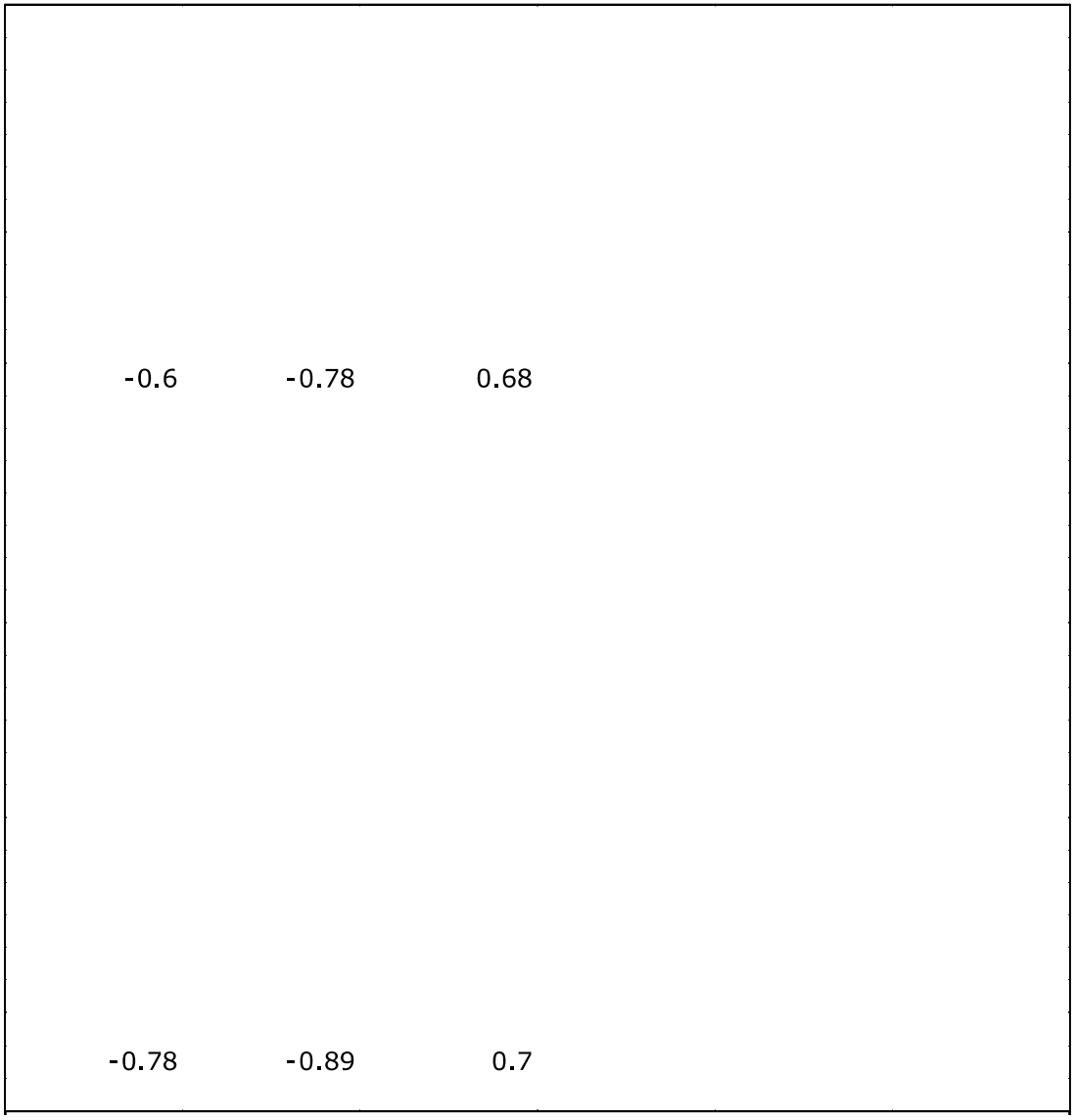
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F	3.64	1.29198368	52	208	1.158				
G	7.97	2.07568449	11.7	11.7	1.814				
H	1.87	0.62593843	38.3	536.2	1.139				
I	7.7	2.04122033	32.3	64.6	1.566				
K	4.56	1.51732262	30.3	242.4	1.158				
L	9.47	2.24812891	27.3	54.6	2.244				
M	2.93	1.07500242	34.3	445.9	0.455				
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S	6.14	1.81482474	11.7	70.2	2.238				
T	4.96	1.60140574	18.7	112.2	1.832				
V	7.74	2.04640169	23.3	46.6	1.832				
W	0.84	-0.1743534	74.3	891.6	0.437				
Y	3.22	1.16938136	50	350	1.158				
A	7.84	2.05923883	11.7	11.7	1.775	A. fulgidus	0.49	-0.4	-0.46
C	1.17	0.15700375	24.7	741	1.139				
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E	8.9	2.18605128	15.3	76.5	1.139				
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G	7.24	1.97962121	11.7	11.7	1.775				
H	1.51	0.41210965	38.3	536.2	1.139				
I	7.22	1.97685495	32.3	64.6	1.61				
K	6.86	1.92570744	30.3	242.4	1.195				
L	9.5	2.2512918	27.3	54.6	2.257				
M	2.62	0.96317432	34.3	445.9	0.473				
N	3.21	1.16627094	14.7	147	1.195				
P	3.86	1.35066718	20.3	60.9	1.775				
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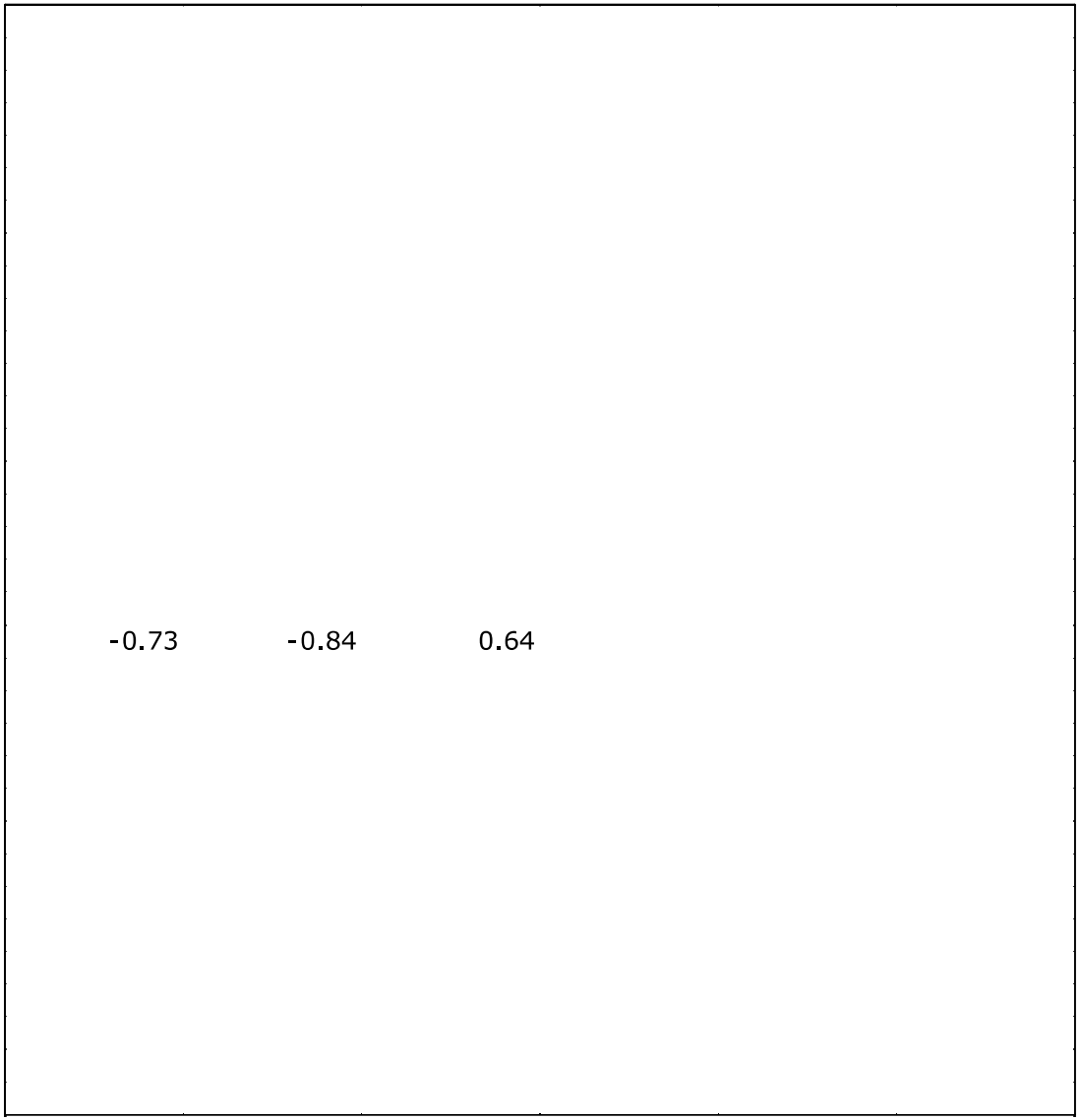
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V	8.61	2.15292432	23.3	46.6	1.832				
W	1.03	2.96E-02	74.3	891.6	0.417				
Y	3.64	1.29198368	50	350	1.195				
A	6.37	1.85159947	11.7	11.7	1.478	P. horikoshii	0.42	-0.32	-0.36
C	0.63	-0.4620355	24.7	741	1.113				
D	4.26	1.44926916	12.7	114.3	1.113				
E	8.29	2.11504997	15.3	76.5	1.113				
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H	1.49	0.39877612	38.3	536.2	1.113				
I	8.78	2.17247641	32.3	64.6	1.899				
K	7.74	2.04640169	30.3	242.4	1.44				
L	10.3	2.3321439	27.3	54.6	2.333				
M	2.4	0.87546874	34.3	445.9	0.57				
N	3.53	1.26129787	14.7	147	1.44				
P	4.5	1.5040774	20.3	60.9	1.478				
Q	1.63	0.48858002	16.3	130.4	1.113				
R	5.45	1.69561561	27.3	109.2	2.005				
S	5.85	1.76644166	11.7	70.2	2.211				
T	4.51	1.50629715	18.7	112.2	1.806				
V	7.55	2.02154756	23.3	46.6	1.806				
W	1.17	0.15700375	74.3	891.6	0.242				
Y	3.84	1.34547237	50	350	1.44				
A	6.67	1.89761986	11.7	11.7	1.609	P. abyssi	0.45	-0.33	-0.35
C	0.55	-0.597837	24.7	741	1.128				
D	4.6	1.5260563	12.7	114.3	1.128				
E	8.84	2.17928688	15.3	76.5	1.128				
F	4.35	1.47017585	52	208	1.341				
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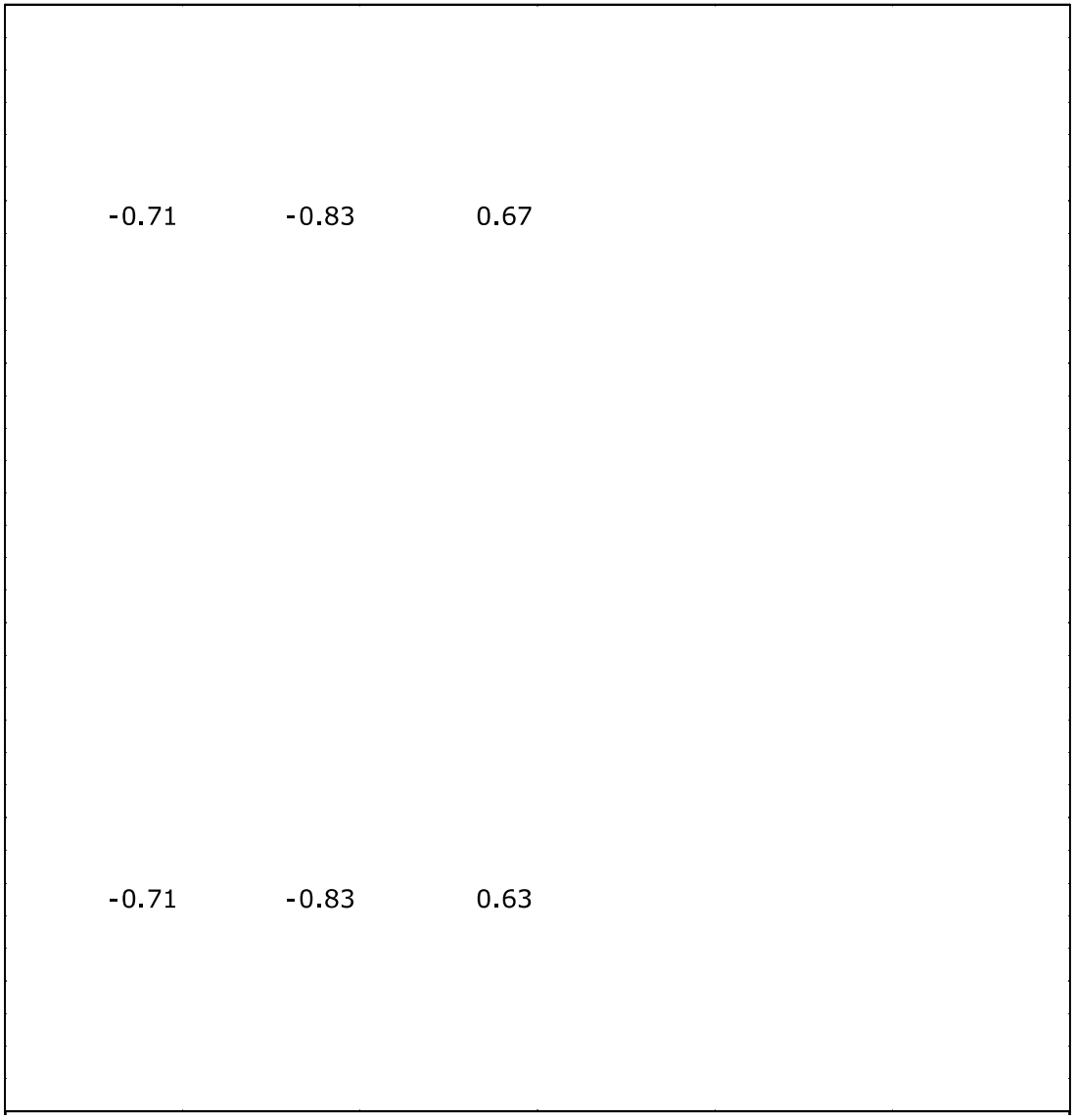
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L	10.2	2.32238772	27.3	54.6	2.303				
M	2.39	0.87129337	34.3	445.9	0.536				
N	3.33	1.2029723	14.7	147	1.341				
P	4.25	1.44691898	20.3	60.9	1.609				
Q	1.66	0.5068176	16.3	130.4	1.128				
R	5.72	1.74396881	27.3	109.2	2.09				
S	4.97	1.60341984	11.7	70.2	2.227				
T	4.2	1.43508453	18.7	112.2	1.821				
V	8.07	2.08815348	23.3	46.6	1.821				
W	1.17	0.15700375	74.3	891.6	0.323				
Y	3.82	1.34025042	50	350	1.341				
A	9.69	2.27109443	11.7	11.7	2.07	A. pernix	0.56	-0.44	-0.44
C	0.78	-0.2484614	24.7	741	1.123				
D	4.22	1.43983513	12.7	114.3	1.123				
E	7.27	1.98375629	15.3	76.5	1.123				
F	2.87	1.05431203	52	208	0.87				
G	8.84	2.17928688	11.7	11.7	2.07				
H	1.61	0.47623418	38.3	536.2	1.123				
I	5.53	1.71018782	32.3	64.6	1.232				
K	3.94	1.37118072	30.3	242.4	0.87				
L	11	2.39789527	27.3	54.6	2.144				
M	2.21	0.79299252	34.3	445.9	0.295				
N	1.97	0.67803354	14.7	147	0.87				
P	5.52	1.70837786	20.3	60.9	2.07				
Q	1.76	0.56531381	16.3	130.4	1.123				
R	7.8	2.05412373	27.3	109.2	2.398				
S	6.66	1.89611949	11.7	70.2	2.222				
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V	9.03	2.20055237	23.3	46.6	1.817				
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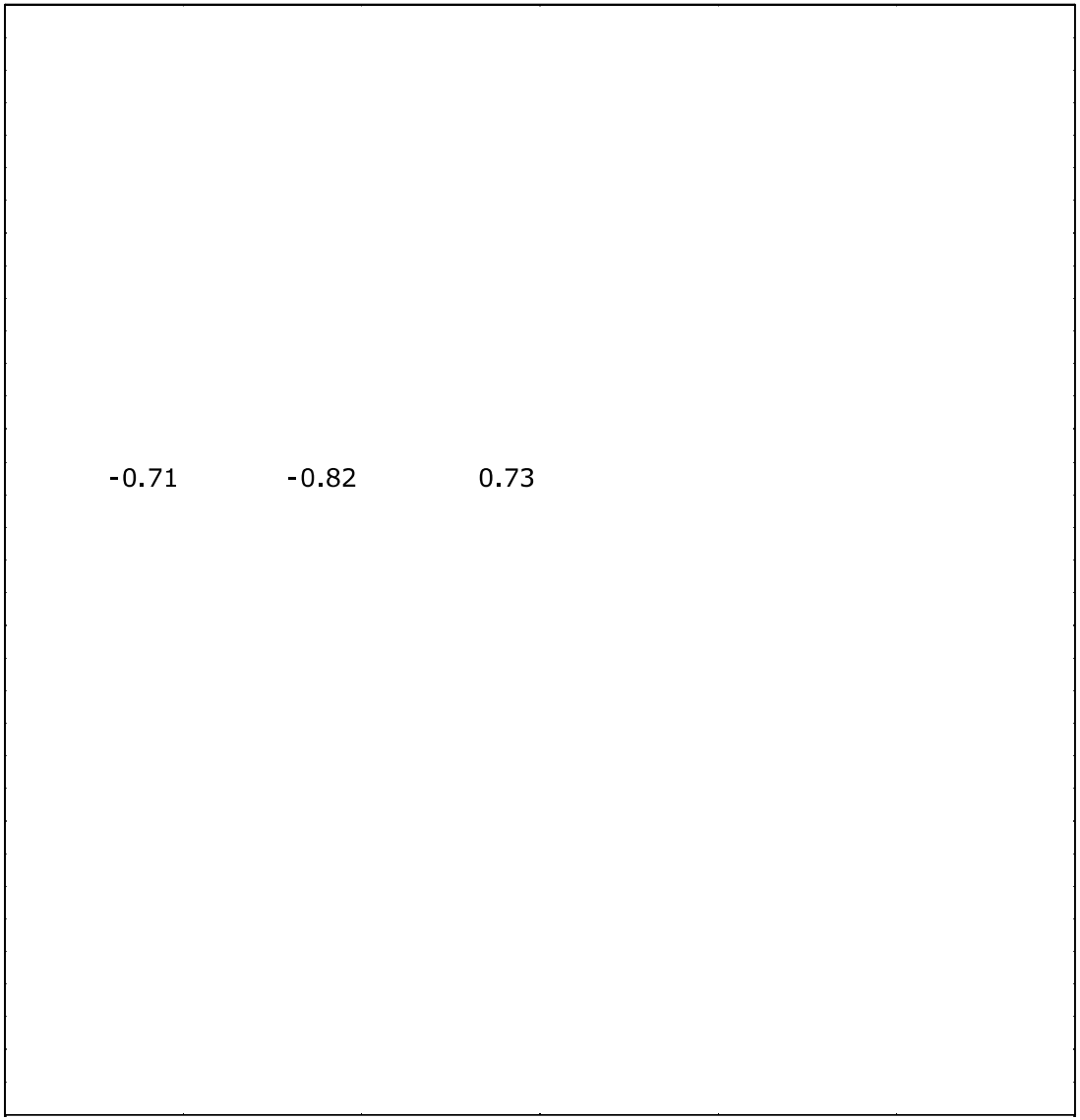
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C	0.6	-0.5108256	24.7	741	1.133				
D	5.74	1.74745921	12.7	114.3	1.133				
E	5.97	1.78674693	15.3	76.5	1.133				
F	4.7	1.54756251	52	208	1.294				
G	7.25	1.98100147	11.7	11.7	1.665				
H	1.64	0.49469624	38.3	536.2	1.133				
I	9.01	2.19833507	32.3	64.6	1.726				
K	5.63	1.72810944	30.3	242.4	1.294				
L	8.38	2.12584791	27.3	54.6	2.288				
M	3.2	1.16315081	34.3	445.9	0.517				
N	4.25	1.44691898	14.7	147	1.294				
P	3.96	1.37624403	20.3	60.9	1.665				
Q	2.15	0.76546784	16.3	130.4	1.133				
R	5.49	1.70292826	27.3	109.2	2.127				
S	7.57	2.02419307	11.7	70.2	2.232				
T	4.77	1.56234631	18.7	112.2	1.826				
V	7.15	1.96711236	23.3	46.6	1.826				
W	0.85	-0.1625189	74.3	891.6	0.356				
Y	4.63	1.53255687	50	350	1.294				
A	6.35	1.84845481	11.7	11.7	1.382	T. volcanium	0.4	-0.39	-0.44
C	0.62	-0.4780358	24.7	741	1.098				
D	5.48	1.7011051	12.7	114.3	1.098				
E	6.35	1.84845481	15.3	76.5	1.098				
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G	6.95	1.93874166	11.7	11.7	1.382				
H	1.52	0.41871034	38.3	536.2	1.098				
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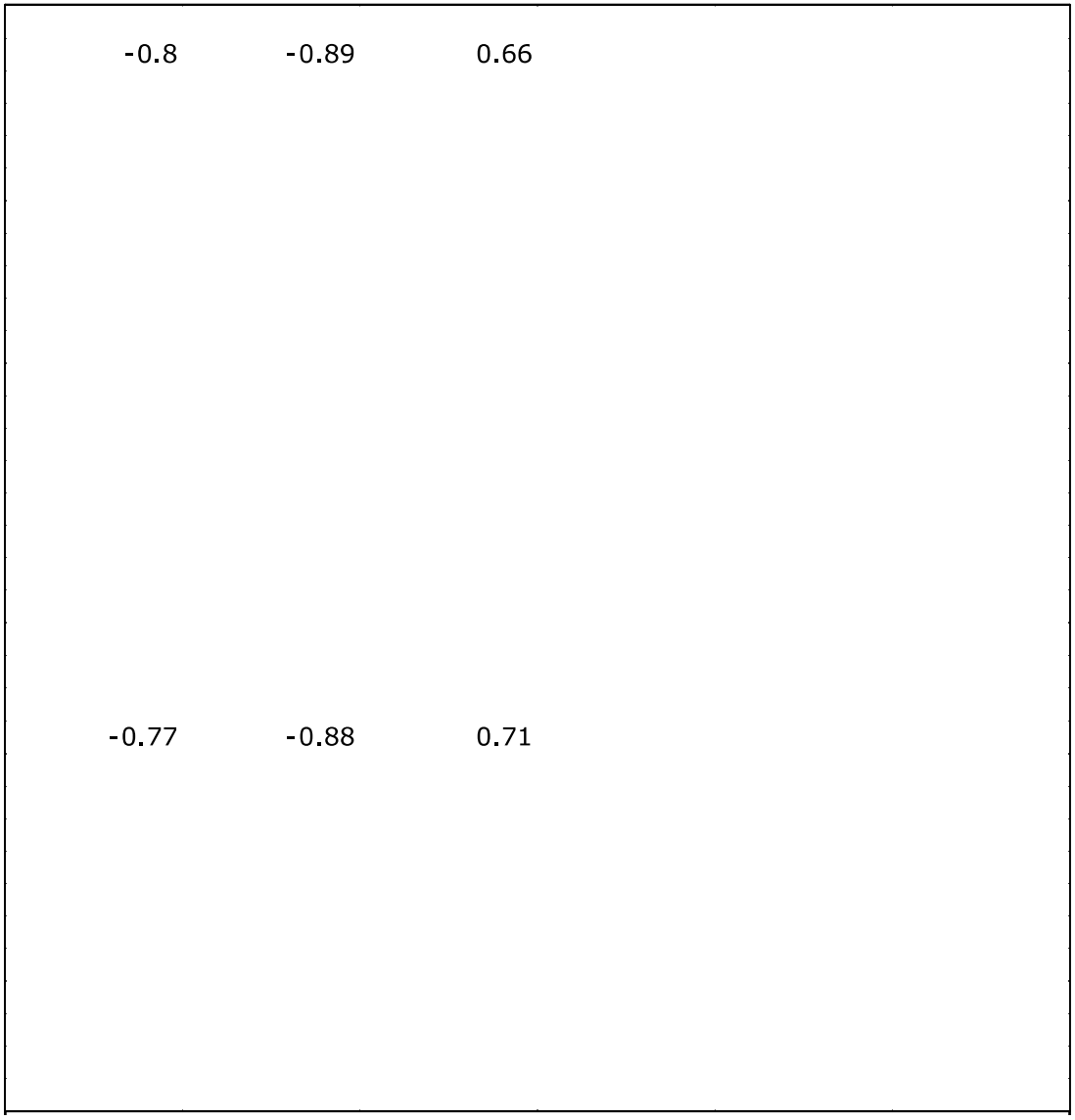
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Y	4.75	1.55814462	50	350	1.507				
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C	0.73	-0.3147107	24.7	741	1.032				
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E	6.69	1.90061387	15.3	76.5	1.032				
F	3.11	1.13462273	52	208	0.372				
G	8.52	2.14241634	11.7	11.7	2.386				
H	2.24	0.80647587	38.3	536.2	1.032				
I	3.58	1.2753628	32.3	64.6	0.665				
K	1.64	0.49469624	30.3	242.4	0.372				
L	8.34	2.12106322	27.3	54.6	1.955				
M	1.74	0.55388511	34.3	445.9	-4.40E-02				
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Q	2.6	0.95551145	16.3	130.4	1.032				
R	6.49	1.87026253	27.3	109.2	2.616				
S	5.24	1.6563215	11.7	70.2	2.131				
T	6.83	1.92132467	18.7	112.2	1.726				
V	9.61	2.26280422	23.3	46.6	1.726				
W	1.06	5.83E-02	74.3	891.6	0.616				
Y	2.52	0.9242589	50	350	0.372				
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C	0.61	-0.4942963	24.7	741	1.055				
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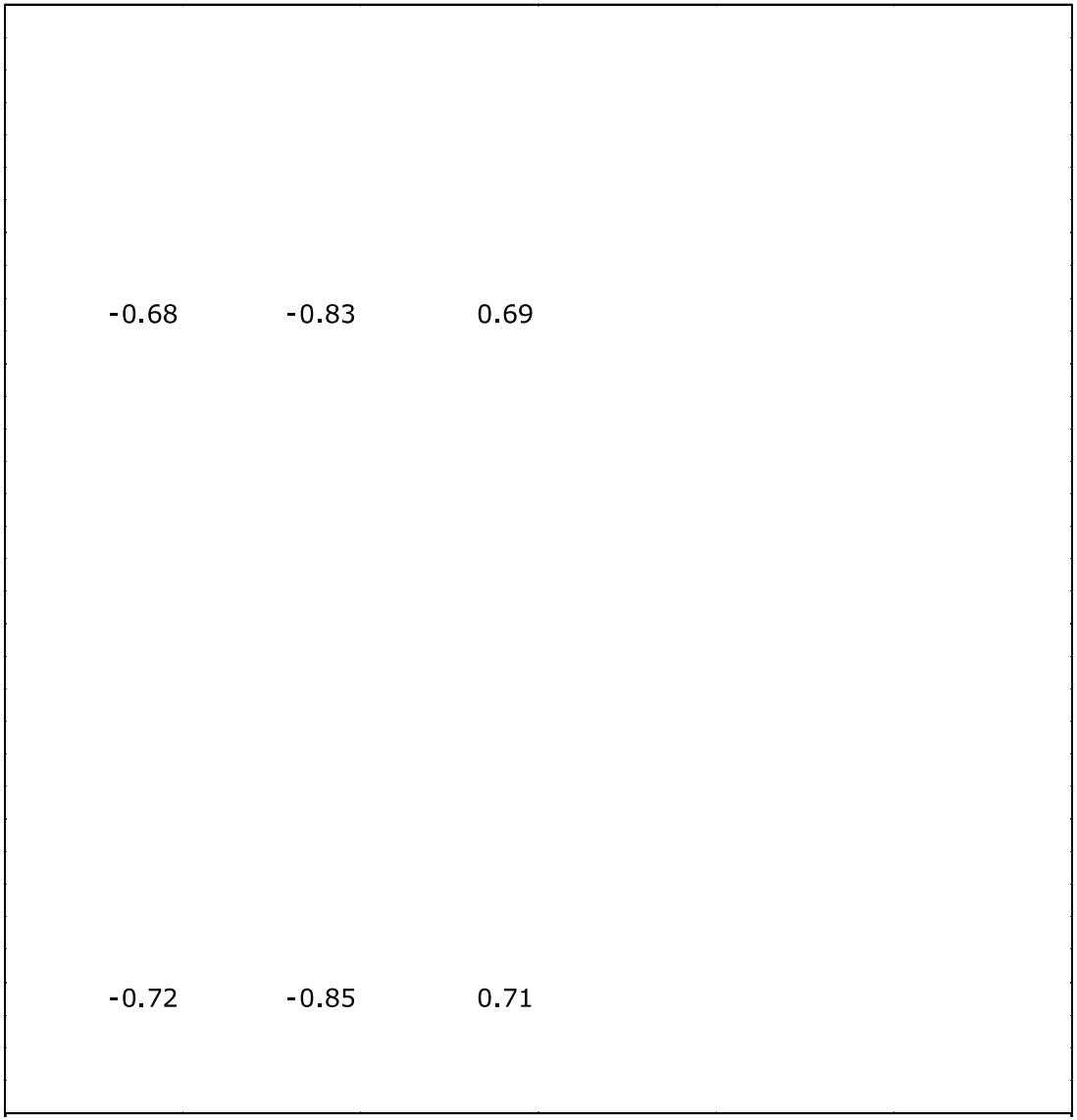
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I	9.43	2.2438961	32.3	64.6	2.136				
K	7.74	2.04640169	30.3	242.4	1.64				
L	10.3	2.3321439	27.3	54.6	2.389				
M	2.2	0.78845736	34.3	445.9	0.612				
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W	1.05	4.88E-02	74.3	891.6	2.80E-02				
Y	4.82	1.57277393	50	350	1.64				
A	6.55	1.87946505	11.7	11.7	1.424	P. furiosus	0.41	-0.31	-0.35
C	0.59	-0.5276327	24.7	741	1.105				
D	4.36	1.47247206	12.7	114.3	1.105				
E	8.9	2.18605128	15.3	76.5	1.105				
F	4.43	1.48839958	52	208	1.478				
G	7.12	1.96290773	11.7	11.7	1.424				
H	1.51	0.41210965	38.3	536.2	1.105				
I	8.7	2.16332303	32.3	64.6	1.943				
K	8.1	2.09186406	30.3	242.4	1.478				
L	10.1	2.31253542	27.3	54.6	2.344				
M	2.2	0.78845736	34.3	445.9	0.581				
N	3.48	1.24703229	14.7	147	1.478				
P	4.28	1.45395301	20.3	60.9	1.424				
Q	1.75	0.55961579	16.3	130.4	1.105				
