Modell	Rückenlehne	Dichtefaktor	Rückenlehnenteil	CNCAP_NIC_min
VW313_2CM	KEB47	0.5	WL_SP04	-28.40139247
VW313_2CM	KEB47	0.5	WL_SP06	-30.84172515
VW313_2CM	KEB47	0.6	WL_SP04	-28.47245742
VW313_2CM	KEB47	0.6	WL_SP06	-30.78454924
VW313_2CM	KEB47	0.7	WL_SP04	-28.33643924
VW313_2CM	KEB47	0.7	WL_SP06	-30.80189292
VW313_2CM	KEB47	0.8	WL_SP04	-28.24281816
VW313_2CM	KEB47	0.8	WL_SP06	-30.73907303
VW313_2CM	KEB47	0.9	WL_SP04	-28.21813702
VW313_2CM	KEB47	0.9	WL_SP06	-30.5328481
VW313_2CM	KEB47	1	WL_SP04	-28.0810642
VW313_2CM	KEB47	1	WL_SP06	-30.67954571
VW313_2CM	KEB47	1.1	WL_SP04	-28.01445877
VW313_2CM	KEB47	1.1	WL_SP06	-30.5203187
VW313_2CM	KEB47	1.2	WL_SP04	-27.92088629
VW313_2CM	KEB47	1.2	WL_SP06	-30.37822305
VW313_2CM	KEB47	1.3	WL_SP04	-27.82591591
VW313_2CM	KEB47	1.3	WL_SP06	-30.24946377
VW313_2CM	KEB47	1.4	WL_SP04	-27.85854067
VW313_2CM	KEB47	1.4	WL_SP06	-30.49266728
VW313_2CM	KEB47	1.5	WL_SP04	-27.64612113
VW313_2CM	KEB47	1.5	WL_SP06	-30.32513101
VW313_2CM	KEB47	1.6	WL_SP04	-27.6131776
VW313_2CM	KEB47	1.6	WL_SP06	-30.22891044
VW313_2CM	KEB47	1.7	WL_SP04	-27.35057808
VW313_2CM	KEB47	1.7	WL_SP06	-30.05477209
VW313_2CM	KEB47	1.8	WL_SP04	-27.31737939
VW313_2CM	KEB47	1.8	WL_SP06	-30.27633173
VW313_2CM	KEB47	1.9	WL_SP04	-27.24065251
VW313_2CM	KEB47	1.9	WL_SP06	-30.11691988
VW313_2CM	KEB47	2	WL_SP04	-27.02165743
VW313_2CM	KEB47	2	WL_SP06	-30.24658055
VW313_2CM	KEB47	2.1	WL_SP04	-27.0314379
VW313_2CM	KEB47	2.1	WL_SP06	-29.77324674
VW313_2CM	KEB47	2.2	WL_SP04	-26.5767731
VW313_2CM	KEB47	2.2	WL_SP06	-29.57800565
VW313_2CM	KEB47	2.3	WL_SP04	-26.51686041
VW313_2CM	KEB47	2.3	WL_SP06	-29.6732567
VW313_2CM	KEB47	2.4	WL_SP04	-26.19747583
VW313_2CM	KEB47	2.4	WL_SP06	-29.32146749
VW313_2CM	KEB47	2.5	WL_SP04	-26.19289264
VW313_2CM	KEB47	2.5	WL_SP06	-29.15588455
VW313_2CM	KEB47	2.6	WL_SP04	-25.74410134
VW313_2CM	KEB47	2.6	WL_SP06	-29.15789551
VW313_2CM	KEB47	2.7	WL_SP04	-25.54714862
VW313_2CM	KEB47	2.7	WL_SP06	-29.13727514

VW313_2CM	KEB47	2.8	WL_SP04	-25.58669712
VW313_2CM	KEB47	2.8	WL_SP06	-28.91068871
VW313_2CM	KEB47	2.9	WL_SP04	-25.68743104
VW313_2CM	KEB47	2.9	WL_SP06	-28.95677072
VW313_2CM	KEB47	3	WL_SP04	-25.3665495
VW313_2CM	KEB47	3	WL_SP06	-28.94421684
VW313_2CM	KEB47	3.1	WL_SP04	-25.41643136
VW313_2CM	KEB47	3.1	WL_SP06	-28.98500266
VW313_2CM	KEB47	3.2	WL_SP04	-24.88557317
VW313_2CM	KEB47	3.2	WL_SP06	-28.97865042
VW313_2CM	KEB47	3.3	WL_SP04	-25.23389134
VW313_2CM	KEB47	3.3	WL_SP06	-28.76096103
VW313_2CM	KEB47	3.4	WL_SP04	-24.90105988
VW313_2CM	KEB47	3.4	WL_SP06	-28.57840245
VW313_2CM	KEB47	3.5	WL_SP04	-24.54600857
VW313_2CM	KEB47	3.5	WL_SP06	-28.76820542
VW313_2CM	KEB47	3.6	WL_SP04	-24.53556511
VW313_2CM	KEB47	3.6	WL_SP06	-28.78213582
VW313_2CM	KEB47	3.7	WL_SP04	-24.75752665
VW313_2CM	KEB47	3.7	WL_SP06	-28.42154484
VW313_2CM	KEB47	3.8	WL_SP04	-24.4796869
VW313_2CM	KEB47	3.8	WL_SP06	-28.31282988
VW313_2CM	KEB47	3.9	WL_SP04	-24.3287791
VW313_2CM	KEB47	3.9	WL_SP06	-28.23261355
VW313_2CM	KEB47	4	WL_SP04	-24.35930186
VW313_2CM	KEB47	4	WL_SP06	-28.31068339
VW313_2CM	KEB47	4.1	WL_SP04	-24.30584517
VW313_2CM	KEB47	4.1	WL_SP06	-28.22544439
VW313_2CM	KEB47	4.2	WL_SP04	-24.33766157
VW313_2CM	KEB47	4.2	WL_SP06	-28.3776051
VW313_2CM	KEB47	4.3	WL_SP04	-24.21327705
VW313_2CM	KEB47	4.3	WL_SP06	-28.18801811
VW313_2CM	KEB47	4.4	WL_SP04	-24.33417182
VW313_2CM	KEB47	4.4	WL_SP06	-27.96619752
VW313_2CM	KEB47	4.5	WL_SP04	-24.54438827
VW313_2CM	KEB47	4.5	WL_SP06	-27.89636414
VW313_2CM	KEB47	4.6	WL_SP04	-24.57969978
VW313_2CM	KEB47	4.6	WL_SP06	-27.73574738
VW313_2CM	KEB47	4.7	WL_SP04	-24.95880249
VW313_2CM	KEB47	4.7	WL_SP06	-27.63575196
VW313_2CM	KEB47	4.8	WL_SP04	-25.18116914
VW313_2CM	KEB47	4.8	WL_SP06	-27.29884989
VW313_2CM	KEB47	4.9	WL_SP04	-25.34096555
VW313_2CM	KEB47	4.9	WL_SP06	-27.25042138
VW313_2CM	KEB47	5	WL_SP04	-25.72008043
VW313_2CM	KEB47	5	WL_SP06	-27.22982387
VW313_2CM	KEB47	5.1	WL_SP04	-26.01769096

VW313_2CM	KEB47	5.1 WL_SP06	-26.97480865
VW313_2CM	KEB47	5.2 WL_SP04	-26.14771662
VW313_2CM	KEB47	5.2 WL_SP06	-27.02140633
VW313_2CM	KEB47	5.3 WL_SP04	-26.20376306
VW313_2CM	KEB47	5.3 WL_SP06	-26.668143
VW313_2CM	KEB47	5.4 WL_SP04	-26.49276215
VW313_2CM	KEB47	5.4 WL_SP06	-26.63039442
VW313_2CM	KEB47	5.5 WL_SP04	-26.49385633
VW313_2CM	KEB47	5.5 WL_SP06	-26.68959678
VW313_2CM	KEB47	5.6 WL_SP04	-26.61979322
VW313_2CM	KEB47	5.6 WL_SP06	-26.63575473
VW313_2CM	KEB47	5.7 WL_SP04	-27.14531543
VW313_2CM	KEB47	5.7 WL_SP06	-26.63655921
VW313_2CM	KEB47	5.8 WL_SP04	-27.1492992
VW313_2CM	KEB47	5.8 WL_SP06	-26.71031189
VW313_2CM	KEB47	5.9 WL_SP04	-27.30355073
VW313_2CM	KEB47	5.9 WL_SP06	-27.09398243
VW313_2CM	KEB47	6 WL_SP04	-27.43294907
VW313_2CM	KEB47	6 WL_SP06	-27.07027031
VW313_2CM	KEB47	6.1 WL_SP04	-27.6970164
VW313_2CM	KEB47	6.1 WL_SP06	-27.05282071
VW313_2CM	KEB47	6.2 WL_SP04	-28.22521837
VW313_2CM	KEB47	6.2 WL_SP06	-27.24003577
VW313_2CM	KEB47	6.3 WL_SP04	-28.25122067
VW313_2CM	KEB47	6.3 WL_SP06	-27.3944725
VW313_2CM	KEB47	6.4 WL_SP04	-28.39537566
VW313_2CM	KEB47	6.4 WL_SP06	-27.84375039
VW313_2CM	KEB47	6.5 WL_SP04	-28.14552832
VW313_2CM	KEB47	6.5 WL_SP06	-27.89106446
VW313_2CM	KEB47	6.6 WL_SP04	-28.32529162
VW313_2CM	KEB47	6.6 WL_SP06	-27.94885525
VW313_2CM	KEB47	6.7 WL_SP04	-28.34770035
VW313_2CM	KEB47	6.7 WL_SP06	-28.03165784
VW313_2CM	KEB47	6.8 WL_SP04	-28.13335573
VW313_2CM	KEB47	6.8 WL_SP06	-28.29423811
VW313_2CM	KEB47	6.9 WL_SP04	-28.61873938
VW313_2CM	KEB47	6.9 WL_SP06	-28.45173772
VW313_2CM	KEB47	7 WL_SP04	-28.6232739
VW313_2CM	KEB47	7 WL_SP06	-28.58581826
VW316_8_AP	KEB23	0.5 WL_SP04	-20.94365487
VW316_8_AP	KEB23	0.5 WL_SP06	-25.02763305
VW316_8_AP	KEB23	0.6 WL_SP04	-21.03149244
VW316_8_AP	KEB23	0.6 WL_SP06	-25.06553763
VW316_8_AP	KEB23	0.7 WL_SP04	-21.03115545
VW316_8_AP	KEB23	0.7 WL_SP06	-25.05840595
VW316_8_AP	KEB23	0.8 WL_SP04	-21.1248188
VW316_8_AP	KEB23	0.8 WL_SP06	-25.0748759

VW316_8_AP	KEB23	0.9	WL_SP04	-21.02907962
VW316_8_AP	KEB23	0.9	WL_SP06	-25.04354735
VW316_8_AP	KEB23	1	WL_SP04	-20.99318089
VW316_8_AP	KEB23	1	WL_SP06	-25.03133208
VW316_8_AP	KEB23	1.1	WL_SP04	-21.14542241
VW316_8_AP	KEB23	1.1	WL_SP06	-25.05763682
VW316_8_AP	KEB23	1.2	WL_SP04	-21.13533582
VW316_8_AP	KEB23	1.2	WL_SP06	-25.16974092
VW316_8_AP	KEB23	1.3	WL_SP04	-21.23809661
VW316_8_AP	KEB23	1.3	WL_SP06	-25.19473117
VW316_8_AP	KEB23	1.4	WL_SP04	-21.42889943
VW316_8_AP	KEB23	1.4	WL_SP06	-25.22785962
VW316_8_AP	KEB23	1.5	WL_SP04	-21.37929842
VW316_8_AP	KEB23	1.5	WL_SP06	-25.25757763
VW316_8_AP	KEB23	1.6	WL_SP04	-21.2761038
VW316_8_AP	KEB23	1.6	WL_SP06	-25.31186513
VW316_8_AP	KEB23	1.7	WL_SP04	-21.33553273
VW316_8_AP	KEB23	1.7	WL_SP06	-25.36188245
VW316_8_AP	KEB23	1.8	WL_SP04	-21.3188127
VW316_8_AP	KEB23	1.8	WL_SP06	-25.41083529
VW316_8_AP	KEB23	1.9	WL_SP04	-21.34517499
VW316_8_AP	KEB23	1.9	WL_SP06	-25.17905563
VW316_8_AP	KEB23	2	WL_SP04	-21.47419929
VW316_8_AP	KEB23	2	WL_SP06	-25.07949923
VW316_8_AP	KEB23	2.1	WL_SP04	-21.92001005
VW316_8_AP	KEB23	2.1	WL_SP06	-24.92138504
VW316_8_AP	KEB23	2.2	WL_SP04	-21.90981322
VW316_8_AP	KEB23	2.2	WL_SP06	-24.85941196
VW316_8_AP	KEB23	2.3	WL_SP04	-22.11185175
VW316_8_AP	KEB23	2.3	WL_SP06	-24.80722454
VW316_8_AP	KEB23	2.4	WL_SP04	-21.94210192
VW316_8_AP	KEB23	2.4	WL_SP06	-24.83817442
VW316_8_AP	KEB23	2.5	WL_SP04	-21.88394858
VW316_8_AP	KEB23	2.5	WL_SP06	-24.73178005
VW316_8_AP	KEB23	2.6	WL_SP04	-21.8795036
VW316_8_AP	KEB23	2.6	WL_SP06	-24.71290613
VW316_8_AP	KEB23	2.7	WL_SP04	-21.82485423
VW316_8_AP	KEB23	2.7	WL_SP06	-24.8020816
VW316_8_AP	KEB23	2.8	WL_SP04	-21.7403391
VW316_8_AP	KEB23	2.8	WL_SP06	-24.57039945
VW316_8_AP	KEB23	2.9	WL_SP04	-21.63691957
VW316_8_AP	KEB23	2.9	WL_SP06	-24.45150764
VW316_8_AP	KEB23	3	WL_SP04	-21.59045616
VW316_8_AP	KEB23	3	WL_SP06	-24.40850314
VW316_8_AP	KEB23	3.1	WL_SP04	-21.51122785
VW316_8_AP	KEB23	3.1	WL_SP06	-24.25380897
VW316_8_AP	KEB23	3.2	WL_SP04	-21.36530228

VW316_8_AP	KEB23	3.2 WL_SP06	-24.2156292
VW316_8_AP	KEB23	3.3 WL_SP04	-21.25750029
VW316_8_AP	KEB23	3.3 WL_SP06	-24.01207174
VW316_8_AP	KEB23	3.4 WL_SP04	-21.15718671
VW316_8_AP	KEB23	3.4 WL_SP06	-23.9584649
VW316_8_AP	KEB23	3.5 WL_SP04	-20.92558539
VW316_8_AP	KEB23	3.5 WL_SP06	-23.84083577
VW316_8_AP	KEB23	3.6 WL_SP04	-20.69115606
VW316_8_AP	KEB23	3.6 WL_SP06	-23.650198
VW316_8_AP	KEB23	3.7 WL_SP04	-20.54268249
VW316_8_AP	KEB23	3.7 WL_SP06	-23.69782245
VW316_8_AP	KEB23	3.8 WL_SP04	-20.56490392
VW316_8_AP	KEB23	3.8 WL_SP06	-23.72756456
VW316_8_AP	KEB23	3.9 WL_SP04	-20.50257837
VW316_8_AP	KEB23	3.9 WL_SP06	-23.79226052
VW316_8_AP	KEB23	4 WL_SP04	-20.70268934
VW316_8_AP	KEB23	4 WL_SP06	-23.759906
VW316_8_AP	KEB23	4.1 WL_SP04	-20.58166253
VW316_8_AP	KEB23	4.1 WL_SP06	-23.85824354
VW316_8_AP	KEB23	4.2 WL_SP04	-20.68872825
VW316_8_AP	KEB23	4.2 WL_SP06	-23.83079887
VW316_8_AP	KEB23	4.3 WL_SP04	-20.82551377
VW316_8_AP	KEB23	4.3 WL_SP06	-24.05299274
VW316_8_AP	KEB23	4.4 WL_SP04	-20.79559336
VW316_8_AP	KEB23	4.4 WL_SP06	-23.97255413
VW316_8_AP	KEB23	4.5 WL_SP04	-20.93105524
VW316_8_AP	KEB23	4.5 WL_SP06	-24.12913563
VW316_8_AP	KEB23	4.6 WL_SP04	-20.86281657
VW316_8_AP	KEB23	4.6 WL_SP06	-24.14967475
VW316_8_AP	KEB23	4.7 WL_SP04	-20.99383745
VW316_8_AP	KEB23	4.7 WL_SP06	-24.57759126
VW316_8_AP	KEB23	4.8 WL_SP04	-20.91762881
VW316_8_AP	KEB23	4.8 WL_SP06	-24.30800469
VW316_8_AP	KEB23	4.9 WL_SP04	-20.84002752
VW316_8_AP	KEB23	4.9 WL_SP06	-24.67001196
VW316_8_AP	KEB23	5 WL_SP04	-20.78806875
VW316_8_AP	KEB23	5 WL_SP06	-24.64046504
VW316_8_AP	KEB23	5.1 WL_SP04	-20.68286118
VW316_8_AP	KEB23	5.1 WL_SP06	-24.63069155
VW316_8_AP	KEB23	5.2 WL_SP04	-20.38035328
VW316_8_AP	KEB23	5.2 WL_SP06	-24.72266174
VW316_8_AP	KEB23	5.3 WL_SP04	-20.32724501
VW316_8_AP	KEB23	5.3 WL_SP06	-24.77081059
VW316_8_AP	KEB23	5.4 WL_SP04	-20.04857489
VW316_8_AP	KEB23	5.4 WL_SP06	-24.85165119
VW316_8_AP	KEB23	5.5 WL_SP04	-19.81689079
VW316_8_AP	KEB23	5.5 WL_SP06	-24.8649345

VW316_8_AP KEB23	5.6	WL_SP04	-19.88423119
VW316_8_AP KEB23	5.6	WL_SP06	-25.00185045
VW316_8_AP KEB23	5.7	WL_SP04	-20.39311997
VW316_8_AP KEB23	5.7	WL_SP06	-24.9048968
VW316_8_AP KEB23	5.8	WL_SP04	-20.97388391
VW316_8_AP KEB23	5.8	WL_SP06	-24.94369472
VW316_8_AP KEB23	5.9	WL_SP04	-21.45262344
VW316_8_AP KEB23	5.9	WL_SP06	-24.97598435
VW316_8_AP KEB23	6	WL_SP04	-21.92212356
VW316_8_AP KEB23	6	WL_SP06	-24.97962258
VW316_8_AP KEB23	6.1	WL_SP04	-22.44106823
VW316_8_AP KEB23	6.1	WL_SP06	-25.12071457
VW316_8_AP KEB23	6.2	WL_SP04	-23.04903555
VW316_8_AP KEB23	6.2	WL_SP06	-25.09103391
VW316_8_AP KEB23	6.3	WL_SP04	-23.46147187
VW316_8_AP KEB23	6.3	WL_SP06	-25.2028135
VW316_8_AP KEB23	6.4	WL_SP04	-23.99465703
VW316_8_AP KEB23	6.4	WL_SP06	-25.30450495
VW316_8_AP KEB23	6.5	WL_SP04	-24.52186789
VW316_8_AP KEB23	6.5	WL_SP06	-25.48492486
VW316_8_AP KEB23	6.6	WL_SP04	-24.96620353
VW316_8_AP KEB23	6.6	WL_SP06	-25.44016563
VW316_8_AP KEB23	6.7	WL_SP04	-25.35501445
VW316_8_AP KEB23	6.7	WL_SP06	-25.64743171
VW316_8_AP KEB23	6.8	WL_SP04	-25.86344374
VW316_8_AP KEB23	6.8	WL_SP06	-25.6418089
VW316_8_AP KEB23	6.9	WL_SP04	-26.30715082
VW316_8_AP KEB23	6.9	WL_SP06	-25.89827973
VW316_8_AP KEB23	7	WL_SP04	-26.72824694
VW316_8_AP KEB23	7	WL_SP06	-25.80839443

CNCAP_NIC_max	CNCAP_Scheerkraft_max_index	CNCAP_Scheerkraft_min_index
12.65003225	0.082301842	-0.430880666
10.84268711	0.07223011	-0.386388182
12.50746027	0.082186123	-0.431847766
11.02141789	0.070746899	-0.388371781
12.36135034	0.082003706	-0.426855505
11.47050902	0.071276732	-0.391778678
12.65474743	0.081497047	-0.426605686
11.90762349	0.070730485	-0.395396888
13.0023147	0.081551656	-0.424482197
12.2880984	0.070341302	-0.3954034
13.39728617	0.081689131	-0.421685144
12.61033586	0.070321121	-0.402352155
13.80128008	0.082418706	-0.423408687
12.95262594	0.070723552	-0.406584308
14.15175007	0.082082019	-0.42158559
13.32188486	0.071216128	-0.410449505
14.4480831	0.082525192	-0.421987862
13.62375339	0.072474862	-0.415959879
14.9365152	0.082677094	-0.427422106
13.8617712	0.073040627	-0.417460784
15.35026883	0.082526159	-0.427314907
14.14973218	0.073382209	-0.420147762
15.66496543	0.082471208	-0.427122339
14.3561878	0.073349502	-0.421952382
16.0060715	0.082964227	-0.427041739
14.58323673	0.073632317	-0.425615952
16.31421727	0.083073588	-0.426263049
14.81441294	0.073688031	-0.426864832
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0.577775359	0.084485755
0.494269714	0.079361142
0.576274768	0.084485664
0.493737385	0.079361142
0.575618327	0.084485637
0.493001372	0.079361142
0.575609728	0.084485683
0.493703976	0.079361142
0.573271424	0.084485742
0.496611356	0.079361142
0.572699294	0.084485927
0.497152731	0.079361142
0.57071513	0.084486004
0.492547572	0.079361142
0.568949968	0.084485768
0.494612441	0.079361142
0.566328108	0.084485808
0.495871946	0.079361142
0.564756483	0.084485913
0.497163385	0.079361142
0.560796172	0.084485637
0.502342179	0.079361142
0.563979521	0.084485755
0.504922495	0.079361142
0.560330838	0.084485945
0.510865047	0.079361142
0.55761835	0.084485683
0.509333387	0.079361142
0.55634582	0.084485683
0.504983529	0.079361142
0.555017367	0.084485958

0.504965067	0.079361142
0.553665504	0.084485927
0.507095083	0.079361142
0.552833257	0.084485781
0.505813629	0.079361142
0.552869245	0.084485945
0.506249055	0.079361142
0.553379122	0.084485814
0.507333323	0.079361142
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0.512439296	0.079361142
0.560790404	0.084485874
0.516448125	0.079361142
0.56379722	0.084485677
0.517390504	0.079361142
0.565292343	0.084485723
0.517765686	0.079361142
0.565607205	0.084485854
0.515421763	0.079361142
0.564987957	0.084485781
0.51232946	0.079361142
0.563867882	0.0844859
0.511271521	0.079361142
0.566527709	0.084486018
0.509558677	0.079361142
0.567452565	0.084485781
0.507386491	0.079361142
0.566156641	0.084485755
0.502707571	0.079361142
0.565193325	0.084485854