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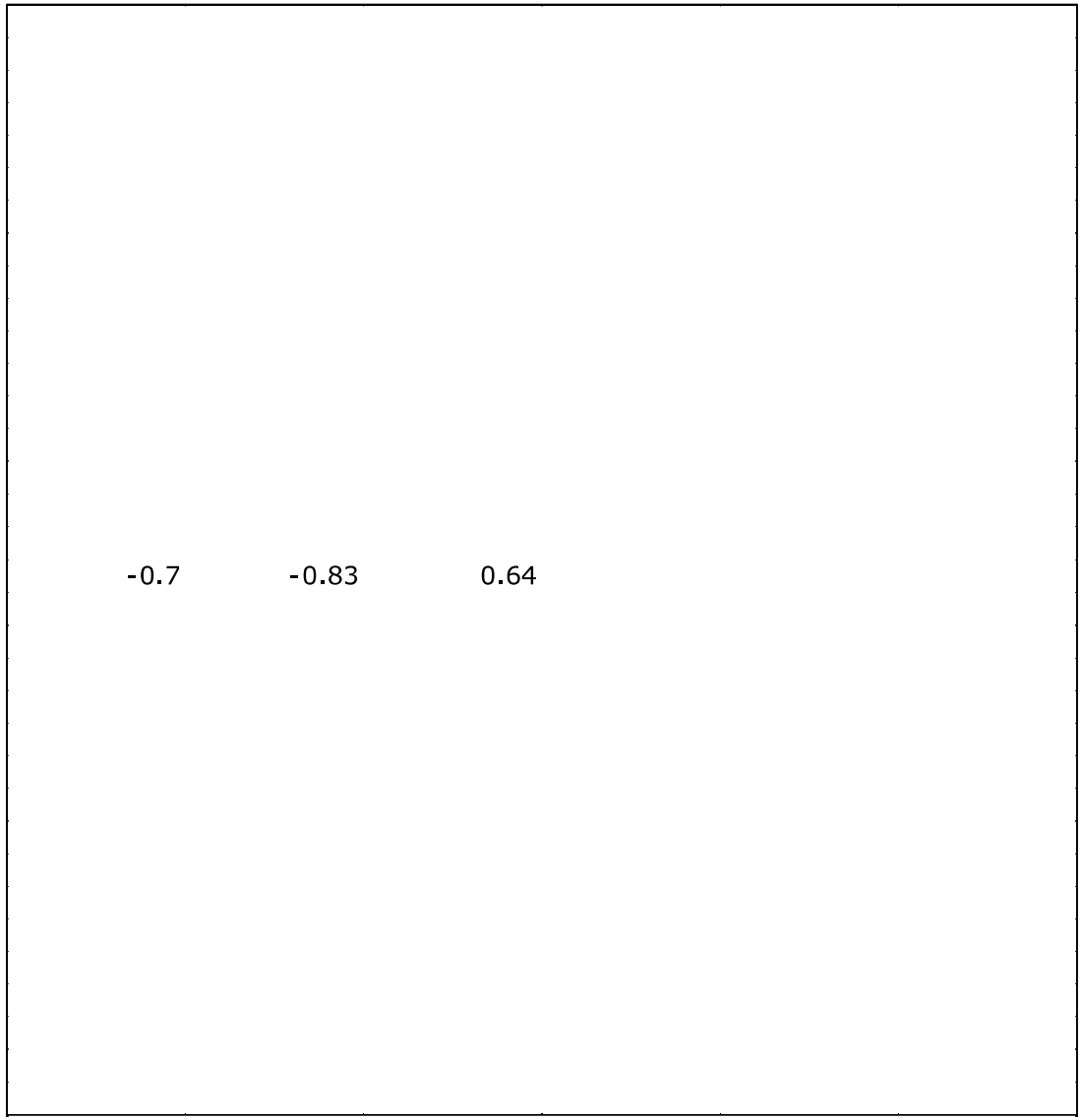
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M	2.14	0.76080583	34.3	445.9	0.616				
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P	3.92	1.36609165	20.3	60.9	0.989				
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R	4.15	1.42310833	27.3	109.2	1.694				
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V	7.21	1.97546895	23.3	46.6	1.706				
W	1.01	9.95E-03	74.3	891.6	-0.102				
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A	9.89	2.29152415	11.7	11.7	1.886	P. aerophilum	0.51	-0.38	-0.39
C	0.87	-0.1392621	24.7	741	1.139				
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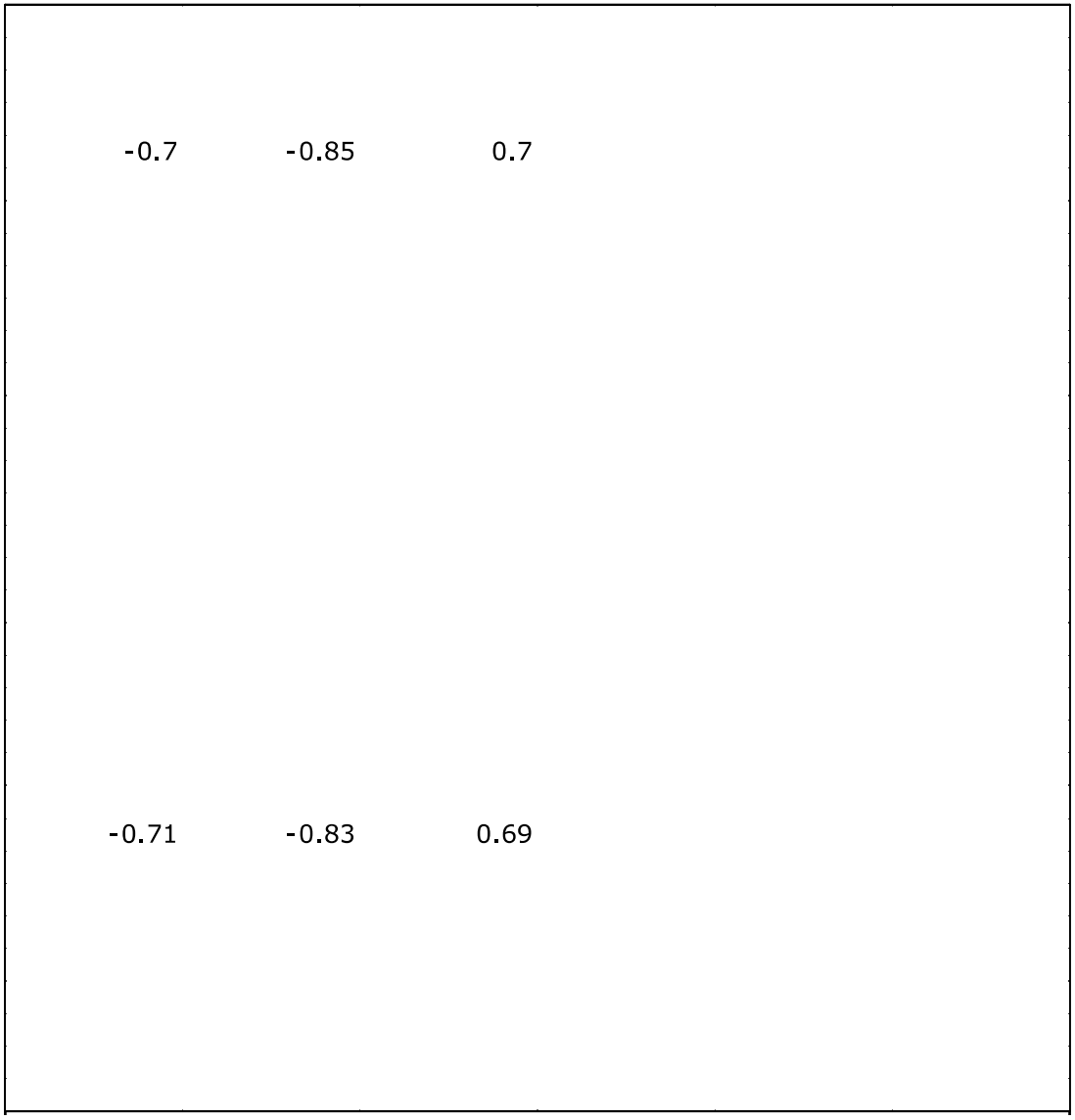
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V	9.31	2.23108909	23.3	46.6	1.832				
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A	6.88	1.92861865	11.7	11.7	1.516	M. acetivoran	0.43	-0.49	-0.55
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G	7.23	1.97823904	11.7	11.7	1.516				
H	1.66	0.5068176	38.3	536.2	1.118				
I	7.35	1.99470031	32.3	64.6	1.866				
K	6.54	1.87793717	30.3	242.4	1.413				
L	9.39	2.23964529	27.3	54.6	2.325				
M	2.45	0.89608803	34.3	445.9	0.561				
N	4.48	1.49962305	14.7	147	1.413				
P	3.99	1.38379123	20.3	60.9	1.516				
Q	2.54	0.93216408	16.3	130.4	1.118				
R	4.48	1.49962305	27.3	109.2	2.03				
S	6.9	1.93152141	11.7	70.2	2.216				
T	5.43	1.69193913	18.7	112.2	1.811				
V	6.82	1.91985947	23.3	46.6	1.811				
W	1.05	4.88E-02	74.3	891.6	0.266				
Y	3.72	1.31372367	50	350	1.413				
A	8.34	2.12106322	11.7	11.7	2.236	M. kandleri	0.61	-0.44	-0.48

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C	1.31	0.27002714	24.7	741	1.088				
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E	9.99	2.30158459	15.3	76.5	1.088				
F	2.87	1.05431203	52	208	0.634				
G	8.05	2.08567209	11.7	11.7	2.236				
H	1.93	0.65752	38.3	536.2	1.088				
I	4.82	1.57277393	32.3	64.6	0.962				
K	4.02	1.3912819	30.3	242.4	0.634				
L	10	2.30258509	27.3	54.6	2.057				
M	1.9	0.64185389	34.3	445.9	0.143				
N	1.91	0.64710324	14.7	147	0.634				
P	5.46	1.69744879	20.3	60.9	2.236				
Q	1.4	0.33647224	16.3	130.4	1.088				
R	8.34	2.12106322	27.3	109.2	2.511				
S	4.62	1.53039471	11.7	70.2	2.187				
T	4.59	1.52388002	18.7	112.2	1.781				
V	10.4	2.34180581	23.3	46.6	1.781				
W	1.23	0.20701417	74.3	891.6	0.597				
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G	7.22	1.97685495	11.7	11.7	1.459				
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I	7.65	2.03470565	32.3	64.6	1.915				
K	6.81	1.91839212	30.3	242.4	1.454				
L	9.37	2.2375131	27.3	54.6	2.337				
M	2.49	0.91228271	34.3	445.9	0.574				
N	4.35	1.47017585	14.7	147	1.454				
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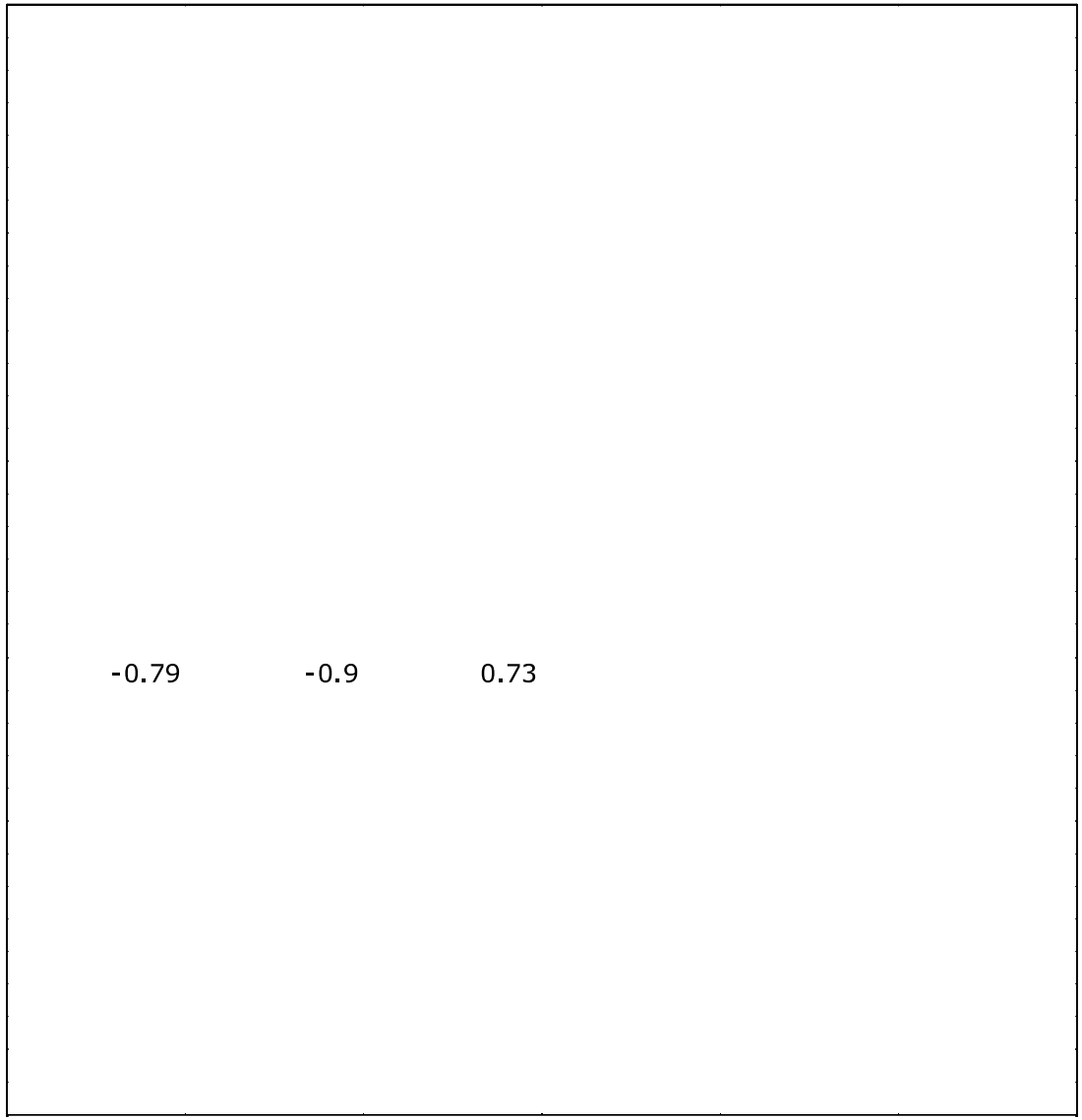
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V	6.86	1.92570744	23.3	46.6	1.803				
W	0.93	-7.26E-02	74.3	891.6	0.23				
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A	6.69	1.90061387	11.7	11.7	1.424	M. burtonii	0.41	-0.5	-0.58
C	1.22	0.19885086	24.7	741	1.105				
D	6.29	1.83896107	12.7	114.3	1.105				
E	7.3	1.98787435	15.3	76.5	1.105				
F	4.06	1.40118297	52	208	1.479				
G	6.96	1.94017947	11.7	11.7	1.424				
H	1.95	0.66782937	38.3	536.2	1.105				
I	8.46	2.13534917	32.3	64.6	1.944				
K	6.45	1.86408013	30.3	242.4	1.479				
L	8.98	2.19499988	27.3	54.6	2.344				
M	2.96	1.08518927	34.3	445.9	0.581				
N	4.6	1.5260563	14.7	147	1.479				
P	3.61	1.28370777	20.3	60.9	1.424				
Q	2.45	0.89608803	16.3	130.4	1.105				
R	4.19	1.43270073	27.3	109.2	1.97				
S	6.8	1.91692261	11.7	70.2	2.203				
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Y	3.39	1.22082992	50	350	1.479				
A	5.2	1.64865863	11.7	11.7	0.912	N. equitans	0.32	-0.21	-0.36
C	0.82	-0.1984509	24.7	741	0.993				
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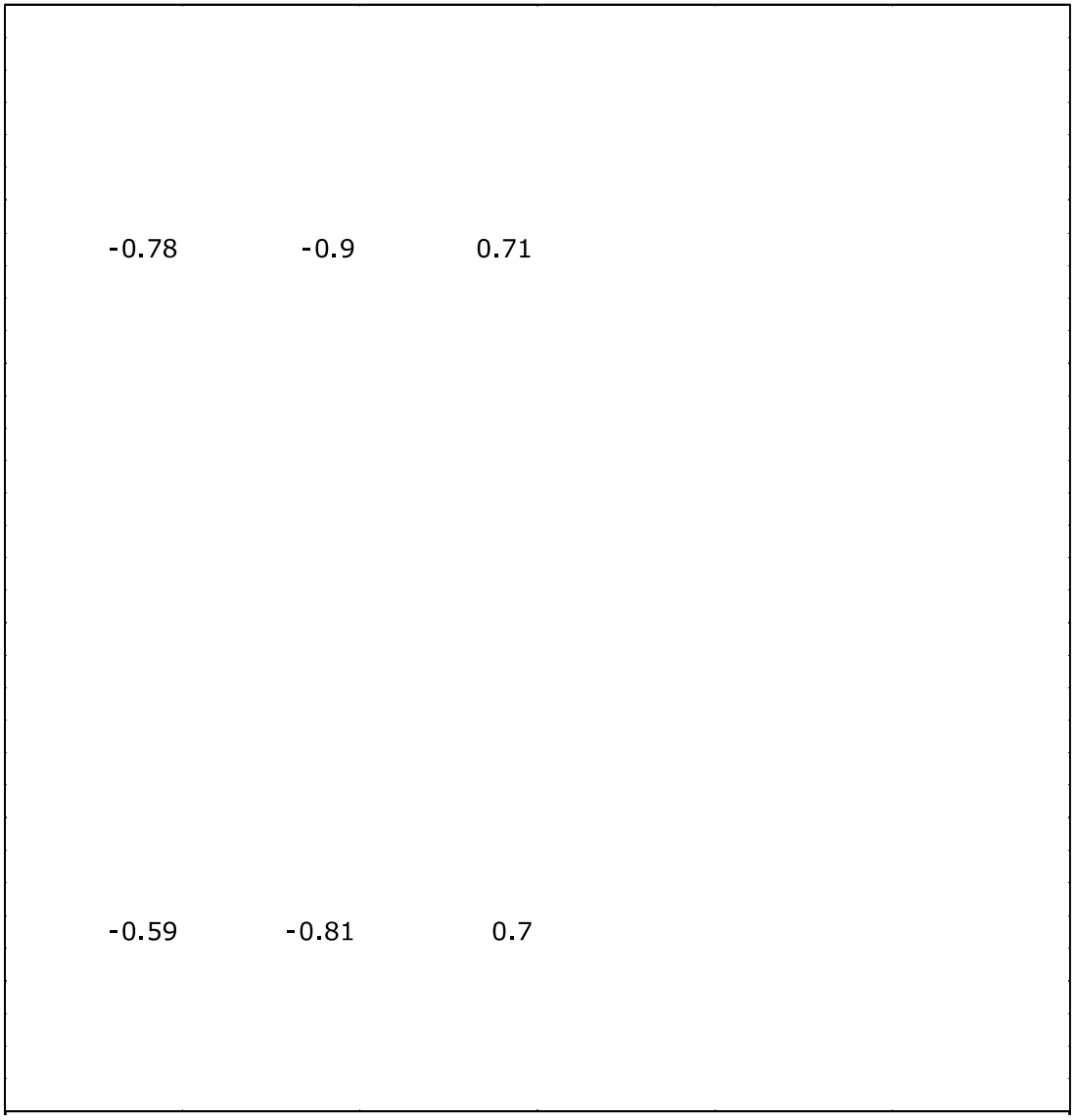
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L	10.4	2.34180581	27.3	54.6	2.421				
M	1.69	0.52472853	34.3	445.9	0.614				
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P	4.02	1.3912819	20.3	60.9	0.912				
Q	2.21	0.79299252	16.3	130.4	0.993				
R	3.91	1.36353737	27.3	109.2	1.647				
S	4.62	1.53039471	11.7	70.2	2.092				
T	4.1	1.41098697	18.7	112.2	1.686				
V	5.92	1.77833645	23.3	46.6	1.686				
W	0.96	-4.08E-02	74.3	891.6	-0.16				
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A	5.61	1.72455072	11.7	11.7	1.174	P. torridus	0.36	-0.31	-0.4
C	0.61	-0.4942963	24.7	741	1.057				
D	5.86	1.7681496	12.7	114.3	1.057				
E	5.66	1.73342389	15.3	76.5	1.057				
F	4.85	1.57897871	52	208	1.634				
G	6.51	1.87333946	11.7	11.7	1.174				
H	1.48	0.39204209	38.3	536.2	1.057				
I	11	2.39789527	32.3	64.6	2.129				
K	6.9	1.93152141	30.3	242.4	1.634				
L	8.62	2.15408509	27.3	54.6	2.387				
M	3.06	1.11841492	34.3	445.9	0.612				
N	6.61	1.88858365	14.7	147	1.634				
P	3.48	1.24703229	20.3	60.9	1.174				
Q	1.46	0.37843644	16.3	130.4	1.057				
R	4.42	1.4861397	27.3	109.2	1.811				
S	7.43	2.00552586	11.7	70.2	2.156				
T	4.37	1.47476301	18.7	112.2	1.751				
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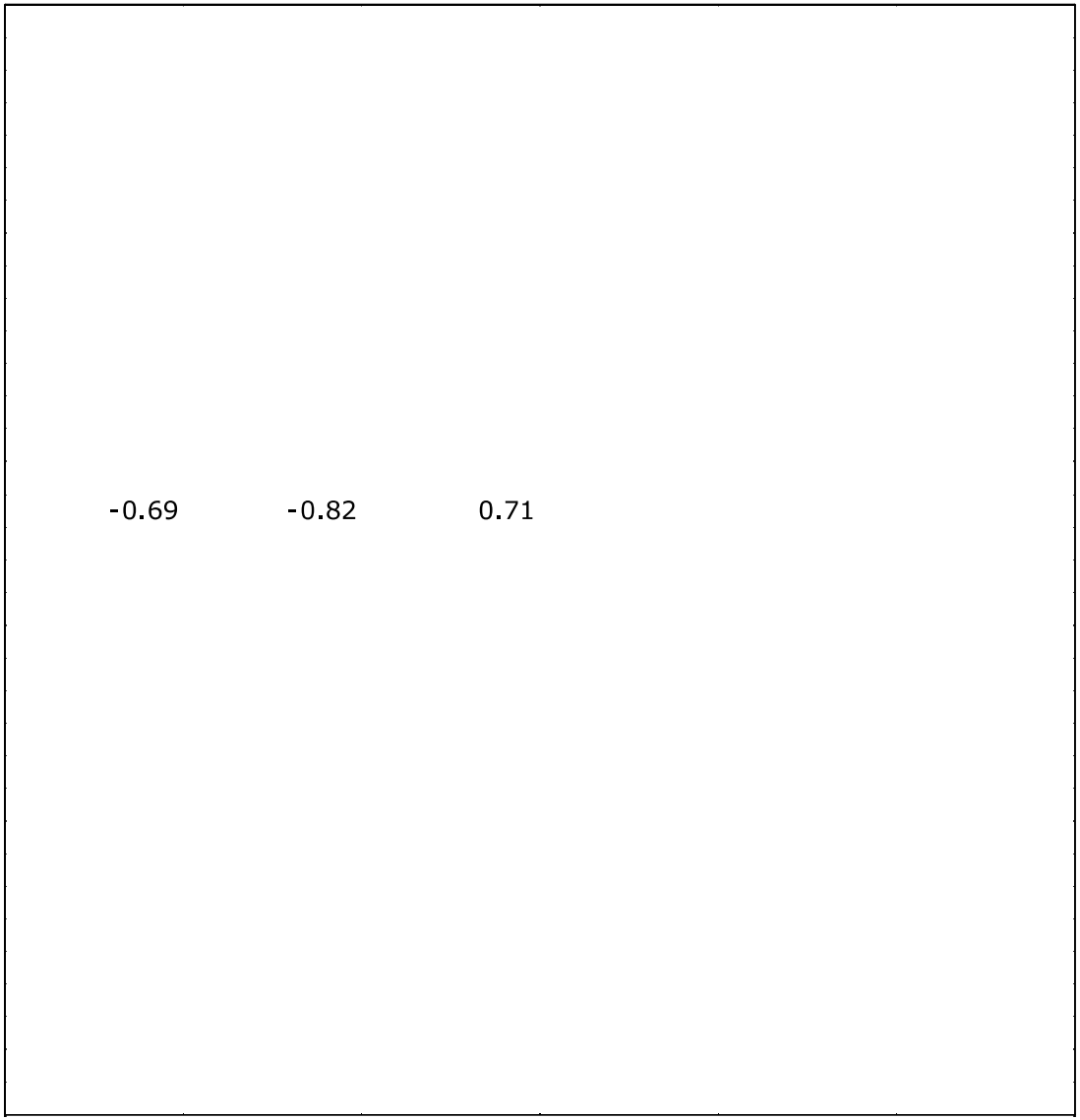
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C	0.73	-0.3147107	24.7	741	1.089				
D	8.46	2.13534917	12.7	114.3	1.089				
E	8.15	2.09801793	15.3	76.5	1.089				
F	3.22	1.16938136	52	208	0.636				
G	8.39	2.12704052	11.7	11.7	2.234				
H	1.97	0.67803354	38.3	536.2	1.089				
I	4.27	1.45161383	32.3	64.6	0.965				
K	1.92	0.65232519	30.3	242.4	0.636				
L	8.79	2.17361471	27.3	54.6	2.058				
M	1.89	0.63657683	34.3	445.9	0.144				
N	2.51	0.92028275	14.7	147	0.636				
P	4.57	1.51951321	20.3	60.9	2.234				
Q	3.03	1.10856262	16.3	130.4	1.089				
R	6.09	1.80664808	27.3	109.2	2.51				
S	5.8	1.75785792	11.7	70.2	2.187				
T	6.82	1.91985947	18.7	112.2	1.782				
V	8.83	2.17815502	23.3	46.6	1.782				
W	1.12	0.11332869	74.3	891.6	0.596				
Y	2.66	0.97832612	50	350	0.636				
A	7.42	2.00417906	11.7	11.7	1.911	T. kodakaraei	0.52	-0.37	-0.36
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E	8.82	2.17702187	15.3	76.5	1.138				
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G	7.58	2.0255132	11.7	11.7	1.911				
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K	6.86	1.92570744	30.3	242.4	1.058				
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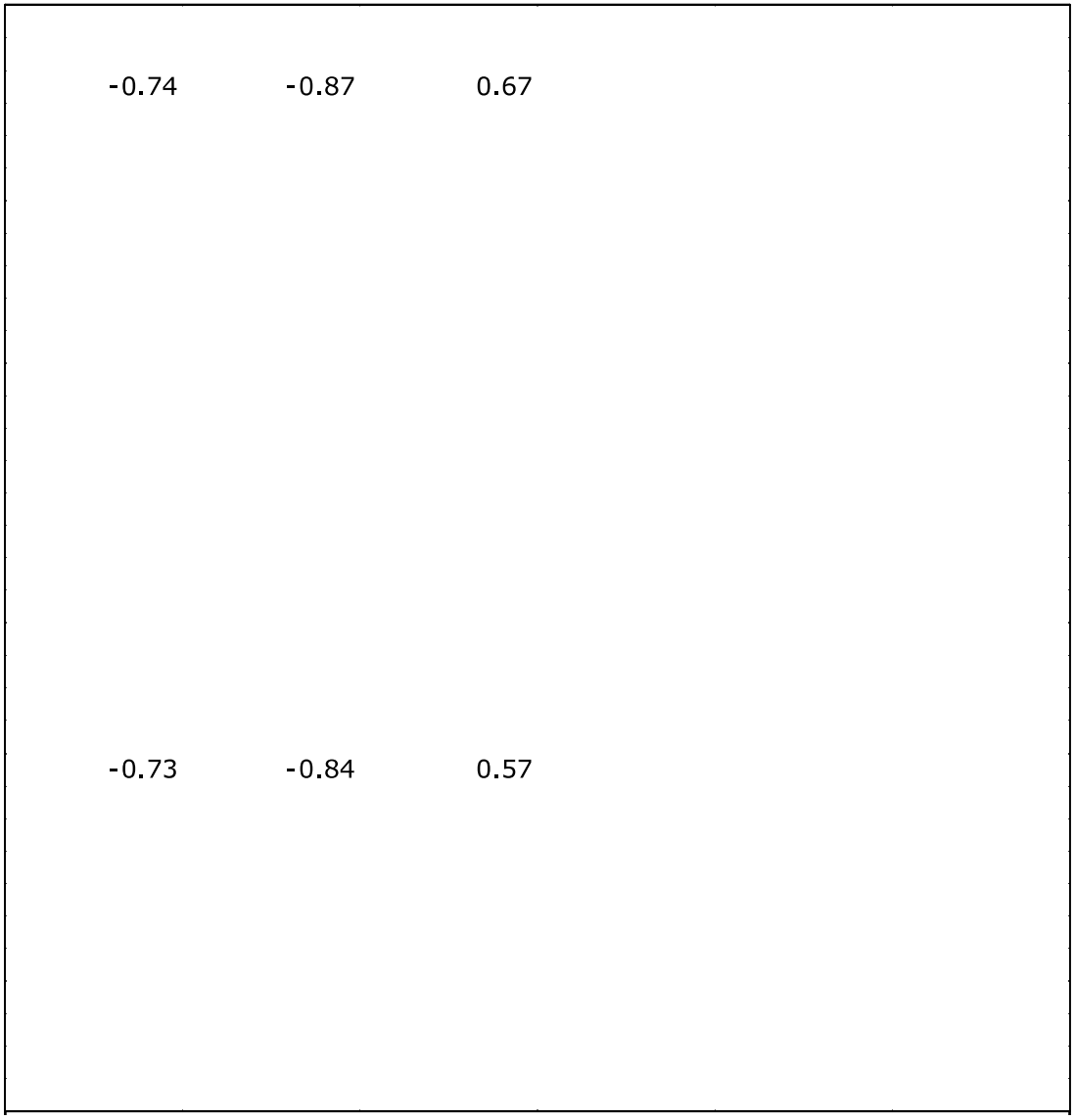
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R	5.83	1.763017	27.3	109.2	2.291				
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V	8.28	2.11384297	23.3	46.6	1.831				
W	1.29	0.25464222	74.3	891.6	0.484				
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G	6.64	1.89311196	11.7	11.7	1.292				
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I	7.08	1.95727391	32.3	64.6	2.046				
K	6.33	1.84530024	30.3	242.4	1.565				
L	10.5	2.35137526	27.3	54.6	2.368				
M	2.4	0.87546874	34.3	445.9	0.601				
N	4.89	1.5871923	14.7	147	1.565				
P	3.72	1.31372367	20.3	60.9	1.292				
Q	4.63	1.53255687	16.3	130.4	1.082				
R	4.5	1.5040774	27.3	109.2	1.885				
S	5.84	1.7647308	11.7	70.2	2.18				
T	5.2	1.64865863	18.7	112.2	1.775				
V	6.7	1.90210753	23.3	46.6	1.775				
W	1.12	0.11332869	74.3	891.6	0.118				
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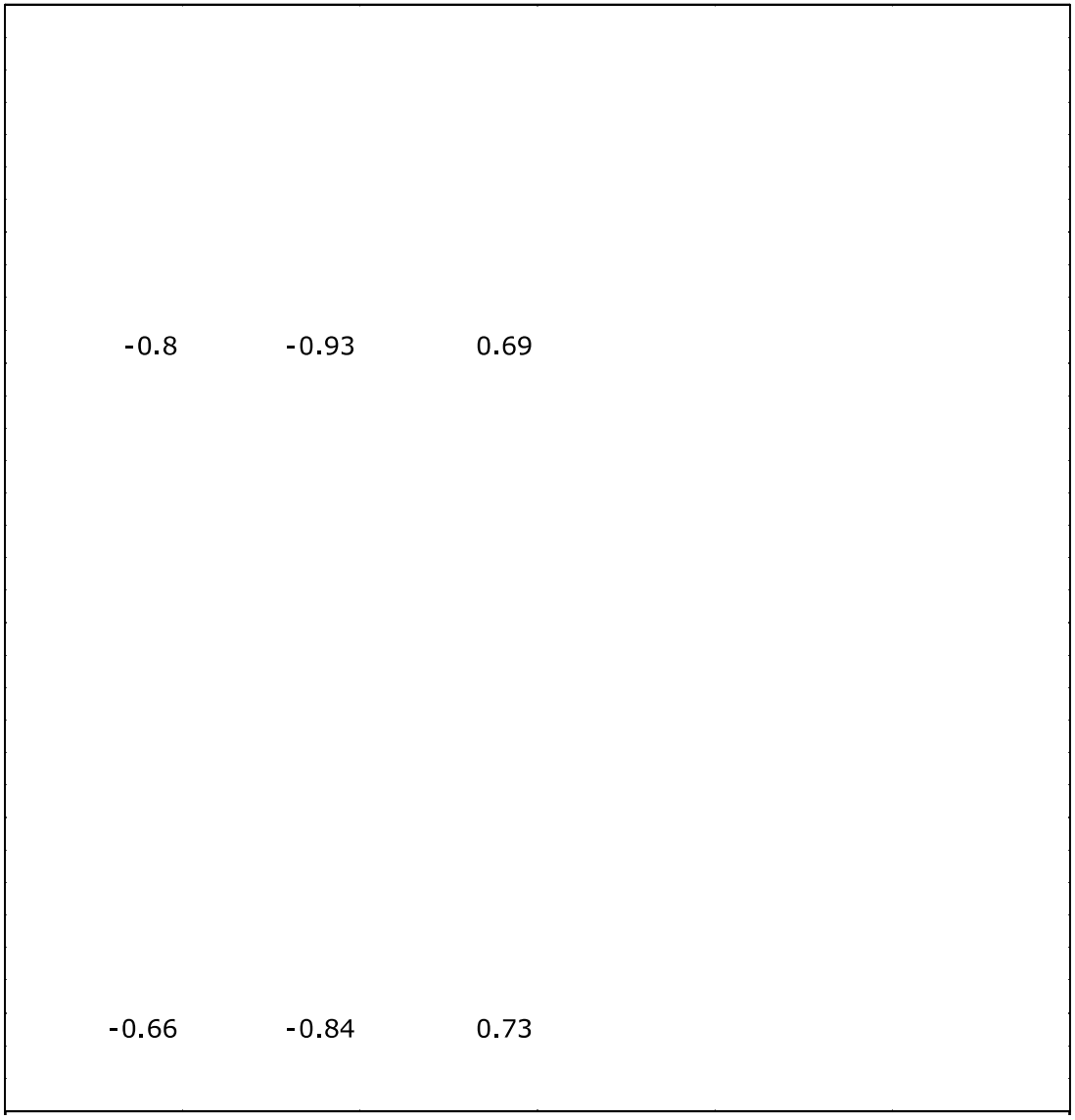
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G	4.62	1.53039471	11.7	11.7	0.921				
H	1.58	0.45742485	38.3	536.2	0.995				
I	8.24	2.10900034	32.3	64.6	2.284				
K	9.5	2.2512918	30.3	242.4	1.764				
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P	2.99	1.09527339	20.3	60.9	0.921				
Q	4.73	1.5539252	16.3	130.4	0.995				
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D	4.96	1.60140574	12.7	114.3	1.099				
E	5.67	1.73518912	15.3	76.5	1.099				
F	5.59	1.72097929	52	208	1.504				
G	5.52	1.70837786	11.7	11.7	1.387				
H	1.8	0.58778667	38.3	536.2	1.099				
I	6.6	1.88706965	32.3	64.6	1.974				
K	8.56	2.14710019	30.3	242.4	1.504				
L	10.3	2.3321439	27.3	54.6	2.351				
M	1.57	0.45107562	34.3	445.9	0.588				
N	6.22	1.82776991	14.7	147	1.504				
P	3.5	1.25276297	20.3	60.9	1.387				
Q	5.36	1.67896398	16.3	130.4	1.099				
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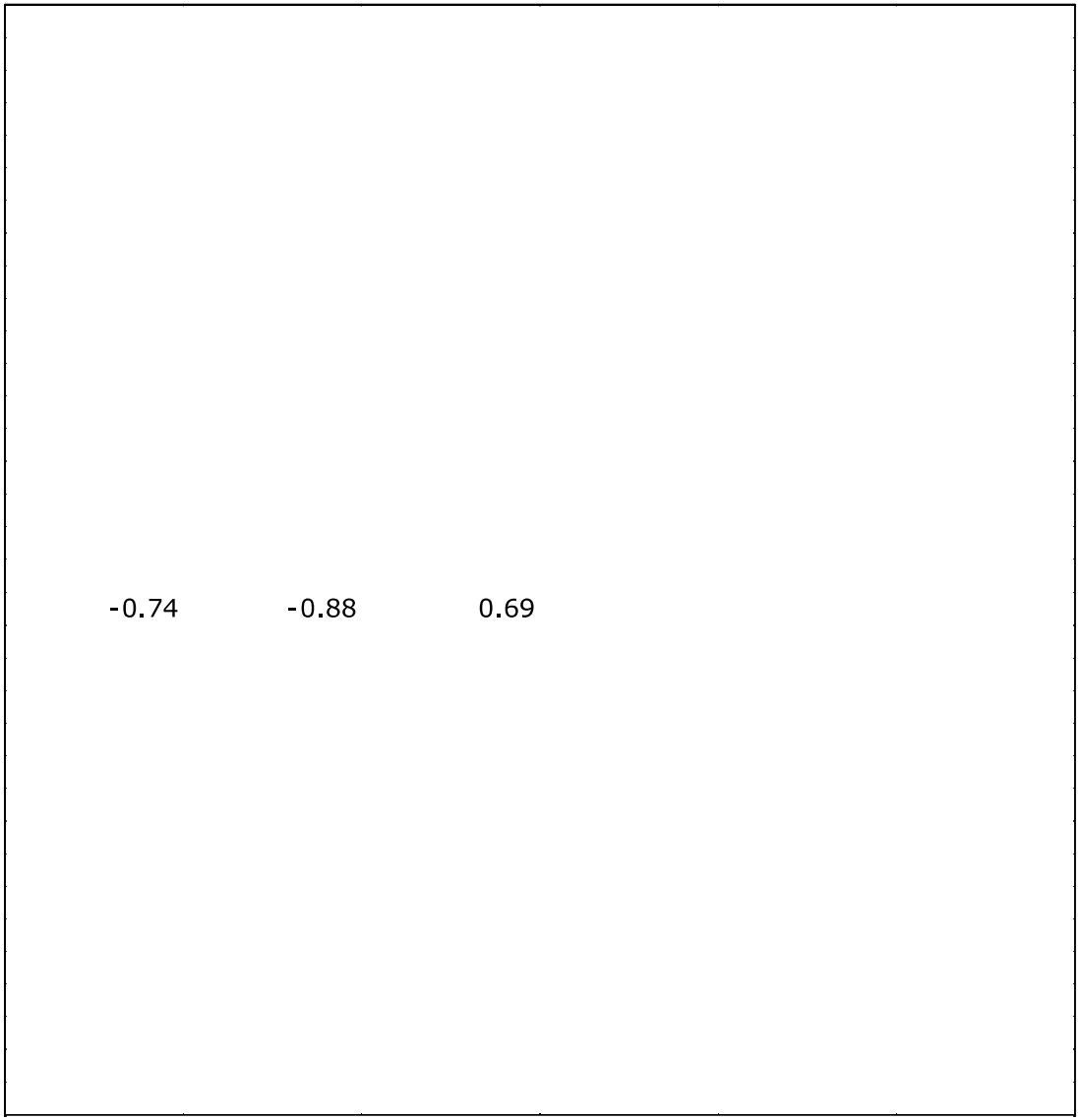
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T	5.96	1.78507048	18.7	112.2	1.792				
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W	1.19	0.17395331	74.3	891.6	0.183				
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A	8.48	2.13771045	11.7	11.7	1.725	Synechocysti	0.47	-0.51	-0.55
C	1	0	24.7	741	1.137				
D	5.02	1.61342993	12.7	114.3	1.137				
E	6.04	1.79840401	15.3	76.5	1.137				
F	4.01	1.38879124	52	208	1.242				
G	7.37	1.99741771	11.7	11.7	1.725				
H	1.86	0.62057649	38.3	536.2	1.137				
I	6.28	1.83736998	32.3	64.6	1.665				
K	4.18	1.43031125	30.3	242.4	1.242				
L	11.4	2.43361336	27.3	54.6	2.272				
M	2.01	0.69813472	34.3	445.9	0.495				
N	4.04	1.39624469	14.7	147	1.242				
P	5.14	1.63705308	20.3	60.9	1.725				
Q	5.55	1.71379793	16.3	130.4	1.137				
R	5.05	1.61938824	27.3	109.2	2.166				
S	5.81	1.75958057	11.7	70.2	2.235				
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V	6.69	1.90061387	23.3	46.6	1.83				
W	1.55	0.43825493	74.3	891.6	0.389				
Y	2.91	1.06815308	50	350	1.242				
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C	1.17	0.15700375	24.7	741	1.139				
D	5.13	1.63510566	12.7	114.3	1.139				
E	5.74	1.74745921	15.3	76.5	1.139				
F	3.89	1.35840916	52	208	1.119				
G	7.36	1.99605993	11.7	11.7	1.853				
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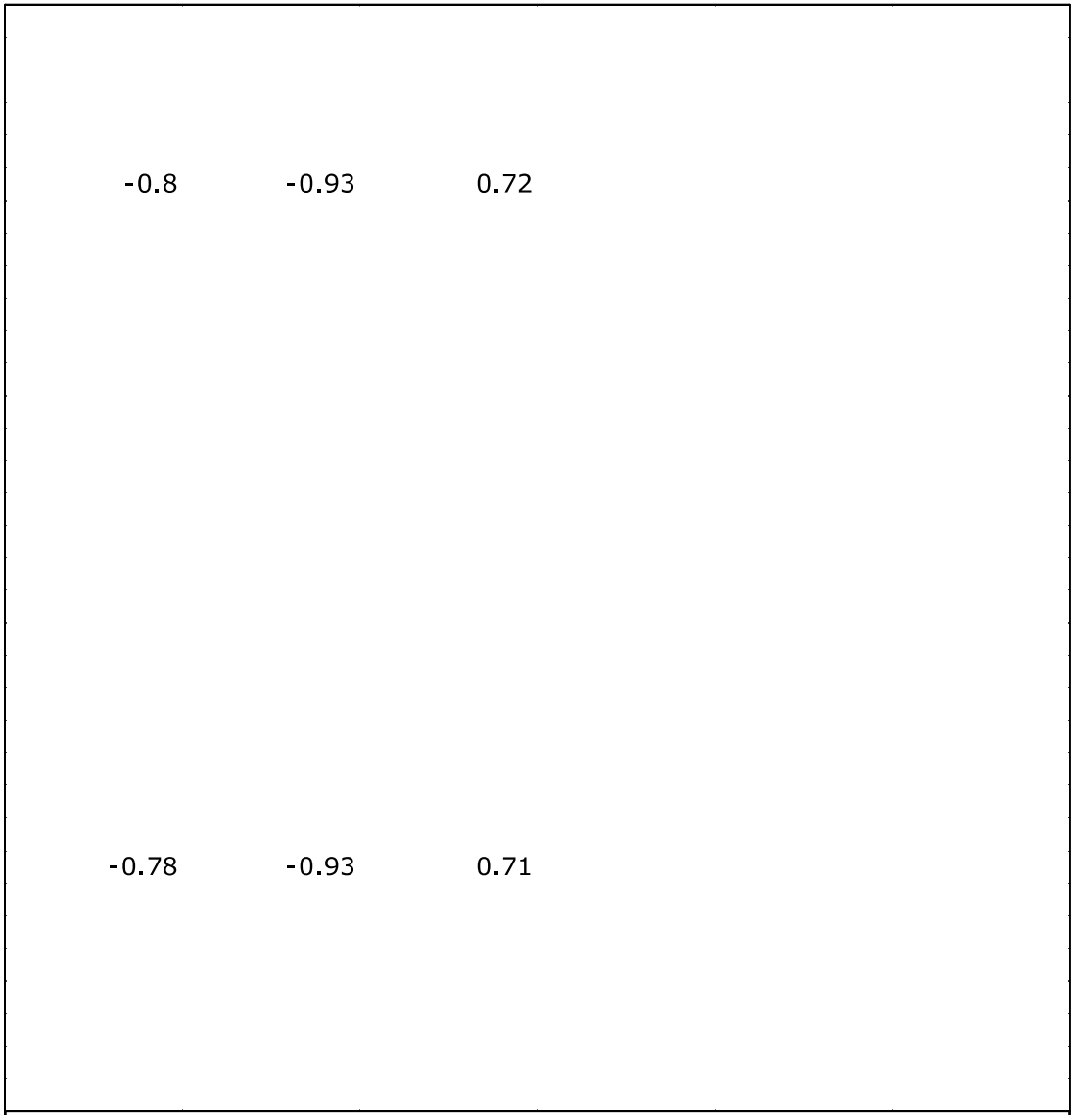
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N	3.95	1.37371558	14.7	147	1.119				
P	4.42	1.4861397	20.3	60.9	1.853				
Q	4.43	1.48839958	16.3	130.4	1.139				
R	5.53	1.71018782	27.3	109.2	2.252				
S	5.82	1.76130026	11.7	70.2	2.238				
T	5.4	1.68639895	18.7	112.2	1.832				
V	7.05	1.95302762	23.3	46.6	1.832				
W	1.52	0.41871034	74.3	891.6	0.457				
Y	2.84	1.04380405	50	350	1.119				
A	6.83	1.92132467	11.7	11.7	1.329	H. pylori	0.39	-0.38	-0.54
C	1.09	8.62E-02	24.7	741	1.089				
D	4.77	1.56234631	12.7	114.3	1.089				
E	6.86	1.92570744	15.3	76.5	1.089				
F	5.41	1.68824909	52	208	1.541				
G	5.76	1.75093748	11.7	11.7	1.329				
H	2.12	0.75141609	38.3	536.2	1.089				
I	7.19	1.97269117	32.3	64.6	2.018				
K	8.94	2.19053559	30.3	242.4	1.541				
L	11.2	2.41591378	27.3	54.6	2.362				
M	2.22	0.7975072	34.3	445.9	0.596				
N	5.85	1.76644166	14.7	147	1.541				
P	3.28	1.18784342	20.3	60.9	1.329				
Q	3.72	1.31372367	16.3	130.4	1.089				
R	3.45	1.23837423	27.3	109.2	1.909				
S	6.82	1.91985947	11.7	70.2	2.187				
T	4.39	1.47932923	18.7	112.2	1.782				
V	5.61	1.72455072	23.3	46.6	1.782				
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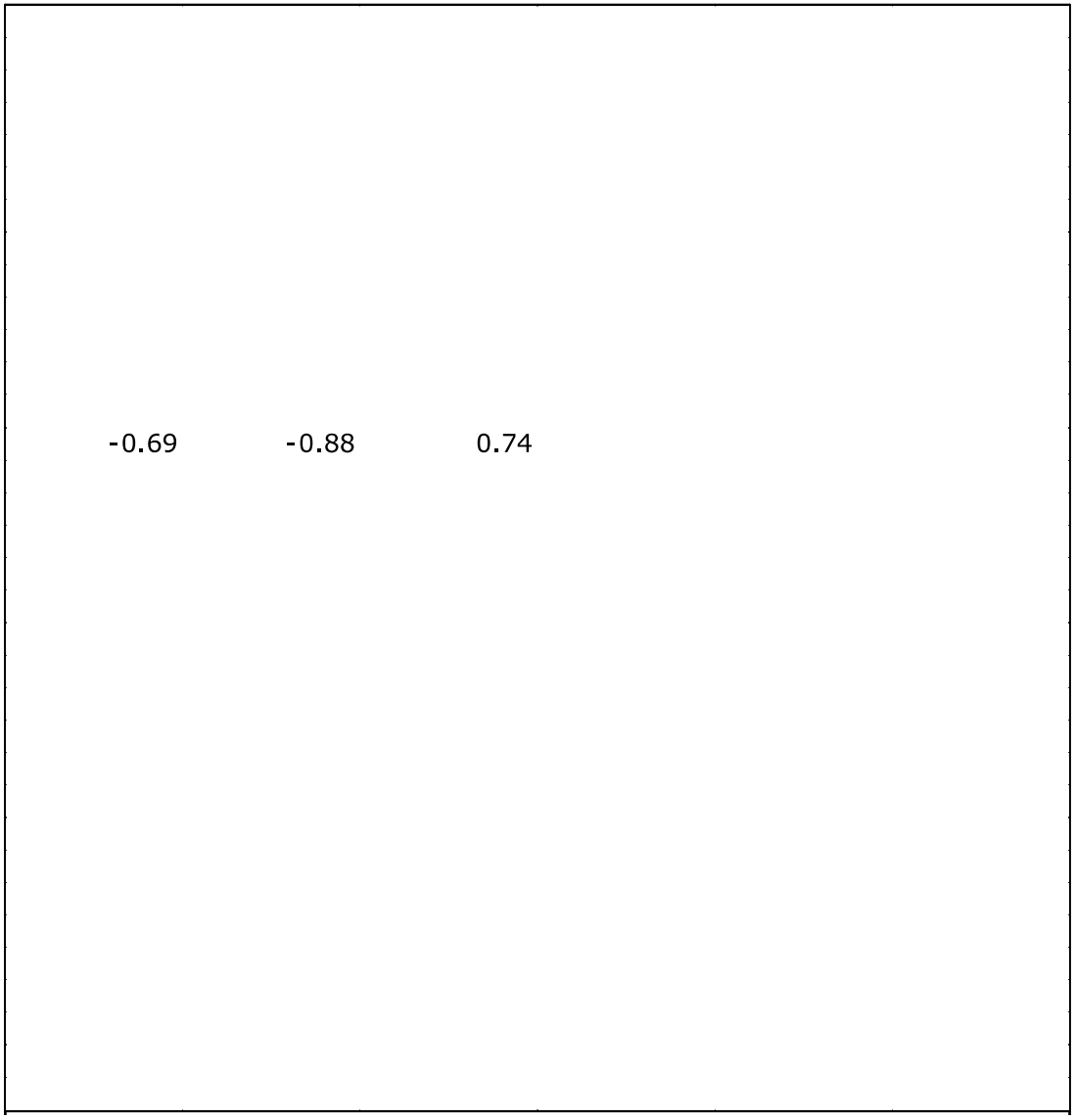
Y	3.69	1.30562646	50	350	1.541				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D	5.17	1.64287269	12.7	114.3	1.122				
E	7.23	1.97823904	15.3	76.5	1.122				
F	4.49	1.5018527	52	208	1.384				
G	6.9	1.93152141	11.7	11.7	1.555				
H	2.27	0.81977983	38.3	536.2	1.122				
I	7.36	1.99605993	32.3	64.6	1.831				
K	7.05	1.95302762	30.3	242.4	1.384				
L	9.64	2.26592111	27.3	54.6	2.316				
M	2.78	1.02245093	34.3	445.9	0.551				
N	3.94	1.37118072	14.7	147	1.384				
P	3.68	1.30291275	20.3	60.9	1.555				
Q	3.83	1.3428648	16.3	130.4	1.122				
R	4.12	1.41585316	27.3	109.2	2.055				
S	6.29	1.83896107	11.7	70.2	2.221				
T	5.42	1.69009582	18.7	112.2	1.816				
V	6.74	1.90805993	23.3	46.6	1.816				
W	1.03	2.96E-02	74.3	891.6	0.29				
Y	3.48	1.24703229	50	350	1.384				
A	7.38	1.99877364	11.7	11.7	1.563	B. halodurans	0.44	-0.47	-0.5
C	0.73	-0.3147107	24.7	741	1.123				
D	5.07	1.62334082	12.7	114.3	1.123				
E	7.84	2.05923883	15.3	76.5	1.123				
F	4.45	1.4929041	52	208	1.377				
G	7.01	1.9473377	11.7	11.7	1.563				
H	2.41	0.87962675	38.3	536.2	1.123				
I	6.93	1.93585981	32.3	64.6	1.824				
K	5.86	1.7681496	30.3	242.4	1.377				
L	9.98	2.30058309	27.3	54.6	2.314				
M	2.76	1.01523068	34.3	445.9	0.549				
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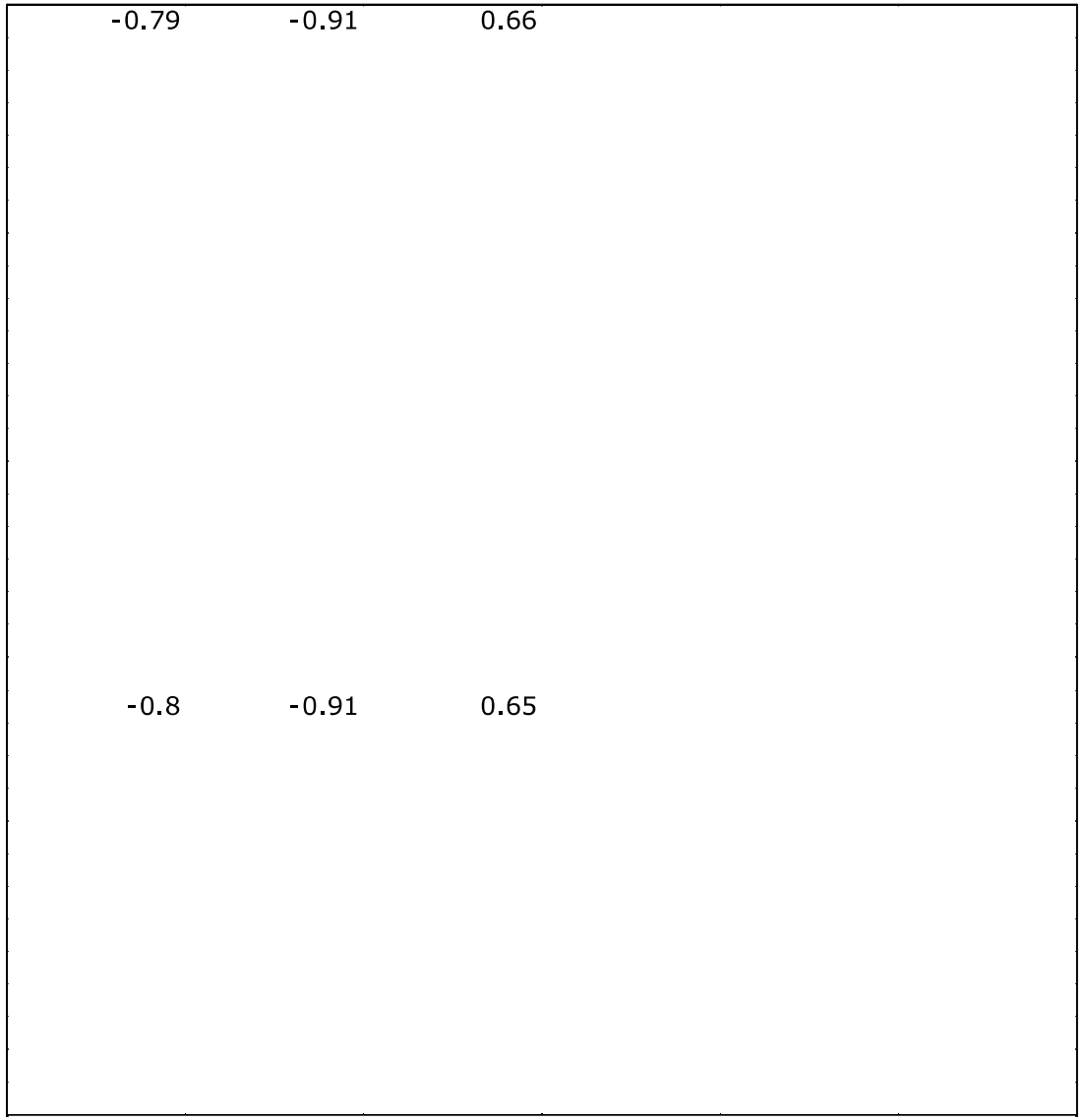
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S	5.61	1.72455072	11.7	70.2	2.222				
T	5.55	1.71379793	18.7	112.2	1.817				
V	7.44	2.00687085	23.3	46.6	1.817				
W	1.13	0.12221763	74.3	891.6	0.295				
Y	3.38	1.21787571	50	350	1.377				
A	4.49	1.5018527	11.7	11.7	0.685	B. burgdoferi	0.28	-0.24	-0.43
C	0.66	-0.4155154	24.7	741	0.928				
D	5.18	1.64480506	12.7	114.3	0.928				
E	6.77	1.91250109	15.3	76.5	0.928				
F	6.31	1.84213568	52	208	1.864				
G	5.2	1.64865863	11.7	11.7	0.685				
H	1.22	0.19885086	38.3	536.2	0.928				
I	10.7	2.37024374	32.3	64.6	2.405				
K	10.2	2.32238772	30.3	242.4	1.864				
L	10.3	2.3321439	27.3	54.6	2.443				
M	1.9	0.64185389	34.3	445.9	0.597				
N	7.27	1.98375629	14.7	147	1.864				
P	2.52	0.9242589	20.3	60.9	0.685				
Q	2.26	0.81536481	16.3	130.4	0.928				
R	3.22	1.16938136	27.3	109.2	1.507				
S	7.47	2.010895	11.7	70.2	2.027				
T	3.94	1.37118072	18.7	112.2	1.621				
V	5.35	1.67709656	23.3	46.6	1.621				
W	0.5	-0.6931472	74.3	891.6	-0.339				
Y	4.23	1.44220199	50	350	1.864				
A	5.89	1.773256	11.7	11.7	1.545	A. aeolicus	0.43	-0.29	-0.39
C	0.79	-0.2357223	24.7	741	1.121				
D	4.31	1.4609379	12.7	114.3	1.121				
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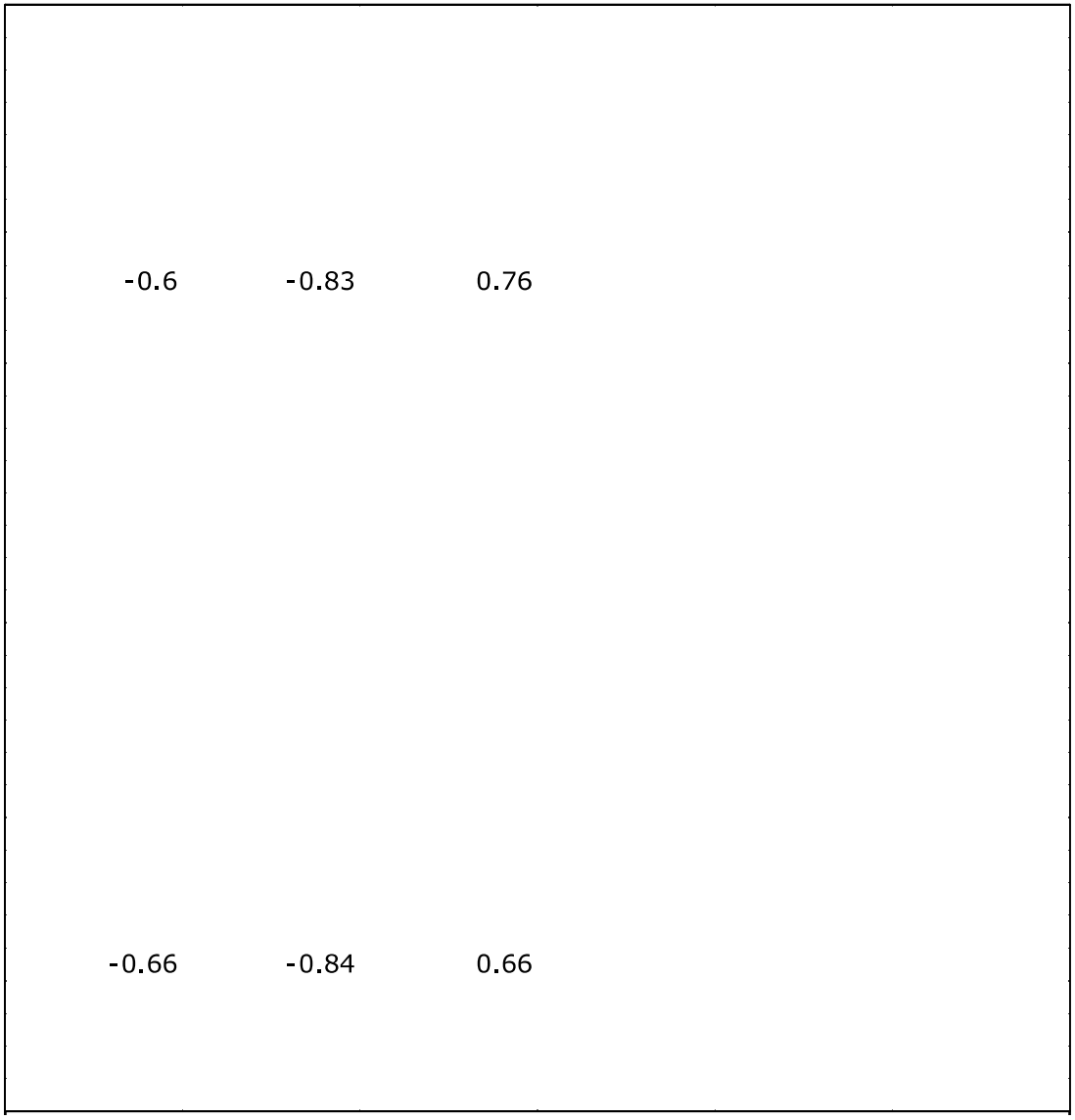
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I	7.33	1.99197552	32.3	64.6	1.84				
K	9.4	2.24070969	30.3	242.4	1.391				
L	10.5	2.35137526	27.3	54.6	2.318				
M	1.93	0.65752	34.3	445.9	0.554				
N	3.59	1.2781522	14.7	147	1.391				
P	4.07	1.403643	20.3	60.9	1.545				
Q	2.04	0.71294981	16.3	130.4	1.121				
R	4.92	1.59330853	27.3	109.2	2.048				
S	4.79	1.56653041	11.7	70.2	2.22				