CNCAP_Biegemoment_UN_OC_max_index	CNCAP_Biegemoment_UN_OC_min_index
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-15.55343498	-0.000306435
-14.09760172	-0.004885919
-15.49423071	-0.003748883
-14.06690119	-0.004885904
-15.25725973	-0.001663482
-14.09900309	-0.004885904
-15.02261777	-0.00395167
-14.1453688	0.001450074
-14.78658425	-0.00109523
-14.37645667	-0.004885919
-14.53968807	-0.000323891
-14.40174447	-0.003242437
-14.04435264	-0.000315797
-14.40105837	-0.004885919
-13.52555713	0.003675245
-14.49173917	0.004580988
-13.27208621	-0.00132965
-14.6450687	-0.004888035
-13.11089257	0.003332606
-14.92643587	-0.004885904
-12.75134908	-0.000403515
-14.61836597	-0.001487387
-12.48519671	-0.003779117
-14.57043262	-0.004885919
-12.32516793	0.002984236
-14.68221474	-0.00269344
-12.1980043	-0.003814665
-14.95984556	0.002963955
-12.04198197	0.003460373
-15.05258644	-0.004932335
-11.97208451	-0.002085327
-15.11152359	0.000753345
-11.72077484	-0.001321804
-15.1244942	0.003577003
-11.51975003	-0.002533445
-15.27908222	-0.001964025
-11.45104547	0.003455489
-15.3610777	-0.002381808
-11.29745688	0.002976371
-15.33540005	-0.004885919
-11.29422456	-0.000374088
-15.43893314	-0.004885873
-11.45554267	-0.000386783
-15.50537732	-0.00488802
-11.15162518	-0.000192784

-15.47223743	-0.004885918
-10.97697375	0.003279405
-15.84650918	-0.004932367
-10.97782713	0.003466302
-15.6697608	-0.004885904
-10.9139192	0.003552365
-15.57031257	-0.004885919
-10.92601929	-0.001185131
-15.76124564	-0.003944988
-10.99870531	0.003702853
-15.58966294	-0.00476069
-10.91758046	0.003246651
-15.60796027	-0.004885919
-10.76804223	0.00365313
-15.81502925	0.000208209
-10.603863	0.003472679
-15.94101576	-0.004888035
-10.33719669	0.003556404
-15.87876151	-0.004885934
-10.30549946	0.00303545
-16.00833863	-0.003637736
-10.03614685	0.003279107
-15.90240593	-0.003440185
-9.952715191	0.003241764
-16.12417003	-0.004756478
-9.736308715	0.003240178
-16.19885764	0.000237909
-9.635871112	0.003892242
-16.15400397	-0.004885919
-9.521902827	0.003236966
-16.02466164	-0.004887989
-9.438907868	0.003686253
-16.33661599	8.94119E-05
-9.488639689	-0.00047744
-16.24001325	-0.004885919
-9.475402823	0.003245736
-16.33283183	-0.004885934
-9.28977023	0.003442019
-16.37919262	-0.004885904
-9.163831964	0.003032295
-16.42457837	-0.004885919
-9.02697105	0.00152316
-16.3981799	-0.004885904
-9.042671171	0.003674712
-16.73909562	-0.004885904
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-16.72645402	-0.004465794

-8.595611145	0.003279161
-16.56617466	-0.004885919
-8.423117714	0.003051554
-16.61643708	-0.004885934
-8.345316293	0.003442218
-16.69091437	-0.002035104
-8.189109686	0.003247705
-16.78524676	-0.004885919
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-16.72763717	-0.004885934
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-16.88344626	-0.004885919
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-16.77051466	-0.001314305
8.156111831	0.002598558
-16.77554369	-0.004885919
8.163618562	0.003683554
-16.84551413	-0.004885904
8.236954821	0.002760694
-16.95131737	-0.004885904
-8.279188059	0.003787396
-16.99445268	-0.004885904
-8.255704547	0.002802401
-16.89379386	-0.004885919
-8.235123512	0.003236777
-17.0080606	-0.00488805
8.301363065	0.003222473
-17.13841775	-0.004885904
8.320359277	0.003636859
-17.13511533	-0.004885904
8.382433755	0.004540419
-17.00825675	0.001855229
8.428515789	0.003251497
-17.04121842	-0.004885888
8.460901339	0.003204936
-17.11868372	-0.004885919
8.471044834	0.003242328
-17.325531	-0.004885888
8.432509546	0.003645818
7.005378867	-0.001652497
9.49621731	-0.002533728
7.062489705	-0.00260516
9.389886335	-0.004054496
7.037893053	-0.00260516
9.269682077	-0.004054497
7.092632179	-0.00092577
9.047930053	0.003014032

7.185011513	-0.002565512
8.99986281	0.000428829
7.178283267	0.000495219
9.005812137	-0.004054482
7.204130808	-0.00260516
8.907572238	-0.00073891
7.185962038	-0.00260516
8.811705492	-0.001054823
7.128132926	-0.00260516
8.731872868	-0.00405449
7.056171939	-0.00260516
8.652580704	-0.00101066
7.009286757	-0.001330274
8.51632291	0.000727529
6.924491315	-0.00260516
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-6.959829467	-0.00115206
8.329647894	-0.002364823
-6.824098738	0.000100821
8.230050286	-0.004054468
-6.928863716	0.000268453
8.205784007	-0.002673445
-7.11865273	-0.00076402
8.202577366	-2.68627E-05
-7.190672638	-0.00260516
8.211782	-0.004054455
-7.163059871	0.000599902
8.186872491	0.002459474
-7.211853711	-0.000749917
8.095406706	-0.001763911
-7.300459184	0.000757756
8.000449008	-0.003595935
-7.129529578	-0.00260516
7.887411061	-0.004054462
-6.955341964	-0.00260516
7.801956994	-0.004054468
-6.88253414	0.001151857
7.602767768	0.002178303
-6.952932696	0.000268905
7.49510512	0.000162414
-6.856624178	0.002280837
7.465348777	-0.003116796
-7.006205365	-0.00260516
7.475982851	-0.004054476
-7.050862603	-0.00260516
7.371036535	-0.003997734
-7.003578468	-0.001577189

7.263813788	-0.004054462
-7.11268645	-0.00260516
7.235631751	-0.004054462
-7.11522145	-0.00260516
7.184033606	0.002304211
-6.983881959	9.24005E-05
7.171865597	-0.000423949
-6.974111111	-0.001127286
7.108645752	0.000626631
-6.77182759	0.000751428
7.111055936	-0.004054496
-6.846956164	-0.00260516
6.976228756	0.003458055
-6.740734861	-0.00260516
6.966358419	-0.004054461
6.579270342	-0.001400232
6.862404682	-0.004054455
6.990917138	0.002206694
6.772335306	-0.004054442
6.935634546	-0.00260516
6.698255364	-0.004054435
6.975541644	-0.00260516
6.674247087	-0.004054449
6.915734744	0.001149999
6.530714346	0.002738298
6.792276492	-0.00260516
6.469725125	-0.004054489
6.733199553	-0.001021874
6.409029225	-0.001025566
6.891786128	-0.00260516
6.305586001	-0.000688541
6.925726494	-0.00260516
6.250642868	-0.004054469
6.562119097	-0.00260516
6.276897549	-0.000934656
6.500898872	-0.00260516
6.345070332	-0.000254586
6.504858809	-0.00260516
6.489756935	-0.002861471
6.514671532	-0.002500314
6.57311529	0.001578196
6.498149461	0.000822714
6.691900313	-0.004054442
6.49619835	-0.002466602
6.792532192	0.001419616
7.288319339	-0.00260516
6.869879773	-0.003273768

7.642500524	0.00138133
6.9184386	-0.004054496
8.24634723	-0.00260516
7.013400877	-0.004054462
8.424929113	-0.001587623
7.035592014	-0.002716403
8.656407339	0.000252905
7.199675089	0.001020903
8.725897104	-0.000221578
7.316500276	-0.003304849
8.592896058	0.00218038
7.381255264	-0.004054482
8.63404096	-0.00260516
7.554058681	-0.000914813
8.495197448	-0.00260516
7.610277312	-0.001112964
8.573737035	-0.00260516
7.693839288	-0.000814733
8.678806123	-0.000849356
7.78036219	-0.00405447
8.449966862	-0.00260516
7.819769765	-0.000121104
8.552963866	-0.00260516
7.880881582	-0.001708987
8.819723754	-0.00260516
7.986874629	-0.002091011
8.747457087	-0.000647771
8.00501333	-0.004054462
8.682830554	-0.00260516
8.033291202	-0.000422442

CNCAP_Biegemoment_LN_max_index	CNCAP_Biegemoment_LN_min_index
3.70358944	0.000945635
4.17817116	-0.001062868
3.7036407	2.36805E-06
4.10651302	-0.000585063
3.60585189	0.000303892
4.21041632	-0.000192824
3.47783518	0.000850032
4.17722082	-1.78184E-05
3.50226569	-0.00104532
4.14847708	0.000146645
3.50359678	0.000126543
4.1695857	2.68061E-05
3.49762392	0.000146323
4.1900506	-1.43511E-09
3.48944187	0.000418468
4.15587044	-0.000539291
3.48797536	0.000183087
4.18286896	4.24101E-05
3.53163218	0.00062938
4.16181278	-5.91167E-08
3.50010324	0.000252592
4.18465424	-1.31605E-05
3.50107408	0.000390036
4.2566762	1.51887E-05
3.4860642	0.00048524
4.20015717	1.71225E-06
3.55586576	4.31978E-07
4.24853945	-1.23647E-05
3.50932097	1.47953E-05
4.25305605	3.44547E-05
3.50956106	-0.000211112
4.28253841	4.90855E-06
3.52072954	0.000291561
4.28241825	4.16024E-07
3.52926183	0.000357166
4.26027155	-3.40088E-06
3.52839851	0.001134918
4.25607204	0.000595072
3.56470752	0.000123297
4.24855518	-0.000160042
3.5721736	-1.91265E-05
4.29574823	-0.000226988
3.53736782	-0.000439423
4.30168533	3.35699E-05
3.4838171	0.002171233
4.31961966	-0.000316324

	3.52272916	0.000915274
	4.32556152	-8.99878E-05
	3.54233646	8.03255E-05
	4.31066275	5.97806E-05
	3.54721713	0.003010053
	4.31775618	-0.000261005
	3.55514121	0.003663925
	4.34073591	-0.000548219
	3.50513291	0.00095456
	4.38762426	-3.50416E-05
	3.52492762	-0.000113758
	4.39012814	3.61863E-05
	3.50511885	7.13395E-05
	4.37110901	-0.00417088
	3.51831818	-0.00012468
	4.40655947	0.000108892
	3.50276613	0.001129945
	4.39624166	3.55624E-10
	3.4779489	-5.36112E-06
	4.38122797	-1.88799E-05
	3.5323658	-3.51898E-05
	4.46380472	-0.00035339
	3.51600909	-8.84612E-05
	4.45802259	0.008317462
	3.49948788	0.004614546
	4.45672798	-0.015316506
	3.47851539	-0.003393942
	4.46209431	0.001114372
	3.47871828	0.000338795
	4.43548775	0.003408076
	3.48327327	-4.85141E-05
	4.48895884	-0.020250572
	3.45616293	-0.000244931
	4.48289967	0.003975738
	3.46368408	-0.00055665
	4.49559402	-0.005972064
	3.44057322	4.1733E-05
	4.4792819	-0.00488647
	3.44846797	0.000880283
	4.49394178	0.017903242
	3.42106247	0.001468647
	4.52349854	-0.014000582
	3.42184997	4.48513E-05
	4.50044489	-0.019112311
	3.40923071	0.000122256
	4.55761814	-0.001177988
	3.41341758	-0.00025409

4.52445126	-0.017318603
3.39511275	0.001395124
4.51742983	0.015498446
3.40818453	0.00258427
4.51354885	0.017134022
3.37246251	0.002120294
4.56781101	-0.007056446
3.39660406	0.000181843
4.58310556	-0.020263113
3.36758256	9.40074E-05
4.59595633	-0.019339312
3.40576029	0.00010129
4.52106762	0.003088083
3.38406396	9.95204E-05
4.57795048	-0.00588448
3.36227918	4.8194E-05
4.55460787	-0.011202502
3.42500091	1.67184E-05
4.53583622	-0.010897038
3.38214111	0.000308575
4.531528	-0.003793699
3.36741161	-2.41312E-05
4.57463694	-0.016130205
3.38487482	-3.36231E-05
4.54869223	-0.002275741
3.36240959	0.00068831
4.60376835	0.002540464
3.33802032	1.94818E-07
4.51802492	-0.020687483
3.36382556	-9.04433E-06
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3.32446718	0.000106877
4.54426241	0.00034729
3.34915495	-0.000139979
4.47844315	-0.002173189
3.31778288	-1.8881E-07
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3.34142089	-3.06768E-06
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8.80330563	-0.00215993
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8.70103359	-0.000256832
7.8036375	-0.000311715
8.68068218	0.000542505
7.80360746	0.008611492
8.60148144	-0.001379654

7.80412531	-0.001555181
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7.804739	0.006891408
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7.80833673	-0.000531884
8.4844408	-0.013950319
7.70644617	-0.010037283
8.40354633	-0.002190402
7.6256876	-0.001922212
8.36138058	-0.004792613
7.60406303	-0.002177773
8.3035984	-0.002304144
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8.20359039	-0.000644293
7.40402031	-0.000351987
8.20359612	0.0016034
7.30360603	-0.000924876
8.30220127	-0.001264057
7.20501089	-0.002016319
8.24173355	0.004374726
7.10358334	-0.006256706
8.20344639	0.001284905
7.00358534	-0.000723348
8.10285187	-0.000892989
6.9035964	-0.002648244
8.00359631	-0.006488674
6.80355167	0.002848413
7.99408865	0.001502465
6.79519129	0.000706899
7.9035964	0.005295804
6.7035079	-0.001907639
7.90355158	-8.94025E-06
6.60405731	-0.00121178
7.90719128	5.02405E-06
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7.80359077	-0.00103055
6.3035965	-0.001241812
7.80347776	-0.010315735
6.30359745	-0.000961897
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6.20371199	-0.00206094
7.57478476	-0.003352582
6.10359859	-0.003685983
7.50365829	-0.000642361
6.00358963	0.000445455

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6.00349903	0.001250131
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7.16032457	0.001774064
5.80359936	0.00516491
7.0628686	0.012402033
5.70359516	0.010339709
7.00603724	0.019123074
5.6035924	-0.001012104
6.90358543	0.059984412
5.50358915	0.000170365
6.80358171	0.079137601
5.4035902	0.00183096
6.7835331	0.097719573
5.30359602	1.19914E-05
6.81020403	0.098641038
5.20359182	0.000641867
6.80446959	0.139177144
5.17904615	0.02709432
6.84282494	0.11646226
5.12771511	0.053480797
6.84466171	0.096394301
5.18040037	0.082254134
6.8154068	0.177691266
5.2075634	0.096133255
6.73085022	0.16567485
5.15638018	0.178413361
6.72292328	0.177793235
5.10309935	0.213099629
6.71049356	0.177626505
5.10883427	0.220281869
6.62367153	0.198950455
5.10258293	0.227435067
6.64262533	0.198580727
5.09688044	0.220375374
6.58450365	0.197798863
5.05969763	0.310813487
6.58076763	0.17241247
5.01763391	0.381453365
6.50359011	0.179259941
5.06058788	0.440347612
6.50359249	0.098698355
5.02972412	0.478336364
6.52222967	0.126061529

5.00111341	0.519308746
6.50355673	0.092120059
4.95521927	0.53838551
6.50376177	0.096294582
4.93759489	0.498648345
6.5062294	0.111104913
4.90068483	0.496408343
6.50712919	0.092183463
4.89630413	0.497369498
6.40365314	0.097412348
4.85192347	0.496410459
6.40367126	0.133250356
4.7910614	0.497325152
6.40719318	0.139140323
4.72031403	0.497868598
6.32226944	0.126156017
4.7249999	0.496410459
6.30344725	0.134261206
4.69037008	0.498442471
6.30364466	0.137639865
4.71333933	0.496410459
6.30215168	0.137187257
4.70199013	0.496410459
6.26472425	0.138390735
4.64128494	0.417361915
6.2036252	0.139925718
4.62619877	0.3999964
6.20214033	0.100831211
4.59729576	0.497462034
6.14075089	0.118366435

CNCAP_Bewertung_gesamt	CNCAP_Bewertung_LN	CNCAP_Bewertung_UN
4.34	1.5	1.26
4.55	1.5	1.31
4.37	1.5	1.28
4.54	1.5	1.31
4.37	1.5	1.27
4.51	1.5	1.33
4.35	1.5	1.27
4.48	1.5	1.34
4.32	1.5	1.27
4.46	1.5	1.35
4.3	1.5	1.29
4.44	1.5	1.36
4.26	1.5	1.29
4.44	1.5	1.39
4.24	1.5	1.3
4.44	1.5	1.42
4.21	1.5	1.3
4.42	1.5	1.43
4.16	1.5	1.29
4.39	1.5	1.42
4.13	1.5	1.3
4.37	1.5	1.43
4.09	1.5	1.29
4.35	1.5	1.43
4.04	1.5	1.27
4.31	1.5	1.41
4	1.5	1.26
4.28	1.5	1.4
3.97	1.5	1.26
4.28	1.5	1.41
3.95	1.5	1.26
4.24	1.5	1.4
3.91	1.5	1.25
4.22	1.5	1.38
3.9	1.5	1.26
4.2	1.5	1.37
3.89	1.5	1.27
4.18	1.5	1.37
3.88	1.5	1.28
4.16	1.5	1.35
3.89	1.5	1.29
4.14	1.5	1.35
3.87	1.5	1.28
4.14	1.5	1.34
3.86	1.5	1.28
4.12	1.5	1.32

3.82	1.5	1.24
4.11	1.5	1.31
3.84	1.5	1.25
4.12	1.5	1.32
3.82	1.5	1.23
4.11	1.5	1.31
3.82	1.5	1.22
4.12	1.5	1.33
3.82	1.5	1.21
4.13	1.5	1.32
3.82	1.5	1.2
4.12	1.5	1.31
3.81	1.5	1.18
4.13	1.5	1.31
3.82	1.5	1.17
4.11	1.5	1.29
3.83	1.5	1.15
4.09	1.5	1.29
3.83	1.5	1.12
4.1	1.5	1.27
3.85	1.5	1.13
4.09	1.5	1.27
3.82	1.5	1.11
4.08	1.5	1.26
3.85	1.5	1.1
4.07	1.5	1.25
3.84	1.5	1.13
4.05	1.5	1.24
3.84	1.5	1.13
4.01	1.5	1.22
3.83	1.5	1.12
4.01	1.5	1.22
3.79	1.5	1.13
3.99	1.5	1.22
3.72	1.5	1.11
3.94	1.5	1.21
3.69	1.5	1.09
3.92	1.5	1.2
3.64	1.5	1.08
3.87	1.5	1.19
3.59	1.5	1.07
3.84	1.5	1.19
3.5	1.5	1.06
3.8	1.5	1.17
3.49	1.5	1.05
3.74	1.5	1.15
3.41	1.5	1.04

3.69	1.5	1.11
3.37	1.5	1.02
3.68	1.5	1.12
3.33	1.5	1
3.63	1.5	1.12
3.28	1.5	1
3.55	1.5	1.1
3.25	1.5	0.98
3.52	1.5	1.09
3.2	1.5	0.97
3.51	1.5	1.09
3.18	1.5	0.97
3.44	1.5	1.08
3.12	1.5	0.94
3.42	1.5	1.08
3.11	1.5	0.93
3.34	1.5	1.05
3.08	1.5	0.92
3.27	1.5	1.04
3.05	1.5	0.92
3.25	1.5	1.04
3.02	1.5	0.91
3.23	1.5	1.03
3	1.5	0.91
3.19	1.5	1.01
2.97	1.5	0.9
3.12	1.5	0.99
2.92	1.5	0.9
3.15	1.5	1.01
2.92	1.5	0.9
3.11	1.5	0.99
2.9	1.5	0.9
3.09	1.5	0.99
2.91	1.5	0.92
3.06	1.5	0.99
2.92	1.5	0.92
3.04	1.5	0.99
2.93	1.5	0.92
3.01	1.5	0.99
4.42	1.5	1.5
4.15	1.5	1.07
4.43	1.5	1.5
4.14	1.5	1.06
4.43	1.5	1.5
4.15	1.5	1.07
4.43	1.5	1.5
4.14	1.5	1.07

4.43	1.5	1.5
4.15	1.5	1.08
4.42	1.5	1.5
4.14	1.5	1.08
4.42	1.5	1.5
4.12	1.5	1.06
4.42	1.5	1.5
4.13	1.5	1.07
4.41	1.5	1.5
4.11	1.5	1.06
4.41	1.5	1.5
4.12	1.5	1.07
4.4	1.5	1.5
4.13	1.5	1.08
4.4	1.5	1.5
4.13	1.5	1.09
4.4	1.5	1.5
4.14	1.5	1.1
4.39	1.5	1.5
4.16	1.5	1.12
4.38	1.5	1.5
4.15	1.5	1.11
4.38	1.5	1.5
4.14	1.5	1.11
4.37	1.5	1.5
4.13	1.5	1.1
4.37	1.5	1.5
4.13	1.5	1.1
4.36	1.5	1.5
4.13	1.5	1.1
4.36	1.5	1.5
4.14	1.5	1.11
4.35	1.5	1.5
4.14	1.5	1.11
4.35	1.5	1.5
4.13	1.5	1.11
4.34	1.5	1.5
4.13	1.5	1.11
4.34	1.5	1.5
4.14	1.5	1.12
4.33	1.5	1.5
4.15	1.5	1.13
4.33	1.5	1.5
4.15	1.5	1.13
4.32	1.5	1.5
4.16	1.5	1.14
4.31	1.5	1.5

4.16	1.5	1.14
4.31	1.5	1.5
4.16	1.5	1.15
4.3	1.5	1.5
4.17	1.5	1.16
4.29	1.5	1.5
4.18	1.5	1.17
4.29	1.5	1.5
4.18	1.5	1.17
4.28	1.5	1.5
4.19	1.5	1.18
4.28	1.5	1.5
4.18	1.5	1.18
4.27	1.5	1.5
4.19	1.5	1.19
4.26	1.5	1.5
4.2	1.5	1.2
4.26	1.5	1.5
4.19	1.5	1.19
4.25	1.5	1.5
4.19	1.5	1.19
4.25	1.5	1.5
4.19	1.5	1.2
4.24	1.5	1.5
4.19	1.5	1.2
4.23	1.5	1.5
4.19	1.5	1.2
4.23	1.5	1.5
4.19	1.5	1.2
4.22	1.5	1.5
4.18	1.5	1.2
4.22	1.5	1.5
4.17	1.5	1.19
4.21	1.5	1.5
4.17	1.5	1.19
4.21	1.5	1.5
4.17	1.5	1.19
4.2	1.5	1.5
4.15	1.5	1.18
4.2	1.5	1.5
4.16	1.5	1.19
4.19	1.5	1.5
4.12	1.5	1.18
4.18	1.5	1.5
4.09	1.5	1.18
4.17	1.5	1.5
4.05	1.5	1.18

4.15	1.5	1.5
4.03	1.5	1.18
4.11	1.5	1.5
3.99	1.5	1.17
4.06	1.5	1.5
3.95	1.5	1.18
4.03	1.5	1.5
3.9	1.5	1.17
3.99	1.5	1.5
3.86	1.5	1.17
3.94	1.5	1.5
3.82	1.5	1.16
3.89	1.5	1.5
3.77	1.5	1.15
3.85	1.5	1.5
3.74	1.5	1.15
3.82	1.5	1.5
3.67	1.5	1.15
3.77	1.5	1.5
3.62	1.5	1.14
3.73	1.5	1.5
3.58	1.5	1.14
3.7	1.5	1.5
3.52	1.5	1.13
3.66	1.5	1.5
3.48	1.5	1.12
3.61	1.5	1.5
3.41	1.5	1.11
3.59	1.5	1.5
3.35	1.5	1.09

CNCAP_Bewertung_NIC	BIO_x_1_max	BIO_x_t1_max	BIO_x_1_max_1	BIO_x_t1_max_2
1.58	-995.755188	-940.0450745	-995.755188	-940.0450745
1.74	-1065.15527	-977.1968995	-1065.15527	-977.1968995
1.59	-995.127197	-939.8231205	-995.127197	-939.8231205
1.73	-1064.80359	-976.9803465	-1064.80359	-976.9803465
1.6	-995.658813	-939.9853515	-995.658813	-939.9853515
1.68	-1064.09778	-976.402496	-1064.09778	-976.402496
1.58	-993.960266	-939.337677	-993.960266	-939.337677
1.64	-1066.12476	-977.559845	-1066.12476	-977.559845
1.55	-994.417114	-939.54776	-994.417114	-939.54776
1.61	-1062.77539	-975.585602	-1062.77539	-975.585602
1.51	-991.397095	-937.748505	-991.397095	-937.748505
1.58	-1063.71484	-976.030426	-1063.71484	-976.030426
1.47	-990.968201	-937.488251	-990.968201	-937.488251
1.55	-1063.34741	-975.8497315	-1063.34741	-975.8497315
1.44	-990.927795	-937.5780945	-990.927795	-937.5780945
1.52	-1064.33997	-976.564667	-1064.33997	-976.564667
1.41	-990.101929	-937.0682675	-990.101929	-937.0682675
1.49	-1063.1665	-975.6853025	-1063.1665	-975.6853025
1.37	-989.224854	-936.621643	-989.224854	-936.621643
1.47	-1063.26074	-975.7283325	-1063.26074	-975.7283325
1.33	-989.169128	-936.888855	-989.169128	-936.888855
1.44	-1063.11536	-975.5726015	-1063.11536	-975.5726015
1.3	-988.966064	-936.2868045	-988.966064	-936.2868045
1.42	-1063.97229	-975.952637	-1063.97229	-975.952637
1.27	-988.92511	-936.347717	-988.92511	-936.347717
1.4	-1062.89783	-975.391327	-1062.89783	-975.391327
1.24	-988.11792	-935.953888	-988.11792	-935.953888
1.38	-1063.96216	-975.8233645	-1063.96216	-975.8233645
1.21	-987.912903	-935.575134	-987.912903	-935.575134
1.37	-1062.82605	-975.2581175	-1062.82605	-975.2581175
1.19	-986.768066	-935.059601	-986.768066	-935.059601
1.34	-1062.94568	-975.2476805	-1062.94568	-975.2476805
1.16	-986.865417	-935.2774655	-986.865417	-935.2774655
1.34	-1062.40088	-975.0083925	-1062.40088	-975.0083925
1.14	-987.126526	-935.336182	-987.126526	-935.336182
1.33	-1062.2594	-974.839844	-1062.2594	-974.839844
1.12	-985.386963	-934.4153745	-985.386963	-934.4153745
1.31	-1062.33826	-974.8453675	-1062.33826	-974.8453675
1.1	-984.184265	-933.8146665	-984.184265	-933.8146665
1.31	-1061.9342	-974.631073	-1061.9342	-974.631073
1.1	-984.089111	-933.856995	-984.089111	-933.856995
1.29	-1061.85559	-974.521423	-1061.85559	-974.521423
1.09	-984.829956	-934.444214	-984.829956	-934.444214
1.3	-1060.24524	-973.948059	-1060.24524	-973.948059
1.08	-984.073547	-933.9872745	-984.073547	-933.9872745
1.3	-1060.54053	-974.0723265	-1060.54053	-974.0723265

1.08	-983.962769	-933.83017	-983.962769	-933.83017
1.3	-1059.46948	-973.4319455	-1059.46948	-973.4319455
1.09	-981.100037	-932.5430605	-981.100037	-932.5430605
1.3	-1059.95886	-973.78006	-1059.95886	-973.78006
1.09	-980.614624	-932.353516	-980.614624	-932.353516
1.3	-1059.50525	-973.4533995	-1059.50525	-973.4533995
1.1	-979.713257	-931.6654355	-979.713257	-931.6654355
1.29	-1060.98743	-974.17984	-1060.98743	-974.17984
1.11	-978.992187	-931.46875	-978.992187	-931.46875
1.31	-1059.11584	-973.224396	-1059.11584	-973.224396
1.12	-978.672668	-931.4809265	-978.672668	-931.4809265
1.31	-1059.75696	-973.547607	-1059.75696	-973.547607
1.13	-978.083557	-931.088318	-978.083557	-931.088318
1.32	-1058.77222	-973.01358	-1058.77222	-973.01358
1.15	-977.833984	-930.9601135	-977.833984	-930.9601135
1.32	-1058.81433	-973.1255495	-1058.81433	-973.1255495
1.18	-977.475464	-930.925659	-977.475464	-930.925659
1.3	-1059.58118	-973.3089295	-1059.58118	-973.3089295
1.21	-976.489563	-930.2047425	-976.489563	-930.2047425
1.33	-1058.7052	-972.7962035	-1058.7052	-972.7962035
1.22	-977.331787	-930.8222045	-977.331787	-930.8222045
1.32	-1058.7959	-972.796814	-1058.7959	-972.796814
1.21	-977.227478	-930.709839	-977.227478	-930.709839
1.32	-1057.62488	-972.2412415	-1057.62488	-972.2412415
1.25	-975.613831	-929.909912	-975.613831	-929.909912
1.32	-1056.06641	-971.457123	-1056.06641	-971.457123
1.21	-975.227966	-929.5816955	-975.227966	-929.5816955
1.31	-1057.33765	-972.0432435	-1057.33765	-972.0432435
1.21	-974.748901	-929.5377195	-974.748901	-929.5377195
1.29	-1057.02136	-971.865692	-1057.02136	-971.865692
1.21	-974.331238	-929.1388245	-974.331238	-929.1388245
1.29	-1057.15784	-971.9997865	-1057.15784	-971.9997865
1.16	-973.738403	-929.1326905	-973.738403	-929.1326905
1.27	-1056.45801	-971.586853	-1056.45801	-971.586853
1.11	-972.887146	-928.5498355	-972.887146	-928.5498355
1.23	-1054.25146	-970.28894	-1054.25146	-970.28894
1.1	-972.30365	-928.2725525	-972.30365	-928.2725525
1.22	-1055.49768	-971.054016	-1055.49768	-971.054016
1.06	-971.336731	-927.8627015	-971.336731	-927.8627015
1.18	-1056.45886	-971.4327085	-1056.45886	-971.4327085
1.02	-971.228638	-927.845001	-971.228638	-927.845001
1.15	-1053.83801	-970.1447755	-1053.83801	-970.1447755
0.94	-969.907837	-927.000397	-969.907837	-927.000397
1.13	-1054.5531	-970.450317	-1054.5531	-970.450317
0.94	-969.897217	-927.422058	-969.897217	-927.422058
1.09	-1054.94983	-970.705536	-1054.94983	-970.705536
0.87	-968.164856	-926.4363405	-968.164856	-926.4363405

1.08	-1054.04602	-970.171387	-1054.04602	-970.171387
0.85	-967.707886	-926.2722475	-967.707886	-926.2722475
1.06	-1054.90771	-970.472412	-1054.90771	-970.472412
0.83	-969.424316	-927.076996	-969.424316	-927.076996
1.01	-1053.92065	-969.963379	-1053.92065	-969.963379
0.78	-967.44635	-926.2817075	-967.44635	-926.2817075
0.95	-1053.51221	-969.687805	-1053.51221	-969.687805
0.77	-967.030334	-926.0083315	-967.030334	-926.0083315
0.93	-1053.60791	-969.732269	-1053.60791	-969.732269
0.73	-966.611389	-925.8157655	-966.611389	-925.8157655
0.92	-1053.91431	-969.8713685	-1053.91431	-969.8713685
0.71	-965.68042	-925.3292235	-965.68042	-925.3292235
0.86	-1051.30713	-968.4383235	-1051.30713	-968.4383235
0.68	-966.220642	-925.4623715	-966.220642	-925.4623715
0.84	-1052.06592	-968.843201	-1052.06592	-968.843201
0.68	-966.411621	-925.7047425	-966.411621	-925.7047425
0.79	-1050.99146	-968.2440185	-1050.99146	-968.2440185
0.66	-965.003052	-925.197235	-965.003052	-925.197235
0.73	-1051.42651	-968.45578	-1051.42651	-968.45578
0.63	-963.587219	-924.281128	-963.587219	-924.281128
0.71	-1050.23645	-967.8449705	-1050.23645	-967.8449705
0.61	-963.015015	-924.1046445	-963.015015	-924.1046445
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5.60264778	0.243748963	0.190184802	0.212774128	0.202568486
5.68239594	0.204076529	0.207064249	0.219330415	0.181451246
5.60539818	0.244504079	0.189925484	0.213634059	0.202378675
5.68512821	0.203745574	0.207176276	0.219683677	0.181411296
5.60718727	0.245177299	0.18896617	0.214819103	0.202326506
5.68586254	0.202234089	0.207281701	0.219608352	0.181312159
5.60902691	0.2442967	0.187925711	0.215029538	0.202070817
5.68772697	0.203615755	0.20774331	0.220401391	0.181198746
5.61195803	0.24576585	0.186975211	0.216875076	0.201909572
5.68918037	0.204332232	0.207693249	0.220039442	0.181238711
5.60776567	0.245073974	0.18630442	0.217515662	0.201556653
5.69084311	0.202859983	0.208348632	0.220329329	0.181155667
5.60799694	0.246143952	0.185193934	0.21852456	0.201538831
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5.61395979	0.245365217	0.184749373	0.219325244	0.201355889
5.69156933	0.201624975	0.208516874	0.220794812	0.181107432
5.61223269	0.246871248	0.183500439	0.219666988	0.20103842
5.69339848	0.202428162	0.208913915	0.220648319	0.181023195
5.61602259	0.244133994	0.182439931	0.220031008	0.200633317
5.69452333	0.20099093	0.209168002	0.221243992	0.180877283
5.61637211	0.244444147	0.18195808	0.221150279	0.200497836
5.69558764	0.201893568	0.20930776	0.221928313	0.180564046
5.61503506	0.244035214	0.181046203	0.222714156	0.200033113
5.6972332	0.201231703	0.209214337	0.221694767	0.180778623
5.62169266	0.246878147	0.182313852	0.221647233	0.199010879
5.69987583	0.200324953	0.209712759	0.222040817	0.180721417
5.6211462	0.247113705	0.182273977	0.223607823	0.199699447
5.69844866	0.198708639	0.210976392	0.221726254	0.181480408
5.62119532	0.244882077	0.183031313	0.224987447	0.19970572
5.70161963	0.19866313	0.21058327	0.221582159	0.180713579
5.62405968	0.246772245	0.183508605	0.225671127	0.199381068
5.70473814	0.198744804	0.210793682	0.222077087	0.180834576
5.62541389	0.246933177	0.183671132	0.226344705	0.199366257
5.70264912	0.197843388	0.210468873	0.22207956	0.180429906
5.62797832	0.247789547	0.184094496	0.225473806	0.197884768
5.70752668	0.197126478	0.211357109	0.222135603	0.180556536
5.62989902	0.247371271	0.184789539	0.226022422	0.197611481
5.70862484	0.196760774	0.211231537	0.2230445	0.180611119
5.62988138	0.247639507	0.185621195	0.226042822	0.197254986

5.71280766	0.196004689	0.2118354	0.222560108	0.180533037
5.63269234	0.248055324	0.185816646	0.22612007	0.197187826
5.71286297	0.19652468	0.211670123	0.222971201	0.180668011
5.63731956	0.245846823	0.18656756	0.22790128	0.196908996
5.71479273	0.196442783	0.211680763	0.222656637	0.180475831
5.63627005	0.246819511	0.186606161	0.228176162	0.196066067
5.71682596	0.196482137	0.211577058	0.222545728	0.180580974
5.63943577	0.245722011	0.188039236	0.229135141	0.196558535
5.7214694	0.196507379	0.211791516	0.223277137	0.180479288
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5.639153	0.245447442	0.19000195	0.229643419	0.196004942
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5.63953209	0.245047048	0.190379955	0.230092123	0.195847631
5.72576284	0.198746175	0.21168945	0.223353371	0.180421472
5.64275694	0.244352698	0.191387788	0.230879009	0.195427313
5.72769928	0.198864192	0.212376148	0.222771689	0.180413336
5.64550591	0.243364722	0.191662803	0.231362775	0.19534409
5.73349476	0.199540973	0.214455642	0.223147392	0.180584639
5.64267635	0.243227199	0.192295298	0.23185125	0.195121944
5.73356485	0.200032324	0.214436941	0.223609731	0.180485532
5.64635468	0.244055316	0.192691975	0.231981501	0.195013225
5.734231	0.200517133	0.215946623	0.223373607	0.180610329
5.64636421	0.243149236	0.192728974	0.231658727	0.194771424
5.73771858	0.201190099	0.216923692	0.224102542	0.180524796
5.64955711	0.242204458	0.193155468	0.231773093	0.194604352
5.73668242	0.203619614	0.21710527	0.223889515	0.180241853
5.65121555	0.240302294	0.192946196	0.233295456	0.194372028
5.74072599	0.20333764	0.217508994	0.223420203	0.180344656
5.6527133	0.239414543	0.193327301	0.23381789	0.194349959
5.74015999	0.204927012	0.218541727	0.223932296	0.180356458
5.65198183	0.23860313	0.193118647	0.233418718	0.194125175
5.74321651	0.20520325	0.219877467	0.224245429	0.180436149
5.65151882	0.235888869	0.193926834	0.233789369	0.193889827
5.74437571	0.206787005	0.219875664	0.224509463	0.180519998
5.6529336	0.236448675	0.194562726	0.234196365	0.193596974
5.74807739	0.206849188	0.22157909	0.225185394	0.180301815
5.65433598	0.235131994	0.195608378	0.234504908	0.19329305
5.75059128	0.207218349	0.222679869	0.225191697	0.180234015
5.93517923	0.23756054	0.20564685	0.209419414	0.252037913
5.92631531	0.230534181	0.256657437	0.232224047	0.245428011
5.93313742	0.236797869	0.204817385	0.208642185	0.252990782
5.92416286	0.229930714	0.255800843	0.232220709	0.245361462
5.93147564	0.235969499	0.203663916	0.207901254	0.253281981
5.92216158	0.229574412	0.255109564	0.231822878	0.245085657
5.93135786	0.235386685	0.203033589	0.207493082	0.254105985
5.92120457	0.229085416	0.25429748	0.231261909	0.245157689

5.93046427	0.235128611	0.20243597	0.207477763	0.254698366
5.9179945	0.228474751	0.25332398	0.230453357	0.245085791
5.93015099	0.234710082	0.201730028	0.207969427	0.255228072
5.91740608	0.228038535	0.252625347	0.229757473	0.244915351
5.92956066	0.233990148	0.201088421	0.208474159	0.255694717
5.91453266	0.227992713	0.251740732	0.229271039	0.244781494
5.9282465	0.233652741	0.200527534	0.209072217	0.256026
5.91245413	0.227759734	0.250542827	0.229185328	0.244676411
5.92689228	0.233324051	0.19997409	0.210036635	0.256397754
5.91029072	0.227196574	0.249557056	0.228927583	0.244537801
5.92575884	0.232778013	0.199180253	0.210850105	0.25674358
5.90773344	0.226983964	0.248620533	0.228861302	0.244506717
5.92589712	0.23228015	0.198477231	0.211554721	0.257064223
5.905828	0.226110324	0.247998283	0.228931278	0.244363621
5.92575979	0.231280699	0.197099924	0.212389126	0.257224828
5.90489197	0.225551978	0.247303605	0.229084104	0.244383603
5.92514896	0.230081216	0.196261525	0.213279366	0.257589668
5.90015078	0.224381998	0.24662754	0.229286283	0.244228005
5.92537212	0.229121387	0.19546821	0.214061871	0.257874727
5.89579248	0.223975867	0.246048086	0.229674116	0.243814319
5.92488384	0.227987692	0.194842041	0.215001851	0.257831037
5.89425516	0.223215178	0.245407291	0.229921669	0.243806109
5.92462063	0.226802319	0.194277533	0.215925619	0.258276582
5.89474249	0.223088562	0.244339883	0.23043558	0.24374871
5.92752361	0.225667194	0.194003977	0.216788948	0.258369386
5.8917141	0.222827971	0.243597247	0.230827972	0.243544698
5.92749929	0.225414932	0.193256781	0.217742294	0.258538872
5.89206171	0.222679287	0.2426565	0.231386885	0.243426993
5.92601395	0.224638313	0.192536071	0.218704522	0.258582056
5.89137602	0.222065374	0.241803408	0.231789932	0.243360758
5.92469549	0.224533379	0.191777148	0.219746798	0.258620977
5.89030981	0.221307799	0.241176568	0.232497826	0.243270949
5.92374134	0.224110246	0.190496751	0.220678121	0.258779794
5.88964128	0.220849931	0.240259238	0.233230844	0.243134156
5.92429256	0.223549381	0.189792723	0.221509129	0.259122133
5.88958406	0.220227942	0.239367835	0.233682141	0.242702574
5.92369699	0.223426461	0.188566506	0.222140387	0.259248585
5.88959694	0.218862832	0.238701485	0.234015793	0.242525235
5.92392349	0.222505152	0.187520445	0.222708344	0.259206533
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5.92423916	0.221285805	0.185640849	0.223613083	0.259553224
5.88947439	0.218429938	0.237843015	0.235050157	0.242203057
5.92554426	0.220501795	0.184554637	0.224279091	0.259560049
5.88920403	0.217696428	0.237470724	0.235407159	0.242014527
5.92632294	0.218534604	0.183465384	0.225165591	0.259637952
5.8876462	0.217277393	0.23719094	0.235847279	0.241987973
5.92738104	0.218053266	0.182238631	0.225898162	0.259822458

5.88776875	0.2171029	0.236937776	0.236258283	0.24180153
5.92684412	0.216678709	0.181420029	0.226822302	0.259797066
5.8878665	0.21721305	0.236551181	0.236454532	0.241625279
5.92571831	0.215261221	0.180354253	0.227515742	0.25975436
5.88567543	0.217263013	0.236394256	0.236844927	0.241618723
5.92447424	0.214118719	0.179648996	0.228213981	0.259873629
5.88433886	0.216869429	0.236150004	0.237291873	0.241153091
5.92264223	0.21274139	0.178366028	0.228976592	0.259902567
5.88189793	0.217070073	0.235757292	0.237322167	0.241232738
5.92148781	0.211284682	0.177528128	0.229684681	0.259978592
5.88035727	0.216980308	0.235696204	0.23749949	0.240767717
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5.87937689	0.216656655	0.235151447	0.237891927	0.240831986
5.91975117	0.207828417	0.17627573	0.230988383	0.259822875
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5.8768115	0.215738207	0.234623865	0.23837845	0.240279987
5.91094065	0.203264624	0.175789602	0.232698977	0.259605676
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5.90678263	0.20150423	0.175466828	0.233368739	0.259891182
5.87413311	0.215441883	0.234785535	0.238639876	0.239709377
5.90411806	0.203985393	0.175389864	0.234012559	0.259577692
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5.871912	0.214391425	0.234285705	0.238975152	0.239357293
5.89754057	0.210948184	0.175088733	0.235179752	0.259323746
5.87294912	0.214141011	0.234142624	0.238830104	0.239289552
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5.89388466	0.217967734	0.172633179	0.237164766	0.257335335
5.8693161	0.21751608	0.233835549	0.239120185	0.238717005
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5.89003468	0.224461913	0.170659699	0.238869831	0.255860299
5.86470652	0.222170427	0.233821802	0.239141032	0.238494545
5.88897848	0.227408484	0.169595324	0.239470363	0.255472004
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5.87635851	0.246076092	0.162487216	0.242597386	0.253244549
5.85697031	0.23951599	0.233740069	0.239654362	0.237459451
5.87381411	0.249302223	0.161829017	0.243244678	0.252977997
5.8555851	0.241806433	0.234278321	0.239534914	0.23737134
5.87439013	0.251911074	0.161623053	0.24351722	0.252726883
5.85324526	0.244528309	0.234135539	0.239564538	0.237326354
5.87134218	0.254575133	0.16117435	0.243719727	0.252531797
5.85142469	0.246555775	0.234440037	0.239816204	0.23709479
5.86791372	0.257361114	0.161686957	0.244183496	0.251841068
5.85181189	0.249371037	0.234542445	0.239538148	0.236851096
5.86427832	0.260614365	0.161349431	0.244575247	0.251392305
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5.8479147	0.256543964	0.235559173	0.239294276	0.236512333
5.85948801	0.268428147	0.163496107	0.245110646	0.250536054
5.84457731	0.258903086	0.235785701	0.239421338	0.23639141
5.85775042	0.270814389	0.164662317	0.245395452	0.250216395
5.84383488	0.261345893	0.235856831	0.239348024	0.236173972
5.85650539	0.272919863	0.165879868	0.245388135	0.249907583
5.84334993	0.26379323	0.236657895	0.239410713	0.236208737
5.85507536	0.27546373	0.166352697	0.2454492	0.249696717
5.84414816	0.266255498	0.236721628	0.239418	0.235984072
5.85455656	0.277743369	0.167521164	0.245570004	0.24935931
5.8459692	0.268191993	0.237621404	0.239507064	0.235901907
5.85429192	0.279825658	0.168519855	0.245503336	0.24900195
5.84477234	0.270779878	0.237924129	0.239334449	0.235804155

BIO_xiii_1_max	BIO_xiii_t1_max	BIO_xiii_t8_max	BIO_xiii_l1_max	BIO_x_rel_max_index
-0.012895766	0.016016552	-0.017712349	0.020344866	-56.33532
-0.015488185	-0.02065744	0.015667771	0.019412351	-47.858132
-0.013143289	0.016025982	-0.017671992	0.020301665	-56.598617
-0.015527942	-0.020730237	-0.015824396	0.01938731	-48.115364
-0.013163624	0.015895532	-0.017449991	0.020294505	-56.889176
-0.015345855	-0.020915334	-0.015859279	0.019334269	-48.459419
-0.013247044	0.016175139	-0.017261507	0.020327005	-57.158531
-0.015061205	-0.020862879	-0.0160867	0.019324449	-48.534867
-0.013244478	0.016163405	-0.017345801	0.020294825	-57.352729
0.015202717	-0.021049677	-0.015720686	0.019164987	-48.983917
-0.013141949	0.0161531	-0.017343932	0.020226564	-57.631256
0.014852518	-0.021141325	-0.016921237	0.019071105	-49.155449
-0.013144522	0.016679416	-0.017026128	0.020191103	-57.931755
0.014726156	-0.021245995	-0.017303332	0.019012404	-49.2691725
-0.013219756	0.016798834	-0.016950562	0.020161603	-58.0988395
0.014848638	-0.021061784	-0.017305732	0.018803143	-49.311882
-0.013285022	0.017207604	-0.016440352	0.020132682	-58.2926715
0.014756856	-0.020996922	-0.017461606	0.018813283	-49.547989
-0.013365508	0.017159822	-0.016417719	0.020093341	-58.443001
0.014800265	-0.020846858	-0.017926249	0.018711662	-49.779754
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0.046064417	-0.023797233	-0.023901326	0.028003546	-37.7234805
0.051769248	0.008809771	-0.0169543	0.024278848	-43.5772785
0.046551775	-0.023824447	-0.024021164	0.027959369	-37.8452295
0.052277976	0.00874682	-0.016970701	-0.024191527	-43.58889
0.046999844	-0.023858102	-0.024182187	0.027878031	-37.95961
0.052739024	0.008659049	-0.016927251	-0.024144978	-43.6191485
0.047480201	-0.023903365	-0.024302366	0.027950069	-38.06736
0.053188771	0.008638558	-0.016732859	-0.024544693	-43.7209325
0.047772096	-0.023855309	-0.024457112	0.02784189	-38.1599655
0.053569937	0.008575237	0.016634726	-0.024651694	-43.769592
0.048343637	-0.023935143	-0.024650528	0.027821716	-38.2823635
0.053986584	0.008516146	0.016627866	-0.024733036	-43.815407
0.048740282	-0.02399342	-0.024774958	0.027808198	-38.382576
0.054384668	0.008456465	0.016623686	-0.024789357	-43.890289
0.049256766	-0.024053832	-0.024977887	0.027743418	-38.5339885
0.054731826	0.008412805	0.016637266	-0.025179019	-43.987488
0.04960133	-0.024058269	-0.025208179	0.027686274	-38.6383825