T	4.21	1.43746265	18.7	112.2	1.814				
V	7.93	2.07065304	23.3	46.6	1.814				
W	0.93	-7.26E-02	74.3	891.6	0.284				
Y	4.13	1.41827741	50	350	1.391				
A	13.2	2.58021683	11.7	11.7	2.376	M. tuberculos	0.66	-0.51	-0.55
C	0.88	-0.1278334	24.7	741	1.037				
D	5.8	1.75785792	12.7	114.3	1.037				
E	4.68	1.54329811	15.3	76.5	1.037				
F	2.95	1.08180517	52	208	0.391				
G	9.98	2.30058309	11.7	11.7	2.376				
H	2.23	0.80200159	38.3	536.2	1.037				
I	4.26	1.44926916	32.3	64.6	0.686				
K	2.03	0.70803579	30.3	242.4	0.391				
L	9.75	2.27726729	27.3	54.6	1.963				
M	1.84	0.60976557	34.3	445.9	-3.10E-02				
N	2.53	0.9282193	14.7	147	0.391				
P	5.8	1.75785792	20.3	60.9	2.376				
Q	3.09	1.12817109	16.3	130.4	1.037				
R	7.32	1.99061033	27.3	109.2	2.609				
S	5.48	1.7011051	11.7	70.2	2.135				
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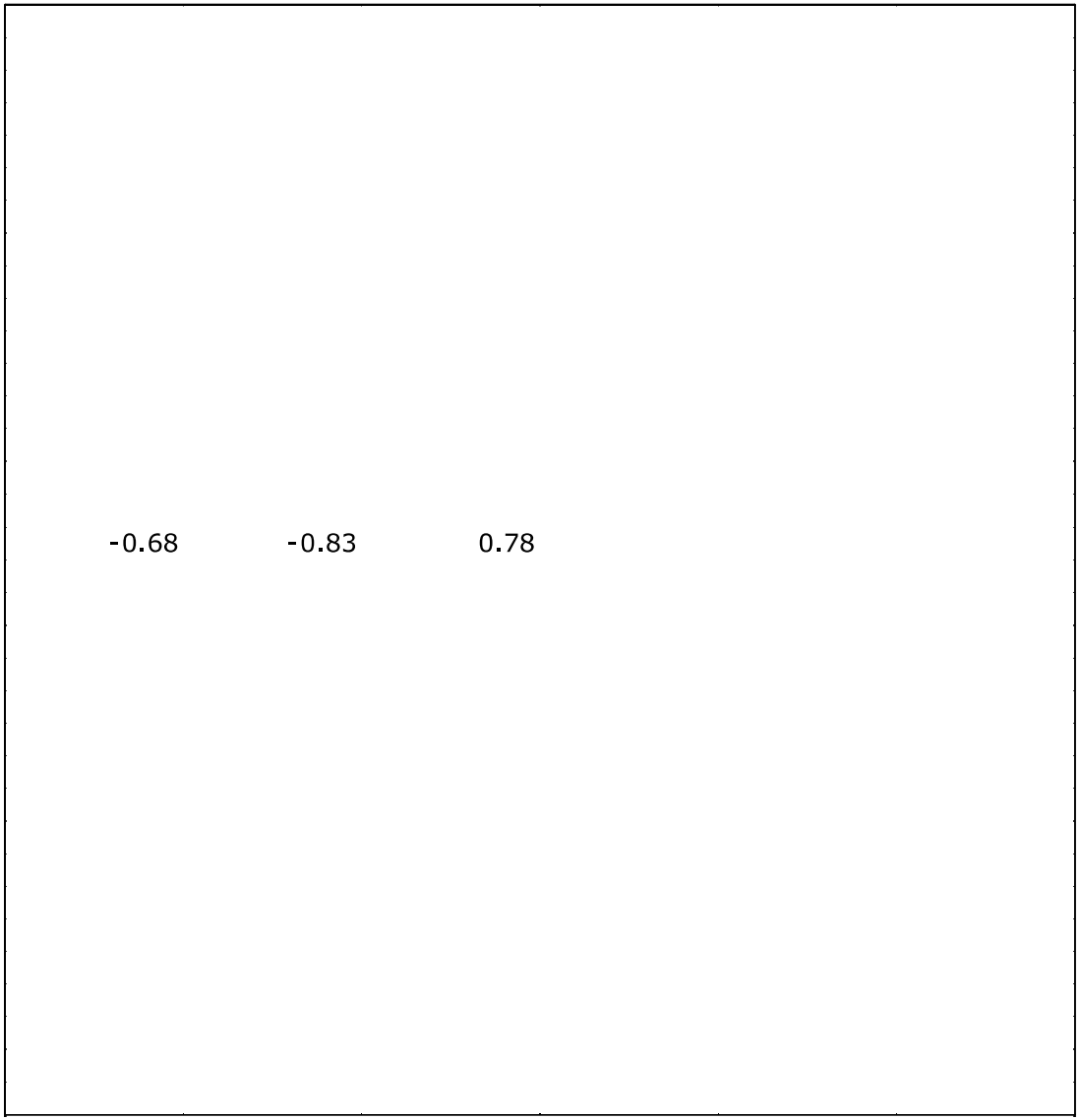
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Y	2.08	0.73236789	50	350	0.391				
A	13.2	2.58021683	11.7	11.7	2.376	M. tuberculos	0.66	-0.51	-0.56
C	0.93	-7.26E-02	24.7	741	1.037				
D	5.79	1.75613229	12.7	114.3	1.037				
E	4.66	1.53901545	15.3	76.5	1.037				
F	2.91	1.06815308	52	208	0.391				
G	9.77	2.27931647	11.7	11.7	2.376				
H	2.26	0.81536481	38.3	536.2	1.037				
I	4.21	1.43746265	32.3	64.6	0.686				
K	2.05	0.71783979	30.3	242.4	0.391				
L	9.7	2.27212589	27.3	54.6	1.963				
M	1.99	0.68813464	34.3	445.9	-3.10E-02				
N	2.47	0.90421815	14.7	147	0.391				
P	5.88	1.77155676	20.3	60.9	2.376				
Q	3.12	1.137833	16.3	130.4	1.037				
R	7.51	2.01623547	27.3	109.2	2.609				
S	5.56	1.71559811	11.7	70.2	2.135				
T	5.91	1.77664583	18.7	112.2	1.73				
V	8.46	2.13534917	23.3	46.6	1.73				
W	1.48	0.39204209	74.3	891.6	0.615				
Y	2.06	0.72270598	50	350	0.391				
A	11.7	2.45958884	11.7	11.7	2.123	M. leprae	0.58	-0.53	-0.58
C	0.94	-6.19E-02	24.7	741	1.115				
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E	5.08	1.62531126	15.3	76.5	1.115				
F	2.97	1.08856195	52	208	0.8				
G	8.42	2.13060983	11.7	11.7	2.123				
H	2.22	0.7975072	38.3	536.2	1.115				
I	4.83	1.57484647	32.3	64.6	1.152				
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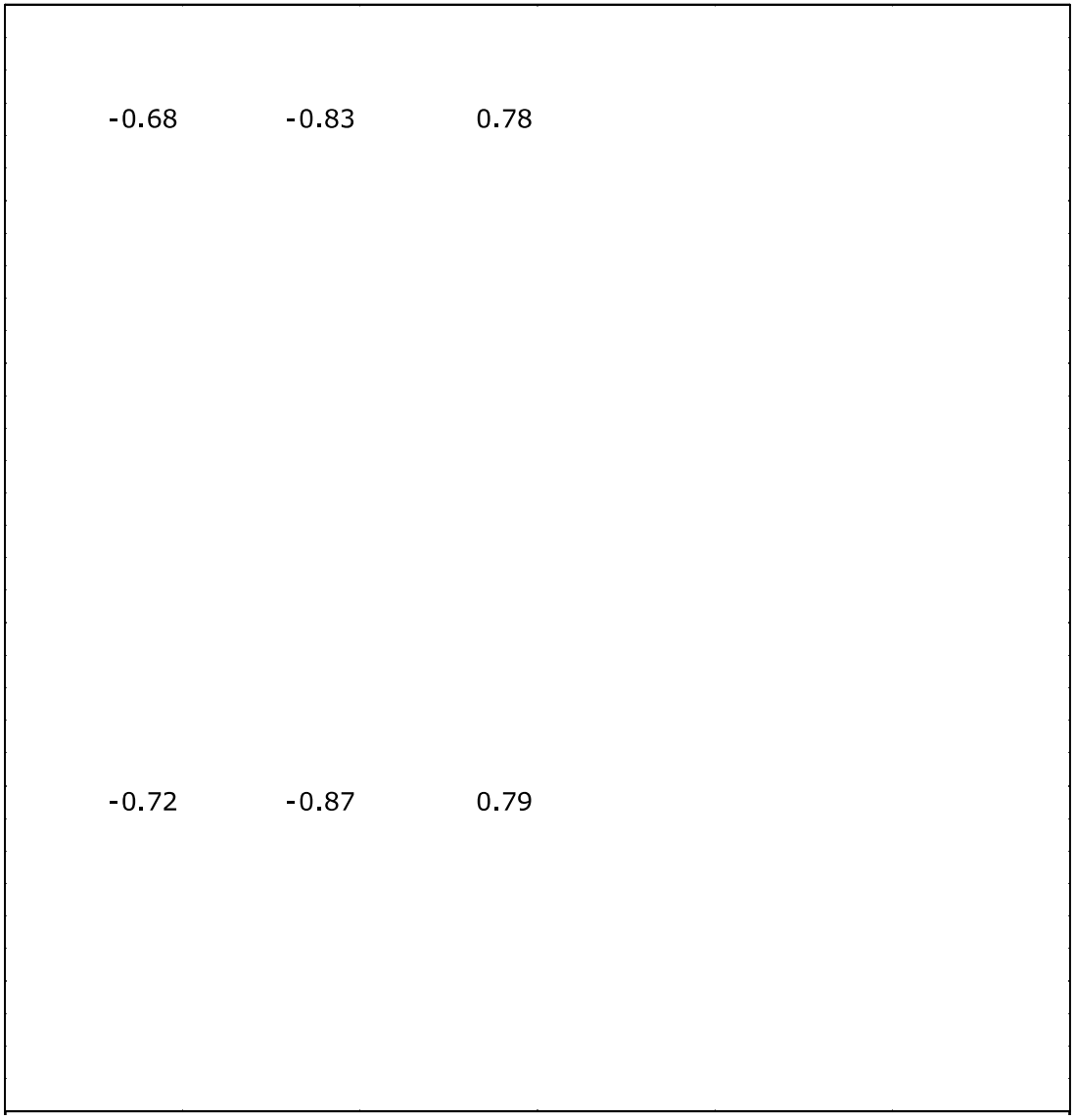
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N	2.65	0.97455964	14.7	147	0.8				
P	5.36	1.67896398	20.3	60.9	2.123				
Q	3.28	1.18784342	16.3	130.4	1.115				
R	6.94	1.93730178	27.3	109.2	2.434				
S	5.96	1.78507048	11.7	70.2	2.213				
T	6.09	1.80664808	18.7	112.2	1.808				
V	9.2	2.21920348	23.3	46.6	1.808				
W	1.38	0.3220835	74.3	891.6	0.567				
Y	2.24	0.80647587	50	350	0.8				
A	10.1	2.31253542	11.7	11.7	1.94	T. pallidum	0.53	-0.49	-0.61
C	1.91	0.64710324	24.7	741	1.136				
D	4.52	1.50851199	12.7	114.3	1.136				
E	5.97	1.78674693	15.3	76.5	1.136				
F	4.45	1.4929041	52	208	1.025				
G	6.96	1.94017947	11.7	11.7	1.94				
H	2.75	1.01160091	38.3	536.2	1.136				
I	4.9	1.58923521	32.3	64.6	1.412				
K	3.97	1.3787661	30.3	242.4	1.025				
L	10.1	2.31253542	27.3	54.6	2.199				
M	2.09	0.73716407	34.3	445.9	0.386				
N	2.48	0.90825856	14.7	147	1.025				
P	4.2	1.43508453	20.3	60.9	1.94				
Q	3.84	1.34547237	16.3	130.4	1.136				
R	7.43	2.00552586	27.3	109.2	2.31				
S	6.62	1.89009537	11.7	70.2	2.235				
T	5.3	1.66770682	18.7	112.2	1.83				
V	8.25	2.1102132	23.3	46.6	1.83				
W	0.97	-3.05E-02	74.3	891.6	0.497				
Y	3.03	1.10856262	50	350	1.025				
A	7.52	2.01756614	11.7	11.7	1.452	C. trachomati	0.41	-0.48	-0.61
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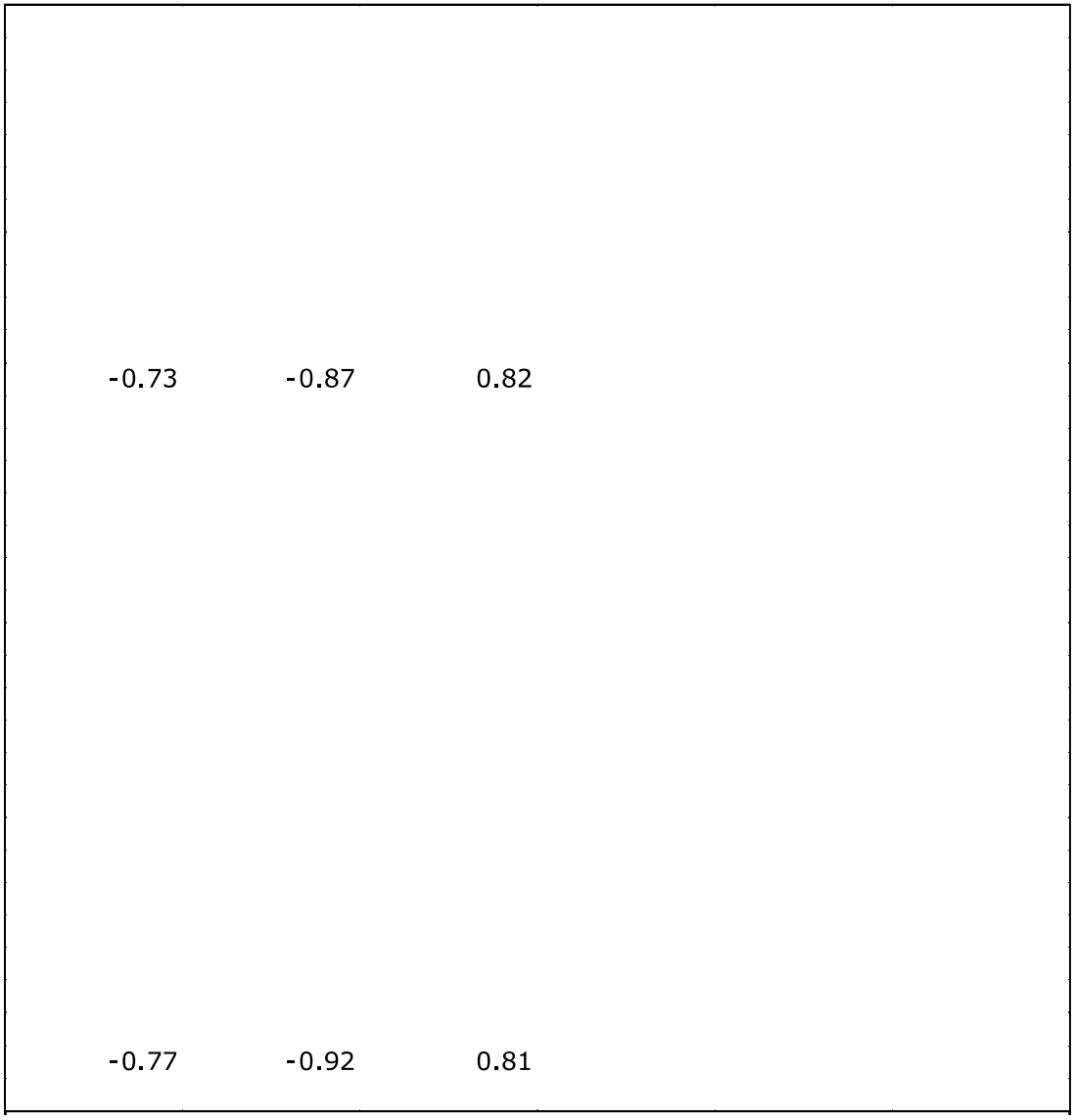
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F	4.83	1.57484647	52	208	1.459				
G	6.34	1.84687877	11.7	11.7	1.452				
H	2.3	0.83290912	38.3	536.2	1.109				
I	6.61	1.88858365	32.3	64.6	1.921				
K	5.76	1.75093748	30.3	242.4	1.459				
L	11.2	2.41591378	27.3	54.6	2.338				
M	2.05	0.71783979	34.3	445.9	0.576				
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P	4.37	1.47476301	20.3	60.9	1.452				
Q	4.18	1.43031125	16.3	130.4	1.109				
R	4.84	1.57691472	27.3	109.2	1.988				
S	8.11	2.09309787	11.7	70.2	2.208				
T	5.11	1.6311994	18.7	112.2	1.802				
V	6.42	1.85941812	23.3	46.6	1.802				
W	0.95	-5.13E-02	74.3	891.6	0.225				
Y	3.07	1.12167756	50	350	1.459				
A	6.04	1.79840401	11.7	11.7	0.743	R. prowazekii	0.29	-0.33	-0.51
C	1.09	8.62E-02	24.7	741	0.945				
D	4.83	1.57484647	12.7	114.3	0.945				
E	5.77	1.75267208	15.3	76.5	0.945				
F	4.88	1.58514522	52	208	1.841				
G	5.41	1.68824909	11.7	11.7	0.743				
H	1.91	0.64710324	38.3	536.2	0.945				
I	10.8	2.37954613	32.3	64.6	2.377				
K	8.38	2.12584791	30.3	242.4	1.841				
L	10.1	2.31253542	27.3	54.6	2.438				
M	2.14	0.76080583	34.3	445.9	0.603				
N	6.64	1.89311196	14.7	147	1.841				
P	3.14	1.1442228	20.3	60.9	0.743				
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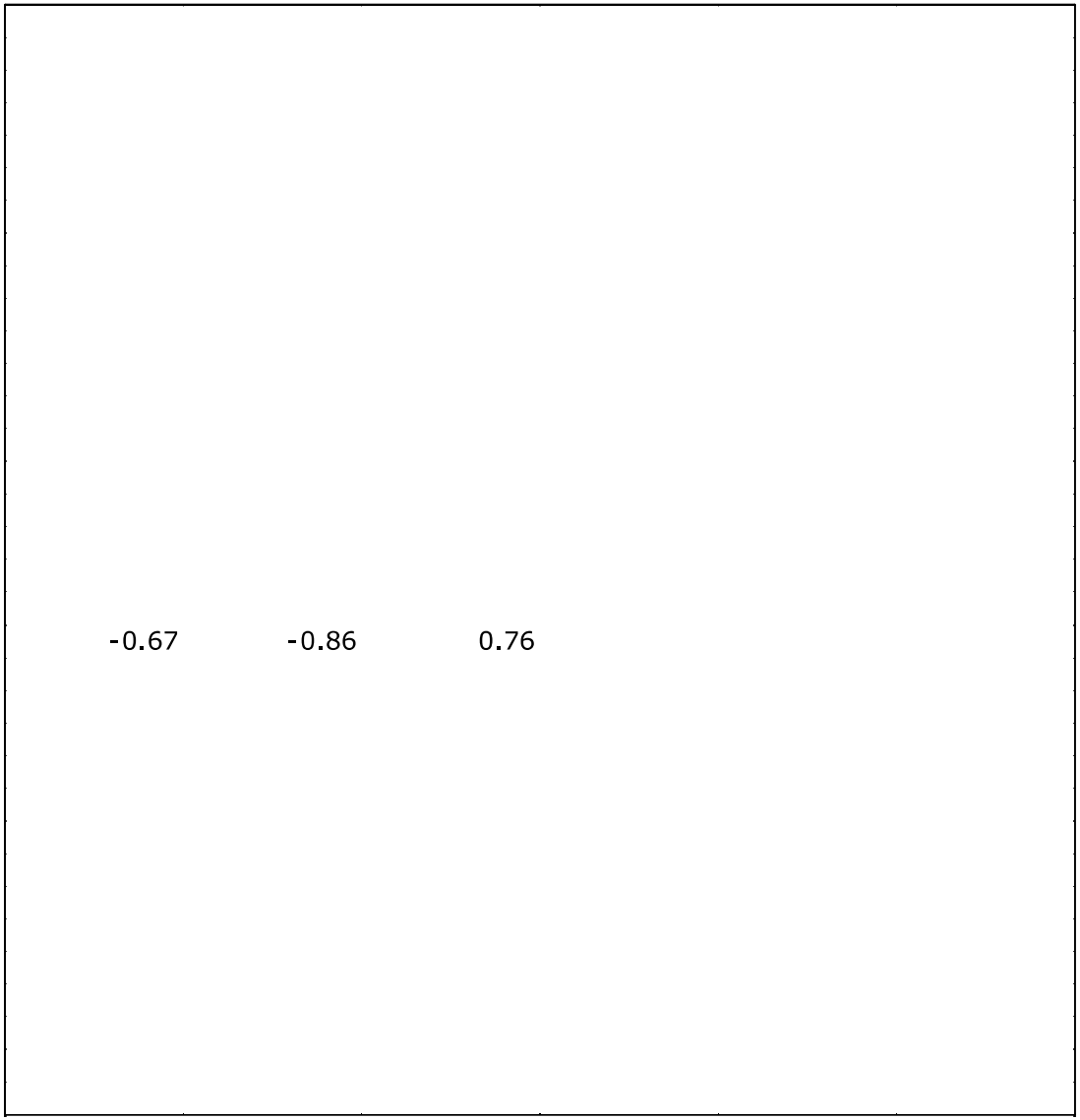
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V	5.6	1.7227666	23.3	46.6	1.639				
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E	6.98	1.94304892	15.3	76.5	0.975				
F	6.03	1.79674701	52	208	1.797				
G	5.6	1.7227666	11.7	11.7	0.847				
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I	8.68	2.16102153	32.3	64.6	2.324				
K	9.49	2.25023861	30.3	242.4	1.797				
L	10.8	2.37954613	27.3	54.6	2.428				
M	2.2	0.78845736	34.3	445.9	0.611				
N	6.3	1.84054963	14.7	147	1.797				
P	2.67	0.98207847	20.3	60.9	0.847				
Q	3.12	1.137833	16.3	130.4	0.975				
R	2.98	1.0919233	27.3	109.2	1.607				
S	6.45	1.86408013	11.7	70.2	2.074				
T	4.06	1.40118297	18.7	112.2	1.669				
V	5.28	1.6639261	23.3	46.6	1.669				
W	0.65	-0.4307829	74.3	891.6	-0.21				
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C	1.59	0.46373402	24.7	741	1.103				
D	4.51	1.50629715	12.7	114.3	1.103				
E	6.61	1.88858365	15.3	76.5	1.103				
F	4.74	1.55603714	52	208	1.485				
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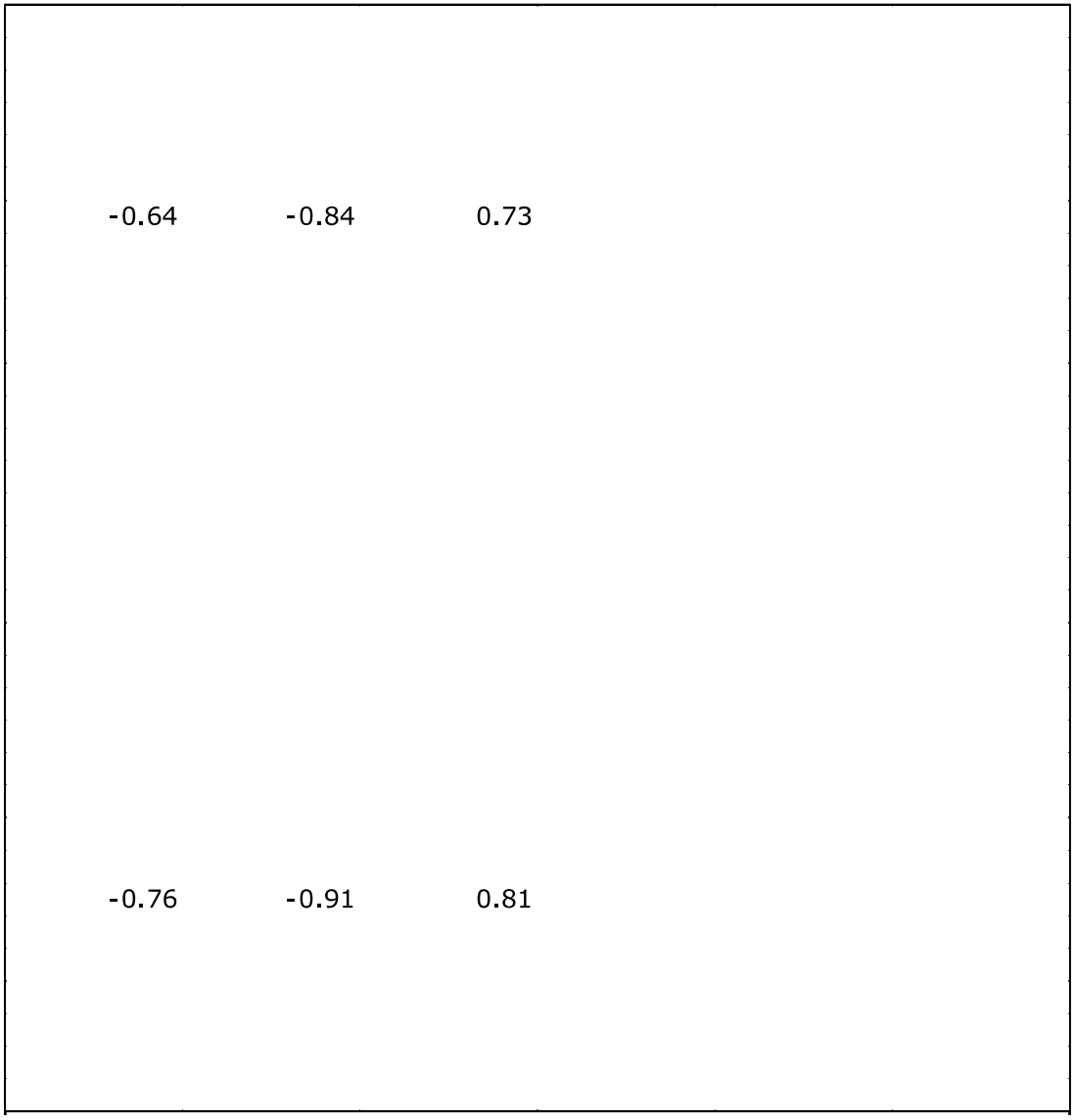
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Y	3.26	1.18172719	50	350	1.485				
A	5.85	1.76644166	11.7	11.7	1.677	T. maritima	0.46	-0.35	-0.4
C	0.7	-0.3566749	24.7	741	1.134				
D	4.96	1.60140574	12.7	114.3	1.134				
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K	7.61	2.02946317	30.3	242.4	1.284				
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Q	2.01	0.69813472	16.3	130.4	1.134				
R	5.53	1.71018782	27.3	109.2	2.135				
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T	4.52	1.50851199	18.7	112.2	1.827				
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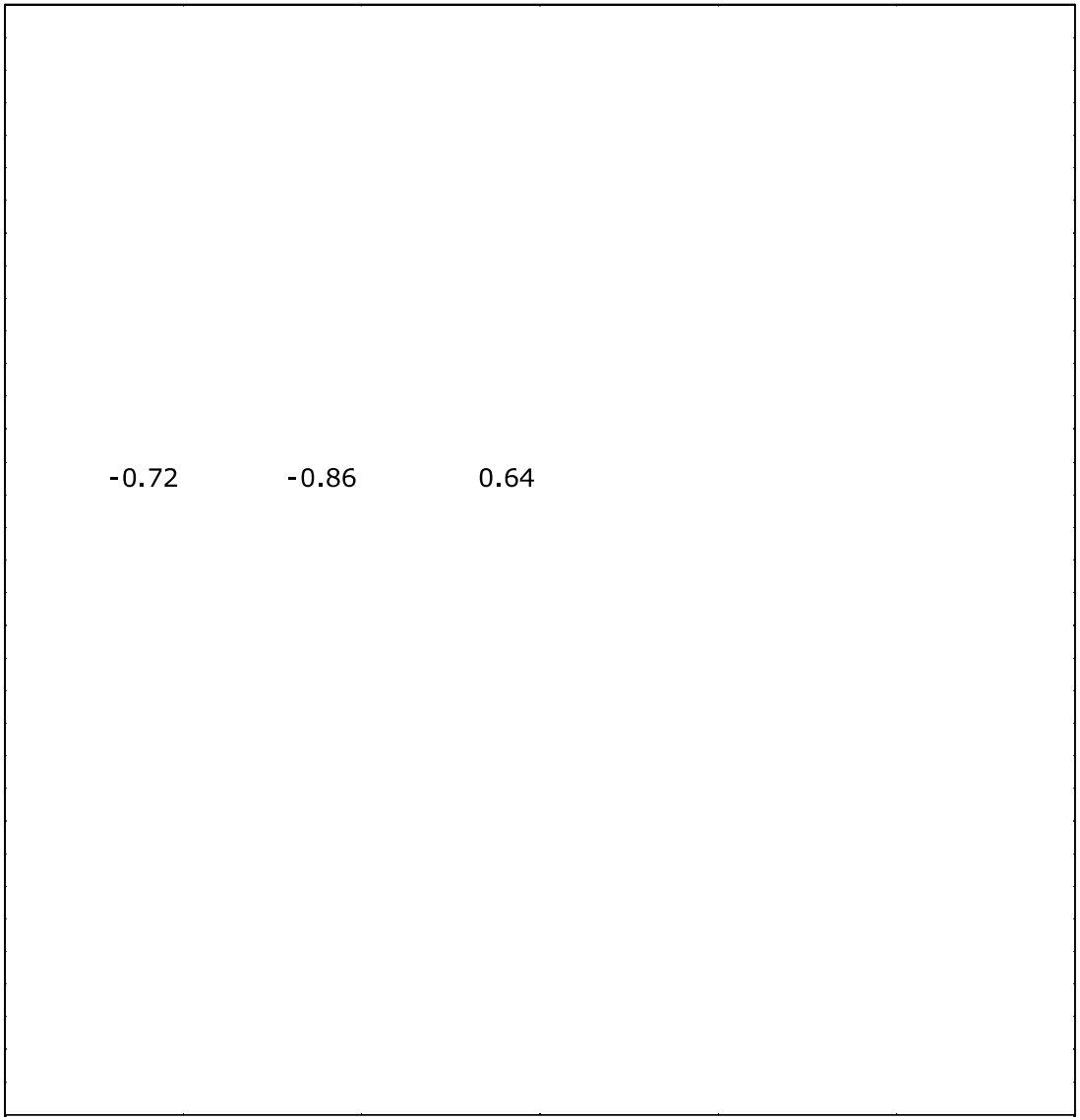
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E	5.72	1.74396881	15.3	76.5	1.022				
F	3.15	1.14740245	52	208	0.332				
G	9.19	2.21811594	11.7	11.7	2.406				
H	2.09	0.73716407	38.3	536.2	1.022				
I	3.27	1.18478999	32.3	64.6	0.62				
K	2.73	1.00430161	30.3	242.4	0.332				
L	11.6	2.4510051	27.3	54.6	1.939				