BIO_xi_rel_max_index	BIO_xii_rel_max_index	BIO_xiii_rel_max_index	BIO_xiii_rel_summe
1.67382312	-0.145463605	-0.02313906	13.08138224
1.514445065	-0.156223375	-0.027684887	12.87392189
1.687896725	-0.145740949	-0.023083	13.07715453
1.525897265	-0.156036935	-0.027553745	12.75334671
1.699160095	-0.145184611	-0.022454642	12.95219369
1.543392185	-0.156114487	-0.0278255	12.90269214
1.713581085	-0.144716948	-0.022569931	12.98404957
1.542631385	-0.15574986	-0.027674596	13.01994364
1.723068715	-0.14461026	-0.022197405	12.99960891
1.56091881	-0.154986592	-0.02761351	13.07695081
1.73510337	-0.144008745	-0.022030092	13.07357851
1.566969155	-0.155544836	-0.027267149	13.19023478
1.75028849	-0.143705785	-0.022218712	13.0809117
1.575624465	-0.154807322	-0.027146067	13.30229432
1.75895858	-0.143269271	-0.021826157	13.1581279
1.572819705	-0.154063905	-0.026879933	13.37329052
1.77283168	-0.142802317	-0.022376121	13.22838946
1.578461175	-0.153287336	-0.026255816	13.48043227
1.78035545	-0.142876782	-0.021711273	13.41247099
1.58941007	-0.154662276	-0.025890045	13.68945544
1.793442725	-0.141827349	-0.021890907	13.51156111
1.59886026	-0.153794415	-0.025484535	13.86281688
1.808689355	-0.141758282	-0.021817551	13.61486413
1.60239506	-0.153189993	-0.024989239	13.88185742
1.81835175	-0.140362099	-0.022187281	13.67277052
1.603546385	-0.152483047	-0.024615794	13.82651237
1.827582355	-0.140250619	-0.022165298	13.73401466
1.61331439	-0.153371202	-0.024495504	14.02373077
1.84284615	-0.139883817	-0.022485964	13.88315843
1.622622015	-0.152553052	-0.024118839	13.93389772
1.855396515	-0.138652556	-0.02284619	13.91444752
1.632876865	-0.153093143	-0.023728383	14.11593233
1.86417675	-0.138403371	-0.023010933	13.94954246
1.63792133	-0.150725236	-0.024060884	13.95407092
1.879273415	-0.136259824	-0.023377984	13.94657839
1.641985655	-0.149700158	-0.023793989	13.89498752
1.888862855	-0.136059735	-0.023927629	14.05957405
1.651947255	-0.150079245	-0.024223319	13.89735808
1.90230727	-0.134638959	-0.024165712	14.07480116
1.653101445	-0.148362129	-0.023890398	13.76343338
1.90491652	-0.134318978	-0.023938621	14.02408806
1.65879893	-0.147676246	-0.023569678	13.67114792
1.916937585	-0.132587523	-0.024338225	13.98433038
1.669459815	-0.147920363	-0.023861931	13.60257094
1.928977725	-0.13142515	-0.02501523	14.0060019
1.676034695	-0.147690662	-0.023156491	13.45277501

1.937990905	-0.131862674	-0.024737565	14.0050694
1.679636475	-0.146895308	-0.02261176	13.31015328
1.945690635	-0.132769644	-0.024453317	14.09388304
1.686312205	-0.147298481	-0.022325324	13.28099359
1.954251055	-0.131548174	-0.024535494	14.03407978
1.69762397	-0.147253098	-0.022816055	13.21332858
1.965963845	-0.131773901	-0.024333686	14.03961842
1.696018225	-0.147618158	-0.021549803	13.12410399
1.96951747	-0.130052958	-0.024287347	13.93413528
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1.977668525	-0.131848223	-0.024469294	14.04760188
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1.73643231	-0.144841032	-0.017745343	12.64013613
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1.75643706	-0.143792257	-0.016681085	12.58204735
2.03975868	-0.129658312	-0.026298789	13.83457673
1.76565266	-0.144116422	-0.015958538	12.53986717
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1.768337015	-0.143509837	-0.015699744	12.57724257
2.049911255	-0.129180666	-0.025399168	13.85272935
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2.06996512	-0.131413601	-0.027150473	14.01337953
1.798585895	-0.141024312	-0.014227659	12.54636995
2.080411435	-0.133632359	-0.02827109	14.13340255
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1.89328742	-0.136978232	-0.0194581	13.00618284
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1.927953965	-0.139815264	-0.022076781	13.23058363
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1.31445312	-0.123010926	-0.043555147	18.24222526
1.16112757	-0.127236888	-0.036905795	18.82876981
1.318460465	-0.125632555	-0.044123106	18.43979161
1.16580749	-0.128155954	-0.037370754	19.04674257
1.32546687	-0.127849252	-0.044620244	18.50241841
1.17172384	-0.127942704	-0.037697687	19.2100012
1.32952762	-0.129798562	-0.045094821	18.67426195
1.180152415	-0.128986441	-0.038245234	19.47501815
1.332113025	-0.132328123	-0.04561779	18.79357657
1.18434668	-0.128941954	-0.038667638	19.6616659
1.338007445	-0.134542331	-0.046130948	18.96972802
1.19478512	-0.130221024	-0.039143753	19.87047248
1.34050059	-0.136649423	-0.046591085	19.09906561
1.20024085	-0.129776444	-0.039456709	20.02145578

BIO_xii_1_avg	BIO_xii_t1_avg	BIO_xii_t8_avg	BIO_xii_l1_avg	BIO_xiii_1_avg
0.044247993	0.04244498	0.036302006	0.03377281	-7.51569E-05
0.048119485	0.044609166	0.036502031	0.030802595	-0.000105244
0.044202876	0.042481423	0.036354073	0.033751602	-7.52363E-05
0.048125733	0.044589594	0.036492631	0.03081794	-0.000105601
0.044263938	0.042484956	0.036362146	0.033743004	-7.61433E-05
0.048146325	0.04449485	0.036408245	0.030773946	-0.000105904
0.044146959	0.042499042	0.036398098	0.033728948	-7.51612E-05
0.04830188	0.044548046	0.036391992	0.030808561	-0.000106877
0.044188423	0.042531156	0.03642143	0.033707504	-7.52775E-05
0.048164632	0.044323269	0.036361897	0.030754829	-0.000105802
0.044040782	0.042416955	0.036433932	0.033662645	-7.48192E-05
0.04824732	0.04434	0.036348982	0.030751664	-0.000106869
0.044050929	0.042451892	0.036435953	0.033688547	-7.56847E-05
0.048251681	0.044263428	0.036308781	0.030774774	-0.000106631
0.044056043	0.042368251	0.03645999	0.033684589	-7.48452E-05
0.04830237	0.044306977	0.036329923	0.030794786	-0.000106813
0.044047737	0.042352082	0.036448034	0.033633372	-7.51653E-05
0.048275899	0.044213642	0.036254678	0.030774513	-0.000107061
0.043994877	0.042392471	0.036436487	0.03363988	-7.47746E-05
0.048317661	0.044206764	0.036228956	0.030781558	-0.000107484
0.043959294	0.042440533	0.036486702	0.033616785	-7.45354E-05
0.048362934	0.044139362	0.036235589	0.030766097	-0.000108001
0.044040997	0.042386733	0.036514875	0.033633517	-7.62394E-05
0.048446236	0.044200002	0.036200366	0.030761354	-0.000108634
0.044051532	0.042331216	0.036497442	0.033616831	-7.5886E-05
0.048337983	0.044142232	0.036195789	0.030803006	-0.000108278
0.044013632	0.042309347	0.03646221	0.033626174	-7.55255E-05
0.048482897	0.044128066	0.036150941	0.030764899	-0.000109177
0.044042641	0.04232814	0.036503853	0.033601617	-7.67655E-05
0.048407281	0.044055712	0.036171062	0.030800973	-0.000109127
0.043984629	0.042341569	0.036463459	0.033625106	-7.60741E-05
0.04845122	0.044068726	0.036144553	0.030782304	-0.000109786
0.043996667	0.042252666	0.036513511	0.033636486	-7.57015E-05
0.048414096	0.044041952	0.036142818	0.030791925	-0.000109897
0.044039193	0.042265063	0.036521616	0.033626971	-7.67204E-05
0.048432869	0.043989233	0.036100997	0.030837917	-0.000110007
0.043944277	0.042252464	0.036477899	0.033648401	-7.62828E-05
0.048464037	0.043968529	0.036086651	0.030836416	-0.000110217
0.043882755	0.04224075	0.03651439	0.033674588	-7.55849E-05
0.048450214	0.043948907	0.036090135	0.030841677	-0.000110166
0.043872784	0.042254149	0.036488682	0.033667943	-7.49981E-05
0.048464481	0.043909801	0.036067636	0.030832035	-0.00011033
0.043914	0.042269653	0.036541188	0.033720717	-7.59242E-05
0.048316721	0.043821752	0.036094983	0.030825178	-0.000109175
0.043897684	0.042291184	0.036562786	0.033702928	-7.53321E-05
0.048361292	0.043808192	0.036081394	0.030841809	-0.000109034

0.043922913	0.042297668	0.036581796	0.033736158	-7.49831E-05
0.048294614	0.043746917	0.036069032	0.030848219	-0.000108718
0.04372887	0.042261667	0.036605339	0.03370537	-7.39702E-05
0.048353054	0.043764354	0.03607235	0.030834752	-0.000108675
0.043713868	0.042265618	0.036593847	0.033771891	-7.27688E-05
0.048346526	0.043715128	0.03605167	0.030847293	-0.000108962
0.043728189	0.042229466	0.036566925	0.033794107	-7.3531E-05
0.0484934	0.043718366	0.036041202	0.030861988	-0.000109631
0.04368412	0.042203412	0.036533135	0.033779948	-7.30401E-05
0.04835621	0.04362148	0.035998359	0.030814913	-0.000109044
0.043674202	0.042197538	0.036544575	0.033798723	-7.28851E-05
0.048421375	0.043646125	0.035978861	0.030852794	-0.000109053
0.04366688	0.042188479	0.036525645	0.033778827	-7.24606E-05
0.04835049	0.043632756	0.035975142	0.03085732	-0.00010903
0.043674966	0.042188534	0.036553126	0.033825169	-7.309E-05
0.048369095	0.04362574	0.035975488	0.030864961	-0.000108801
0.043632288	0.042292816	0.036541066	0.033788758	-7.29587E-05
0.048503893	0.043526305	0.035941325	0.03087711	-0.000109492
0.043634501	0.042167055	0.036479237	0.033763265	-7.31762E-05
0.048468922	0.043486614	0.035913802	0.030863784	-0.000109363
0.043694151	0.042117929	0.036506746	0.033745589	-7.31908E-05
0.048504275	0.043417007	0.035903212	0.030875256	-0.000109429
0.043703905	0.042224718	0.036484797	0.033778456	-7.38041E-05
0.048426002	0.043367236	0.035901784	0.030863173	-0.000108714
0.043626845	0.042193158	0.036444899	0.033784061	-7.29099E-05
0.048351571	0.043229214	0.035878438	0.030809758	-0.000108415
0.043668452	0.042118669	0.036499198	0.033855756	-7.29032E-05
0.04845997	0.043299987	0.035856264	0.030887374	-0.000108388
0.04363112	0.042151104	0.036456187	0.033810895	-7.27302E-05
0.048465225	0.04324452	0.035841313	0.030875414	-0.000108746
0.043645228	0.042114451	0.03641039	0.033802824	-7.27972E-05
0.048482458	0.043215075	0.035842569	0.030872256	-0.000108844
0.043618684	0.042134242	0.036421298	0.033825753	-7.31497E-05
0.048437231	0.043179133	0.035809932	0.030892109	-0.000108548
0.043604758	0.042156321	0.036380411	0.033825941	-7.25814E-05
0.048284632	0.043040101	0.035788818	0.030893464	-0.000108202
0.043549727	0.042175229	0.036370934	0.033849713	-7.20482E-05
0.048385933	0.04309529	0.035811182	0.030911505	-0.000108443
0.043514276	0.042161089	0.03637742	0.03384476	-7.17802E-05
0.048491696	0.043138047	0.035768351	0.030946053	-0.000109114
0.043524138	0.042190592	0.036371205	0.033861428	-7.14355E-05
0.048342285	0.042964985	0.035823565	0.030892952	-0.000108802
0.043479783	0.042179233	0.036360264	0.033866967	-7.15563E-05
0.048368002	0.043038663	0.035732213	0.030937567	-0.000108344
0.0434476	0.042244753	0.036346148	0.033833359	-7.1967E-05
0.048437246	0.043047605	0.035784644	0.030969326	-0.000109178
0.043366017	0.042206374	0.036325603	0.033864119	-7.13601E-05

0.048372097	0.042970545	0.035745745	0.030973652	-0.000108473
0.043363339	0.042191422	0.036317518	0.033843418	-7.18494E-05
0.048519912	0.042963101	0.035769227	0.030976378	-0.000109868
0.04348158	0.042290218	0.03630093	0.033898525	-7.2151E-05
0.048490891	0.042868067	0.035785355	0.030981758	-0.000109836
0.043369186	0.042254536	0.036305936	0.033906767	-7.1589E-05
0.04849537	0.042871385	0.035770694	0.030989762	-0.000110308
0.043355656	0.042271059	0.036307557	0.033891038	-7.20103E-05
0.048513261	0.04285663	0.035746664	0.031023939	-0.000110304
0.043348513	0.042217391	0.036305494	0.033859432	-7.13884E-05
0.04853007	0.042871419	0.035719034	0.031038173	-0.000110985
0.043302824	0.042266789	0.036270651	0.033873571	-7.17218E-05
0.048413272	0.042695102	0.035720391	0.031004662	-0.000110235
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0.048501293	0.042674821	0.035719588	0.031006072	-0.000110686
0.043396227	0.042309689	0.036289125	0.033885933	-7.17802E-05
0.048423638	0.04262906	0.035687135	0.031011215	-0.000110386
0.043304744	0.042326634	0.036281863	0.033877895	-7.1933E-05
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0.043261599	0.042294135	0.036330697	0.033894078	-7.11613E-05
0.048416771	0.042524161	0.035686004	0.030987753	-0.000110841
0.043229588	0.042332588	0.036345872	0.033887137	-7.1806E-05
0.048408124	0.042465045	0.035668446	0.030978224	-0.000111413
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0.0484469	0.042511017	0.035647525	0.031007127	-0.000111684
0.043210448	0.042338332	0.036401886	0.033920264	-7.07926E-05
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0.043249004	0.042358621	0.036380398	0.03390713	-7.17369E-05
0.048416445	0.042378713	0.035659567	0.030975954	-0.000111446
0.043213326	0.042368435	0.036374064	0.033927323	-7.17349E-05
0.048415521	0.04233922	0.035653812	0.030970665	-0.000111347
0.043125275	0.042314042	0.036359033	0.033912216	-7.05185E-05
0.048439958	0.042348745	0.035670168	0.030978096	-0.000111567
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0.043931961	0.040487262	0.03609941	0.031300917	-5.06222E-05
0.042876152	0.040637635	0.036596202	0.03042369	-3.8296E-05
0.043919339	0.040477483	0.036064308	0.031291098	-5.06142E-05
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0.043002652	0.040598189	0.036514507	0.030468532	-3.84846E-05
0.043953006	0.040445747	0.035849622	0.031270582	-5.19261E-05
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0.043990826	0.040427689	0.035777969	0.031219165	-5.34013E-05
0.043067746	0.040561794	0.036469491	0.030401551	-3.81262E-05
0.043988181	0.040423291	0.035741226	0.031203018	-5.36793E-05
0.043088736	0.040546388	0.036469595	0.03040643	-3.82034E-05
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0.043111319	0.040518183	0.036454664	0.030404536	-3.80045E-05
0.04404007	0.040437692	0.03564056	0.031205169	-5.43954E-05
0.043135098	0.040491904	0.036468053	0.030420016	-3.74618E-05
0.044042875	0.040438862	0.035597011	0.031211967	-5.44404E-05
0.043175155	0.040484425	0.036496325	0.030400597	-3.68482E-05
0.044062107	0.040445832	0.035554143	0.031211597	-5.45636E-05
0.04320095	0.040436639	0.036486755	0.030425787	-3.67888E-05
0.04407272	0.040457681	0.035515733	0.031195826	-5.52361E-05
0.043216066	0.040439584	0.036458473	0.030415844	-3.67459E-05
0.044091908	0.040456157	0.035490996	0.031189203	-5.5474E-05
0.043250297	0.040388593	0.036416293	0.03042677	-3.7009E-05
0.044095489	0.040421123	0.035478323	0.031180758	-5.46087E-05
0.043292391	0.040362131	0.036418373	0.030426086	-3.7538E-05
0.04410951	0.040426265	0.03545449	0.031192584	-5.51644E-05
0.043325441	0.040360837	0.036390203	0.030410856	-3.81301E-05
0.044115433	0.040437555	0.035460871	0.031178342	-5.54015E-05
0.043354753	0.040326928	0.036374745	0.030445304	-3.86076E-05
0.044134861	0.040448869	0.035434675	0.031166871	-5.58749E-05
0.043385616	0.040319602	0.036380715	0.030446189	-3.89804E-05
0.044147776	0.040440245	0.035409383	0.031173389	-5.60319E-05
0.04340917	0.040315674	0.036359056	0.030482984	-3.99733E-05
0.044152942	0.040426062	0.035423158	0.031166901	-5.60804E-05
0.043429243	0.040306099	0.03634917	0.030487898	-4.02206E-05
0.044197234	0.0404351	0.035427144	0.031149711	-5.63535E-05
0.043459246	0.040288525	0.03633464	0.030491128	-4.05984E-05
0.044206621	0.040409142	0.035416815	0.031139547	-5.65794E-05
0.043473791	0.040278422	0.036304526	0.030506017	-4.13102E-05
0.044225742	0.040401245	0.03541951	0.031108017	-5.67367E-05
0.043490191	0.040264503	0.036307323	0.03053006	-4.16267E-05
0.044246235	0.040392541	0.035429847	0.031119973	-5.69268E-05
0.043514558	0.040255784	0.036287837	0.030553184	-4.22402E-05
0.044259071	0.040386028	0.035453082	0.031070138	-5.70099E-05
0.043526012	0.040259113	0.036275276	0.030566285	-4.30863E-05
0.044268785	0.040370604	0.035457133	0.031052416	-5.74274E-05

0.04354025	0.040240707	0.036252927	0.030571079	-4.39845E-05
0.044285191	0.040362562	0.035484089	0.031057065	-5.78544E-05
0.043561209	0.040238424	0.036238468	0.030571847	-4.44845E-05
0.044301287	0.040353554	0.035483558	0.031031699	-5.81409E-05
0.043567173	0.04024308	0.036222112	0.030569429	-4.51124E-05
0.044310823	0.040332907	0.035481217	0.031028887	-5.88994E-05
0.043579805	0.040227909	0.03623108	0.030577114	-4.56139E-05
0.0443065	0.04031181	0.035480963	0.031009925	-5.92946E-05
0.043579464	0.040219065	0.036203676	0.030579837	-4.57891E-05
0.044331647	0.040301434	0.035452652	0.031028505	-6.08632E-05
0.04358356	0.040212471	0.036214992	0.030588796	-4.56823E-05
0.044327031	0.040282548	0.035466462	0.030988409	-6.04361E-05
0.043593882	0.040210866	0.036205427	0.030582929	-4.56429E-05
0.044321895	0.040259089	0.035454482	0.030996814	-6.07573E-05
0.043594137	0.040188351	0.036172921	0.030572422	-4.54443E-05
0.044334197	0.040239642	0.035414303	0.031028794	-6.06542E-05
0.043602608	0.040188447	0.03620534	0.030560531	-4.58891E-05
0.044340049	0.040235076	0.035406237	0.031016871	-6.05459E-05
0.043607225	0.040182771	0.036230313	0.030549094	-4.5903E-05
0.044335953	0.040213314	0.035403462	0.031018327	-6.07909E-05
0.043625602	0.040176654	0.036243963	0.030582106	-4.56522E-05
0.044343925	0.040201544	0.035380834	0.031033658	-5.99057E-05
0.043631926	0.040176819	0.036291255	0.030594901	-4.56784E-05
0.04433984	0.040165341	0.035391141	0.031031504	-6.02726E-05
0.04363558	0.040171004	0.036311514	0.030585558	-4.57836E-05
0.044348851	0.040171593	0.035387429	0.031042515	-6.02778E-05
0.043654224	0.040179062	0.036321679	0.030597204	-4.56427E-05
0.04434231	0.040150758	0.035430084	0.031039742	-6.07613E-05
0.043663757	0.040195052	0.036338754	0.030616044	-4.63256E-05
0.044347052	0.040139857	0.035456765	0.031046803	-6.05302E-05
0.043664466	0.040206683	0.03633031	0.030617176	-4.59464E-05
0.044357621	0.040127585	0.035466494	0.031062813	-6.12052E-05
0.043696583	0.040228745	0.036370024	0.030602	-4.69132E-05
0.044353822	0.040134721	0.035521911	0.031029833	-6.11965E-05
0.043703113	0.040212755	0.036345209	0.030570201	-4.64097E-05
0.044339028	0.040119218	0.035532253	0.031042984	-6.107E-05
0.043708163	0.040240876	0.036362628	0.03055518	-4.70223E-05
0.044336522	0.040124404	0.035604342	0.03107181	-6.09336E-05
0.043721244	0.040276843	0.036411505	0.030599932	-4.73459E-05
0.044326967	0.040110818	0.035615639	0.03105252	-6.08772E-05
0.043743474	0.040267631	0.036387842	0.030570387	-4.78623E-05
0.044316893	0.04011585	0.035675176	0.031097303	-6.08394E-05
0.043763687	0.040292425	0.036372466	0.030569324	-4.78677E-05
0.04430936	0.040094194	0.035674953	0.031066941	-6.07562E-05
0.043774874	0.040293993	0.03639297	0.030609525	-4.85308E-05
0.044292549	0.040097216	0.035706951	0.031078823	-6.07768E-05
0.043796041	0.040309671	0.036377706	0.03059746	-4.80791E-05

0.044278693	0.040094041	0.035724032	0.031084712	-6.07038E-05
0.043809793	0.040307938	0.036334202	0.030565446	-4.86176E-05
0.04426597	0.04008604	0.035718571	0.031108931	-6.07029E-05
0.043829396	0.040301327	0.036324137	0.030584733	-4.82183E-05
0.044259546	0.040085494	0.03572894	0.031120889	-6.09271E-05
0.043843817	0.040316729	0.036293066	0.030575214	-4.82907E-05
0.044241581	0.040078173	0.035739213	0.03113868	-6.07297E-05
0.043855703	0.040299412	0.036234601	0.030553882	-4.8243E-05
0.044245303	0.040089849	0.035735077	0.031146963	-6.10655E-05
0.043877277	0.040300079	0.036162117	0.030515241	-4.83619E-05
0.04422949	0.040064023	0.035722107	0.031156751	-6.11462E-05
0.043891519	0.040290167	0.036148755	0.030539727	-4.85137E-05
0.044235765	0.040092505	0.035680616	0.031184706	-6.14212E-05
0.043907249	0.040304407	0.036086013	0.030495187	-4.82713E-05
0.044213787	0.040091157	0.035648364	0.031209255	-6.1184E-05
0.04391839	0.040286021	0.03603133	0.03046672	-4.85134E-05
0.044210272	0.040103543	0.035635118	0.031216563	-6.0937E-05
0.043933964	0.040291859	0.036007087	0.030496887	-4.92606E-05
0.044194928	0.040123161	0.035558959	0.031247913	-6.07565E-05
0.043946939	0.04029613	0.035956706	0.030464474	-4.88794E-05
0.044199417	0.040127076	0.035512353	0.031247539	-6.08103E-05
0.043960656	0.040283446	0.035904759	0.030466313	-4.91086E-05
0.044188354	0.040132463	0.035495027	0.031276697	-6.064E-05
0.043975992	0.040303853	0.03587206	0.030456804	-4.90031E-05
0.044178068	0.040140549	0.035442917	0.031293427	-6.05595E-05
0.043978977	0.040293362	0.035870407	0.03044787	-4.91228E-05
0.044176718	0.040137033	0.035427629	0.031298042	-6.0611E-05
0.043992273	0.0402878	0.035828927	0.030446953	-4.95407E-05
0.044178007	0.040154564	0.035410965	0.031321897	-6.07586E-05
0.044010089	0.040298849	0.035827718	0.030429982	-5.01885E-05