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N	2.41	0.87962675	14.7	147	0.332				
P	6.06	1.8017098	20.3	60.9	2.406				
Q	4.12	1.41585316	16.3	130.4	1.022				
R	7.38	1.99877364	27.3	109.2	2.63				
S	5.2	1.64865863	11.7	70.2	2.121				
T	5.81	1.75958057	18.7	112.2	1.716				
V	7.68	2.03861955	23.3	46.6	1.716				
W	1.38	0.3220835	74.3	891.6	0.616				
Y	2.3	0.83290912	50	350	0.332				
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C	1.05	4.88E-02	24.7	741	1.138				
D	5.27	1.66203036	12.7	114.3	1.138				
E	6.15	1.81645208	15.3	76.5	1.138				
F	4.1	1.41098697	52	208	1.07				
G	7.76	2.04898233	11.7	11.7	1.899				
H	2.21	0.79299252	38.3	536.2	1.138				
I	5.86	1.7681496	32.3	64.6	1.464				
K	5.65	1.73165555	30.3	242.4	1.07				
L	9.83	2.28543893	27.3	54.6	2.215				
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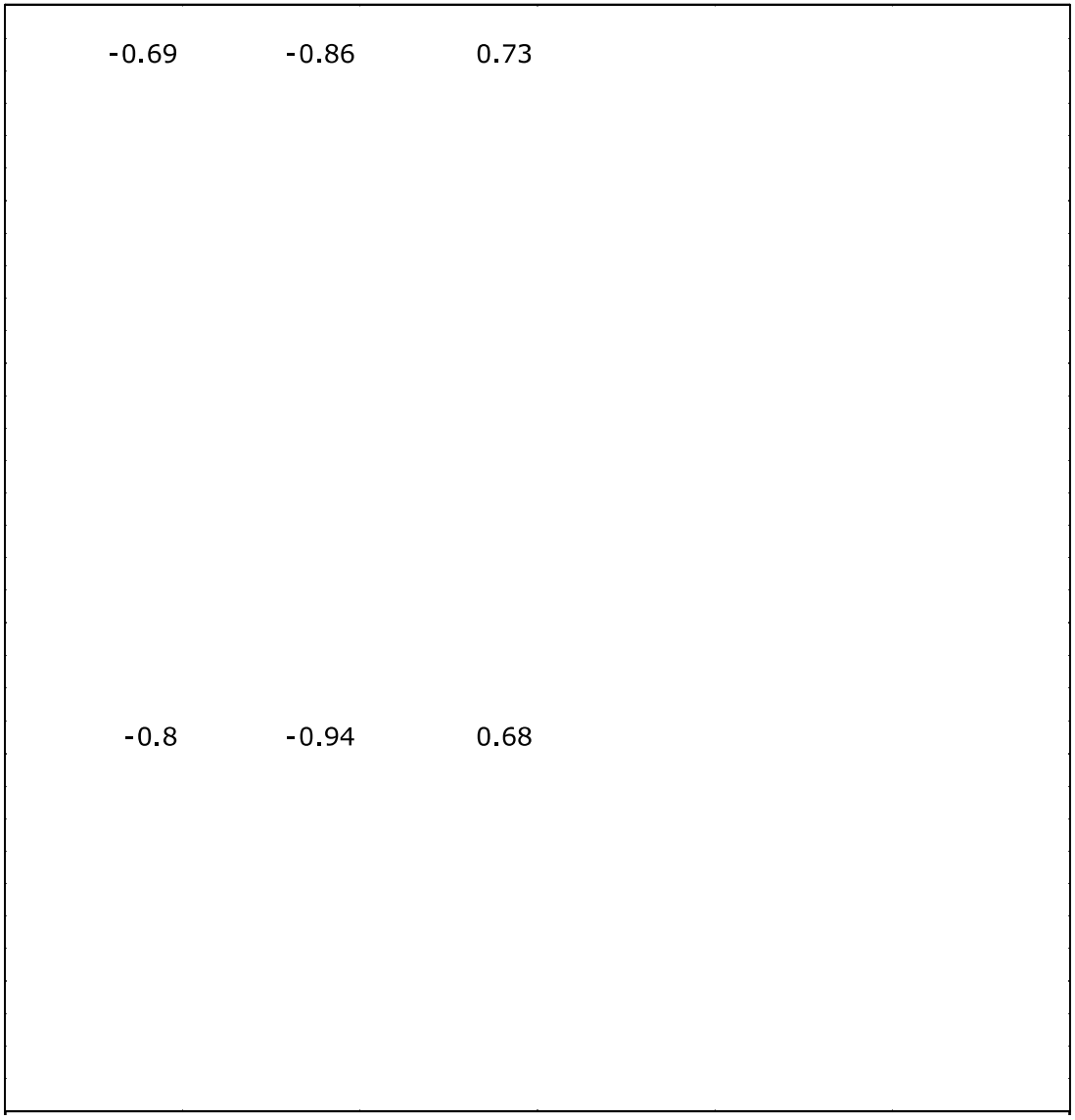
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R	5.49	1.70292826	27.3	109.2	2.283				
S	5.55	1.71379793	11.7	70.2	2.237				
T	5.24	1.6563215	18.7	112.2	1.831				
V	6.76	1.91102289	23.3	46.6	1.831				
W	1.17	0.15700375	74.3	891.6	0.479				
Y	2.97	1.08856195	50	350	1.07				
A	10.2	2.32238772	11.7	11.7	1.935	X. fastidiosa	0.53	-0.52	-0.59
C	1.19	0.17395331	24.7	741	1.137				
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G	7.58	2.0255132	11.7	11.7	1.935				
H	2.74	1.00795792	38.3	536.2	1.137				
I	5.33	1.67335124	32.3	64.6	1.42				
K	3.55	1.2669476	30.3	242.4	1.032				
L	10.7	2.37024374	27.3	54.6	2.202				
M	2.41	0.87962675	34.3	445.9	0.39				
N	3.34	1.20597081	14.7	147	1.032				
P	4.93	1.59533899	20.3	60.9	1.935				
Q	4.22	1.43983513	16.3	130.4	1.137				
R	6.7	1.90210753	27.3	109.2	2.306				
S	5.97	1.78674693	11.7	70.2	2.235				
T	5.8	1.75785792	18.7	112.2	1.83				
V	7.33	1.99197552	23.3	46.6	1.83				
W	1.46	0.37843644	74.3	891.6	0.495				
Y	2.61	0.95935022	50	350	1.032				
A	9.14	2.21266039	11.7	11.7	1.73	V. cholerae	0.47	-0.52	-0.58
C	1.05	4.88E-02	24.7	741	1.137				
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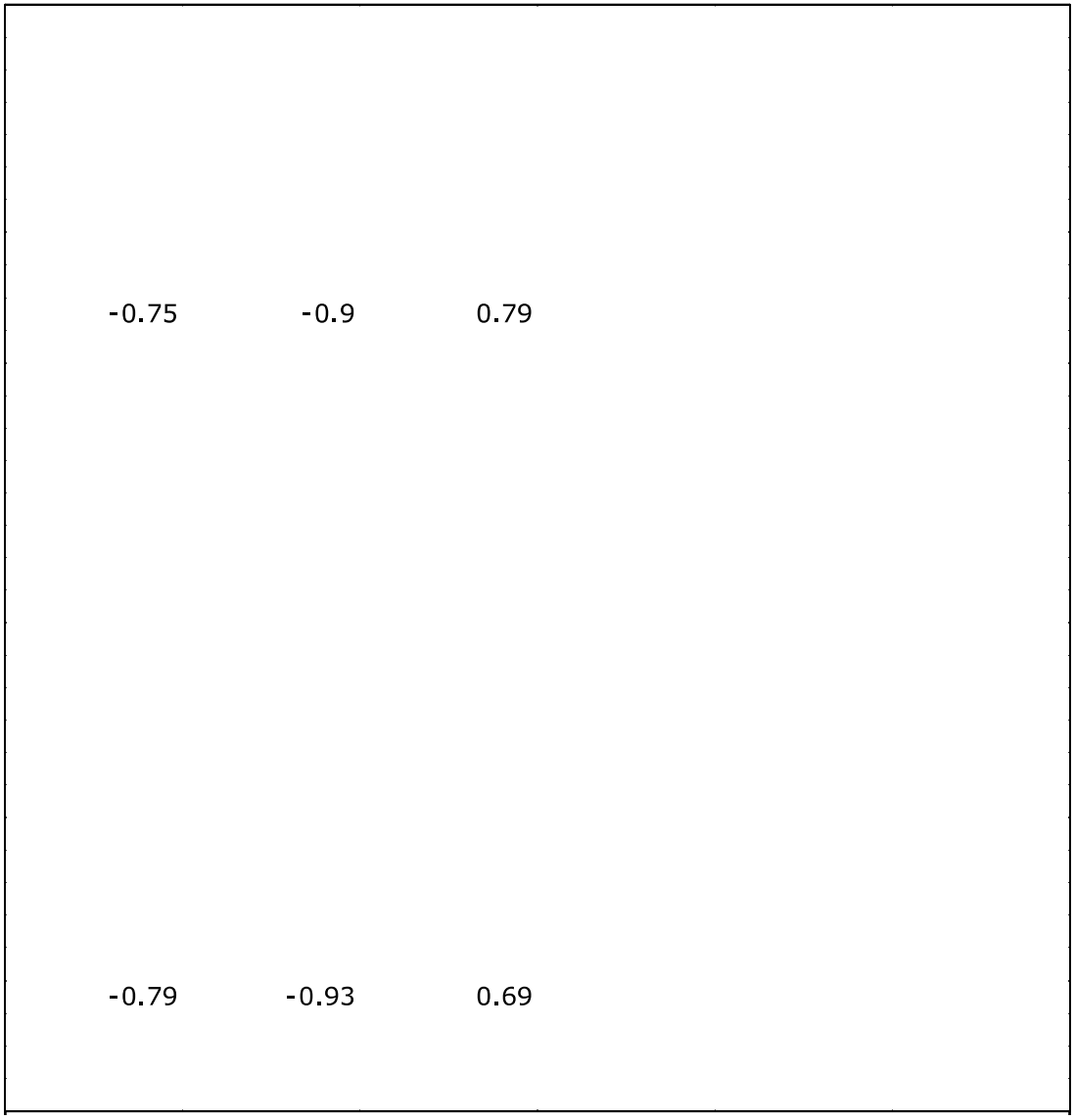
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I	6.04	1.79840401	32.3	64.6	1.659				
K	4.93	1.59533899	30.3	242.4	1.237				
L	10.8	2.37954613	27.3	54.6	2.27				
M	2.73	1.00430161	34.3	445.9	0.493				
N	3.9	1.36097655	14.7	147	1.237				
P	4.01	1.38879124	20.3	60.9	1.73				
Q	5.17	1.64287269	16.3	130.4	1.137				
R	4.94	1.59736533	27.3	109.2	2.17				
S	6.33	1.84530024	11.7	70.2	2.236				
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V	7.01	1.9473377	23.3	46.6	1.83				
W	1.32	0.27763174	74.3	891.6	0.392				
Y	2.96	1.08518927	50	350	1.237				
A	11.6	2.4510051	11.7	11.7	2.405	P. aeruginosa	0.67	-0.47	-0.54
C	1	0	24.7	741	1.023				
D	5.32	1.6714733	12.7	114.3	1.023				
E	6.08	1.8050047	15.3	76.5	1.023				
F	3.55	1.2669476	52	208	0.335				
G	8.45	2.13416644	11.7	11.7	2.405				
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I	4.17	1.42791604	32.3	64.6	0.623				
K	2.86	1.05082163	30.3	242.4	0.335				
L	12.4	2.51769647	27.3	54.6	1.94				
M	2.06	0.72270598	34.3	445.9	-7.20E-02				
N	2.64	0.97077892	14.7	147	0.335				
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Q	4.25	1.44691898	16.3	130.4	1.023				
R	7.62	2.03077637	27.3	109.2	2.629				
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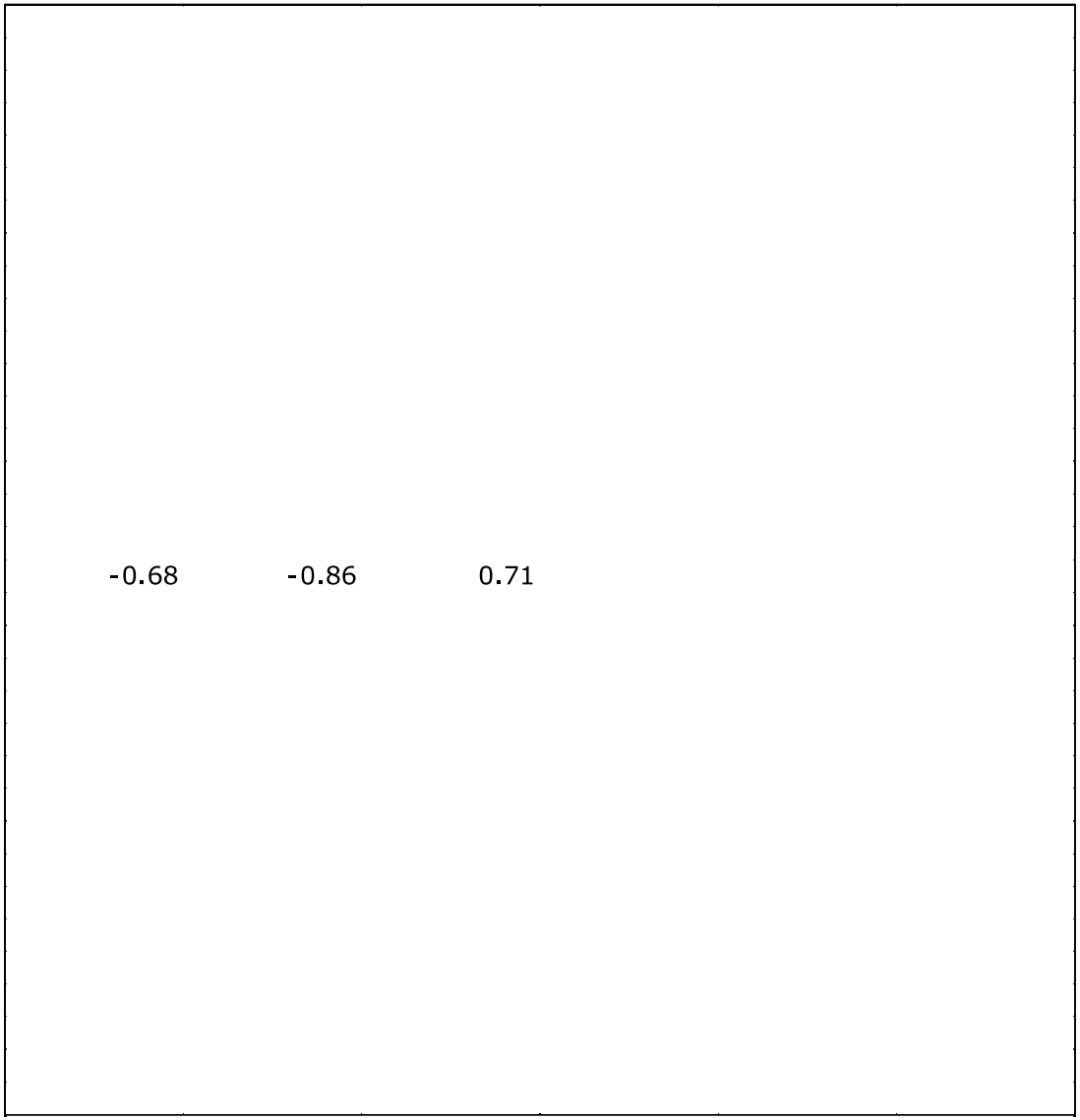
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Y	2.53	0.9282193	50	350	0.335				
A	4.47	1.49738841	11.7	11.7	0.552	Buchnera sp.	0.26	-0.26	-0.45
C	1.21	0.19062036	24.7	741	0.886				
D	4.32	1.4632554	12.7	114.3	0.886				
E	5.51	1.70656462	15.3	76.5	0.886				
F	5.04	1.61740608	52	208	1.914				
G	5.43	1.69193913	11.7	11.7	0.552				
H	2.11	0.74668795	38.3	536.2	0.886				
I	11.5	2.44234704	32.3	64.6	2.466				
K	9.88	2.29051251	30.3	242.4	1.914				
L	9.9	2.29253476	27.3	54.6	2.454				
M	2.17	0.77472717	34.3	445.9	0.58				
N	7.16	1.96850998	14.7	147	1.914				
P	3	1.09861229	20.3	60.9	0.552				
Q	3.2	1.16315081	16.3	130.4	0.886				
R	3.79	1.33236602	27.3	109.2	1.426				
S	7.27	1.98375629	11.7	70.2	1.985				
T	4.56	1.51732262	18.7	112.2	1.58				
V	4.85	1.57897871	23.3	46.6	1.58				
W	0.9	-0.1053605	74.3	891.6	-0.447				
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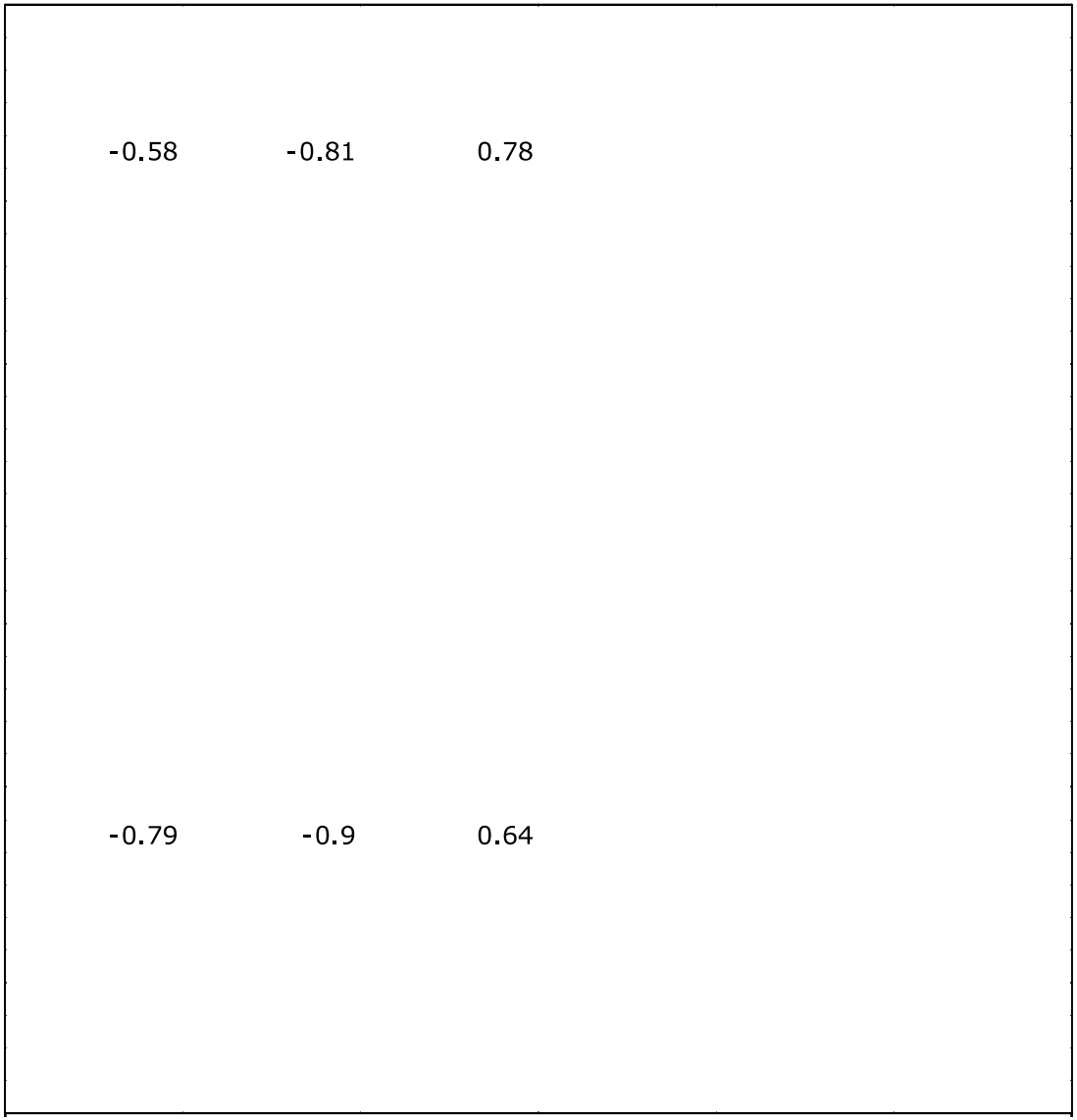
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R	3.65	1.29472717	27.3	109.2	1.88				
S	5.79	1.75613229	11.7	70.2	2.179				
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V	7.03	1.95018671	23.3	46.6	1.773				
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F	4.52	1.50851199	52	208	1.589				
G	6.58	1.88403475	11.7	11.7	1.251				
H	1.76	0.56531381	38.3	536.2	1.074				
I	7.81	2.05540496	32.3	64.6	2.075				
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L	9.42	2.24283509	27.3	54.6	2.375				
M	2.71	0.99694864	34.3	445.9	0.605				
N	4.72	1.5518088	14.7	147	1.589				
P	3.41	1.22671229	20.3	60.9	1.251				
Q	3.43	1.23256026	16.3	130.4	1.074				
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Y	3.46	1.24126859	50	350	1.589				
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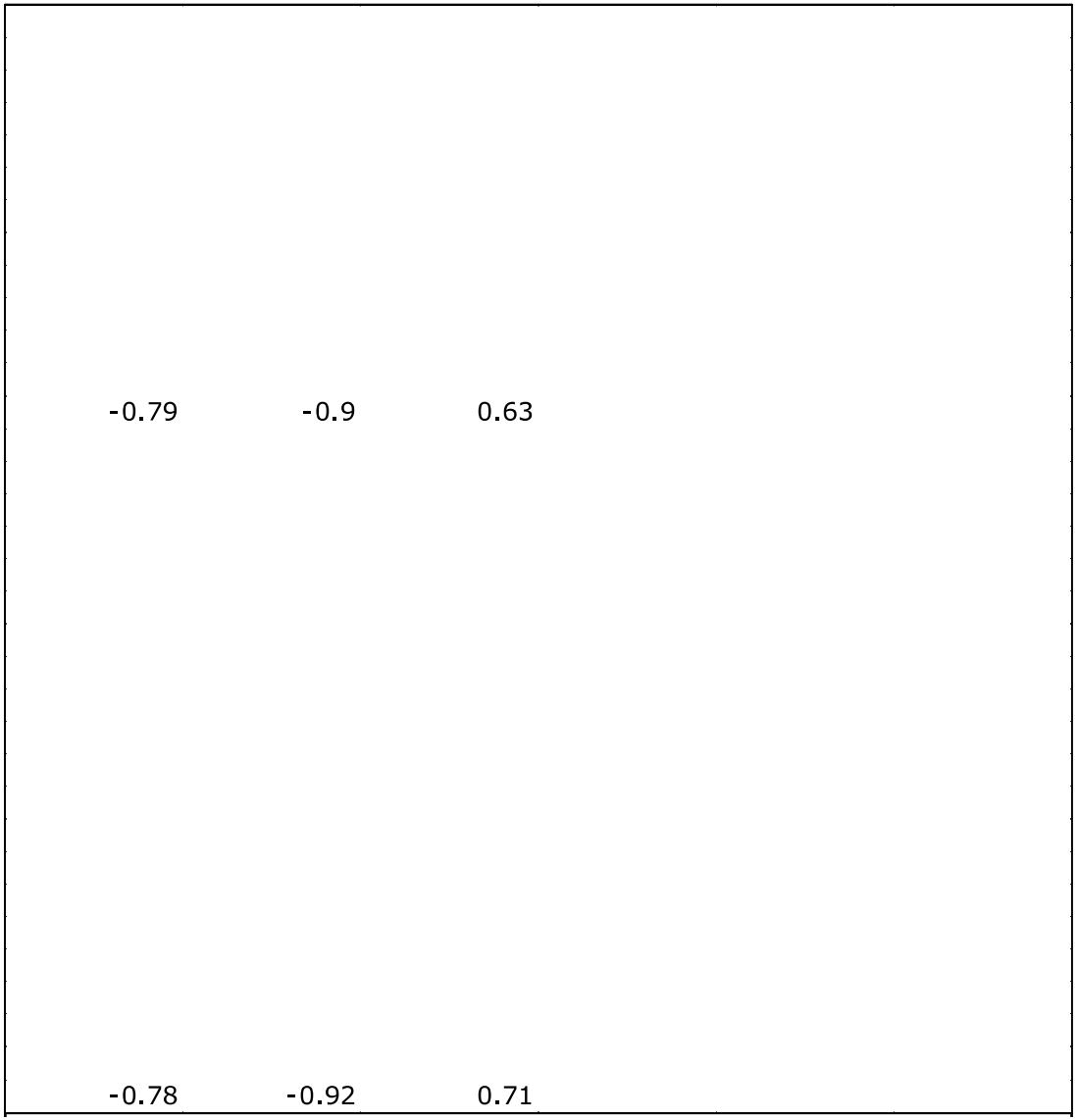
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F	3.85	1.34807315	52	208	1.063				
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S	5.79	1.75613229	11.7	70.2	2.237				
T	5.47	1.69927862	18.7	112.2	1.831				
V	7.06	1.95444505	23.3	46.6	1.831				
W	1.53	0.42526774	74.3	891.6	0.482				
Y	2.87	1.05431203	50	350	1.063				
A	9.19	2.21811594	11.7	11.7	1.735	Y. pestis	0.48	-0.53	-0.58
C	1.04	3.92E-02	24.7	741	1.137				
D	5.11	1.6311994	12.7	114.3	1.137				
E	5.48	1.7011051	15.3	76.5	1.137				
F	3.82	1.34025042	52	208	1.233				
G	7.22	1.97685495	11.7	11.7	1.735				
H	2.28	0.82417544	38.3	536.2	1.137				
I	6.21	1.8261609	32.3	64.6	1.654				
K	4.38	1.47704872	30.3	242.4	1.233				
L	10.9	2.38876279	27.3	54.6	2.269				
M	2.63	0.96698385	34.3	445.9	0.491				
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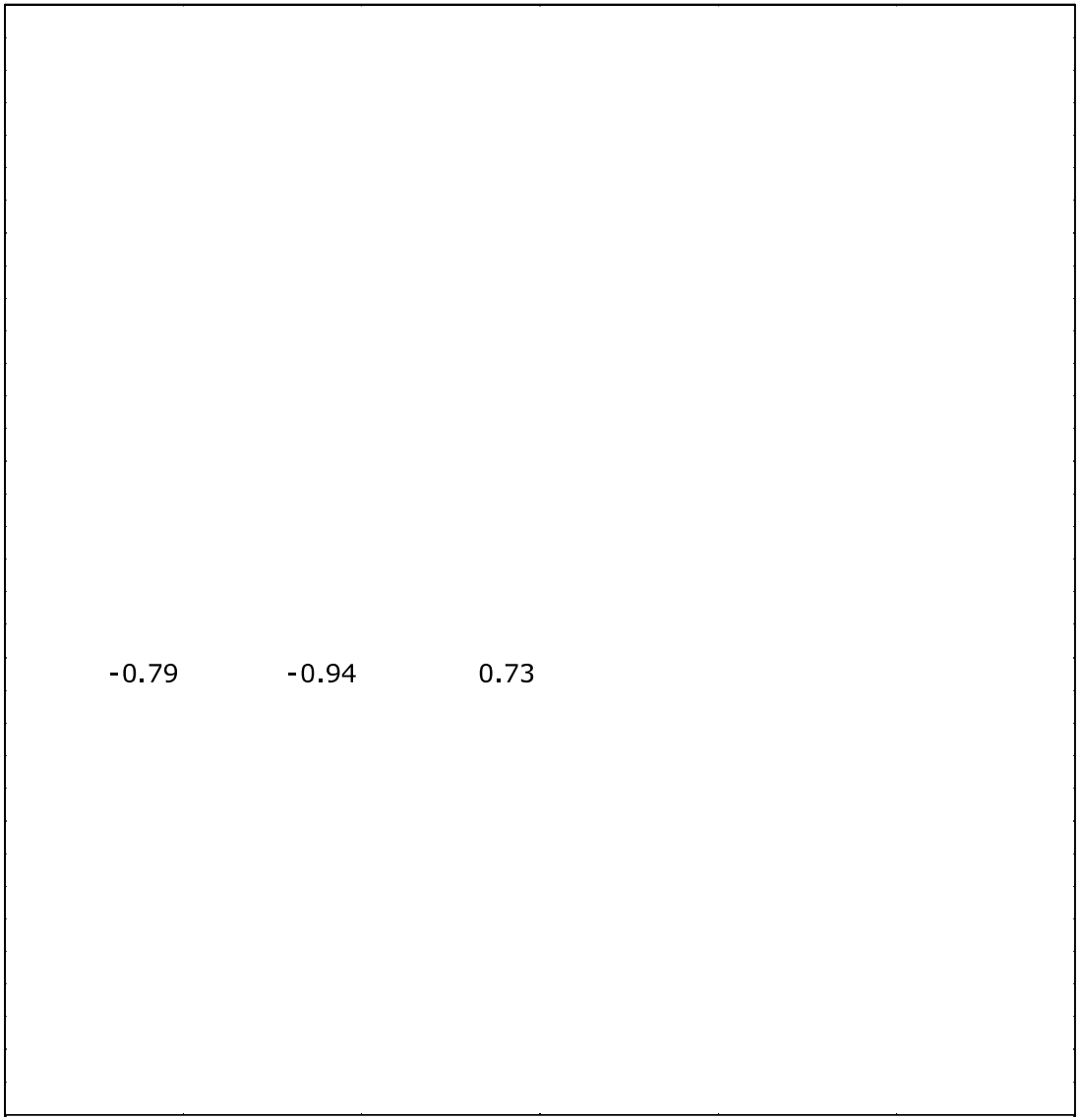
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V	6.89	1.93007109	23.3	46.6	1.83				
W	1.36	0.3074847	74.3	891.6	0.395				
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A	6.39	1.85473427	11.7	11.7	0.992	S. aureus Mu	0.33	-0.46	-0.52
C	0.63	-0.4620355	24.7	741	1.014				
D	5.83	1.763017	12.7	114.3	1.014				
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I	8.58	2.14943391	32.3	64.6	2.243				
K	7.56	2.02287119	30.3	242.4	1.73				
L	9.11	2.20937271	27.3	54.6	2.412				
M	2.64	0.97077892	34.3	445.9	0.616				
N	5.68	1.73695123	14.7	147	1.73				
P	3.2	1.16315081	20.3	60.9	0.992				
Q	4.16	1.42551507	16.3	130.4	1.014				
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S	6.14	1.81482474	11.7	70.2	2.113				
T	5.8	1.75785792	18.7	112.2	1.707				
V	6.68	1.89911799	23.3	46.6	1.707				
W	0.74	-0.3011051	74.3	891.6	-9.90E-02				
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C	0.63	-0.4620355	24.7	741	1.014				