BIO_xiii_t1_avg	BIO_xiii_t8_avg	BIO_xiii_l1_avg	BIO_xiii_1_summe	BIO_xiii_t1_summe
-1.44933E-05	-2.14094E-06	-2.04565E-05	10.90298628	10.9935236
-2.64564E-05	1.93296E-05	-1.07595E-05	9.921783156	12.75506062
-1.22473E-05	-3.73137E-06	-3.30721E-05	10.86839073	11.0062563
-2.5624E-05	1.45756E-05	-9.21647E-06	9.941568178	12.64987225
-1.29982E-05	-2.19268E-06	-2.75173E-05	10.84287817	10.92048012
-2.69123E-05	1.25347E-05	-7.53695E-06	10.04610763	12.66421823
-1.29228E-05	-1.00911E-05	-3.31981E-05	10.80946801	10.98714144
-2.68932E-05	1.85361E-05	-1.0825E-05	10.01684196	12.59487764
-1.15787E-05	-6.22369E-06	-1.93525E-05	10.77038492	10.95297831
-2.64352E-05	1.07233E-05	-2.54916E-06	10.24553704	12.63563286
-6.18815E-06	-1.32073E-05	-1.97637E-05	10.69725496	10.91786884
-2.45785E-05	1.02204E-05	-5.9154E-06	10.14957868	12.40737036
-1.2196E-06	-2.24596E-05	-2.07527E-05	10.66944943	10.95276557
-2.41373E-05	8.7829E-06	-3.65575E-06	10.22838	12.36715079
-7.88897E-06	-2.48285E-05	-2.74619E-05	10.63084817	10.98721292
-2.58604E-05	1.06486E-05	-5.1499E-06	10.12529992	12.31084008
-5.09061E-06	-3.0028E-05	-9.37343E-06	10.61458288	11.00930354
-2.17921E-05	4.15493E-06	7.1833E-08	10.16635404	12.24240547
-6.30097E-06	-3.38239E-05	-1.12483E-05	10.62904174	11.07303324
-2.12067E-05	3.33246E-06	7.36904E-07	10.20775076	12.2773031
-2.55114E-06	-3.61703E-05	-7.89063E-06	10.65706464	11.10925432
-1.95822E-05	2.00017E-06	3.05483E-06	10.25316207	12.27380587
-9.90506E-07	-3.87221E-05	-4.76521E-06	10.71691372	11.15626446
-1.9933E-05	4.46104E-06	4.30328E-07	10.1472041	12.27026907
-3.8354E-06	-3.7398E-05	-7.98099E-06	10.71708839	11.18053898
-1.82865E-05	-1.19768E-07	6.87324E-06	10.09388059	12.28487636
-3.15645E-06	-3.6611E-05	-6.28727E-06	10.78005576	11.20808493
-1.86388E-05	4.86373E-07	3.82957E-06	10.10238876	12.32678392
1.61317E-06	-4.02179E-05	-3.77279E-06	10.85271212	11.27695383
-1.57577E-05	-4.45862E-06	1.10642E-05	10.00985193	12.30672067
1.28674E-06	-3.63553E-05	-5.36096E-06	10.92383929	11.32784997
-1.41244E-05	-5.40948E-06	1.25844E-05	10.13551419	12.30724295
-6.31945E-07	-4.24684E-05	-4.69747E-06	10.93120153	11.31172503
-1.40311E-05	-7.46449E-06	1.60057E-05	9.996776228	12.2793511
2.17439E-06	-4.46808E-05	-3.13318E-06	11.03335121	11.43752112
-1.37421E-05	-9.32154E-06	1.88089E-05	9.897134845	12.31357234
2.67729E-06	-3.66847E-05	-6.26176E-06	11.13768277	11.52310404
-1.28362E-05	-1.09098E-05	1.95698E-05	9.870635912	12.32644093
3.21825E-06	-3.64542E-05	-1.40326E-05	11.27368479	11.56276175
-1.3414E-05	-1.35026E-05	2.29244E-05	9.752270515	12.26876226
8.00356E-07	-3.54116E-05	-1.95559E-05	11.28335515	11.57733724
-1.35425E-05	-1.39045E-05	2.37716E-05	9.637433424	12.28086237
5.537E-06	-3.44589E-05	-1.7541E-05	11.42875979	11.58422164
-1.40203E-05	-1.30263E-05	2.98614E-05	9.64180498	12.22516978
2.82681E-06	-3.9401E-05	-1.62897E-05	11.53474363	11.5894642
-1.4137E-05	-1.10736E-05	2.81148E-05	9.570775602	12.24380066

1.63201E-06	-3.54982E-05	-2.22758E-05	11.59209532	11.56649464
-1.44314E-05	-1.08855E-05	2.91258E-05	9.468250868	12.22072981
3.75328E-06	-4.4559E-05	-1.91435E-05	11.72096166	11.54158306
-1.55002E-05	-9.41254E-06	2.77983E-05	9.301997556	12.28874699
-3.11412E-06	-5.01858E-05	-2.88267E-05	11.80385109	11.53781399
-1.50161E-05	-9.92443E-06	2.82926E-05	9.375591047	12.25761617
3.63028E-06	-4.69157E-05	-2.95883E-05	11.92973962	11.45221922
-1.56645E-05	-9.7879E-06	3.00249E-05	9.277884399	12.23199362
2.17046E-07	-4.773E-05	-3.19464E-05	11.9810079	11.38075785
-1.39123E-05	-4.74555E-06	2.66991E-05	9.216971375	12.21379361
-1.38087E-07	-4.90219E-05	-3.01201E-05	12.06960425	11.32501114
-1.57492E-05	-6.06662E-06	2.65714E-05	9.149716498	12.20479604
-3.07865E-06	-5.03414E-05	-2.70165E-05	12.10127236	11.27700805
-1.45334E-05	-5.76247E-06	2.29786E-05	9.124562337	12.17599394
3.43968E-06	-4.77308E-05	-2.80246E-05	12.16263642	11.16984097
-1.5584E-05	-3.88193E-06	2.3471E-05	9.256434951	12.18119805
3.76653E-06	-5.00571E-05	-2.3383E-05	12.16735262	11.11094424
-1.47179E-05	-4.22447E-06	2.55093E-05	9.39057311	12.14104124
3.48992E-06	-4.84031E-05	-2.44078E-05	12.11440106	11.04381404
-1.45191E-05	-2.90507E-06	1.66647E-05	9.264850894	12.10895411
-4.84877E-07	-5.08118E-05	-2.43327E-05	12.18240389	10.99879536
-1.42822E-05	-2.14373E-06	1.58986E-05	9.363960599	12.09584237
3.00265E-06	-4.70858E-05	-2.62379E-05	12.27006514	10.88428372
-1.49828E-05	-2.72103E-06	1.94142E-06	9.38483085	12.03992388
6.11798E-06	-5.32876E-05	-2.13401E-05	12.28755275	10.82688648
-1.31183E-05	-2.24691E-06	-1.55472E-07	9.510382768	12.0052708
2.7721E-06	-5.22904E-05	-2.07575E-05	12.29752571	10.68521781
-1.59244E-05	-1.90302E-06	-2.44318E-06	9.575631183	11.99264481
6.02901E-06	-5.53587E-05	-2.15271E-05	12.33766241	10.63404162
-1.43202E-05	-8.45433E-07	-1.92089E-06	9.684083206	11.95569876
2.50685E-06	-5.32841E-05	-1.83441E-05	12.31089796	10.44472595
-1.43398E-05	-3.76675E-06	-4.4008E-06	9.755924244	11.87058585
9.15086E-06	-5.69938E-05	-1.83924E-05	12.42595745	10.55563121
-1.41276E-05	-5.48038E-07	-3.55875E-06	9.847478622	11.83370852
6.96112E-06	-5.09421E-05	-1.69623E-05	12.40678148	10.42737004
-1.28442E-05	-6.58848E-06	-4.65666E-06	10.03279824	11.74548366
6.74221E-06	-5.53924E-05	-1.72105E-05	12.38974452	10.44356476
-1.35354E-05	-3.07095E-06	-4.54867E-06	10.03893935	11.75820197
8.69417E-06	-6.40799E-05	-1.80943E-05	12.43781112	10.43196254
-1.4479E-05	-2.91215E-06	-4.67778E-06	10.18446747	11.744302
7.70571E-06	-6.23908E-05	-1.78421E-05	12.50645765	10.40874842
-1.28003E-05	-4.93389E-06	-4.57742E-06	10.2137328	11.603093
8.62766E-06	-5.91949E-05	-1.86909E-05	12.5417097	10.42809353
-1.5214E-05	-6.78582E-06	-4.99646E-06	10.26641008	11.6453796
1.27198E-05	-6.56742E-05	-2.36542E-05	12.61753462	10.511622
-1.37059E-05	-7.18804E-06	-6.75695E-06	10.34578664	11.60772863
1.26969E-05	-6.92942E-05	-2.52217E-05	12.62206834	10.56777982

-1.50879E-05	-4.45579E-06	-5.013E-06	10.34894632	11.59535926
1.3248E-05	-6.61454E-05	-2.98747E-05	12.78041243	10.57091432
-1.33967E-05	-4.86345E-06	-5.19967E-06	10.43667279	11.6211401
1.37814E-05	-6.20604E-05	-2.06104E-05	12.61248335	10.59443365
-1.18192E-05	-4.92557E-06	-3.62933E-06	10.53691608	11.5163891
1.26923E-05	-6.57245E-05	-2.76449E-05	12.77914039	10.59382623
-1.1029E-05	-4.76108E-06	-4.44235E-06	10.70911141	11.48109707
1.76457E-05	-6.64654E-05	-3.09657E-05	12.72590527	10.68515289
-1.20503E-05	-4.88548E-06	-3.8833E-06	10.71126632	11.39936449
1.16464E-05	-6.98001E-05	-2.85678E-05	12.7898381	10.67577452
-1.10314E-05	-4.30976E-06	-2.34582E-06	10.85602144	11.46321153
1.7844E-05	-6.57237E-05	-3.28571E-05	12.65481273	10.73125564
-1.05758E-05	-5.19604E-06	-3.01892E-06	10.92670224	11.3419526
1.86207E-05	-6.4885E-05	-3.20671E-05	12.73122296	10.74012791
-1.03559E-05	-3.59631E-06	1.32191E-07	11.02580276	11.3711697
1.38539E-05	-6.4934E-05	-3.17807E-05	12.62891669	10.76564508
-9.93057E-06	-1.42425E-06	-4.48328E-07	11.19704132	11.37361895
2.08418E-05	-6.28152E-05	-3.34204E-05	12.69356204	10.84005235
-7.51301E-06	-2.48739E-06	-3.3322E-06	11.37432448	11.48547065
1.41158E-05	-6.84441E-05	-3.30203E-05	12.68637413	10.82697257
-7.59909E-06	-2.75277E-07	-3.84534E-06	11.4363392	11.49963305
2.07391E-05	-6.58943E-05	-3.2989E-05	12.72043811	10.8778246
-4.9101E-06	-1.5226E-06	-6.48131E-06	11.49007284	11.60408753
2.0401E-05	-7.2109E-05	-3.01409E-05	12.74977269	10.91937879
-4.75863E-06	5.31389E-07	-8.06073E-06	11.57334144	11.64401592
1.77166E-05	-7.04008E-05	-3.04151E-05	12.65562903	10.88756152
-6.00875E-07	3.68307E-06	-7.87624E-06	11.81056211	11.74717243
2.09378E-05	-7.17951E-05	-2.97518E-05	12.76546933	10.93118413
-1.23733E-06	1.34864E-07	-9.41535E-06	11.80432881	11.71496735
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1.54183E-06	-6.56723E-07	-1.13779E-05	11.99154933	11.84648457
2.36794E-05	-7.03858E-05	-3.30379E-05	12.67247718	10.98806434
3.46716E-06	-7.33117E-07	-9.16282E-06	12.10981751	11.87461925
1.57219E-05	-7.73637E-05	-2.70342E-05	12.5931273	10.92573087
3.62072E-06	-8.10446E-08	-9.13441E-06	12.13898408	11.94792491
1.70191E-05	-7.86783E-05	-2.75955E-05	12.43064662	10.97792384
5.82395E-06	2.78687E-07	-9.44772E-06	12.2614222	12.02112887
-5.04777E-05	-9.26528E-05	-2.28668E-06	10.48738264	10.74986261
-5.24543E-05	-3.75344E-05	-1.76792E-05	10.91395034	12.38221173
-4.95849E-05	-9.13205E-05	-5.39214E-06	10.45162217	10.72338346
-6.03158E-05	-5.05065E-05	-1.57888E-05	10.87409431	12.39344037
-5.00876E-05	-9.05979E-05	-1.01881E-05	10.41587708	10.69333111
-5.50962E-05	-5.99343E-05	-1.08709E-05	10.84006956	12.33912095
-5.37748E-05	-8.88558E-05	-1.30858E-05	10.38071229	10.71700645
-6.00459E-05	-6.42639E-05	-9.87739E-06	10.80317152	12.33764135

-5.50432E-05	-8.39733E-05	-2.19122E-05	10.36401711	10.74631639
-5.98445E-05	-5.65965E-05	-6.30275E-06	10.7961648	12.2730745
-6.03961E-05	-8.52432E-05	-1.44207E-05	10.34124495	10.78148222
-5.41251E-05	-5.97472E-05	-1.0183E-05	10.75610714	12.2386994
-6.28819E-05	-7.52778E-05	-2.47939E-05	10.29789422	10.79355496
-4.85212E-05	-6.79444E-05	-1.89442E-06	10.72214159	12.16718568
-6.6204E-05	-7.66411E-05	-2.26117E-05	10.27052722	10.78429833
-5.57341E-05	-6.27986E-05	-1.88618E-06	10.69842017	12.20072961
-6.58843E-05	-8.23112E-05	-1.78805E-05	10.24900574	10.77872853
-5.55296E-05	-6.71947E-05	-2.41994E-07	10.68328431	12.14026919
-6.58681E-05	-7.8886E-05	-1.99535E-05	10.21679027	10.76005326
-5.56105E-05	-7.02693E-05	-5.53084E-06	10.6139526	12.11933751
-6.63193E-05	-7.01539E-05	-2.55366E-05	10.23776693	10.75949617
-5.44575E-05	-7.09764E-05	-2.23575E-06	10.57675773	12.07770432
-6.98463E-05	-6.58493E-05	-3.08191E-05	10.30741951	10.69935745
-5.52682E-05	-6.65018E-05	7.69968E-08	10.49807564	12.01581807
-6.96376E-05	-6.44635E-05	-3.10766E-05	10.35212575	10.67247623
-5.66381E-05	-7.25734E-05	-1.22946E-06	10.45779515	11.98548778
-7.32743E-05	-5.33536E-05	-4.52938E-05	10.45075634	10.65160112
-5.19525E-05	-8.09064E-05	-8.8584E-06	10.34320405	11.90298103
-7.19095E-05	-5.36136E-05	-4.6971E-05	10.54916949	10.61326329
-5.62423E-05	-7.45393E-05	-2.57416E-06	10.38499758	11.85234961
-7.28307E-05	-5.28762E-05	-5.21369E-05	10.65708631	10.59595728
-5.08914E-05	-7.53619E-05	-5.90649E-07	10.33677347	11.71336185
-6.86377E-05	-2.39613E-05	-7.48588E-05	10.82009316	10.59616752
-4.95337E-05	-7.99991E-05	-7.34226E-06	10.42826286	11.62167967
-6.87918E-05	-2.11496E-05	-8.30234E-05	10.94610006	10.572248
-4.87958E-05	-8.29709E-05	-4.42932E-06	10.41873385	11.56585775
-7.18527E-05	-2.83026E-05	-8.2253E-05	11.09626705	10.55615873
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-7.34364E-05	-3.40018E-05	-7.94873E-05	11.2879682	10.51750984
-4.22106E-05	-8.04251E-05	-9.74931E-06	10.41634165	11.43303328
-7.45503E-05	-3.60832E-05	-7.95579E-05	11.45868131	10.48431559
-3.97452E-05	-7.58915E-05	-1.71119E-05	10.3989307	11.37679292
-7.24056E-05	-4.13063E-05	-7.92512E-05	11.71146794	10.488051
-3.7479E-05	-7.59347E-05	-1.37381E-05	10.41866809	11.32237435
-7.62681E-05	-4.66437E-05	-7.78963E-05	11.80456596	10.4345315
-3.63425E-05	-7.61233E-05	-7.99701E-06	10.41088311	11.28282514
-7.62806E-05	-5.38477E-05	-7.08989E-05	11.93207723	10.41572465
-2.94478E-05	-7.10091E-05	-1.89181E-05	10.43739542	11.22896051
-7.59819E-05	-5.81828E-05	-6.3719E-05	12.22364175	10.34650955
-2.82532E-05	-7.15488E-05	-1.83397E-05	10.48490817	11.16989317
-7.55339E-05	-6.68846E-05	-5.4669E-05	12.21324417	10.30002903
-2.37536E-05	-7.35863E-05	-1.90624E-05	10.52543423	11.11129491
-7.80589E-05	-7.04137E-05	-4.88838E-05	12.50220654	10.33083042
-1.89577E-05	-6.66406E-05	-3.02915E-05	10.61760021	11.07598744
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-1.40487E-05	-6.5415E-05	-3.44423E-05	10.69803562	11.04377943
-6.97303E-05	-8.28511E-05	-3.68599E-05	12.89873299	10.25969567
-1.25203E-05	-7.09076E-05	-2.99646E-05	10.78179765	11.03581522
-6.46948E-05	-8.94567E-05	-2.05026E-05	13.03020546	10.18484855
-1.16243E-05	-6.52524E-05	-3.23738E-05	10.91652862	11.03757635
-5.93109E-05	-9.30646E-05	-2.00445E-05	13.17824103	10.11542798
-1.29417E-05	-6.8365E-05	-3.33926E-05	10.98548518	10.99560978
-5.32938E-05	-9.50978E-05	-6.37551E-06	13.33119325	10.03230554
-1.57444E-05	-5.79102E-05	-4.33085E-05	11.11669363	10.94754497
-3.74365E-05	-9.91183E-05	-4.10015E-07	13.45256972	9.891943671
-2.1958E-05	-6.34643E-05	-4.06279E-05	11.250041	10.95139866
-3.91374E-05	-9.93795E-05	6.66272E-06	13.56812361	9.844684219
-2.48559E-05	-5.69682E-05	-4.63633E-05	11.36043226	10.94265321
-3.50418E-05	-9.92719E-05	9.28471E-06	13.6809522	9.748146704
-2.64517E-05	-3.86424E-05	-5.54924E-05	11.43564568	10.94413644
-3.23862E-05	-9.08015E-05	7.6651E-06	13.79477197	9.676178506
-2.88311E-05	-3.88689E-05	-5.61506E-05	11.60148913	10.91724436
-3.29781E-05	-8.84319E-05	6.24548E-06	13.91933717	9.638683421
-3.01224E-05	-3.48152E-05	-6.11219E-05	11.69005181	10.91251571
-3.01339E-05	-9.56423E-05	4.6347E-07	14.05480648	9.636716623
-3.25832E-05	-2.87895E-05	-6.4001E-05	11.8112003	10.90027589
-3.27659E-05	-9.13505E-05	1.36821E-06	14.20023026	9.622120943
-3.60063E-05	-2.87521E-05	-6.94727E-05	11.9068426	10.91031067
-2.9644E-05	-9.35846E-05	-2.24152E-06	14.39949095	9.563422637
-3.98274E-05	-1.6223E-05	-7.94007E-05	12.03111016	10.89063818
-2.93059E-05	-9.11174E-05	1.90492E-06	14.60596551	9.578326285
-3.80937E-05	-1.46358E-05	-7.57504E-05	12.15603942	10.87836482
-2.88186E-05	-0.000100059	4.06586E-06	14.75236528	9.51109646
-3.44266E-05	-7.30739E-06	-8.58612E-05	12.26188155	10.87672719
-2.87931E-05	-0.000107941	1.73442E-05	14.97537529	9.360062649
-3.52008E-05	3.74516E-06	-8.98142E-05	12.42275903	10.87181111
-2.42595E-05	-0.000104228	8.43568E-06	15.09754566	9.332596423
-2.72606E-05	9.13594E-06	-9.01162E-05	12.54755984	10.85151603
-2.48727E-05	-0.000110738	1.79525E-05	15.23174388	9.204483853
-2.97748E-05	1.50256E-05	-8.18697E-05	12.65478399	10.85630349
-2.64528E-05	-0.000110886	1.91413E-05	15.446716	9.063963011
-2.87488E-05	1.68191E-05	-8.7889E-05	12.74646253	10.88558561
-2.43963E-05	-0.000111101	1.98206E-05	15.55281556	8.981140709
-2.58419E-05	2.44206E-05	-9.80159E-05	12.87581057	10.92456146
-2.74661E-05	-0.000110815	2.20039E-05	15.72752099	8.799558692
-1.81503E-05	2.1399E-05	-8.92756E-05	13.02180493	10.93858413
-2.45928E-05	-0.00011485	2.05666E-05	15.85804835	8.806698854
-1.75071E-05	1.93008E-05	-8.89938E-05	13.1375415	10.94862034
-2.37993E-05	-0.000109397	1.76915E-05	15.98451979	8.626480295
-1.58448E-05	2.55079E-05	-0.000100174	13.2935946	10.95477306
-2.15669E-05	-0.000109825	1.69532E-05	16.12724932	8.527772301
-1.8081E-05	2.37461E-05	-0.000100899	13.39024045	11.00674152

-2.14494E-05	-0.000105469	1.38641E-05	16.21978485	8.484034367
-1.39944E-05	1.18414E-05	-8.93732E-05	13.54598188	11.02756208
-1.8849E-05	-0.000105366	1.63105E-05	16.3602414	8.421862572
-1.82072E-05	2.40712E-05	-0.000100525	13.68082385	11.03707899
-1.4912E-05	-0.000100782	1.30442E-05	16.51134379	8.403441768
-1.88699E-05	2.06247E-05	-9.94238E-05	13.79809121	11.10519959
-1.35741E-05	-9.65707E-05	6.32681E-06	16.6088133	8.390960112
-1.83214E-05	2.22085E-05	-9.79394E-05	13.94210489	11.14723414
-8.28338E-06	-9.48043E-05	3.08701E-06	16.69982547	8.405110342
-1.63073E-05	1.31647E-05	-9.15828E-05	14.03049941	11.19214216
-7.31552E-06	-9.25643E-05	-4.21718E-06	16.79622783	8.409778127
-1.58293E-05	1.9042E-05	-9.71256E-05	14.21366364	11.21582078
-5.83644E-06	-9.554E-05	-1.63569E-06	16.96990486	8.39411917
-1.66282E-05	1.60114E-05	-9.07089E-05	14.3060686	11.31264642
-6.3555E-06	-9.07165E-05	-7.52213E-06	17.0659719	8.414437728
-1.71996E-05	8.38361E-06	-8.19317E-05	14.4230852	11.34209624
-7.03724E-06	-9.24214E-05	-7.23196E-06	17.16180724	8.442397968
-1.07212E-05	1.014E-05	-8.51613E-05	14.5586636	11.41916819
-5.92242E-06	-8.79395E-05	-1.03866E-05	17.27766969	8.468214973
-1.28226E-05	3.85949E-06	-7.8345E-05	14.71778856	11.49061903
-6.07836E-06	-8.51026E-05	-9.32406E-06	17.37871647	8.509110726
-1.2967E-05	4.09622E-06	-7.52057E-05	14.83415408	11.5473
-4.44435E-06	-8.53574E-05	-1.17024E-05	17.46491509	8.58347544
-1.31527E-05	4.26559E-06	-7.60901E-05	14.96880107	11.64531175
-4.83671E-06	-8.26006E-05	-1.31857E-05	17.58970162	8.591286576
-1.31421E-05	-1.09461E-06	-6.64926E-05	15.07272137	11.68503665
-3.97276E-06	-7.93153E-05	-1.50376E-05	17.70827451	8.645812616
-1.06268E-05	1.31553E-06	-7.16917E-05	15.18628622	11.77603026
-1.83062E-06	-6.88319E-05	-1.94859E-05	17.73346343	8.66157269
-5.91002E-06	-1.24073E-05	-6.36769E-05	15.33368264	11.81895692

BIO_xiii_rel_summe_3	BIO_s_res_1_max	BIO_s_res_t1_max	BIO_phi_z_1_max
13.08138224	997.1236481	940.9933732	0.049705681
12.87392189	1068.373058	979.2524358	-0.07901901
13.07715453	996.494434	940.7694424	0.049704995
12.75334671	1067.966632	979.0044966	-0.078859732
12.95219369	997.006697	940.9176914	0.050603844
12.90269214	1067.229994	978.4113234	-0.07900691
12.98404957	995.3369591	940.2794958	0.05080438
13.01994364	1069.344154	979.6127856	-0.078841254
12.99960891	995.7877137	940.4877173	0.050505173
13.07695081	1065.805579	977.5317837	-0.078575417
13.07357851	992.7757468	938.6845521	0.050204914
13.19023478	1066.827442	978.0275207	-0.078800917
13.0809117	992.3671519	938.433118	0.05020481
13.30229432	1066.453718	977.8435301	-0.078728437
13.1581279	992.344767	938.5339723	0.049806137
13.37329052	1067.482156	978.5835809	-0.078653418
13.22838946	991.508798	938.0183952	0.049906422
13.48043227	1066.376798	977.7384696	-0.078526124
13.41247099	990.6384269	937.5719812	0.050106574
13.68945544	1066.47435	977.7848954	-0.078549512
13.51156111	990.5982245	937.8459351	0.050496675
13.86281688	1066.253898	977.5854541	-0.078491777
13.61486413	990.3915476	937.2399136	0.050207336
13.88185742	1067.139447	977.9850014	-0.078548007
13.67277052	990.3486305	937.2988339	0.050607752
13.82651237	1066.08125	977.430581	-0.078418165
13.73401466	989.535537	936.9022903	0.050905649
14.02373077	1067.125428	977.8521478	-0.078594044
13.88315843	989.3334904	936.5220903	0.050306328
13.93389772	1065.917256	977.2475443	-0.078453101
13.91444752	988.1765695	935.9979506	0.05120635
14.11593233	1066.099846	977.2703236	-0.078309089
13.94954246	988.2813001	936.223802	0.051206466
13.95407092	1065.487839	976.994123	-0.078366585
13.94657839	988.5326309	936.2701356	0.051605791
13.89498752	1065.33447	976.8209749	-0.078425191
14.05957405	986.7823579	935.3418916	0.051806085
13.89735808	1065.410171	976.826024	-0.078419156
14.07480116	985.5622705	934.7331105	0.052361723
13.76343338	1064.99774	976.6082425	-0.078429267
14.02408806	985.4849979	934.7851931	0.052403223
13.67114792	1064.884619	976.4776795	-0.078512408
13.98433038	986.2174142	935.3747466	0.052303232
13.60257094	1063.272756	975.897627	-0.078578286
14.0060019	985.4523666	934.9112877	0.052717764
13.45277501	1063.521103	975.9950926	-0.078760006

14.0050694	985.3362711	934.7539481	0.052603383
13.31015328	1062.468615	975.3677962	-0.078571208
14.09388304	982.4384183	933.4457096	0.053597257
13.28099359	1062.895812	975.6820727	-0.078760222
14.03407978	981.9673514	933.2663193	0.0536245
13.21332858	1062.436779	975.3539168	-0.078898557
14.03961842	981.0500269	932.5690592	0.053532314
13.12410399	1063.921132	976.0822957	-0.07887844
13.93413528	980.3226918	932.3662111	0.054529667
12.9126907	1061.97939	975.084519	-0.078944564
14.04760188	980.0066492	932.3810839	0.054943278
12.89517003	1062.659266	975.4335465	-0.079078376
13.99310676	979.4097025	931.9862995	0.055158563
12.8014383	1061.696751	974.9101305	-0.079065405
13.96973833	979.149688	931.8555436	0.05514314
12.80983085	1061.674296	974.9930961	-0.079025388
13.94878776	978.7967463	931.827148	0.055247326
12.75581309	1062.440483	975.1759759	-0.078835681
13.88264305	977.781612	931.0901345	0.05565602
12.64013613	1061.534795	974.6467519	-0.079033725
13.82358463	978.6213302	931.707283	0.05603775
12.57803419	1061.602945	974.6377527	-0.078985453
13.87955229	978.5323733	931.6028707	0.056055207
12.58204735	1060.416484	974.0754461	-0.079076983
13.83457673	976.8996914	930.7961154	0.056297723
12.53986717	1058.818009	973.2682862	-0.079053484
13.76327322	976.494854	930.4588597	0.056547757
12.57724257	1060.109066	973.869931	-0.079070866
13.85272935	976.0166269	930.4138157	0.057342019
12.61609727	1059.775287	973.6848844	-0.079156712
13.72674355	975.5870204	930.0136278	0.056730583
12.50327091	1059.906458	973.8185111	-0.079108223
13.90729912	975.0041222	930.0109703	0.057436466
12.5631896	1059.194261	973.398442	-0.079278715
13.87804444	974.1505178	929.4324935	0.056909055
12.55351518	1056.961309	972.0761903	-0.079340108
14.01337953	973.5690931	929.1526752	0.057163782
12.54636995	1058.234839	972.8647588	-0.079472706
14.13340255	972.5964087	928.7455382	0.057167735
12.67248977	1059.188936	973.2438788	-0.079373889
14.32011609	972.473655	928.723191	0.057904642
12.60003464	1056.477126	971.9060417	-0.079503171
14.61290055	971.1437381	927.8689274	0.057692342
12.61204953	1057.311492	972.2753901	-0.079549931
14.83736523	971.1477079	928.3022147	0.057886545
12.74288879	1057.63707	972.4978755	-0.079549074
15.05747661	969.4011438	927.3072375	0.058058035

12.60220503	1056.765185	971.9802168	-0.079796851
15.13813232	968.9430691	927.1399737	0.058898736
12.68293119	1057.587371	972.263718	-0.079555139
15.17757612	970.6839843	927.9669626	0.05754986
12.62996106	1056.546582	971.7261613	-0.079658628
15.50535343	968.6869769	927.1567037	0.058942344
12.8074763	1056.126571	971.4462284	-0.079500362
15.51255571	968.2773787	926.8903413	0.058529895
12.870278	1056.25555	971.5110209	-0.079821549
15.62170835	967.8406629	926.6860365	0.058801342
13.00618284	1056.599601	971.6710786	-0.079882696
15.76971934	966.9176479	926.2077002	0.0584924
12.94653603	1053.890117	970.1785791	-0.079645589
15.89064113	967.4731919	926.3482979	0.058334097
13.0477936	1054.664126	970.5958544	-0.079880096
15.89454309	967.6594718	926.59328	0.058377549
13.23058363	1053.571549	969.985782	-0.079896838
16.05332105	966.2612448	926.0904278	0.058632184
13.54309774	1054.064678	970.2349183	-0.079982996
16.13551554	964.8320414	925.1652047	0.058649696
13.48402611	1052.840887	969.6034795	-0.080002092
16.40672522	964.2588726	924.98879	0.059028968
13.66618185	1052.386631	969.2714152	-0.079934731
16.45890013	963.3739621	924.5794325	0.058836736
13.78871689	1052.937337	969.5149198	-0.080056243
16.4295018	963.4634563	924.6658305	0.05863991
13.92604273	1051.853728	968.9104357	-0.080037378
16.54625026	963.9907673	924.961818	0.058923174
14.02035399	1051.402342	968.6906366	-0.080117971
16.64116456	963.1676774	924.5163686	0.059134215
14.16962996	1051.201037	968.608774	-0.080226742
16.64474754	961.6382326	923.9407578	0.059721496
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-0.066927344	-0.309895188	0.307783633	7.270112672
0.064695403	-0.330591142	0.309046179	5.145888769
-0.066994466	-0.310820729	0.308154106	7.240281065
0.06490276	-0.331400901	0.309530944	5.169892036
-0.067120351	-0.311793238	0.308424324	7.241163345
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-0.067278244	-0.314530849	0.308829725	7.183551051
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-0.06738662	-0.315773696	0.309267998	7.179542338
0.065519281	-0.330147892	0.31084162	5.187135895
-0.067508817	-0.316067219	0.309416682	7.214164486
0.065704398	-0.329847336	0.31107074	5.211289612
-0.06753733	-0.317607641	0.309867918	7.22170454
0.065900549	-0.329143018	0.31120351	5.230572171
-0.067550093	-0.318779469	0.310227245	7.277371414
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-0.067627758	-0.320069462	0.310511112	7.284457196
0.066100791	-0.327246964	0.311811507	5.228608096
-0.067654893	-0.320745677	0.310851097	7.306195835
0.066200733	-0.326519936	0.312003851	5.253927993
-0.067778319	-0.321911871	0.310964942	7.310925868
0.066255838	-0.325831324	0.312250763	5.232748869
-0.067817546	-0.322843194	0.311293274	7.29116734
0.066419944	-0.324914485	0.312406152	5.291779499
-0.067881413	-0.323266387	0.311424583	7.25671993
0.066496819	-0.32510516	0.313195229	5.321156411
-0.06793417	-0.324211508	0.311609387	7.261228663
0.066615634	-0.324276149	0.313742489	5.37448339
-0.067944616	-0.324435443	0.311785668	7.25900774
0.066781551	-0.32382223	0.313863963	5.391833857
-0.06798742	-0.324464619	0.311963826	7.233065725
0.066715777	-0.323165298	0.314610124	5.392398136
-0.068005346	-0.325019509	0.312189519	7.228631204
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-0.068088152	-0.324985623	0.312318802	7.186087662
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0.067591198	-0.315959662	0.316695452	5.494786927
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0.067583427	-0.314435601	0.316860467	5.477982414
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0.067807317	-0.311450839	0.317614049	5.486361534
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-0.068383649	-0.321313828	0.313375175	6.944037621
0.068211064	-0.306721419	0.318231225	5.489614971
-0.068408333	-0.320870966	0.313623846	6.926285704
0.068258427	-0.305302352	0.318071067	5.479593711
-0.068449624	-0.320032895	0.313322097	6.917278975
0.068365172	-0.304543287	0.317874759	5.479806302
-0.06844341	-0.320544004	0.313679039	6.918745009
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-0.068541825	-0.318360627	0.313995451	6.820299565
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-0.06853646	-0.318177253	0.313890427	6.81045086

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-0.068587586	-0.317430526	0.31402275	6.737213476
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-0.06863904	-0.317258507	0.314147204	6.726361767
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-0.068693765	-0.317300826	0.313913405	6.713113273
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-0.06872154	-0.316614807	0.313892663	6.723912294
0.070018455	-0.283895701	0.322412282	5.366528485
-0.068721242	-0.316549957	0.313841373	6.687878487
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-0.068731181	-0.316214472	0.313749373	6.676499478
0.070218667	-0.281365722	0.32302025	5.374263402
-0.068788879	-0.316043139	0.313740849	6.660342779
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-0.068746842	-0.315687895	0.31368348	6.650671094
0.070507631	-0.279343247	0.32344085	5.291006909
-0.068798341	-0.31536305	0.313535362	6.628884579
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-0.068853982	-0.31459868	0.313504934	6.635011585
0.070617996	-0.277239859	0.323924243	5.272896302
-0.068882749	-0.314366072	0.313367754	6.596983908
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BIO_dphi_res_1_t1_min	BIO_dphi_res_t1_t8_max	BIO_dphi_res_t1_t8_min
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3.43281E-05	11.24035354	2.74845E-05
4.57783E-05	10.84125162	4.68292E-05
3.43281E-05	11.27234807	2.74839E-05
4.58319E-05	10.84221601	4.68261E-05
3.43282E-05	11.30856531	2.74847E-05
4.57499E-05	10.8708115	4.6811E-05
3.43301E-05	11.32544734	2.74866E-05
4.58023E-05	10.87781667	4.67323E-05
3.43301E-05	11.39315048	2.74865E-05
4.57477E-05	10.90214962	4.66494E-05
3.41814E-05	11.43287336	2.74949E-05
4.57451E-05	10.92518506	4.68969E-05
3.41814E-05	11.48084505	2.74863E-05
4.57446E-05	10.92819625	4.68147E-05
3.433E-05	11.51130685	2.74116E-05
4.57481E-05	10.94270252	4.68246E-05
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4.56536E-05	10.93913457	4.69816E-05
3.433E-05	11.5555935	2.7537E-05
4.58436E-05	10.97618774	4.71715E-05
3.41815E-05	11.60841677	2.74115E-05
4.58422E-05	10.9834162	4.70925E-05
3.43335E-05	11.62392973	2.76564E-05
4.58378E-05	10.98374517	4.7177E-05
3.43336E-05	11.65205845	2.75351E-05
4.56474E-05	10.98741741	4.69885E-05
3.44165E-05	11.67562711	2.74992E-05
4.58428E-05	10.97743569	4.72518E-05
3.43336E-05	11.69531596	2.74986E-05
4.58321E-05	10.98999375	4.73277E-05
3.43389E-05	11.72365065	2.74183E-05
4.57492E-05	11.0054045	4.72493E-05
3.4337E-05	11.75142502	2.75346E-05
4.57494E-05	11.00318721	4.73324E-05
3.43389E-05	11.77943121	2.76269E-05
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3.43337E-05	11.81598874	2.75388E-05
4.57595E-05	11.03582102	4.71767E-05
3.43369E-05	11.82957477	2.77404E-05
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3.43465E-05	12.04270022	2.75481E-05
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3.4347E-05	12.26453675	2.7635E-05
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3.43471E-05	12.28929579	2.76369E-05
4.57721E-05	11.02435363	4.72039E-05
3.43471E-05	12.31740371	2.75155E-05
4.57722E-05	11.00805505	4.72041E-05
3.43128E-05	12.33789607	2.76074E-05
4.57639E-05	10.98345671	4.72786E-05
3.43483E-05	12.34193493	2.74338E-05
4.57641E-05	10.94919045	4.7196E-05
3.44312E-05	12.37039249	2.77226E-05
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3.43481E-05	12.42677108	2.76392E-05
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4.57578E-05	10.56033408	4.73576E-05
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4.57638E-05	10.55643562	4.73555E-05
3.43155E-05	12.58365579	2.76015E-05
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5.02534E-06	8.678976678	9.26944E-05
6.49519E-06	8.726640226	7.30725E-05
5.02537E-06	8.687939302	9.26945E-05
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5.02496E-06	8.633593283	9.26986E-05
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6.52895E-06	8.443692936	7.30241E-05
5.02495E-06	8.550133587	9.26988E-05
6.52895E-06	8.410147878	7.30303E-05
5.02502E-06	8.536330943	9.26982E-05
6.52895E-06	8.382681216	7.30303E-05
5.02495E-06	8.524254692	9.26989E-05
6.39642E-06	8.356215728	7.28954E-05
5.02497E-06	8.505213258	9.26984E-05
6.53477E-06	8.324586925	7.30307E-05
5.0251E-06	8.495581827	9.26062E-05
6.39642E-06	8.301325051	7.28957E-05
5.02501E-06	8.476550074	9.26983E-05
6.54108E-06	8.278070184	7.30429E-05
5.02504E-06	8.465910819	9.25683E-05
6.54134E-06	8.248938633	7.30376E-05
5.02504E-06	8.456033977	9.25683E-05
6.54134E-06	8.219924808	7.30378E-05
5.02503E-06	8.436947898	9.2606E-05
6.39641E-06	8.195782317	7.28941E-05
5.02501E-06	8.426053974	9.26061E-05
6.39667E-06	8.16164197	7.28718E-05
5.02495E-06	8.416560253	9.25688E-05
6.53649E-06	8.147600476	7.30415E-05
5.02493E-06	8.404454091	9.25692E-05
6.54133E-06	8.102574616	7.30189E-05
5.02541E-06	8.387580588	9.25684E-05
6.39182E-06	8.093276848	7.28717E-05
5.02499E-06	8.373439844	9.25687E-05
6.39182E-06	8.075341134	7.28718E-05
5.02495E-06	8.366924106	9.25688E-05
6.53648E-06	8.094784437	7.30189E-05
5.02503E-06	8.360136286	9.25683E-05
6.53648E-06	8.090073456	7.3019E-05
5.025E-06	8.347060253	9.25686E-05
6.53648E-06	8.105519221	7.28737E-05
5.02494E-06	8.336909531	9.25688E-05
6.53649E-06	8.108705896	7.30189E-05
5.02503E-06	8.3320003	9.25684E-05
6.39182E-06	8.13439791	7.27265E-05
5.02503E-06	8.319444285	9.25684E-05
6.39751E-06	8.151474101	7.27323E-05
5.02493E-06	8.308077196	9.25712E-05

6.39182E-06	8.17424314	7.27265E-05
5.02495E-06	8.303335639	9.25712E-05
6.40383E-06	8.183484898	7.27387E-05
5.025E-06	8.294883039	9.2571E-05
6.40382E-06	8.204333335	7.27387E-05
5.02494E-06	8.286102579	9.25712E-05
6.5485E-06	8.212359332	7.28859E-05
5.02498E-06	8.279264914	9.25711E-05
6.40383E-06	8.22387274	7.27387E-05
5.02502E-06	8.274583337	9.25708E-05
6.40382E-06	8.251146281	7.2884E-05
5.02496E-06	8.263950966	9.25713E-05
6.40383E-06	8.261268129	7.27387E-05
5.02502E-06	8.263231614	9.24943E-05
6.40408E-06	8.284457905	7.2739E-05
5.02501E-06	8.256056018	9.25709E-05
6.40383E-06	8.29448443	7.27387E-05
5.02497E-06	8.253519748	9.24948E-05
6.40383E-06	8.303446925	7.27387E-05
5.02499E-06	8.246997752	9.25708E-05
6.40408E-06	8.328215986	7.2739E-05
5.02496E-06	8.244664716	9.24951E-05
6.40383E-06	8.318710696	7.27387E-05
5.02491E-06	8.235729901	9.24954E-05
6.40408E-06	8.33752648	7.27403E-05
5.02499E-06	8.239994676	9.24948E-05
6.40408E-06	8.345589194	7.26209E-05
5.025E-06	8.23904696	9.24947E-05
6.40383E-06	8.356365313	7.27387E-05
5.02497E-06	8.238022477	9.24947E-05

BIO_dphi_res_t8_l1_max	BIO_dphi_res_t8_l1_min	BIO_dphi_z_1_t1_max
14.38550552	2.17702E-05	0.513483911
11.75370391	1.12445E-05	-0.607555571
14.38738779	2.16707E-05	0.521188686
11.76983254	1.13403E-05	-0.611057111
14.40348964	2.18428E-05	0.520739814
11.77633668	1.13377E-05	-0.608823641
14.40189883	2.18486E-05	0.533399357
11.79388751	1.13406E-05	-0.615405591
14.40396458	2.18598E-05	0.537926806
11.79367076	1.13373E-05	-0.609874635
14.40800162	2.17875E-05	0.546492187
11.81971357	1.13378E-05	-0.621640701
14.43086706	2.1705E-05	0.554594498
11.83233195	1.1331E-05	-0.62747497
14.42938556	2.1952E-05	0.559655669
11.841499	1.13382E-05	-0.637628899
14.42771236	2.19596E-05	0.561963423
11.85666729	1.13935E-05	-0.644666551
14.44339215	2.19664E-05	0.568371635
11.86335939	1.13953E-05	-0.647111758
14.44253837	2.21399E-05	0.580199277
11.8716739	1.1288E-05	-0.640434181
14.46302141	2.214E-05	0.573471114
11.88474086	1.14641E-05	-0.642360723
14.47183015	2.20629E-05	0.576251959
11.89985876	1.12601E-05	-0.656607639
14.46992922	2.21524E-05	0.579606655
11.90511483	1.12962E-05	-0.643119084
14.4786025	2.22481E-05	0.58085807
11.91690636	1.14634E-05	-0.644402951
14.48383081	2.23107E-05	0.583819597
11.93695766	1.13222E-05	-0.649747782
14.49130991	2.24864E-05	0.587904906
11.94060352	1.13993E-05	-0.649807335
14.49498873	2.23252E-05	0.586557756
11.94732456	1.12919E-05	-0.646554241
14.49968966	2.24089E-05	0.589631022
11.96280429	1.12188E-05	-0.647377284
14.49607935	2.22411E-05	0.591292674
11.97009976	1.12886E-05	-0.649305745
14.51891756	2.22493E-05	0.596500058
11.97641228	1.11193E-05	-0.64855101
14.5301524	2.22509E-05	0.598020631
11.97754759	1.13967E-05	-0.653215173
14.54156659	2.23391E-05	0.599475462
11.98596767	1.12891E-05	-0.651598126

14.5575149	2.22576E-05	0.59676622
11.99687569	1.11497E-05	-0.658935882
14.53006963	2.24222E-05	0.603453187
11.98923389	1.12931E-05	-0.65172683
14.56499519	2.22582E-05	0.603895236
11.99812521	1.13927E-05	-0.651755649
14.58075783	2.22588E-05	0.601055153
11.99574048	1.12889E-05	-0.643818752
14.57260248	2.22589E-05	0.606540651
11.99630915	1.12229E-05	-0.645520751
14.59729594	2.22614E-05	0.607448852
12.00377313	1.12837E-05	-0.644592485
14.59219176	2.24338E-05	0.608456094
12.00821875	1.12175E-05	-0.65259576
14.60092266	2.23464E-05	0.607362404
12.01421101	1.12832E-05	-0.649952901
14.60699232	2.21907E-05	0.612746517
12.02326985	1.11439E-05	-0.642016226
14.59360453	2.23464E-05	0.607706694
12.03497457	1.12137E-05	-0.638330692
14.57535018	2.22737E-05	0.608770276
12.04084728	1.13872E-05	-0.635563192
14.59188147	2.2274E-05	0.613728572
12.04527073	1.12157E-05	-0.635659237
14.57837923	2.23522E-05	0.613321108
12.03539633	1.13877E-05	-0.632335285
14.58559563	2.23581E-05	0.61301332
12.06695944	1.13557E-05	-0.63292652
14.58011335	2.23528E-05	0.615555219
12.06309199	1.12809E-05	-0.628329382
14.58468183	2.22835E-05	0.611072901
12.08009895	1.12112E-05	-0.632173281
14.53105836	2.21867E-05	0.617598513
12.07818052	1.12794E-05	-0.627735368
14.56986204	2.23559E-05	0.618570106
12.0811496	1.114E-05	-0.62928582
14.59544951	2.22696E-05	0.62055321
12.08673017	1.1382E-05	-0.631198915
14.57789198	2.21866E-05	0.623819322
12.10222348	1.12084E-05	-0.627462159
14.58606195	2.23523E-05	0.623010368
12.09043524	1.13122E-05	-0.622299179
14.55997337	2.22694E-05	0.620300278
12.09972662	1.12055E-05	-0.630888779
14.54099591	2.24352E-05	0.63165248
12.10555951	1.12091E-05	-0.62260739
14.54272646	2.22693E-05	0.631807224