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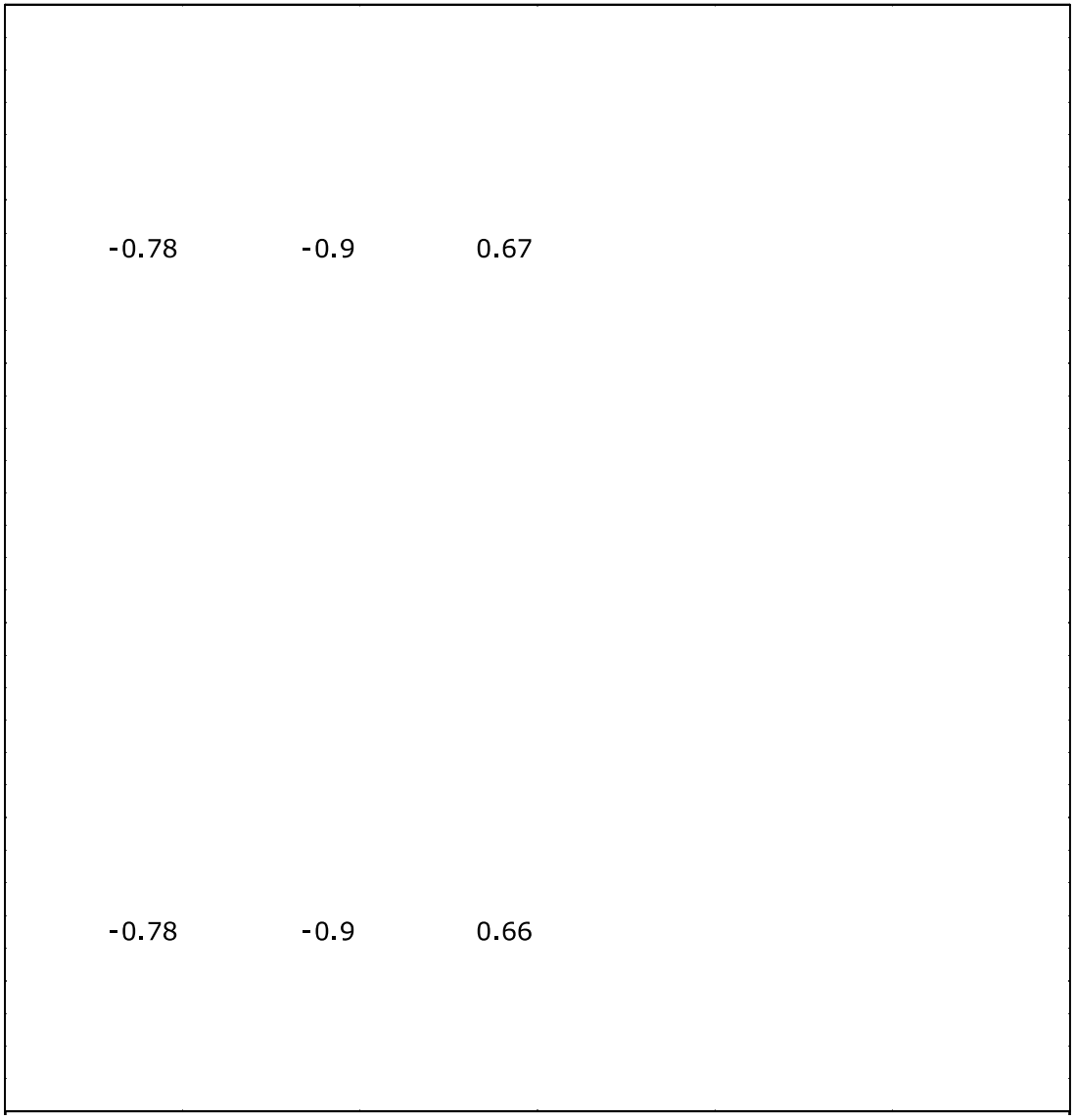
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M	2.56	0.94000726	34.3	445.9	0.599				
N	4.36	1.47247206	14.7	147	1.553				
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T	5.87	1.76985463	18.7	112.2	1.778				
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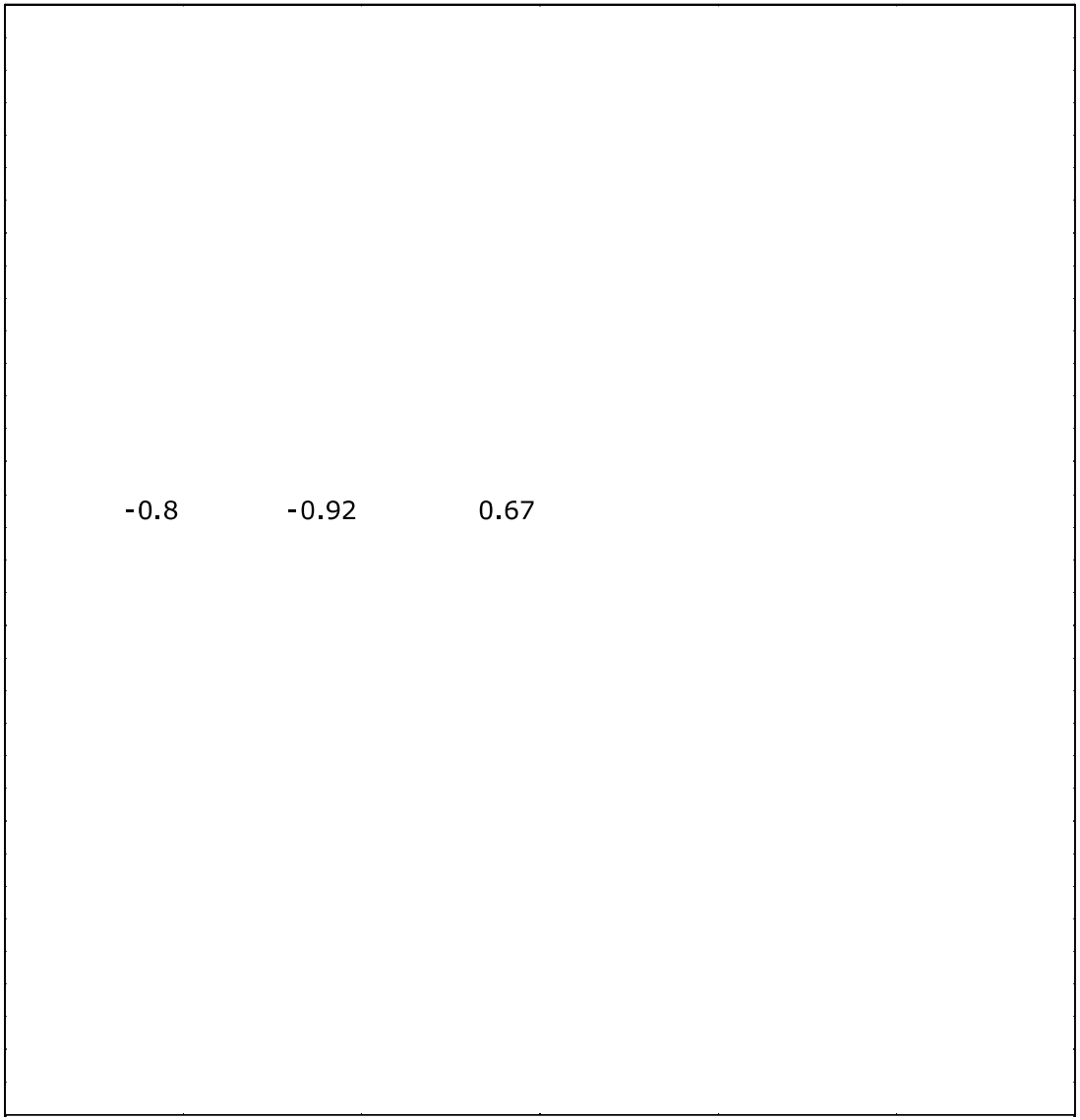
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C	0.86	-0.1508229	24.7	741	1.075				
D	5.67	1.73518912	12.7	114.3	1.075				
E	5.37	1.68082791	15.3	76.5	1.075				
F	3.84	1.34547237	52	208	0.564				
G	8.61	2.15292432	11.7	11.7	2.279				
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I	5.38	1.68268837	32.3	64.6	0.882				
K	3.69	1.30562646	30.3	242.4	0.564				
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Q	3.11	1.13462273	16.3	130.4	1.075				
R	6.98	1.94304892	27.3	109.2	2.541				
S	5.69	1.73871025	11.7	70.2	2.173				
T	5.3	1.66770682	18.7	112.2	1.768				
V	7.34	1.99333884	23.3	46.6	1.768				
W	1.36	0.3074847	74.3	891.6	0.605				
Y	2.21	0.79299252	50	350	0.564				
A	12.1	2.49320545	11.7	11.7	2.268	S. meliloti	0.62	-0.5	-0.54
C	0.86	-0.1508229	24.7	741	1.078				
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E	6.03	1.79674701	15.3	76.5	1.078				
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G	8.52	2.14241634	11.7	11.7	2.268				
H	2.05	0.71783979	38.3	536.2	1.078				
I	5.47	1.69927862	32.3	64.6	0.902				
K	3.43	1.23256026	30.3	242.4	0.582				
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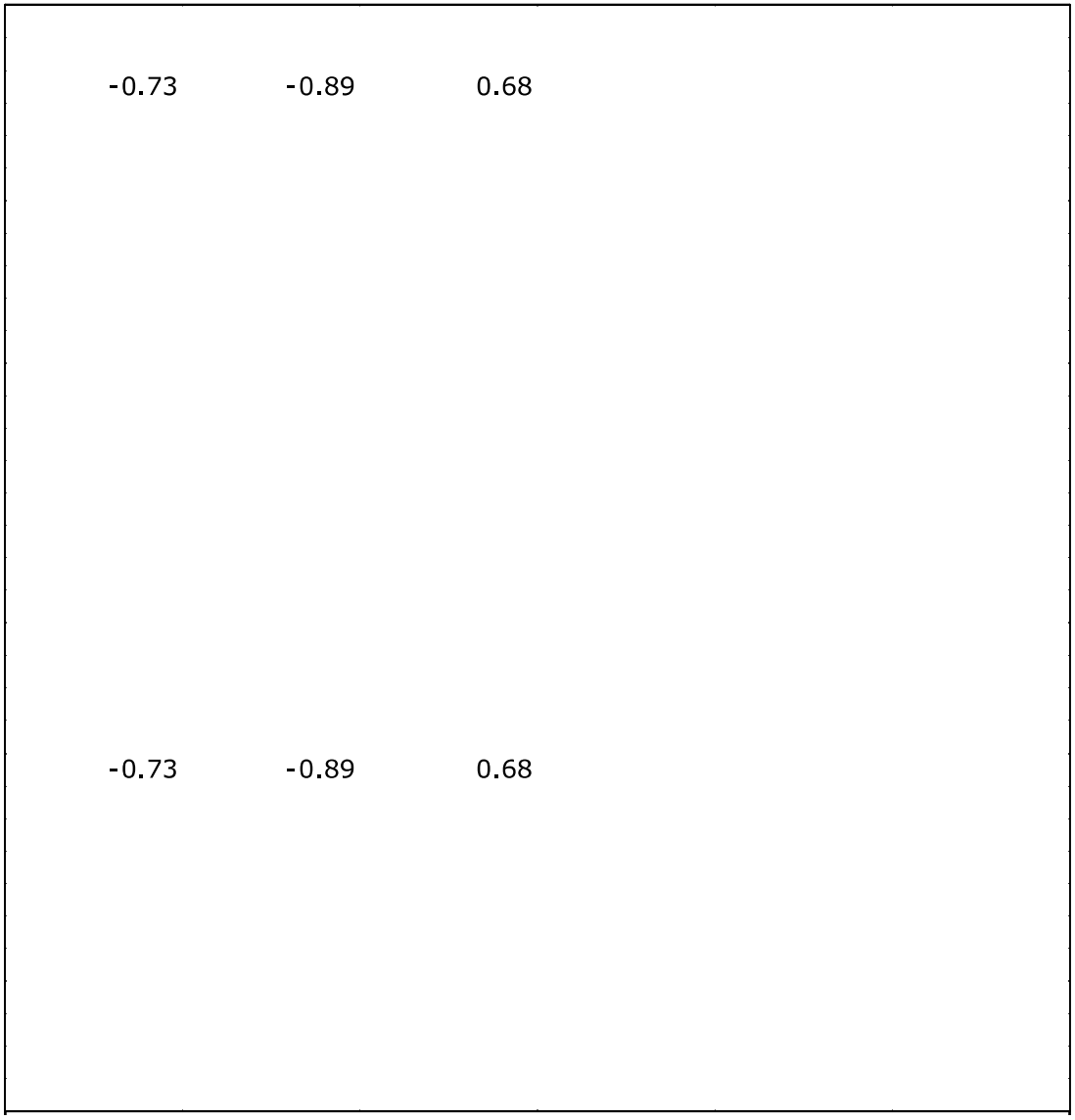
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R	7.19	1.97269117	27.3	109.2	2.534				
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T	5.15	1.63899672	18.7	112.2	1.772				
V	7.44	2.00687085	23.3	46.6	1.772				
W	1.3	0.26236426	74.3	891.6	0.603				
Y	2.27	0.81977983	50	350	0.582				
A	11.5	2.44234704	11.7	11.7	2.165	A. tumefacier	0.59	-0.52	-0.55
C	0.83	-0.1863296	24.7	741	1.106				
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F	4.05	1.39871688	52	208	0.741				
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H	2.02	0.70309751	38.3	536.2	1.106				
I	5.75	1.74919986	32.3	64.6	1.084				
K	3.9	1.36097655	30.3	242.4	0.741				
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M	2.68	0.9858168	34.3	445.9	0.214				
N	2.98	1.0919233	14.7	147	0.741				
P	4.82	1.57277393	20.3	60.9	2.165				
Q	3.12	1.137833	16.3	130.4	1.106				
R	6.64	1.89311196	27.3	109.2	2.463				
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V	7.28	1.98513086	23.3	46.6	1.799				
W	1.25	0.22314355	74.3	891.6	0.579				
Y	2.3	0.83290912	50	350	0.741				
A	13.2	2.58021683	11.7	11.7	2.377	M. bovis	0.66	-0.51	-0.55
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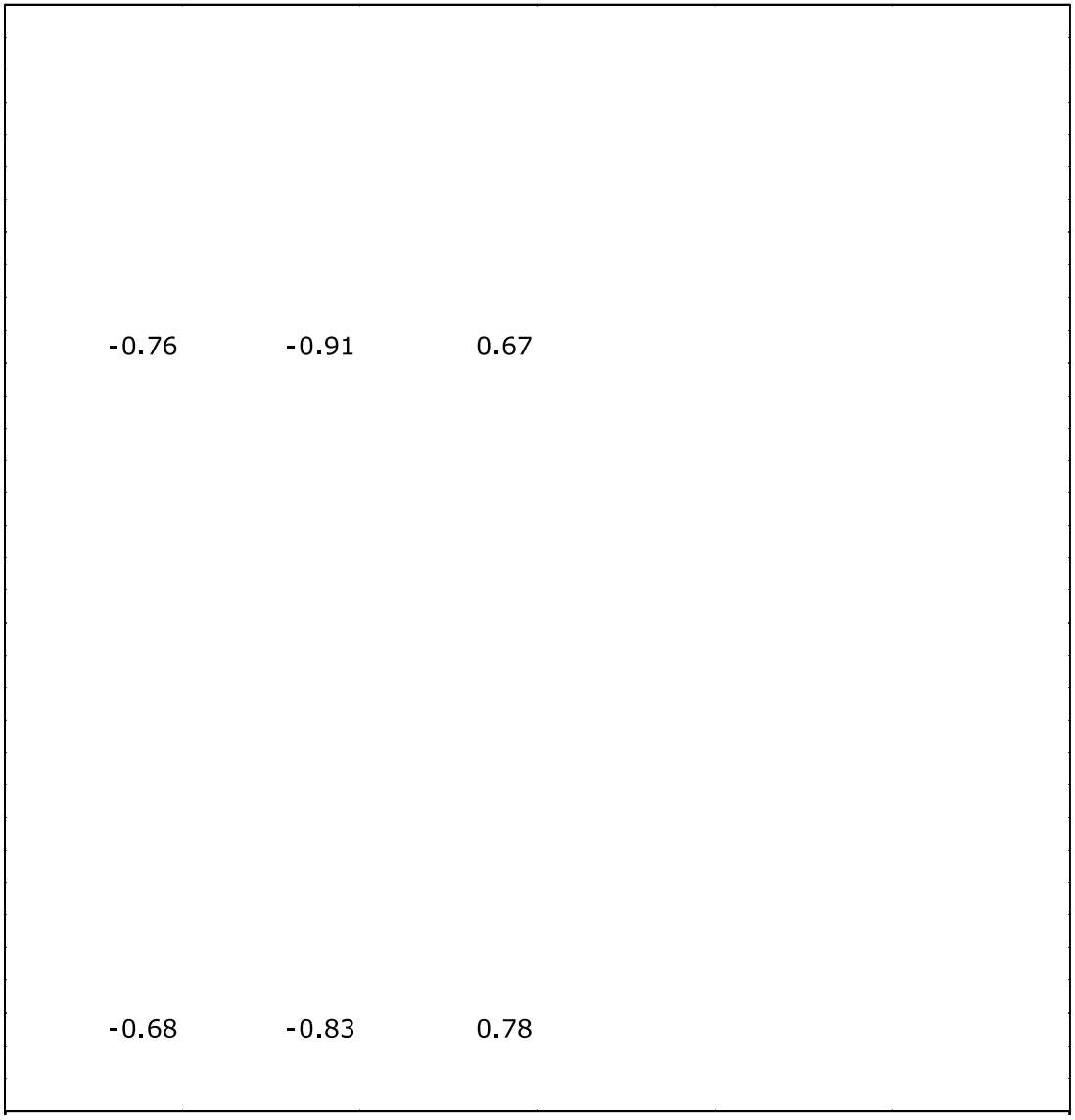
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G	10	2.30258509	11.7	11.7	2.377				
H	2.23	0.80200159	38.3	536.2	1.037				
I	4.25	1.44691898	32.3	64.6	0.685				
K	2.03	0.70803579	30.3	242.4	0.39				
L	9.75	2.27726729	27.3	54.6	1.962				
M	1.84	0.60976557	34.3	445.9	-3.10E-02				
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P	5.81	1.75958057	20.3	60.9	2.377				
Q	3.08	1.1249296	16.3	130.4	1.037				
R	7.32	1.99061033	27.3	109.2	2.609				
S	5.48	1.7011051	11.7	70.2	2.135				
T	5.92	1.77833645	18.7	112.2	1.73				
V	8.57	2.14826773	23.3	46.6	1.73				
W	1.46	0.37843644	74.3	891.6	0.615				
Y	2.06	0.72270598	50	350	0.39				
A	13.7	2.61739583	11.7	11.7	2.562	S. coelicolor	0.72	-0.49	-0.51
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H	2.34	0.85015093	38.3	536.2	0.924				
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P	6.2	1.82454929	20.3	60.9	2.562				
Q	2.63	0.96698385	16.3	130.4	0.924				
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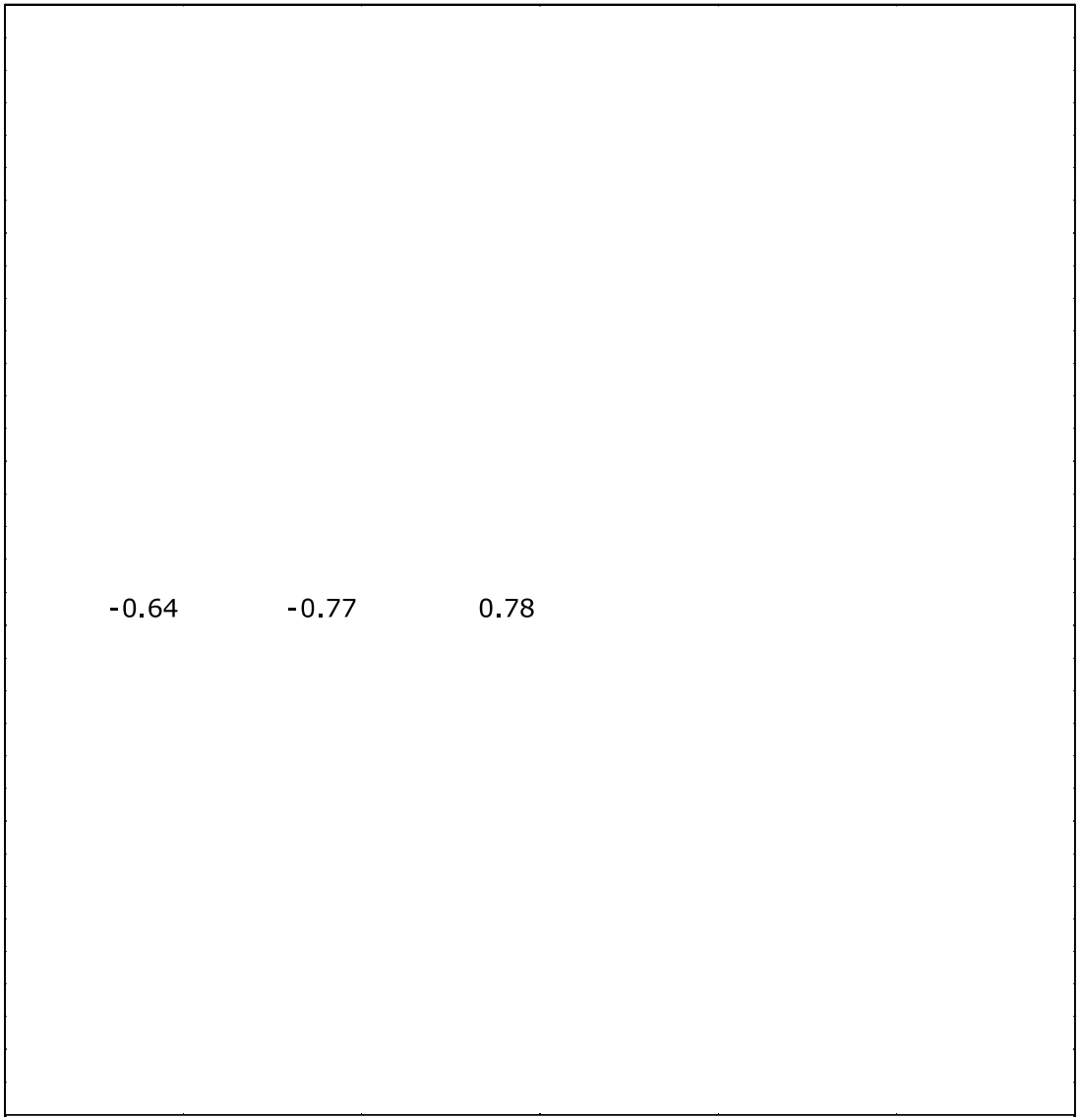
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W	1.51	0.41210965	74.3	891.6	0.596				
Y	2.05	0.71783979	50	350	-2.00E-02				
A	4.89	1.5871923	11.7	11.7	0.486	U. urealyticun	0.26	-0.27	-0.4
C	0.66	-0.4155154	24.7	741	0.865				
D	5.68	1.73695123	12.7	114.3	0.865				
E	5.75	1.74919986	15.3	76.5	0.865				
F	5.15	1.63899672	52	208	1.937				
G	4.13	1.41827741	11.7	11.7	0.486				
H	1.73	0.54812141	38.3	536.2	0.865				
I	10.3	2.3321439	32.3	64.6	2.494				
K	9.94	2.29656702	30.3	242.4	1.937				
L	10	2.30258509	27.3	54.6	2.458				
M	1.68	0.51879379	34.3	445.9	0.57				
N	9.06	2.20386912	14.7	147	1.937				
P	2.65	0.97455964	20.3	60.9	0.486				
Q	3.83	1.3428648	16.3	130.4	0.865				
R	2.77	1.01884732	27.3	109.2	1.386				
S	5.98	1.78842057	11.7	70.2	1.963				
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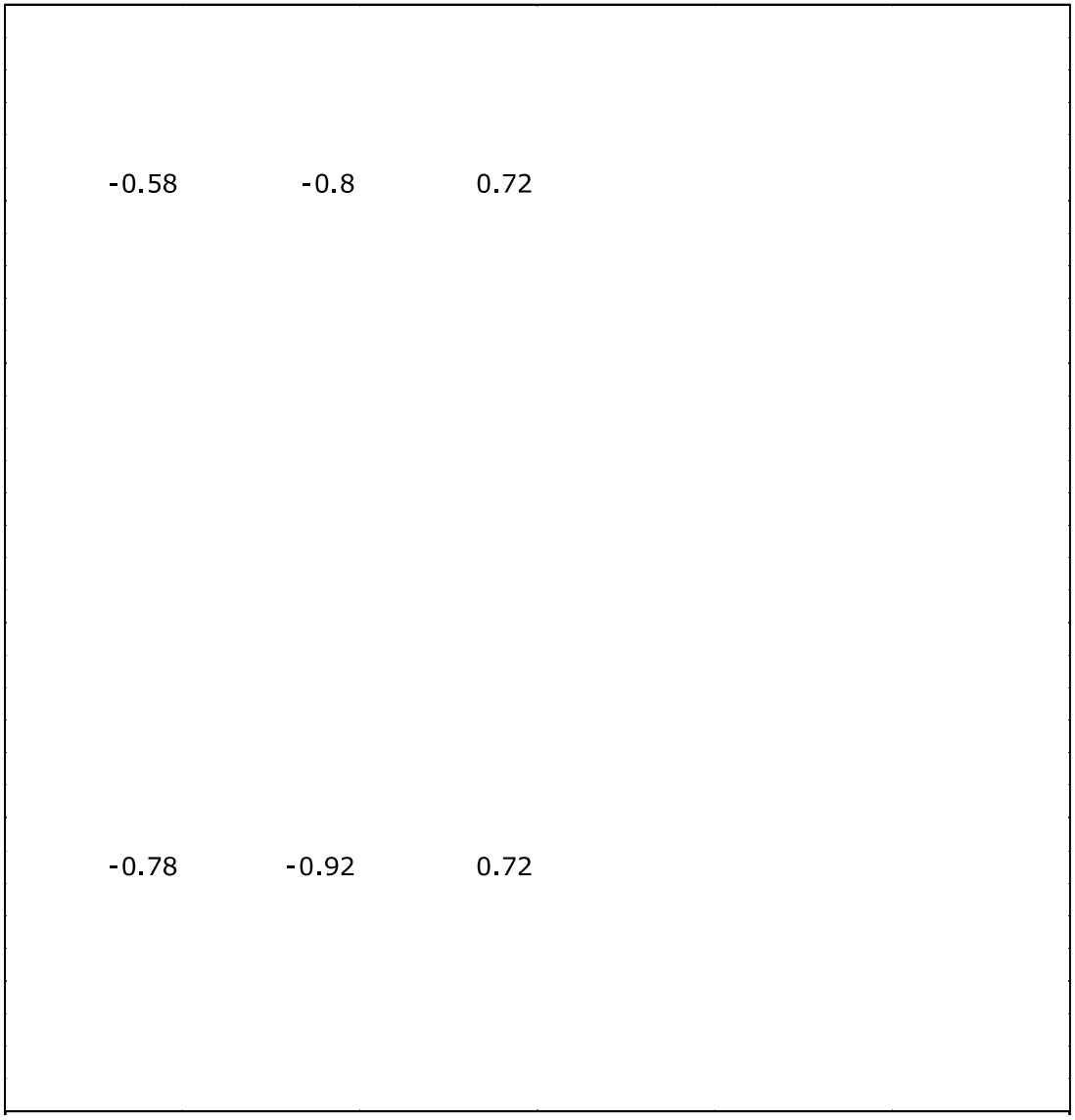
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M	2.86	1.05082163	34.3	445.9	0.433				
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P	4.37	1.47476301	20.3	60.9	1.858				
Q	4.45	1.4929041	16.3	130.4	1.139				
R	5.88	1.77155676	27.3	109.2	2.255				
S	5.82	1.76130026	11.7	70.2	2.238				
T	5.34	1.67522565	18.7	112.2	1.832				
V	7.06	1.95444505	23.3	46.6	1.832				
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C	0.45	-0.7985077	24.7	741	1.049				
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E	6.98	1.94304892	15.3	76.5	1.049				
F	4.76	1.56024767	52	208	1.654				
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N	5.2	1.64865863	14.7	147	1.654				
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V	6.58	1.88403475	23.3	46.6	1.743				
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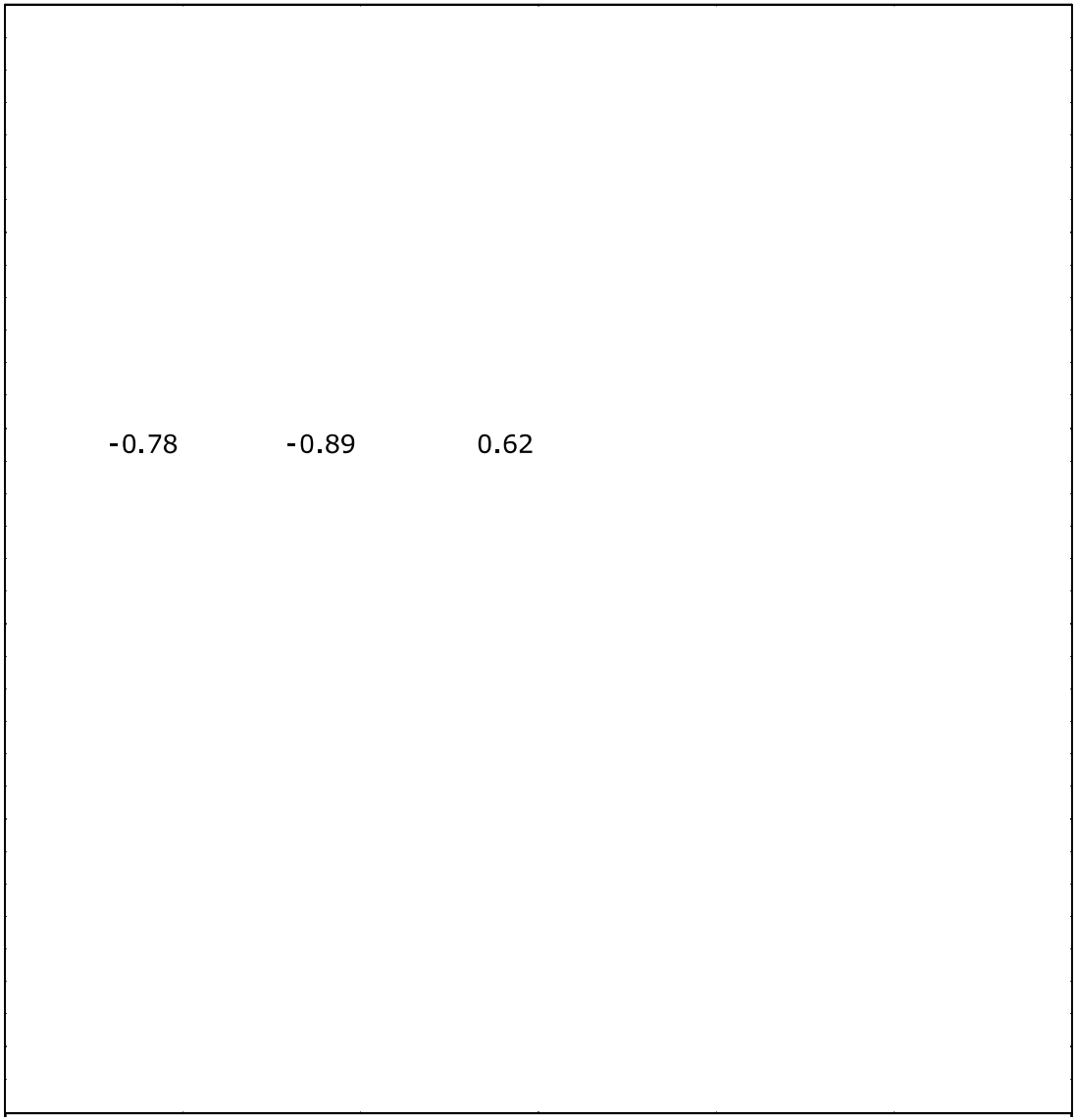
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D	4.95	1.59938758	12.7	114.3	1.008				
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G	5.46	1.69744879	11.7	11.7	0.967				
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S	6.74	1.90805993	11.7	70.2	2.106				
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V	5.66	1.73342389	23.3	46.6	1.701				
W	0.76	-0.2744368	74.3	891.6	-0.118				
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C	0.74	-0.3011051	24.7	741	1.013				
D	5.79	1.75613229	12.7	114.3	1.013				
E	5.4	1.68639895	15.3	76.5	1.013				
F	3.54	1.26412673	52	208	0.296				
G	8.96	2.19277023	11.7	11.7	2.424				
H	1.8	0.58778667	38.3	536.2	1.013				
I	4.37	1.47476301	32.3	64.6	0.579				
K	3.52	1.25846099	30.3	242.4	0.296				
L	10	2.30258509	27.3	54.6	1.925				
M	2.26	0.81536481	34.3	445.9	-0.102				
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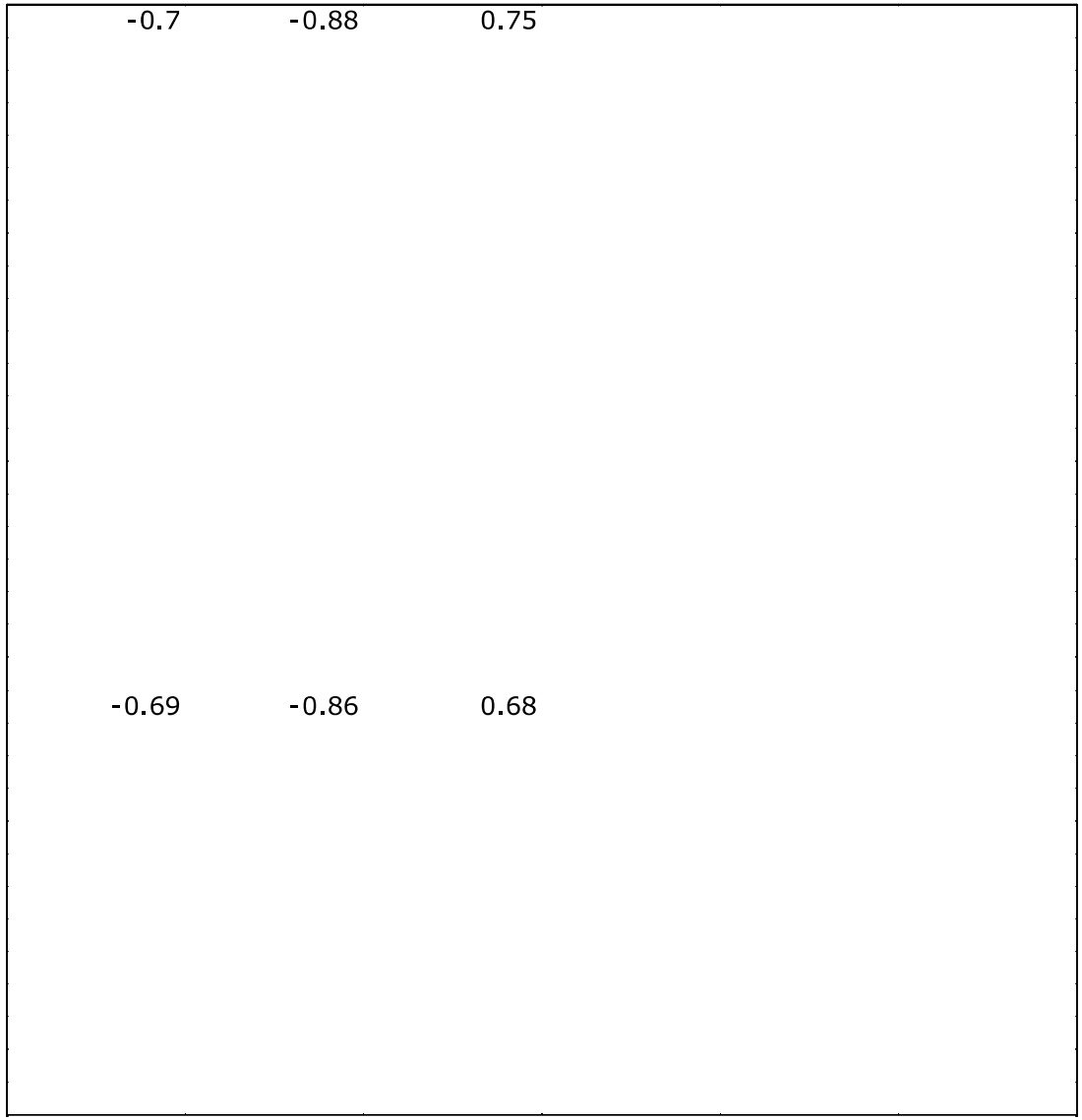
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Q	3.21	1.16627094	16.3	130.4	1.013				
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T	5.22	1.6524974	18.7	112.2	1.706				
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W	1.41	0.3435897	74.3	891.6	0.616				
Y	2.1	0.74193735	50	350	0.296				
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C	0.93	-7.26E-02	24.7	741	1.108				