12.09540725	1.11788E-05	-0.628565022
14.5300028	2.23612E-05	0.631916298
12.10138893	1.13492E-05	-0.621671864
14.55075496	2.24352E-05	0.633291935
12.09636234	1.1207E-05	-0.617674498
14.52920181	2.21919E-05	0.636329448
12.09691866	1.12109E-05	-0.61718635
14.5443358	2.24351E-05	0.638404976
12.09143066	1.11136E-05	-0.618747688
14.52907427	2.24386E-05	0.637580868
12.0841673	1.12809E-05	-0.624813965
14.53501613	2.23611E-05	0.643280446
12.07908847	1.1283E-05	-0.619201895
14.53336499	2.2352E-05	0.644448415
12.08511402	1.12727E-05	-0.618942139
14.53828604	2.24414E-05	0.64559951
12.06998331	1.12702E-05	-0.615718713
14.53881316	2.24536E-05	0.648719197
12.07008099	1.1281E-05	-0.618950464
14.53428111	2.24409E-05	0.651950306
12.07029175	1.12738E-05	-0.615253414
14.53418099	2.22868E-05	0.656947443
12.06891958	1.12041E-05	-0.618730402
14.52393577	2.23672E-05	0.658321167
12.06564732	1.12738E-05	-0.618674052
14.53104287	2.23728E-05	0.658236003
12.07626487	1.11963E-05	-0.614504013
14.51911753	2.25174E-05	0.663807089
12.06529651	1.12738E-05	-0.614415216
14.51816947	2.25175E-05	0.664930229
12.06296363	1.13435E-05	-0.614946904
14.51244104	2.23692E-05	0.665950914
12.0688201	1.10788E-05	-0.616049762
14.50988455	2.26E-05	0.669390769
12.06997022	1.11963E-05	-0.617279197
14.51540511	2.24487E-05	0.667019199
12.07361289	1.09791E-05	-0.617079201
14.51717482	2.25236E-05	0.675414354
12.07677633	1.12039E-05	-0.615374646
13.68959798	5.11943E-05	0.523248412
14.75302959	5.53809E-05	-0.627868122
13.68520819	5.11939E-05	0.529469221
14.76047461	5.53804E-05	-0.620423005
13.69607406	5.10819E-05	0.533454418
14.76972365	5.53797E-05	-0.613198695
13.6995341	5.12264E-05	0.532134701
14.77426359	5.53767E-05	-0.606024009

13.69275948	5.13606E-05	0.533595079
14.78374516	5.53759E-05	-0.598794788
13.68847629	5.13522E-05	0.531577826
14.78781412	5.53761E-05	-0.592859885
13.69453328	5.13623E-05	0.52835483
14.7916761	5.53699E-05	-0.587013137
13.69522527	5.1362E-05	0.526066505
14.80197713	5.53645E-05	-0.580859565
13.70187361	5.14881E-05	0.520428612
14.80651706	5.53642E-05	-0.57685259
13.70051275	5.13621E-05	0.515555274
14.81568616	5.53636E-05	-0.574031724
13.70639874	5.12171E-05	0.511207211
14.82023101	5.53635E-05	-0.568634594
13.69952659	5.13617E-05	0.507337919
14.83136062	5.53645E-05	-0.561738663
13.71324328	5.14822E-05	0.50356125
14.83107962	5.53639E-05	-0.554066655
13.70130003	5.1356E-05	0.502527113
14.83651039	5.53678E-05	-0.549653929
13.70588341	5.13557E-05	0.50342507
14.83620643	5.53671E-05	-0.547131024
13.7059113	5.13554E-05	0.501620619
14.8479312	5.53601E-05	-0.545216433
13.70765543	5.13554E-05	0.49944307
14.84291148	5.53676E-05	-0.545182285
13.70937192	5.1444E-05	0.501334816
14.85111642	5.53658E-05	-0.543146245
13.7149676	5.14441E-05	0.501408883
14.85786854	5.53654E-05	-0.542504641
13.70779724	5.14428E-05	0.503565943
14.85472319	5.5366E-05	-0.541757373
13.71420131	5.14427E-05	0.502707045
14.86271254	5.53658E-05	-0.537475057
13.70800883	5.14363E-05	0.501771737
14.86593146	5.53657E-05	-0.53725585
13.71379867	5.14363E-05	0.506109543
14.86796914	5.53657E-05	-0.536638997
13.71853942	5.14269E-05	0.507627555
14.86894292	5.53656E-05	-0.537284028
13.69829297	5.14269E-05	0.508660196
14.87456051	5.53653E-05	-0.538881222
13.72665941	5.14269E-05	0.508376955
14.87990469	5.53656E-05	-0.538864572
13.71244771	5.1424E-05	0.510822379
14.87373109	5.53647E-05	-0.540254728
13.71156602	5.14399E-05	0.513174955

14.8731924	5.53657E-05	-0.541709777
13.72627597	5.14438E-05	0.513472068
14.87451568	5.53657E-05	-0.542306988
13.71795694	5.14377E-05	0.51619411
14.87556239	5.53656E-05	-0.544004931
13.73355994	5.14436E-05	0.517909769
14.87078242	5.53653E-05	-0.546839457
13.71789358	5.14374E-05	0.520908435
14.86498218	5.53659E-05	-0.553782347
13.72035641	5.14336E-05	0.524241354
14.86691853	5.53653E-05	-0.557129143
13.74041109	5.14336E-05	0.525700878
14.86666398	5.53657E-05	-0.557461899
13.72282641	5.1566E-05	0.527470968
14.86645751	5.54604E-05	-0.559432192
13.72845102	5.14334E-05	0.528471375
14.86804287	5.53658E-05	-0.562768743
13.72595255	5.14334E-05	0.532173548
14.8712252	5.55001E-05	-0.565008619
13.72372428	5.14398E-05	0.534144276
14.87200085	5.55002E-05	-0.567975268
13.72850813	5.14399E-05	0.535571995
14.87105661	5.54607E-05	-0.571261227
13.71870985	5.14355E-05	0.540713203
14.87586089	5.54605E-05	-0.57320207
13.72413529	5.146E-05	0.542414773
14.87477459	5.54997E-05	-0.577440846
13.71986106	5.15619E-05	0.546804025
14.87555146	5.54993E-05	-0.580884746
13.73391201	5.146E-05	0.54861189
14.8678839	5.55001E-05	-0.586007396
13.74393792	5.146E-05	0.551868187
14.87218193	5.55E-05	-0.588068829
13.75760672	5.14565E-05	0.555018189
14.86890839	5.54997E-05	-0.591666414
13.73949265	5.146E-05	0.560698767
14.87089296	5.55004E-05	-0.59516305
13.76295327	5.14597E-05	0.563483778
14.87194281	5.54947E-05	-0.601175325
13.75230716	5.17287E-05	0.568774183
14.87575842	5.54944E-05	-0.603506765
13.77968451	5.14566E-05	0.573808036
14.87927321	5.54899E-05	-0.60684139
13.77488989	5.16026E-05	0.57781736
14.8769024	5.54935E-05	-0.609821487
13.79195187	5.17283E-05	0.582544273
14.87877941	5.54863E-05	-0.613117054

13.78822685	5.16031E-05	0.587683137
14.88008431	5.54862E-05	-0.616900982
13.80032668	5.16031E-05	0.591938346
14.87367301	5.54864E-05	-0.619866778
13.81584988	5.16032E-05	0.596130374
14.87675315	5.54864E-05	-0.622414435
13.82973362	5.16031E-05	0.600369362
14.87085617	5.54863E-05	-0.625471371
13.8502334	5.16031E-05	0.603338785
14.87029924	5.54747E-05	-0.628470043
13.84604345	5.14567E-05	0.609899604
14.86840699	5.54742E-05	-0.631869339
13.86106582	5.16031E-05	0.614797276
14.86380878	5.55536E-05	-0.637301683
13.86286125	5.16031E-05	0.618678532
14.86667148	5.54746E-05	-0.639650209
13.87984096	5.16031E-05	0.621309016
14.86203626	5.55531E-05	-0.643275118
13.88880431	5.16031E-05	0.62589591
14.85619292	5.54746E-05	-0.645927362
13.87524005	5.16031E-05	0.630945553
14.86080128	5.55528E-05	-0.649793252
13.89189997	5.16031E-05	0.631419401
14.85477924	5.55525E-05	-0.654227962
13.89998981	5.16017E-05	0.637857704
14.85257761	5.55531E-05	-0.656840936
13.89110245	5.17235E-05	0.644183313
14.8484055	5.55532E-05	-0.659625941
13.89573971	5.16031E-05	0.647611216
14.84001298	5.55532E-05	-0.664286483

BIO_dphi_z_1_t1_min	BIO_dphi_z_t1_t8_max	BIO_dphi_z_t1_t8_min	BIO_dphi_z_t8_l1_max
-3.32768E-09	0.522892815	-1.39452E-08	-1.302063727
3.81356E-07	-1.461406326	2.04475E-06	2.732849206
1.40903E-08	0.523768681	4.18628E-08	-1.298974774
7.99994E-07	-1.457534618	-1.0218E-06	2.687377396
1.408E-08	0.546356224	4.20069E-08	-1.278209706
7.99994E-07	-1.464853332	-1.0218E-06	2.656929479
1.40765E-08	0.541635602	1.63638E-08	-1.305335402
7.99993E-07	-1.461298696	-1.0225E-06	2.736078144
1.40745E-08	0.538952621	1.64103E-08	-1.306962659
7.99998E-07	-1.458495809	-1.0218E-06	2.583704722
1.41912E-08	0.531778359	1.58525E-08	-1.323622805
7.99996E-07	-1.461777027	-1.0218E-06	2.631786286
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9.44005E-09	0.53665394	1.79422E-08	-1.354367176
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-1.50322E-07	1.160925543	-3.91379E-07	-1.416410495
-8.57861E-08	-1.489970389	2.61511E-07	2.033359709
-1.50323E-07	1.163570964	-3.91387E-07	-1.424771061
-8.55938E-08	-1.490213979	2.61512E-07	2.03799358
-1.50323E-07	1.162419966	-3.91391E-07	-1.445267612
-8.55841E-08	-1.489801719	2.61513E-07	2.0450013
-1.50329E-07	1.165135823	-3.91391E-07	-1.448922195
-8.56517E-08	-1.488559206	2.61513E-07	2.058593418

BIO_dphi_z_t8_l1_min	BIO_Scheerkraft_max	BIO_Scheerkraft_min	BIO_Scheerkraft_res_max
-4.3854E-08	0.037646125	-0.031535108	0.090072529
-2.4967E-07	0.031574145	-0.053004205	0.122332955
-4.3854E-08	0.037223093	-0.031503212	0.091817315
-2.54458E-07	0.033215016	-0.053246528	0.123214357
-5.00535E-08	0.035456411	-0.031060375	0.086042902
-2.54458E-07	0.033119023	-0.053541959	0.11557945
-6.12686E-08	0.036286178	-0.030247457	0.082635242
-2.54447E-07	0.032312154	-0.053042129	0.113859679
-6.13142E-08	0.036448987	-0.030459566	0.087917292
-2.54458E-07	0.032424182	-0.052557327	0.109277948
-6.11041E-08	0.038002404	-0.031574992	0.080704546
-2.54458E-07	0.03205891	-0.053553149	0.10829476
-6.25681E-08	0.035671283	-0.029927842	0.077540373
-2.52286E-07	0.032661498	-0.052788466	0.11369421
-8.84733E-09	0.036133923	-0.030710219	0.078180283
-2.54463E-07	0.03258276	-0.051122412	0.115573484
-8.8522E-09	0.035344981	-0.030079182	0.073008808
-2.49673E-07	0.032441959	-0.050789118	0.115822508
-8.65189E-09	0.036469409	-0.031449392	0.072157174
-2.5244E-07	0.032434866	-0.050559327	0.110258148
-2.52995E-08	0.03778079	-0.030885863	0.071685723
-2.5229E-07	0.03176187	-0.050823071	0.105531465
-2.52962E-08	0.036183808	-0.030839955	0.071054297
-2.5229E-07	0.031686008	-0.051047698	0.103334971
-1.50517E-08	0.037766961	-0.030105348	0.06568322
-2.5229E-07	0.031773955	-0.04765638	0.104749538
-3.65268E-08	0.038457995	-0.030533989	0.065378307
-2.5244E-07	0.03164953	-0.050258257	0.104059796
-3.65178E-08	0.035499853	-0.029747198	0.066095377
-2.5244E-07	0.031327098	-0.050030619	0.100718069
-3.64934E-08	0.036924336	-0.030151594	0.066217789
-2.5244E-07	0.029662237	-0.049133129	0.102284237
-3.64934E-08	0.03701935	-0.030528188	0.066259129
-2.5244E-07	0.029543266	-0.050326929	0.095271387
-3.6517E-08	0.03914096	-0.028982635	0.060997923
-2.52302E-07	0.029871076	-0.052091167	0.093511808
-3.65057E-08	0.040504911	-0.02948375	0.058996044
-2.5244E-07	0.030650258	-0.050492682	0.090836584
-3.64584E-08	0.038883124	-0.028670295	0.058089942
-2.52452E-07	0.029564798	-0.051416166	0.087495353
-3.62361E-08	0.039980648	-0.029380921	0.058076389
-2.52452E-07	0.029943511	-0.049589664	0.089730434
-3.62304E-08	0.036943877	-0.029515119	0.056044139
-2.52452E-07	0.029690161	-0.05115363	0.09010953
-3.75845E-08	0.036467406	-0.029335462	0.060383292
-2.52452E-07	0.030071423	-0.045430936	0.091415545

-3.38838E-08	0.036714006	-0.029092059	0.057706853
-2.52452E-07	0.028273806	-0.047530614	0.088305183
-3.38195E-08	0.036689144	-0.029785576	0.05663682
-2.52452E-07	0.027961641	-0.042644263	0.086343617
-3.38447E-08	0.035717486	-0.030172601	0.057065857
-2.5245E-07	0.028564915	-0.042491205	0.083352571
-3.38481E-08	0.039194062	-0.028538993	0.055085018
-2.52443E-07	0.028028756	-0.04220812	0.082003756
-3.38464E-08	0.039487116	-0.029243517	0.051025072
-2.5245E-07	0.028088153	-0.043359153	0.084040243
-3.38358E-08	0.035157663	-0.028631157	0.051287536
-2.52443E-07	0.028159186	-0.042781405	0.080451932
-3.3835E-08	0.034865388	-0.02830366	0.052989955
-2.52443E-07	0.027992651	-0.041428193	0.085510298
-3.38301E-08	0.034672849	-0.027741157	0.048383798
-2.52443E-07	0.027102307	-0.042251028	0.079732255
-3.38317E-08	0.034128546	-0.027683193	0.048107443
-2.52443E-07	0.027576507	-0.044274666	0.07741168
-4.02738E-08	0.033405326	-0.02797769	0.048270009
-2.52443E-07	0.026762321	-0.043163091	0.075970672
-4.02413E-08	0.033467148	-0.027252229	0.045721138
-2.52443E-07	0.026390568	-0.041939713	0.071801651
-4.02372E-08	0.033623096	-0.026963042	0.046622734
-2.52443E-07	0.026240155	-0.042128027	0.07489558
-4.02421E-08	0.032966603	-0.026775099	0.044096696
-2.52443E-07	0.026650011	-0.043263972	0.070551137
-4.02421E-08	0.034904294	-0.025709087	0.042451119
-2.52428E-07	0.026477233	-0.042794414	0.065485425
-3.38293E-08	0.032060555	-0.025316421	0.039660527
-2.52443E-07	0.027145133	-0.043425866	0.063901478
-4.02079E-08	0.031714117	-0.025298271	0.040206201
-2.52443E-07	0.02744168	-0.042425781	0.060150029
-4.02706E-08	0.032801252	-0.025720141	0.040918354
-2.52443E-07	0.027414739	-0.039451614	0.061325706
-4.02332E-08	0.030611696	-0.024519604	0.037950767
-2.52442E-07	0.028188705	-0.03899312	0.05798237
-1.5059E-08	0.031945683	-0.024808038	0.037223162
-2.52442E-07	0.028628618	-0.037011333	0.058796671
-4.02478E-08	0.032876249	-0.024551794	0.035417576
-2.52444E-07	0.028910189	-0.038204685	0.056118068
-2.52262E-08	0.03229043	-0.024776809	0.033602479
-2.52442E-07	0.028779983	-0.040409356	0.05437262
-2.5188E-08	0.032351895	-0.024185933	0.035395635
-2.52432E-07	0.029608577	-0.036319457	0.053549518
-6.50222E-08	0.035705291	-0.024734624	0.03441547
-2.52442E-07	0.02987282	-0.038181402	0.052455406
-2.52604E-08	0.036513135	-0.02510538	0.031245968

-2.52179E-07	0.029437944	-0.038205184	0.051127483
-2.52262E-08	0.035079215	-0.025459975	0.032767247
-2.52432E-07	0.029894218	-0.038324937	0.048978919
-2.52327E-08	0.033702839	-0.025465481	0.032930484
-2.52192E-07	0.029966756	-0.038221799	0.048368653
-2.51928E-08	0.034572918	-0.02547729	0.033445472
-2.52444E-07	0.030262932	-0.040292822	0.048126681
-2.52124E-08	0.035676546	-0.025891945	0.033149453
-2.52444E-07	0.030329213	-0.039276756	0.045980543
-2.5236E-08	0.033358645	-0.026219804	0.031901196
-2.52444E-07	0.030724183	-0.039532237	0.045723974
-2.52433E-08	0.035567753	-0.02692819	0.031478525
-2.52192E-07	0.03096506	-0.039562516	0.045078101
-2.52376E-08	0.031571418	-0.026605237	0.030987989
-2.52193E-07	0.031854406	-0.04026495	0.043020046
-2.52572E-08	0.035572428	-0.027531639	0.03124522
-2.52444E-07	0.031619742	-0.038704298	0.042934804
-2.5188E-08	0.035127025	-0.027602311	0.029215588
-2.52179E-07	0.032971308	-0.042152568	0.043259641
-2.51936E-08	0.035506584	-0.027159959	0.030130609
-2.5218E-07	0.033944368	-0.040457204	0.043539408
-2.5223E-08	0.036726406	-0.026704554	0.031380929
-2.52193E-07	0.033515483	-0.03906653	0.043882689
-2.52433E-08	0.036325187	-0.027294017	0.032076698
-2.52193E-07	0.033259123	-0.040366612	0.04112471
-2.52181E-08	0.034877103	-0.027121097	0.036116053
-2.52432E-07	0.034414396	-0.038697086	0.040620546
-2.52262E-08	0.033223953	-0.027648382	0.035391384
-2.52181E-07	0.034513682	-0.038825318	0.039878794
-2.52042E-08	0.033403121	-0.027354222	0.034431647
-2.52181E-07	0.034723908	-0.037168466	0.040021849
-2.52124E-08	0.034013554	-0.027678691	0.034385236
-2.52193E-07	0.036064178	-0.037298336	0.037960283
-2.52156E-08	0.034677103	-0.027665656	0.034767527
-2.52181E-07	0.036299929	-0.035889343	0.036733785
-2.52205E-08	0.034591217	-0.028101042	0.035846568
-2.5218E-07	0.036515325	-0.040093183	0.037338427
-2.51888E-08	0.03458981	-0.028767087	0.037648907
-2.52181E-07	0.036875308	-0.038457826	0.035205431
-7.69827E-07	0.03203249	-0.038386434	0.200820397
2.6363E-07	0.047426104	-0.025458113	0.189280015
-7.69827E-07	0.032224365	-0.037857086	0.197831336
2.6369E-07	0.047490358	-0.025274471	0.185418114
-7.69827E-07	0.032421335	-0.037361621	0.198153223
2.63685E-07	0.046717763	-0.025257856	0.182970301
-7.69831E-07	0.032125816	-0.036216155	0.193874114
2.63591E-07	0.045591712	-0.025445774	0.181749453

-7.69831E-07	0.032144181	-0.036755219	0.190299501
2.63698E-07	0.04468298	-0.026606902	0.179658476
-7.69836E-07	0.032560937	-0.037658602	0.185084166
2.63676E-07	0.044172645	-0.024207845	0.179756808
-7.69831E-07	0.032959797	-0.03791523	0.180961439
2.63607E-07	0.042695701	-0.02501382	0.176242133
-7.69836E-07	0.032094538	-0.038500681	0.17905654
2.63642E-07	0.040961325	-0.025714904	0.174862972
-7.69836E-07	0.031374313	-0.039610803	0.176376241
2.63684E-07	0.040995702	-0.0246436	0.174293412
-7.69836E-07	0.031149402	-0.040067137	0.174258485
2.63714E-07	0.041176349	-0.024819955	0.173943442
-7.69836E-07	0.031465642	-0.039580808	0.172922892
2.63714E-07	0.041574657	-0.025049701	0.16986132
-7.69837E-07	0.031573459	-0.039463714	0.168763581
2.63772E-07	0.041993976	-0.024737581	0.168921584
-7.69831E-07	0.030885339	-0.040208981	0.161730253
2.63703E-07	0.042545408	-0.025816914	0.167275089
-7.69668E-07	0.031109958	-0.039904565	0.158687509
2.63815E-07	0.043351084	-0.025854346	0.166529943
-7.69684E-07	0.030950115	-0.03955236	0.157416712
2.63694E-07	0.043932587	-0.027661663	0.163455784
-7.69684E-07	0.031208635	-0.038693175	0.153978563
2.63651E-07	0.04472965	-0.028778724	0.163086243
-7.69419E-07	0.031369657	-0.037368074	0.151530787
2.6379E-07	0.045142606	-0.028300971	0.160487514
-7.69419E-07	0.032460749	-0.037238345	0.149970269
2.63634E-07	0.045987651	-0.027589072	0.158983968
-7.69419E-07	0.031555786	-0.036972373	0.147626308
2.63648E-07	0.046633467	-0.028295323	0.157505312
7.33386E-07	0.032746702	-0.036242485	0.144253263
2.63604E-07	0.047399357	-0.02940549	0.156510926
7.27083E-07	0.032352999	-0.035433069	0.144916727
2.63634E-07	0.048354581	-0.030383825	0.155403515
-7.69412E-07	0.031745285	-0.034700289	0.144083028
2.63652E-07	0.048872009	-0.029549822	0.155161674
-7.69412E-07	0.031312152	-0.034513607	0.143251555
2.63621E-07	0.049739867	-0.028574571	0.154349783
-7.69412E-07	0.030372843	-0.03394334	0.141134809
2.63668E-07	0.050522506	-0.028821185	0.152301629
-7.69412E-07	0.030153066	-0.032945603	0.143435097
2.63854E-07	0.051281824	-0.028262258	0.151466484
-7.69412E-07	0.030200645	-0.033005312	0.142145639
2.63816E-07	0.051616922	-0.029271975	0.150640612
-7.69412E-07	0.029293388	-0.031979978	0.141560966
2.6372E-07	0.052579031	-0.028805181	0.151150171
-7.69412E-07	0.028777107	-0.03068328	0.140963801