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G	6.69	1.90061387	11.7	11.7	1.449				
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I	6.93	1.93585981	32.3	64.6	1.923				
K	4.67	1.54115907	30.3	242.4	1.461				
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M	1.79	0.58221562	34.3	445.9	0.576				
N	4.56	1.51732262	14.7	147	1.461				
P	4.69	1.54543258	20.3	60.9	1.449				
Q	5.55	1.71379793	16.3	130.4	1.108				
R	5.02	1.61342993	27.3	109.2	1.986				
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T	5.83	1.763017	18.7	112.2	1.802				
V	6.67	1.89761986	23.3	46.6	1.802				
W	1.42	0.35065687	74.3	891.6	0.223				
Y	3.07	1.12167756	50	350	1.461				
A	9.75	2.27726729	11.7	11.7	1.984	T. elongatus	0.54	-0.47	-0.53
C	1.13	0.12221763	24.7	741	1.133				
D	4.45	1.4929041	12.7	114.3	1.133				
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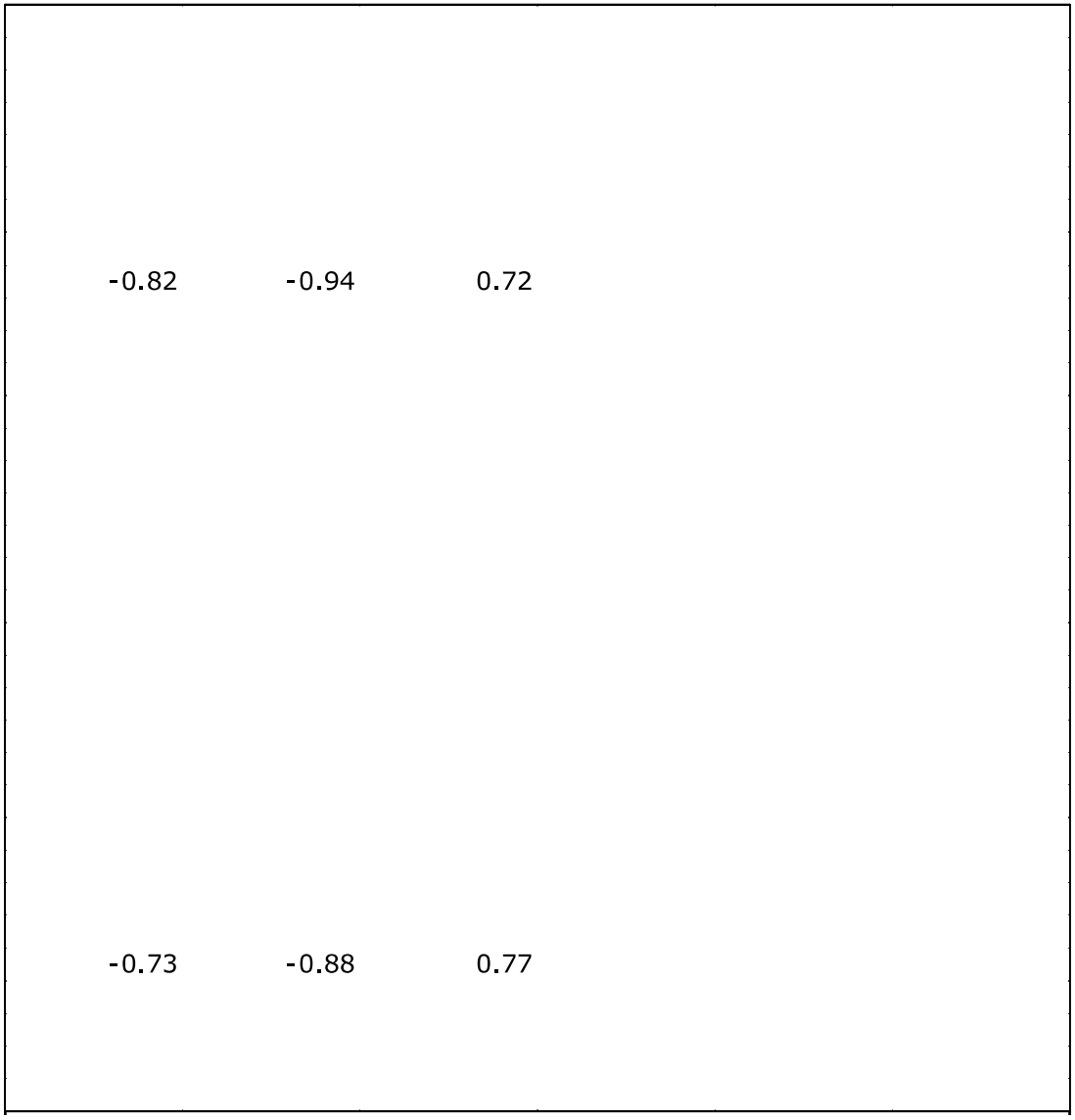
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I	5.54	1.7119945	32.3	64.6	1.355				
K	3.11	1.13462273	30.3	242.4	0.976				
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M	1.92	0.65232519	34.3	445.9	0.358				
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Q	5.78	1.75440368	16.3	130.4	1.133				
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S	5.17	1.64287269	11.7	70.2	2.232				
T	5.49	1.70292826	18.7	112.2	1.826				
V	7	1.94591015	23.3	46.6	1.826				
W	1.7	0.53062825	74.3	891.6	0.516				
Y	2.85	1.04731899	50	350	0.976				
A	6.5	1.87180218	11.7	11.7	1.261	T. tengconge	0.38	-0.36	-0.46
C	0.76	-0.2744368	24.7	741	1.076				
D	4.94	1.59736533	12.7	114.3	1.076				
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G	6.84	1.92278773	11.7	11.7	1.261				
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I	8.95	2.19165353	32.3	64.6	2.069				
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L	9.53	2.25444472	27.3	54.6	2.374				
M	2.52	0.9242589	34.3	445.9	0.605				
N	4.35	1.47017585	14.7	147	1.583				
P	3.56	1.26976055	20.3	60.9	1.261				
Q	2.33	0.84586827	16.3	130.4	1.076				
R	4.35	1.47017585	27.3	109.2	1.866				
S	5.25	1.65822808	11.7	70.2	2.174				
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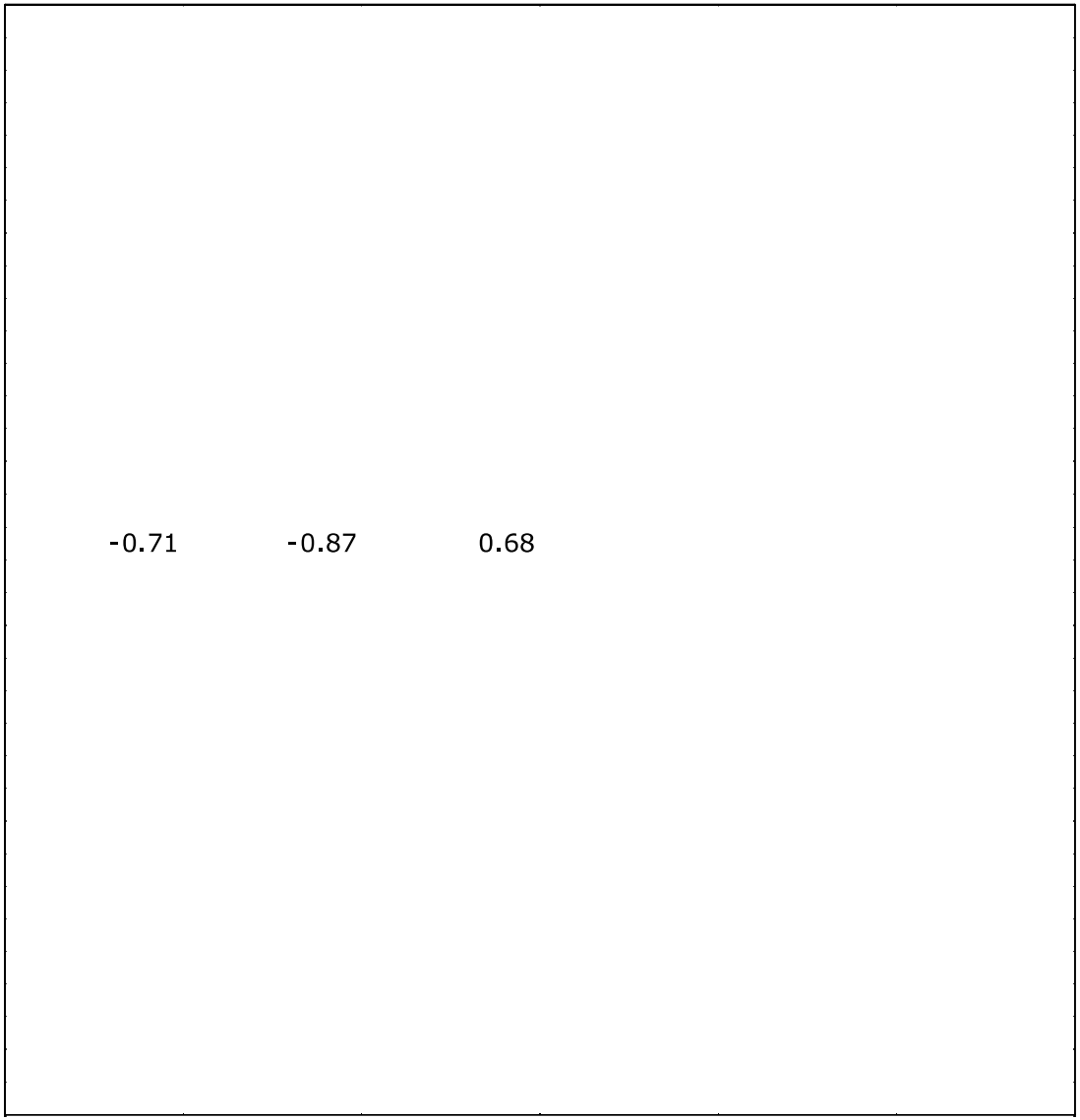
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W	0.8	-0.2231436	74.3	891.6	9.70E-02				
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A	4.56	1.51732262	11.7	11.7	0.628	B. floridanus	0.27	-0.3	-0.48
C	1.57	0.45107562	24.7	741	0.91				
D	4.58	1.521699	12.7	114.3	0.91				
E	4.43	1.48839958	15.3	76.5	0.91				
F	4.45	1.4929041	52	208	1.886				
G	5.7	1.74046618	11.7	11.7	0.628				
H	2.58	0.9477894	38.3	536.2	0.91				
I	11.4	2.43361336	32.3	64.6	2.432				
K	7.16	1.96850998	30.3	242.4	1.886				
L	10	2.30258509	27.3	54.6	2.448				
M	2.5	0.91629073	34.3	445.9	0.591				
N	6.88	1.92861865	14.7	147	1.886				
P	3.18	1.1568812	20.3	60.9	0.628				
Q	3.89	1.35840916	16.3	130.4	0.91				
R	4.08	1.40609699	27.3	109.2	1.472				
S	7.02	1.94876322	11.7	70.2	2.009				
T	4.86	1.58103844	18.7	112.2	1.604				
V	5.75	1.74919986	23.3	46.6	1.604				
W	1.03	2.96E-02	74.3	891.6	-0.385				
Y	4.23	1.44220199	50	350	1.886				
A	6.9	1.93152141	11.7	11.7	1.2	P. marinus CC	0.36	-0.47	-0.56
C	1.22	0.19885086	24.7	741	1.063				
D	4.93	1.59533899	12.7	114.3	1.063				
E	6.43	1.86097454	15.3	76.5	1.063				
F	4.06	1.40118297	52	208	1.619				
G	6.87	1.92716411	11.7	11.7	1.2				
H	1.81	0.59332685	38.3	536.2	1.063				
I	7.81	2.05540496	32.3	64.6	2.111				
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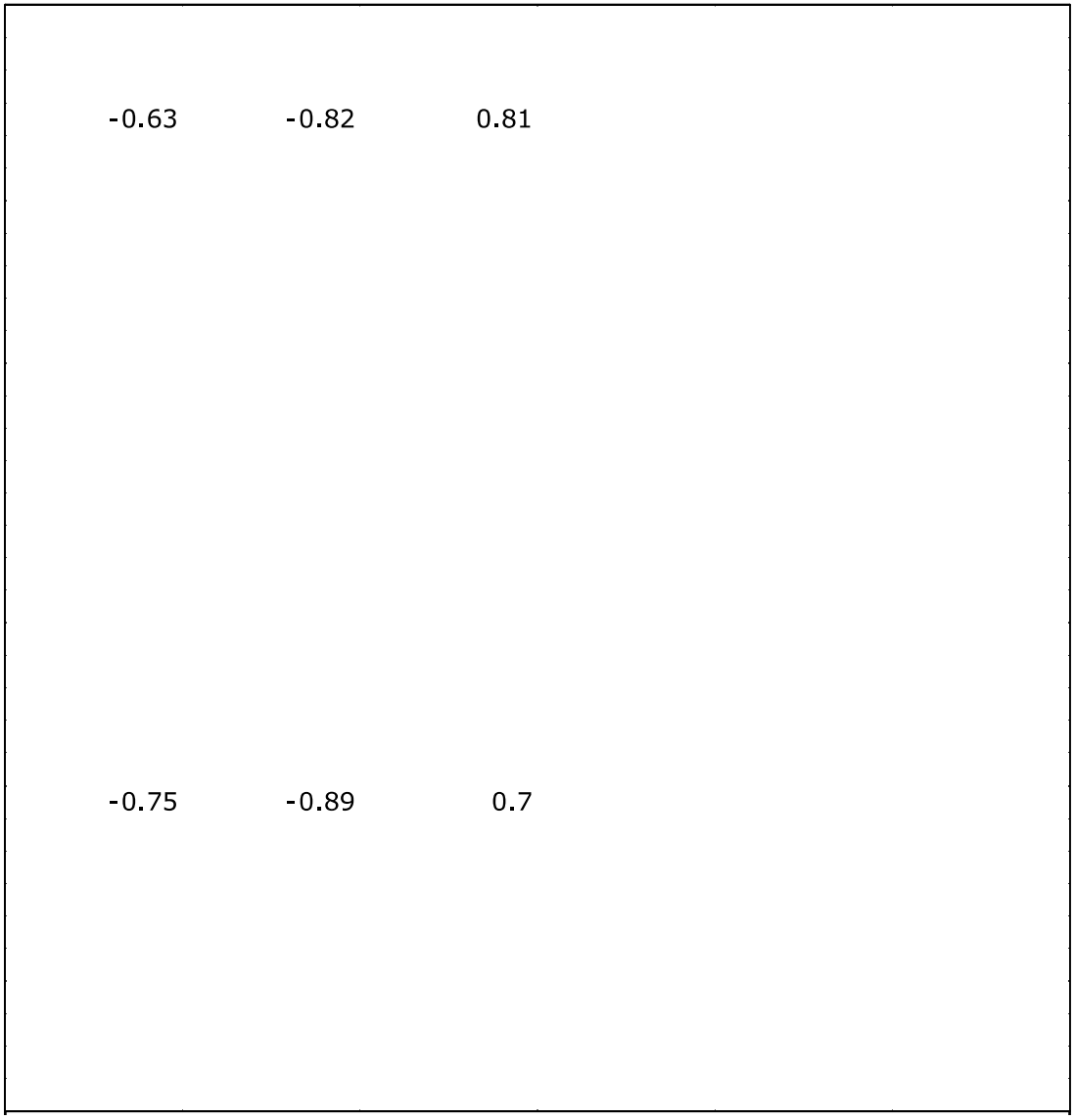
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P	4.25	1.44691898	20.3	60.9	1.2				
Q	3.66	1.29746315	16.3	130.4	1.063				
R	4.92	1.59330853	27.3	109.2	1.827				
S	7.71	2.04251819	11.7	70.2	2.162				
T	4.69	1.54543258	18.7	112.2	1.756				
V	5.7	1.74046618	23.3	46.6	1.756				
W	1.46	0.37843644	74.3	891.6	5.40E-02				
Y	2.44	0.89199804	50	350	1.619				
A	9.63	2.26488323	11.7	11.7	1.862	P. marinus MI	0.51	-0.51	-0.61
C	1.32	0.27763174	24.7	741	1.139				
D	5.07	1.62334082	12.7	114.3	1.139				
E	5.83	1.763017	15.3	76.5	1.139				
F	3.25	1.178655	52	208	1.11				
G	7.84	2.05923883	11.7	11.7	1.862				
H	2.17	0.77472717	38.3	536.2	1.139				
I	4.9	1.58923521	32.3	64.6	1.51				
K	3.51	1.25561604	30.3	242.4	1.11				
L	12.5	2.52572864	27.3	54.6	2.228				
M	2.13	0.75612198	34.3	445.9	0.431				
N	3.21	1.16627094	14.7	147	1.11				
P	5.17	1.64287269	20.3	60.9	1.862				
Q	4.88	1.58514522	16.3	130.4	1.139				
R	6.5	1.87180218	27.3	109.2	2.258				
S	6.78	1.9139771	11.7	70.2	2.238				
T	4.71	1.54968791	18.7	112.2	1.832				
V	6.79	1.91545094	23.3	46.6	1.832				
W	1.72	0.54232429	74.3	891.6	0.461				
Y	1.98	0.68309685	50	350	1.11				
A	5.35	1.67709656	11.7	11.7	0.864	P. marinus CC	0.31	-0.38	-0.49
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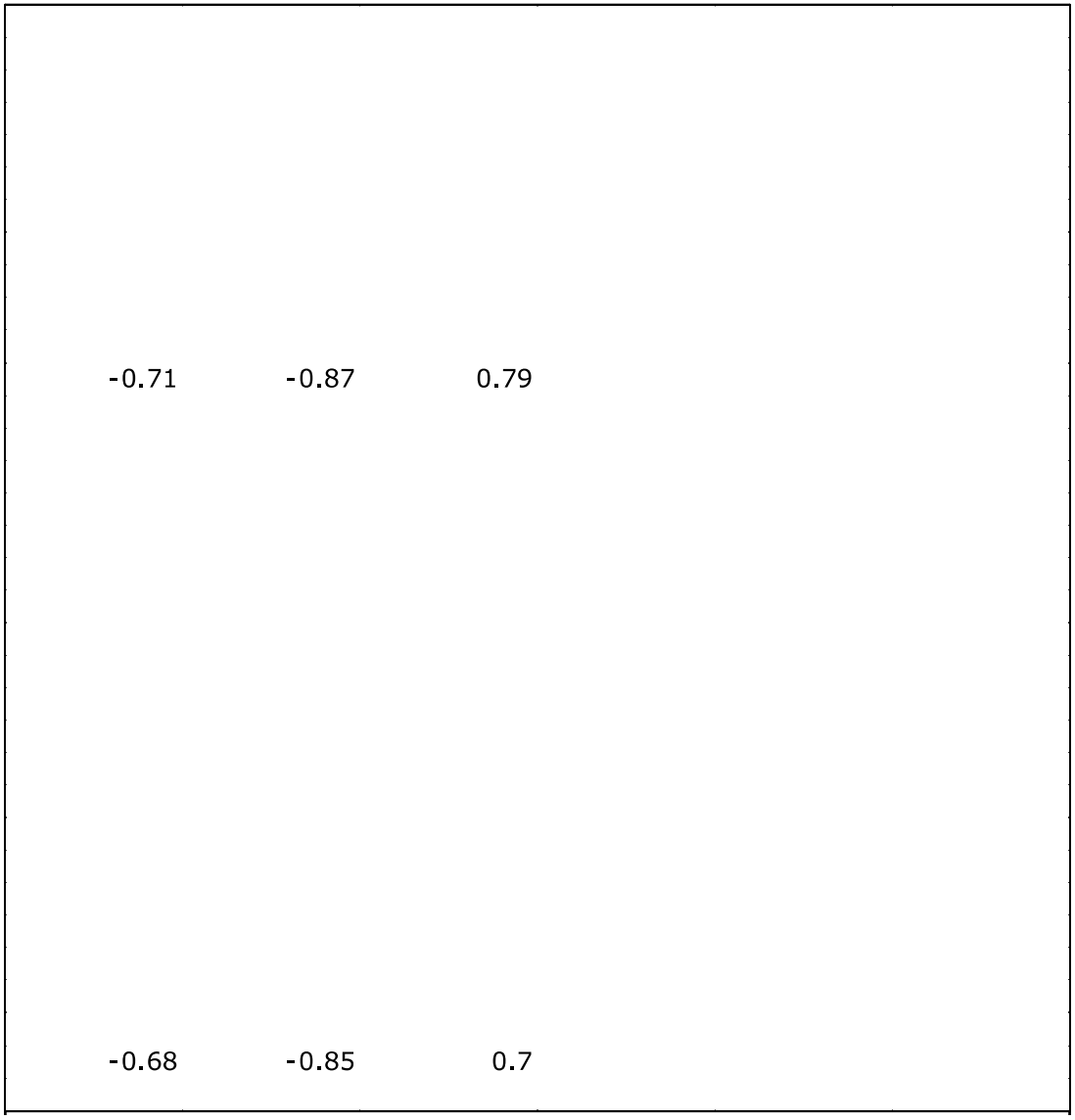
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E	6.62	1.89009537	15.3	76.5	0.98				
F	4.89	1.5871923	52	208	1.789				
G	6.28	1.83736998	11.7	11.7	0.864				
H	1.5	0.40546511	38.3	536.2	0.98				
I	9.22	2.22137504	32.3	64.6	2.315				
K	8.56	2.14710019	30.3	242.4	1.789				
L	10.7	2.37024374	27.3	54.6	2.426				
M	1.83	0.60431597	34.3	445.9	0.612				
N	6.56	1.8809906	14.7	147	1.789				
P	3.62	1.28647403	20.3	60.9	0.864				
Q	2.99	1.09527339	16.3	130.4	0.98				
R	3.92	1.36609165	27.3	109.2	1.617				
S	7.72	2.04381436	11.7	70.2	2.079				
T	4.46	1.49514877	18.7	112.2	1.673				
V	5.25	1.65822808	23.3	46.6	1.673				
W	1.25	0.22314355	74.3	891.6	-0.198				
Y	2.87	1.05431203	50	350	1.789				
A	7.87	2.06305806	11.7	11.7	1.77	W. succinoge	0.48	-0.41	-0.5
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D	4.33	1.46556754	12.7	114.3	1.138				
E	8.25	2.1102132	15.3	76.5	1.138				
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G	7.09	1.95868534	11.7	11.7	1.77				
H	2.07	0.72754861	38.3	536.2	1.138				
I	7.12	1.96290773	32.3	64.6	1.616				
K	6.76	1.91102289	30.3	242.4	1.2				
L	11.5	2.44234704	27.3	54.6	2.258				
M	2.47	0.90421815	34.3	445.9	0.476				
N	3.43	1.23256026	14.7	147	1.2				
P	3.72	1.31372367	20.3	60.9	1.77				
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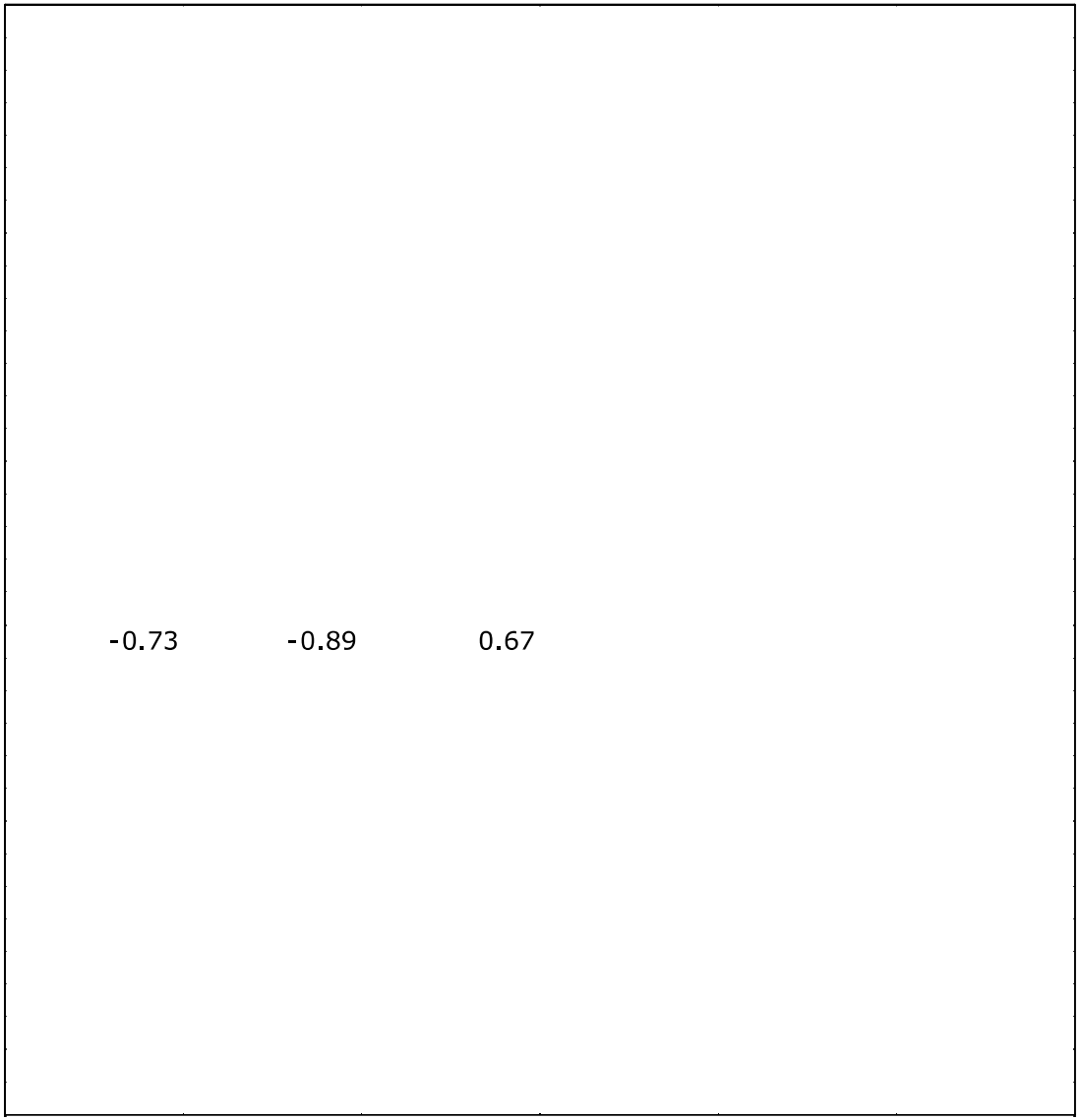
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V	5.86	1.7681496	23.3	46.6	1.832				
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Y	3.31	1.19694819	50	350	1.2				
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C	1.1	9.53E-02	24.7	741	1.119				
D	5.23	1.65441128	12.7	114.3	1.119				
E	5.91	1.77664583	15.3	76.5	1.119				
F	3.92	1.36609165	52	208	1.407				
G	6.8	1.91692261	11.7	11.7	1.523				
H	2.38	0.86710049	38.3	536.2	1.119				
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K	5.19	1.6467337	30.3	242.4	1.407				
L	10.5	2.35137526	27.3	54.6	2.323				
M	2.42	0.88376754	34.3	445.9	0.56				
N	4.66	1.53901545	14.7	147	1.407				
P	4.2	1.43508453	20.3	60.9	1.523				
Q	4.72	1.5518088	16.3	130.4	1.119				
R	5.12	1.63315444	27.3	109.2	2.034				
S	6.49	1.87026253	11.7	70.2	2.217				
T	5.41	1.68824909	18.7	112.2	1.812				
V	6.36	1.85002838	23.3	46.6	1.812				
W	1.35	0.30010459	74.3	891.6	0.271				
Y	3.26	1.18172719	50	350	1.407				
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C	1.04	3.92E-02	24.7	741	1.131				
D	5.5	1.70474809	12.7	114.3	1.131				
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F	4.19	1.43270073	52	208	1.317				
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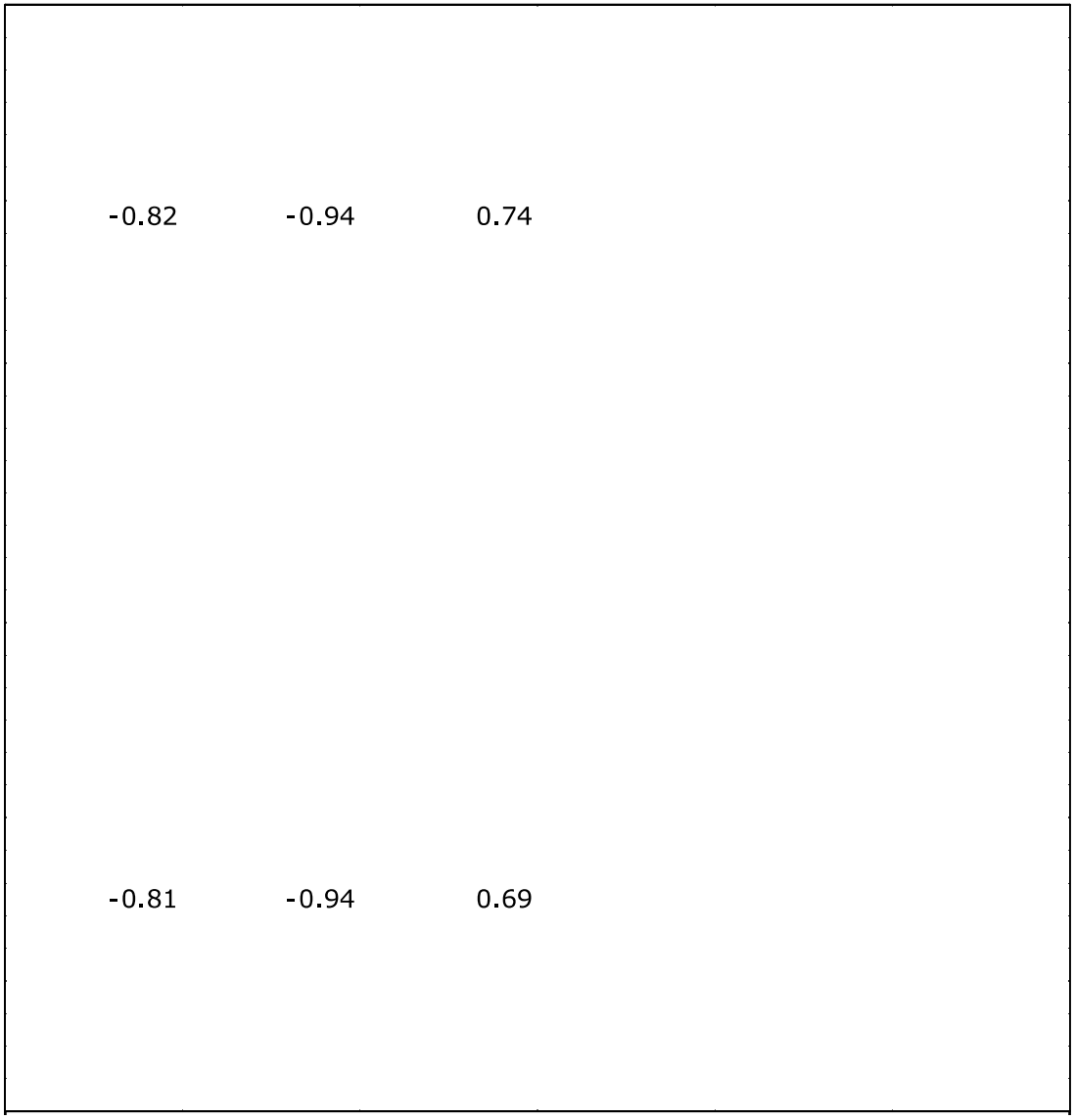
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L	10.1	2.31253542	27.3	54.6	2.295				
M	2.74	1.00795792	34.3	445.9	0.526				
N	4.26	1.44926916	14.7	147	1.317				
P	3.89	1.35840916	20.3	60.9	1.638				
Q	4.53	1.51072194	16.3	130.4	1.131				
R	4.47	1.49738841	27.3	109.2	2.11				
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V	7.19	1.97269117	23.3	46.6	1.824				
W	1.23	0.20701417	74.3	891.6	0.341				
Y	3.04	1.11185752	50	350	1.317				
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C	1.07	6.77E-02	24.7	741	1.135				
D	5.26	1.66013103	12.7	114.3	1.135				
E	6.36	1.85002838	15.3	76.5	1.135				
F	4.18	1.43031125	52	208	1.268				
G	6.68	1.89911799	11.7	11.7	1.696				
H	2.36	0.85866162	38.3	536.2	1.135				
I	6.06	1.8017098	32.3	64.6	1.695				
K	5.18	1.64480506	30.3	242.4	1.268				
L	10.4	2.34180581	27.3	54.6	2.28				
M	2.75	1.01160091	34.3	445.9	0.506				
N	4.11	1.41342303	14.7	147	1.268				
P	3.84	1.34547237	20.3	60.9	1.696				
Q	4.89	1.5871923	16.3	130.4	1.135				
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T	5.26	1.66013103	18.7	112.2	1.828				
V	7.03	1.95018671	23.3	46.6	1.828				
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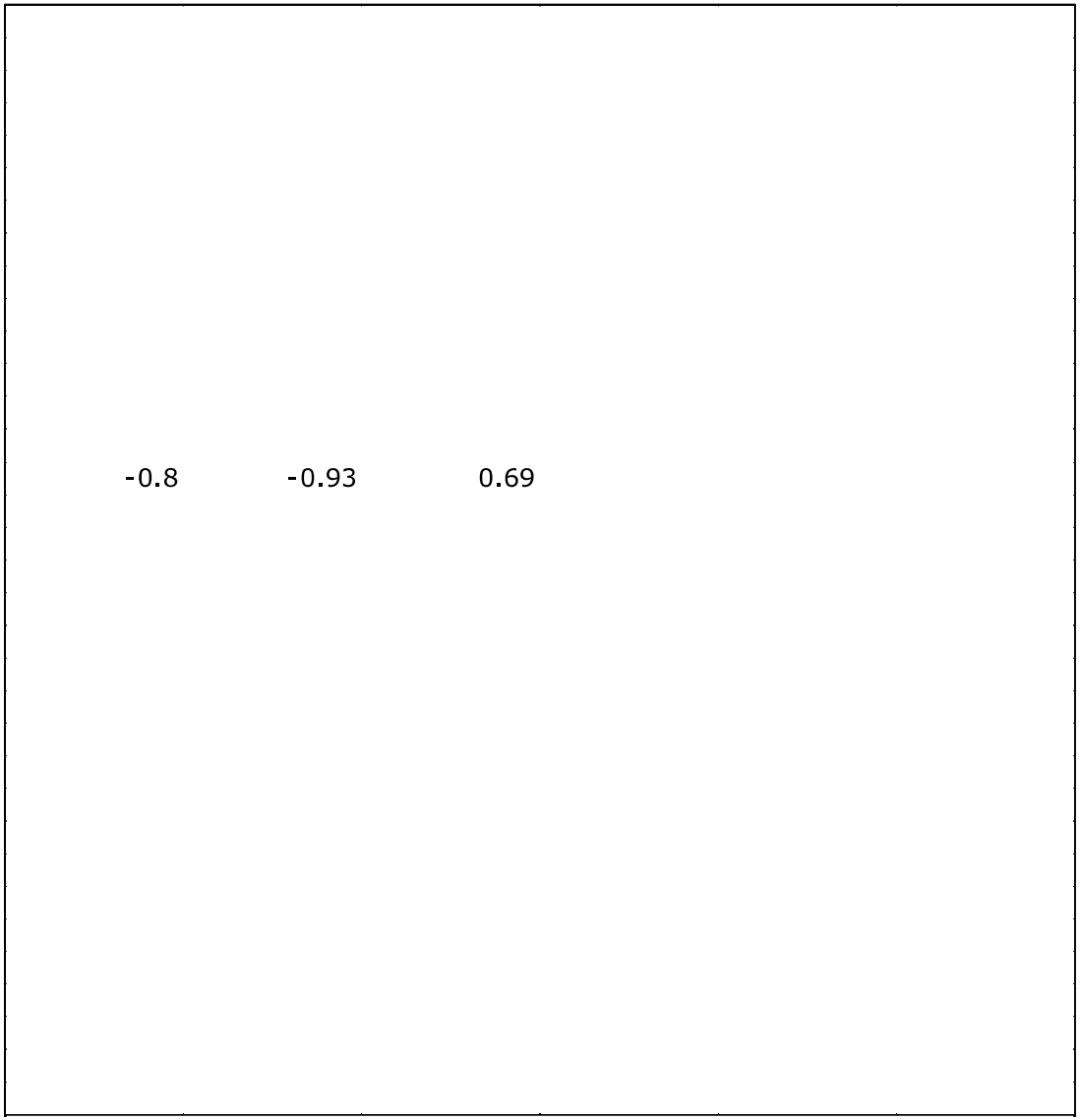
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D	3.58	1.2753628	12.7	114.3	0.976				
E	8.61	2.15292432	15.3	76.5	0.976				
F	3.78	1.32972401	52	208	0.157				
G	9.29	2.22893855	11.7	11.7	2.489				
H	1.87	0.62593843	38.3	536.2	0.976				
I	2.68	0.9858168	32.3	64.6	0.424				
K	3.62	1.28647403	30.3	242.4	0.157				
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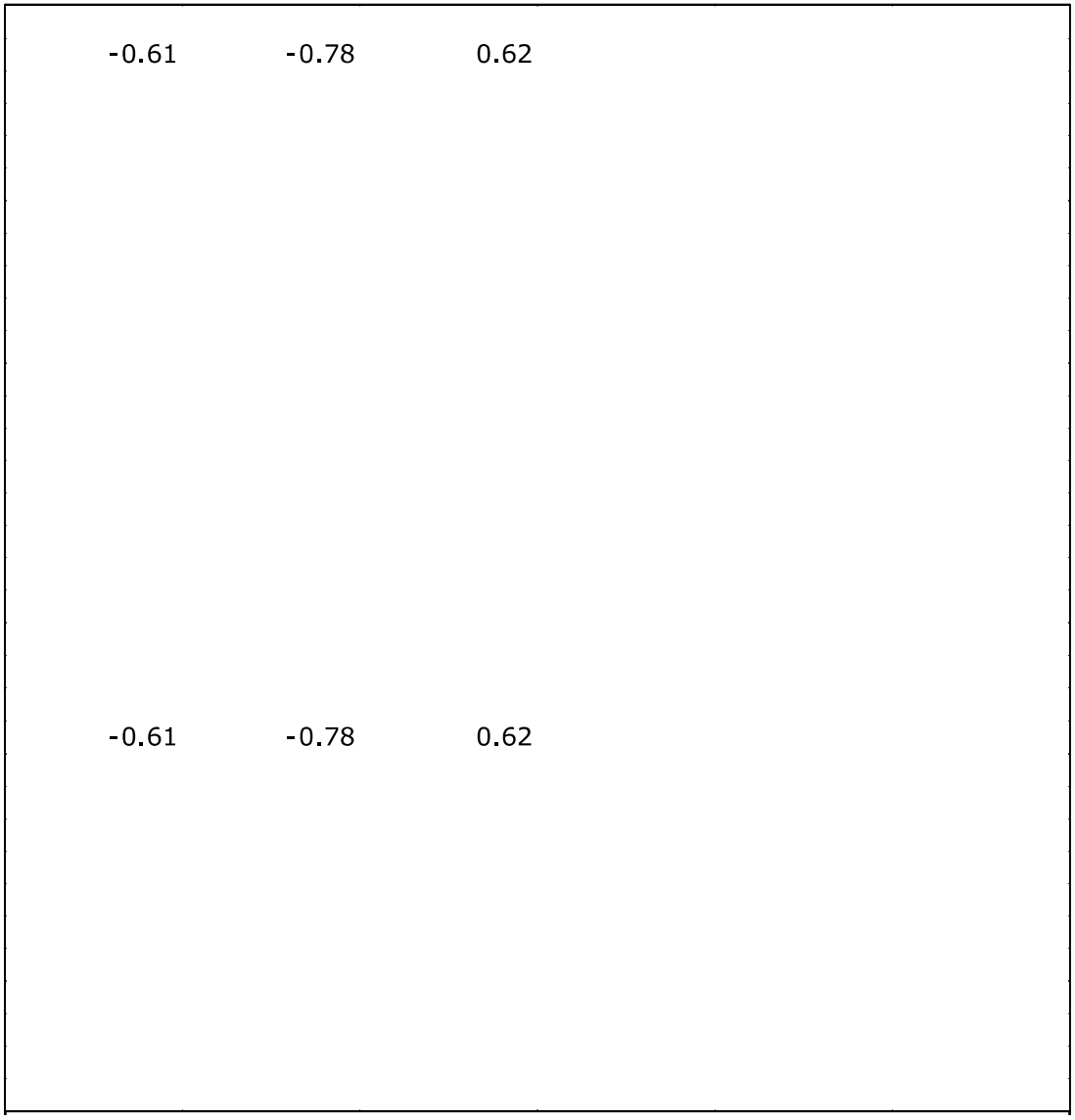
M	1.56	0.44468582	34.3	445.9	-0.208				
N	1.55	0.43825493	14.7	147	0.157				
P	6.46	1.86562932	20.3	60.9	2.489				
Q	2.46	0.90016135	16.3	130.4	0.976				
R	8.46	2.13534917	27.3	109.2	2.688				
S	3.39	1.22082992	11.7	70.2	2.075				
T	3.76	1.32441896	18.7	112.2	1.669				
V	8.14	2.09679018	23.3	46.6	1.669				
W	1.31	0.27002714	74.3	891.6	0.611				
Y	2.87	1.05431203	50	350	0.157				
A	11.5	2.44234704	11.7	11.7	2.491	Thermus-ther	0.7	-0.35	-0.35
C	0.39	-0.9416085	24.7	741	0.974				
D	3.59	1.2781522	12.7	114.3	0.974				
E	8.65	2.15755932	15.3	76.5	0.974				
F	3.76	1.32441896	52	208	0.151				
G	9.29	2.22893855	11.7	11.7	2.491				
H	1.86	0.62057649	38.3	536.2	0.974				
I	2.67	0.98207847	32.3	64.6	0.417				
K	3.61	1.28370777	30.3	242.4	0.151				
L	14.5	2.67414865	27.3	54.6	1.866				
M	1.55	0.43825493	34.3	445.9	-0.213				
N	1.55	0.43825493	14.7	147	0.151				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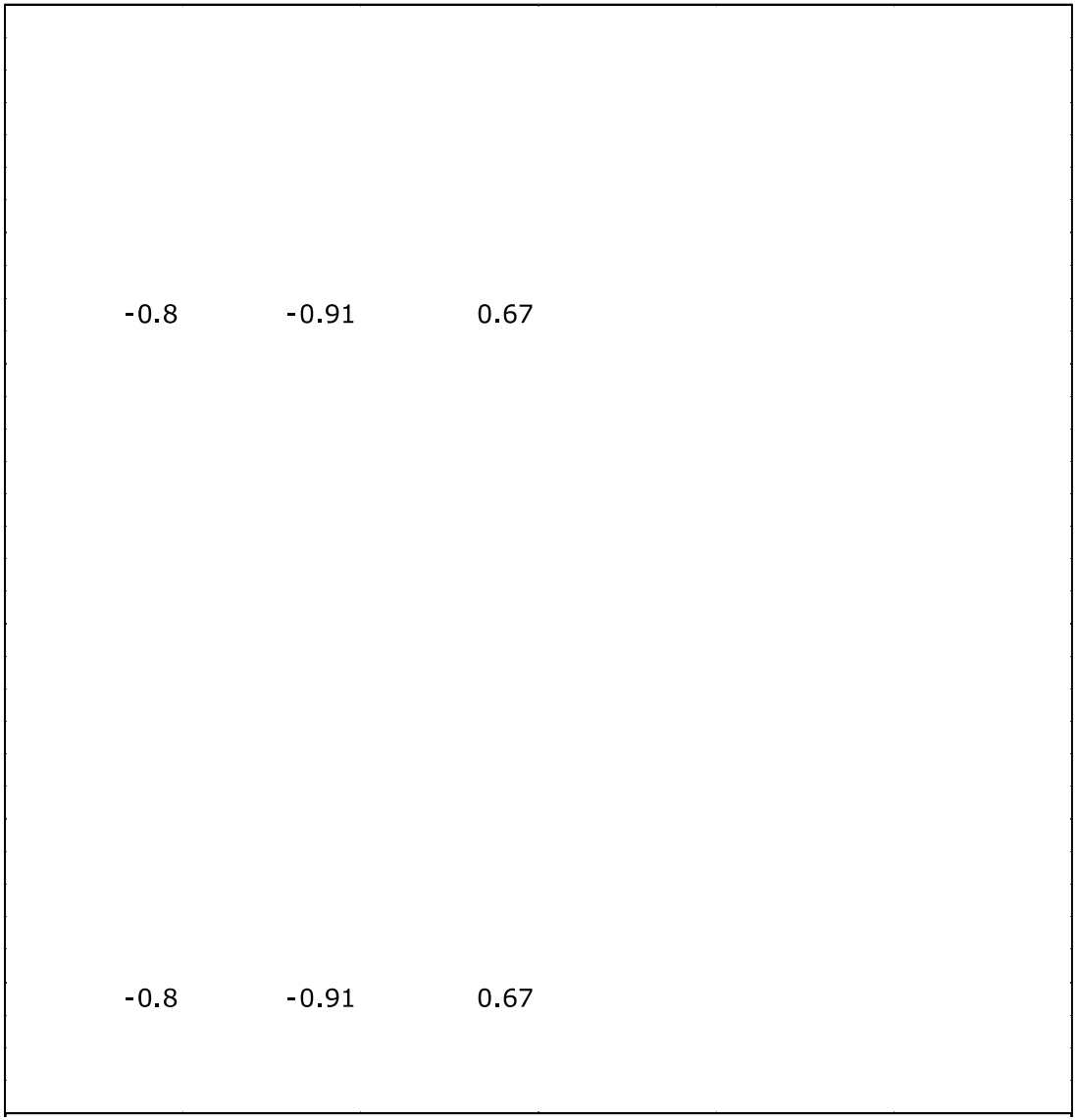
P	6.52	1.87487438	20.3	60.9	2.491				
Q	2.44	0.89199804	16.3	130.4	0.974				
R	8.5	2.14006616	27.3	109.2	2.69				
S	3.41	1.22671229	11.7	70.2	2.073				
T	3.75	1.32175584	18.7	112.2	1.668				
V	8.14	2.09679018	23.3	46.6	1.668				
W	1.32	0.27763174	74.3	891.6	0.611				
Y	2.87	1.05431203	50	350	0.151				
A	7.36	1.99605993	11.7	11.7	1.34	S. thermophil	0.39	-0.47	-0.5
C	0.58	-0.5447272	24.7	741	1.091				
D	5.79	1.75613229	12.7	114.3	1.091				
E	6.79	1.91545094	15.3	76.5	1.091				
F	4.63	1.53255687	52	208	1.535				
G	6.55	1.87946505	11.7	11.7	1.34				
H	1.91	0.64710324	38.3	536.2	1.091				
I	7.41	2.00283044	32.3	64.6	2.01				
K	6.95	1.93874166	30.3	242.4	1.535				
L	9.94	2.29656702	27.3	54.6	2.36				
M	2.56	0.94000726	34.3	445.9	0.595				
N	4.62	1.53039471	14.7	147	1.535				
P	3.27	1.18478999	20.3	60.9	1.34				
Q	3.76	1.32441896	16.3	130.4	1.091				
R	4.14	1.42069579	27.3	109.2	1.916				
S	6.27	1.83577636	11.7	70.2	2.189				
T	5.69	1.73871025	18.7	112.2	1.784				
V	7.05	1.95302762	23.3	46.6	1.784				
W	0.84	-0.1743534	74.3	891.6	0.151				
Y	3.78	1.32972401	50	350	1.535				
A	7.37	1.99741771	11.7	11.7	1.34	S. thermophil	0.39	-0.47	-0.5
C	0.58	-0.5447272	24.7	741	1.091				
D	5.82	1.76130026	12.7	114.3	1.091				
E	6.8	1.91692261	15.3	76.5	1.091				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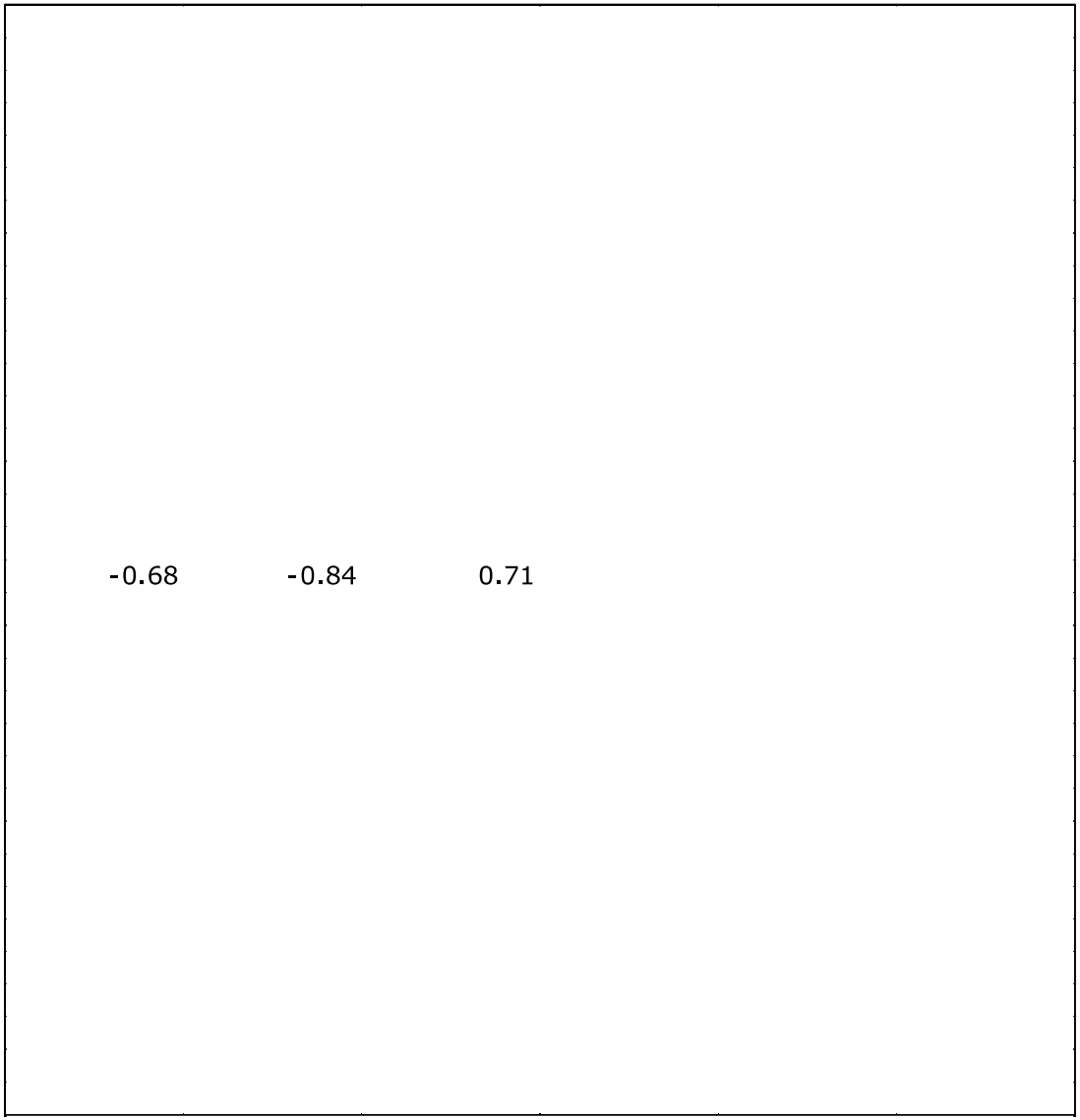
F	4.6	1.5260563	52	208	1.534				
G	6.53	1.87640694	11.7	11.7	1.34				
H	1.91	0.64710324	38.3	536.2	1.091				
I	7.41	2.00283044	32.3	64.6	2.01				
K	6.96	1.94017947	30.3	242.4	1.534				
L	9.93	2.29556048	27.3	54.6	2.36				
M	2.57	0.9439059	34.3	445.9	0.595				
N	4.62	1.53039471	14.7	147	1.534				
P	3.25	1.178655	20.3	60.9	1.34				
Q	3.76	1.32441896	16.3	130.4	1.091				
R	4.16	1.42551507	27.3	109.2	1.916				
S	6.27	1.83577636	11.7	70.2	2.189				
T	5.68	1.73695123	18.7	112.2	1.784				
V	7.07	1.95586048	23.3	46.6	1.784				
W	0.84	-0.1743534	74.3	891.6	0.151				
Y	3.77	1.327075	50	350	1.534				
A	12	2.48490665	11.7	11.7	2.467	S. thermophil	0.69	-0.46	-0.5
C	0.87	-0.1392621	24.7	741	0.989				
D	4.86	1.58103844	12.7	114.3	0.989				
E	6.6	1.88706965	15.3	76.5	0.989				
F	3.1	1.13140211	52	208	0.205				
G	8.98	2.19499988	11.7	11.7	2.467				
H	1.97	0.67803354	38.3	536.2	0.989				
I	4.38	1.47704872	32.3	64.6	0.477				
K	2.5	0.91629073	30.3	242.4	0.205				
L	10.9	2.38876279	27.3	54.6	1.888				
M	2.25	0.81093022	34.3	445.9	-0.171				
N	2.07	0.72754861	14.7	147	0.205				
P	5.79	1.75613229	20.3	60.9	2.467				
Q	3.42	1.22964055	16.3	130.4	0.989				
R	8.36	2.12345843	27.3	109.2	2.673				
S	4.3	1.45861502	11.7	70.2	2.088				
T	4.96	1.60140574	18.7	112.2	1.682				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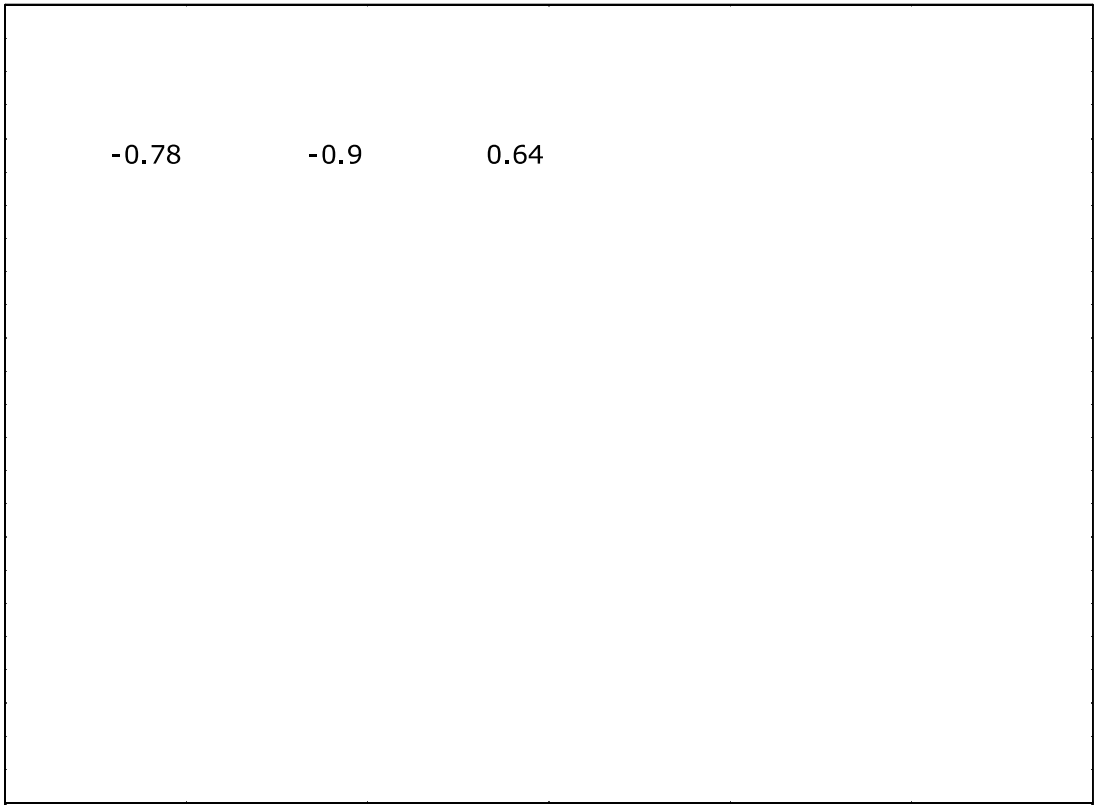
V	8.49	2.138889	23.3	46.6	1.682				
W	1.45	0.37156356	74.3	891.6	0.613				
Y	2.51	0.92028275	50	350	0.205				
A	9.23	2.22245905	11.7	11.7	1.91	G. kaustophilu	0.52	-0.46	-0.49
C	0.86	-0.1508229	24.7	741	1.138				
D	4.85	1.57897871	12.7	114.3	1.138				
E	7.41	2.00283044	15.3	76.5	1.138				
F	4.16	1.42551507	52	208	1.059				
G	7.23	1.97823904	11.7	11.7	1.91				
H	2.32	0.84156719	38.3	536.2	1.138				
I	6.36	1.85002838	32.3	64.6	1.451				
K	5.62	1.72633166	30.3	242.4	1.059				
L	9.94	2.29656702	27.3	54.6	2.211				
M	2.66	0.97832612	34.3	445.9	0.404				
N	3.08	1.1249296	14.7	147	1.059				
P	4.27	1.45161383	20.3	60.9	1.91				
Q	3.66	1.29746315	16.3	130.4	1.138				
R	6.09	1.80664808	27.3	109.2	2.29				
S	4.91	1.59127394	11.7	70.2	2.236				
T	4.97	1.60341984	18.7	112.2	1.831				
V	7.62	2.03077637	23.3	46.6	1.831				
W	1.29	0.25464222	74.3	891.6	0.484				
Y	3.36	1.21194097	50	350	1.059				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