2.63794E-07	0.053152189	-0.028475836	0.150353525
-7.69412E-07	0.028660178	-0.030174449	0.138556651
2.63794E-07	0.054022924	-0.028189495	0.148793848
-7.69412E-07	0.029134452	-0.031189799	0.136585932
2.63816E-07	0.05459775	-0.028234213	0.147208832
-7.69418E-07	0.028720468	-0.031691403	0.133467341
2.6385E-07	0.055701122	-0.02706787	0.146555266
-7.69418E-07	0.02952981	-0.032680452	0.131814183
2.63773E-07	0.056839422	-0.026437938	0.145967381
-7.69418E-07	0.029056683	-0.032777749	0.127811384
2.63694E-07	0.057800889	-0.026294745	0.145919014
-7.69418E-07	0.028905183	-0.033515863	0.122240476
2.63437E-07	0.057954505	-0.026657581	0.145848531
-7.69418E-07	0.028951526	-0.034271188	0.12153128
2.63402E-07	0.058484226	-0.027999133	0.145721052
-7.69418E-07	0.028823853	-0.034742191	0.119163751
2.63791E-07	0.058552757	-0.028553263	0.145426572
-7.69418E-07	0.028830558	-0.0358112	0.116871286
2.63756E-07	0.05955787	-0.029516622	0.146850004
-7.69418E-07	0.027127385	-0.03648267	0.117457317
2.63752E-07	0.059819132	-0.030321524	0.142595399
-7.69418E-07	0.028255851	-0.03678374	0.113763504
2.63769E-07	0.060414984	-0.030884773	0.142463982
-7.69642E-07	0.028390214	-0.037077732	0.112168862
2.63786E-07	0.061184466	-0.030667618	0.141655145
-7.69418E-07	0.028772071	-0.038315206	0.111767135
2.63851E-07	0.061904595	-0.031786472	0.142093295
-7.6953E-07	0.028609872	-0.039060935	0.109963824
2.63881E-07	0.063026651	-0.031480149	0.140640469
-7.69642E-07	0.028648988	-0.040068955	0.113087698
2.63795E-07	0.063468248	-0.031098187	0.140628892
-7.69642E-07	0.028713465	-0.040767938	0.111839516
2.63812E-07	0.063954458	-0.031269491	0.138611033
-7.69642E-07	0.029270828	-0.041420102	0.109764392
2.63851E-07	0.064883814	-0.030248568	0.140089464
-7.69642E-07	0.030279473	-0.042406932	0.108121347
2.63752E-07	0.065346211	-0.030155107	0.138542323
-7.69642E-07	0.030222401	-0.043247163	0.106613057
2.63791E-07	0.064586326	-0.030557513	0.140212659
-7.69642E-07	0.031175777	-0.044590608	0.107145732
2.63859E-07	0.06482771	-0.029156804	0.139654638
-7.6963E-07	0.031257644	-0.045801953	0.107229944
2.63765E-07	0.064795569	-0.029499635	0.14042899
-7.6963E-07	0.031633288	-0.046585604	0.109418123
2.63754E-07	0.064962387	-0.029756874	0.140838874
-7.6963E-07	0.032127305	-0.046889022	0.108991761
2.63852E-07	0.065067649	-0.029065206	0.140591384

-7.6963E-07	0.032341867	-0.047593072	0.108488507
2.63856E-07	0.064926118	-0.029012829	0.140429295
-7.6963E-07	0.032556161	-0.048304878	0.108254686
2.63788E-07	0.065619826	-0.028598935	0.140745201
-7.6963E-07	0.032715991	-0.049304634	0.110161563
2.63848E-07	0.066021412	-0.02855593	0.142287883
-7.6978E-07	0.033808023	-0.049459599	0.109789521
2.63801E-07	0.066027522	-0.028829545	0.141939535
-7.6978E-07	0.033532351	-0.050031364	0.114601818
2.63754E-07	0.066603094	-0.028583705	0.141447166
-7.6978E-07	0.033793479	-0.051133693	0.11508962
2.63826E-07	0.066706404	-0.028575451	0.142245831
-7.69779E-07	0.033586294	-0.051689923	0.118784652
2.63749E-07	0.066895976	-0.029558539	0.141110662
-7.69779E-07	0.034851596	-0.052103475	0.121480828
2.63765E-07	0.067121581	-0.029454052	0.142128468
-7.7003E-07	0.034238904	-0.052323207	0.123168181
2.63817E-07	0.067525774	-0.030212775	0.141576575
-7.69779E-07	0.034307927	-0.052086458	0.124918307
2.63791E-07	0.067782759	-0.030471102	0.140609454
-7.7003E-07	0.034780219	-0.052308232	0.121319109
2.63831E-07	0.068040237	-0.030482083	0.138686707
-7.69972E-07	0.035433009	-0.052461162	0.115366984
2.63872E-07	0.068465992	-0.030547902	0.139127683
-7.69982E-07	0.035042987	-0.053228185	0.107123943
2.63787E-07	0.068610698	-0.030508131	0.138260387
-7.69985E-07	0.036581218	-0.053266212	0.103636468
2.63783E-07	0.069089189	-0.030976608	0.138750956
-7.69985E-07	0.035393715	-0.054266535	0.102372112
2.63813E-07	0.069741413	-0.029273763	0.138006178

BIO_Scheerkraft_res_min	BIO_Kopfkontaktkraft_x_max	BIO_Kopfkontaktkraft_x_min
-0.062707749	0.001	-1.11099994
-0.047092847	0.001	-1.04499996
-0.067096865	0.001	-1.097
-0.046756433	0.002	-1.04200006
-0.067621183	0.002	-1.09500003
-0.046668183	0.003	-1.04200006
-0.06990186	0	-1.08899999
-0.046910706	0.002	-1.03600001
-0.068683431	0.001	-1.08399999
-0.046784035	0.002	-1.02699995
-0.069113351	0.002	-1.079
-0.047001889	0.004	-1.02999997
-0.071896185	0.001	-1.08099997
-0.04688463	0.004	-1.02900004
-0.072646434	0.001	-1.07099998
-0.047571946	0.004	-1.023
-0.07469325	0.002	-1.07200003
-0.047114862	0.004	-1.01600003
-0.075143153	0.003	-1.05999994
-0.047518123	0.004	-1.023
-0.075677571	0.003	-1.06400001
-0.047605505	0.004	-1.01800001
-0.073574083	0.003	-1.074
-0.047505735	0.004	-1.01300001
-0.077164967	0	-1.07099998
-0.047589697	0.004	-1.00999999
-0.07840042	0.003	-1.06299996
-0.048010289	0.003	-1.01400006
-0.080139944	0.002	-1.07000005
-0.048094085	0.003	-1.01300001
-0.081701615	0.003	-1.06400001
-0.047704439	0.003	-1.00600004
-0.084911667	0.002	-1.07599998
-0.047850806	0.003	-0.995000005
-0.088681101	0.003	-1.06799996
-0.047236813	0.002	-0.989000022
-0.092434272	0.003	-1.06200004
-0.04666984	0.002	-0.998000026
-0.093335882	0.002	-1.08000004
-0.046800996	0.003	-0.98299998
-0.096897167	0.003	-1.074
-0.046399076	0.003	-0.976999998
-0.097958936	0.002	-1.07599998
-0.046179917	0.003	-0.975000024
-0.101229421	0.003	-1.07200003
-0.046331915	0.003	-0.986000001

-0.101794873	0.005	-1.07200003
-0.048348492	0.003	-0.967999995
-0.103268895	0.004	-1.05799997
-0.049817531	0.003	-0.963999987
-0.104335438	0.003	-1.05299997
-0.050952514	0.003	-0.958000004
-0.105175087	0.005	-1.04299998
-0.048883983	0.003	-0.958999991
-0.105268775	0.007	-1.046
-0.050800085	0.003	-0.961000025
-0.107094044	0.004	-1.04900002
-0.052232813	0.003	-0.95599997
-0.109456418	0.001	-1.051
-0.054769466	0.004	-0.948000014
-0.10885725	0.005	-1.05700004
-0.054335436	0.004	-0.958999991
-0.109915524	0.007	-1.04100001
-0.057148564	0.005	-0.964999974
-0.110900203	0.004	-1.04400003
-0.063215311	0.005	-0.944000006
-0.110500774	0.005	-1.05700004
-0.067189572	0.006	-0.952000022
-0.110813662	0.006	-1.03999996
-0.066258071	0.006	-0.936999977
-0.119791641	0.008	-1.046
-0.0699582	0.004	-0.936999977
-0.124865371	0.009	-1.04400003
-0.071411323	0.003	-0.935000002
-0.130111178	0.002	-1.03499997
-0.073990081	0.001	-0.939999998
-0.137519732	0.006	-1.03499997
-0.075155071	0.006	-0.948000014
-0.143086482	0.008	-1.04200006
-0.078542273	0.006	-0.931999981
-0.14784723	0.002	-1.03400004
-0.07940363	0.008	-0.935000002
-0.145676715	0.006	-1.03199995
-0.081988383	0.009	-0.925999999
-0.148983735	0.006	-1.03400004
-0.085558408	0.009	-0.935000002
-0.153346021	0.004	-1.03900003
-0.093584532	0.009	-0.91900003
-0.157127401	0.004	-1.03600001
-0.101798579	0.008	-0.910000026
-0.156985034	0.005	-1.03900003
-0.106168154	0.007	-0.91900003
-0.155245291	0.003	-1.03299999

-0.113924758	0.005	-0.921000004
-0.152641004	0.003	-1.02100003
-0.11680698	0.007	-0.93900001
-0.154813583	0.005	-1.01199996
-0.121201769	0.005	-0.944000006
-0.154545246	0.001	-1.00999999
-0.128785125	0.006	-0.949999988
-0.151529454	0.004	-1.023
-0.129401033	0.007	-0.958000004
-0.150378102	0.007	-1.00199997
-0.134796664	0.006	-0.968999982
-0.150096552	0.003	-0.999000013
-0.138555863	0.005	-0.968999982
-0.148791154	0.004	-0.99000001
-0.141403668	0.004	-0.972000003
-0.149764253	0.007	-0.976999998
-0.139324234	0.004	-0.986000001
-0.149459333	0.002	-0.967000008
-0.1367031	0.005	-0.995999992
-0.147197466	0.006	-0.977999985
-0.13664082	0.008	-1.00199997
-0.147045043	0.008	-0.954999983
-0.139444618	0.007	-1.01300001
-0.146283455	0.004	-0.958999991
-0.138891344	0.004	-1.02100003
-0.138993257	0.008	-0.948000014
-0.142896439	0.005	-1.01900005
-0.138051369	0.002	-0.943000019
-0.143603116	0.008	-1.02699995
-0.133934222	0.007	-0.926999986
-0.143193866	0.009	-1.03999996
-0.133001888	0.002	-0.91900003
-0.14046367	0.009	-1.046
-0.131762721	0.004	-0.902999997
-0.13970641	0.009	-1.06200004
-0.134710535	0.002	-0.898000002
-0.134730024	0.006	-1.074
-0.137629256	0.003	-0.897000015
-0.130247905	0.003	-1.07500005
-0.058941271	0	-1.28799999
-0.063860912	0	-1.29400003
-0.059160623	0.001	-1.27900004
-0.062200005	0	-1.29700005
-0.059320674	0.001	-1.27400005
-0.061242674	0	-1.29499996
-0.058899722	0.001	-1.26800001
-0.061139266	0.001	-1.29700005

-0.058306058	0.003	-1.26199996
-0.060725048	0	-1.29499996
-0.058471297	0.003	-1.26600003
-0.059924058	0	-1.28999996
-0.058306008	0.002	-1.25899994
-0.060293706	0.001	-1.28900003
-0.058478497	0.001	-1.25300002
-0.061092054	0.001	-1.28400004
-0.058303753	0.001	-1.25899994
-0.062037549	0.001	-1.27600002
-0.05775595	0.001	-1.25800002
-0.062256764	0	-1.27199996
-0.058004145	0	-1.25699997
-0.062705922	0	-1.27600002
-0.058043922	0	-1.24100006
-0.063147416	0.001	-1.27400005
-0.057568264	0	-1.23000002
-0.063702174	0.001	-1.27499998
-0.057251078	0	-1.22399998
-0.064727453	0.001	-1.26800001
-0.057964956	0	-1.21899998
-0.065151508	0.001	-1.25600004
-0.057514841	0.001	-1.21700001
-0.065977779	0.001	-1.24699998
-0.057346981	0.002	-1.20899999
-0.066493356	0.002	-1.24600005
-0.057022506	0.003	-1.21300006
-0.067269416	0.001	-1.24300003
-0.057232952	0.002	-1.20000005
-0.068007667	0.003	-1.23399997
-0.057626133	0.003	-1.20099998
-0.068924814	0.001	-1.23899996
-0.057508624	0	-1.19500005
-0.070059395	0.003	-1.23599994
-0.057242684	0.003	-1.199
-0.070382611	0.002	-1.22899997
-0.057386677	0.005	-1.19200003
-0.071170855	0.003	-1.22899997
-0.057194171	0	-1.18599999
-0.072007168	0.002	-1.21700001
-0.056906167	0.005	-1.17999995
-0.072680858	0.002	-1.22300005
-0.057212465	0.004	-1.17499995
-0.073030581	0.003	-1.21300006
-0.057245431	0.003	-1.16700006
-0.07427865	0.002	-1.20500004
-0.056808754	0.006	-1.16499996

-0.074708325	0.002	-1.20299995
-0.057547253	0.003	-1.153
-0.075265842	0.002	-1.19799995
-0.057314016	0.006	-1.14699996
-0.076009315	0.002	-1.199
-0.057118886	0.003	-1.13499999
-0.076631771	0.001	-1.19599998
-0.056442012	0.007	-1.13499999
-0.07726978	0.002	-1.18799996
-0.057073141	0.004	-1.11800003
-0.078129243	0.002	-1.18499994
-0.057276952	0.006	-1.11500001
-0.078734371	0.003	-1.17700005
-0.056690496	0.006	-1.11099994
-0.079712348	0.003	-1.17700005
-0.057133751	0.005	-1.13100004
-0.080146459	0.004	-1.171
-0.056709963	0.008	-1.15400004
-0.08083774	0.004	-1.16700006
-0.056724076	0.002	-1.17200005
-0.081288482	0.004	-1.16199994
-0.056359607	0.009	-1.19299996
-0.081978197	0.005	-1.15900004
-0.056831372	0.003	-1.21300006
-0.082058396	0.005	-1.15100002
-0.05693515	0.008	-1.23399997
-0.082400689	0.005	-1.14699996
-0.056605457	0.007	-1.25100005
-0.082890613	0.004	-1.16199994
-0.056646563	0.005	-1.27199996
-0.083483769	0.003	-1.17499995
-0.056984886	0.01	-1.29100001
-0.083747732	0.001	-1.19200003
-0.057167439	0.001	-1.31099999
-0.084571421	0.002	-1.20899999
-0.057250248	0.01	-1.329
-0.084956556	0.004	-1.22500002
-0.056664075	0.007	-1.34800005
-0.084953938	0.006	-1.23699999
-0.056915301	0.007	-1.36899996
-0.084807452	0.006	-1.25100005
-0.05629683	0.01	-1.38199997
-0.085268658	0.006	-1.26600003
-0.056824841	0.002	-1.39900005
-0.085338097	0.004	-1.27999997
-0.056890116	0.011	-1.41700006
-0.085685863	0.001	-1.29400003

-0.057201975	0.004	-1.43400002
-0.085191654	0.005	-1.30599999
-0.057059882	0.009	-1.449
-0.085595132	0.007	-1.31900001
-0.056937726	0.009	-1.46399999
-0.086489153	0.006	-1.33000004
-0.056738095	0.005	-1.48199999
-0.085995105	0.003	-1.34599996
-0.057003025	0.011	-1.495
-0.086818531	0.002	-1.35899997
-0.057083417	0.001	-1.50899994
-0.087070951	0.006	-1.37100005
-0.05668255	0.011	-1.523
-0.086606963	0.007	-1.38399994
-0.056494981	0.003	-1.53600001
-0.086392177	0.004	-1.39699996
-0.056757148	0.01	-1.551
-0.085808432	0	-1.41499996
-0.05691376	0.006	-1.56299996
-0.085861228	0.006	-1.43200004
-0.056832872	0.007	-1.57500005
-0.086094304	0.007	-1.44400001
-0.056805521	0.008	-1.58800006
-0.086059257	0.006	-1.45599997
-0.057073499	0.003	-1.60099995
-0.086217692	0.001	-1.46300006
-0.056989596	0.01	-1.60899997
-0.086388927	0.004	-1.47300005
-0.056641823	0.001	-1.62199998
-0.086300996	0.008	-1.48899996

BIO_Kopfkontaktkraft_z_max	BIO_Kopfkontaktkraft_z_min	BIO_Kopf_v_x_max
0.623000026	0	8.78305721
0.404000014	0	9.25696468
0.611999989	0	8.78010273
0.404000014	0	9.2581234
0.611999989	0	8.79146576
0.411000013	0	9.25747108
0.61500001	0	8.77602959
0.405999988	0	9.27964497
0.60799998	0	8.78360081
0.409999996	0	9.25770378
0.605000019	0	8.75788116
0.412	0	9.26680756
0.605000019	0	8.7597847
0.409000009	0	9.26642227
0.611000001	0	8.76099014
0.409999996	0	9.27671814
0.605000019	0	8.75847054
0.414000005	0	9.26897144
0.600000024	0	8.75002193
0.414999992	0	9.27471924
0.598999977	0	8.75026417
0.412	0	9.27873421
0.600000024	0	8.75689125
0.414999992	0	9.28946686
0.606999993	0	8.76011181
0.412	-0.001	9.27843189
0.606000006	0	8.75339985
0.414000005	0	9.29430103
0.606999993	0	8.75734043
0.416999996	-0.001	9.28696251
0.606000006	0	8.74879551
0.418000013	-0.001	9.29345608
0.603999972	0	8.75194454
0.419	-0.001	9.2884388
0.601999998	0	8.76125622
0.419	0	9.28994465
0.600000024	0	8.74507332
0.419	0	9.2953577
0.597000003	0	8.73383904
0.419999987	-0.001	9.29220676
0.601999998	0	8.73313999
0.419	-0.001	9.29518318
0.601000011	0	8.74435425
0.416999996	0	9.28096294
0.601000011	0	8.73997498
0.416999996	0	9.28722858

0.606000006	0	8.74129105
0.409000009	0	9.27766228
0.611000001	0	8.71204567
0.407999992	0	9.2868948
0.61500001	0	8.70802593
0.409000009	0	9.2837534
0.612999976	0	8.70664978
0.411000013	0	9.30416489
0.612999976	0	8.70024204
0.414000005	0	9.28753662
0.615999997	0	8.69923401
0.412	0	9.2959528
0.615999997	0	8.69614506
0.409000009	0	9.28862667
0.624000013	0	8.69882107
0.418000013	0	9.29102707
0.625	-0.001	8.69189739
0.414000005	0	9.30418968
0.621999979	-0.001	8.68849468
0.412999988	0	9.29715157
0.615999997	0	8.70313072
0.412999988	0	9.30072689
0.616999984	-0.002	8.70251179
0.416000009	0	9.29213238
0.623000026	-0.001	8.68747139
0.416000009	0	9.27981377
0.629000008	-0.002	8.69238949
0.414000005	0	9.29451561
0.638000011	-0.001	8.68834877
0.419	0	9.29433918
0.624000013	-0.002	8.6865406
0.421000004	0	9.29927063
0.634000003	-0.002	8.68540192
0.423999995	0	9.29359341
0.646000028	-0.004	8.6798563
0.405000001	-0.001	9.27241325
0.651000023	-0.004	8.67039204
0.414999992	-0.001	9.2896862
0.643000007	-0.006	8.66388416
0.407000005	-0.001	9.30194283
0.648000002	-0.005	8.66611195
0.411000013	-0.001	9.28005505
0.643999994	-0.004	8.65674973
0.407000005	-0.001	9.28675079
0.644999981	-0.003	8.6582489
0.407999992	-0.001	9.2944746
0.643000007	-0.002	8.64217091

0.402999997	0	9.2863884
0.640999973	-0.003	8.64354324
0.407999992	0	9.3027916
0.638999999	-0.002	8.66150188
0.409999996	0	9.29677296
0.643000007	-0.003	8.64529324
0.411000013	-0.001	9.29566383
0.643000007	-0.002	8.64087868
0.409999996	-0.001	9.29918289
0.640999973	-0.002	8.64070225
0.409999996	-0.001	9.30189228
0.643000007	-0.002	8.63286495
0.412	-0.001	9.28359509
0.644999981	-0.002	8.64744759
0.412999988	-0.001	9.29603291
0.638000011	-0.003	8.64835835
0.419999987	-0.001	9.28672504
0.634000003	-0.002	8.63467789
0.409999996	-0.001	9.29306412
0.648999989	-0.004	8.62507534
0.414000005	-0.001	9.28553677
0.643999994	-0.004	8.62034416
0.414999992	-0.002	9.28374958
0.647000015	-0.003	8.61325645
0.412	-0.002	9.28877354
0.648000002	-0.003	8.61645603
0.418000013	-0.001	9.28409481
0.637000024	-0.003	8.62474155
0.430000007	-0.005	9.28310204
0.646000028	-0.002	8.61675453
0.421000004	-0.004	9.28369999
0.630999982	-0.002	8.60222721
0.418000013	-0.005	9.28860664
0.63499999	-0.002	8.60346603
0.421999991	-0.007	9.28261375
0.629999995	-0.001	8.61870956
0.423999995	-0.008	9.28069592
0.629999995	-0.001	8.60816574
0.423999995	-0.002	9.28544044
0.377000004	-0.001	8.57646084
0.323000014	-0.004	8.44799042
0.375999987	-0.002	8.58185959
0.32100001	-0.005	8.45355988
0.375	-0.002	8.58608341
0.324000001	-0.006	8.45817947
0.374000013	-0.002	8.59185696
0.32100001	-0.006	8.46366882

0.375	-0.001	8.59811592
0.317999989	-0.012	8.4689045
0.375999987	-0.001	8.60348415
0.319000006	-0.014	8.47306824
0.372999996	-0.001	8.60927486
0.32100001	-0.016000001	8.47732067
0.375	-0.001	8.61737919
0.321999997	-0.017000001	8.48175907
0.381999999	-0.002	8.62319946
0.319000006	-0.02	8.4842701
0.384000003	-0.002	8.62664604
0.319999993	-0.021	8.48828888
0.386999995	-0.002	8.63384438
0.317999989	-0.022	8.49235916
0.386000007	-0.004	8.63990879
0.31400001	-0.024	8.49743938
0.381999999	-0.007	8.64292526
0.31400001	-0.025	8.50363445
0.381000012	-0.01	8.64685154
0.319999993	-0.026000001	8.50803947
0.375999987	-0.011	8.65029716
0.317999989	-0.027000001	8.50999165
0.372000009	-0.012	8.65361881
0.319000006	-0.027000001	8.51518631
0.36500001	-0.011	8.65550232
0.317999989	-0.028000001	8.52043533
0.36500001	-0.013	8.65924835
0.317999989	-0.028000001	8.52558994
0.367000014	-0.013	8.6619072
0.312999994	-0.028999999	8.52985764
0.368999988	-0.016000001	8.66517448
0.310000002	-0.029999999	8.53434563
0.372000009	-0.017000001	8.66802311
0.307999998	-0.029999999	8.53872585
0.375999987	-0.017999999	8.66845989
0.305999994	-0.029999999	8.5433569
0.379000008	-0.017999999	8.67585182
0.31099999	-0.031	8.54794788
0.381000012	-0.018999999	8.6773119
0.317999989	-0.031	8.55065823
0.379999995	-0.018999999	8.67886353
0.319999993	-0.031	8.55506039
0.382999986	-0.018999999	8.68379688
0.330000013	-0.031	8.55979061
0.379000008	-0.02	8.68488789
0.333000004	-0.029999999	8.56202316
0.384000003	-0.018999999	8.68664169

0.337000012	-0.031	8.56542492
0.379000008	-0.02	8.68949509
0.338	-0.029999999	8.56963062
0.377999991	-0.02	8.69211769
0.340999991	-0.029999999	8.57216263
0.379999995	-0.02	8.69348717
0.342999995	-0.028999999	8.57450676
0.379000008	-0.021	8.69396114
0.344999999	-0.027000001	8.57566929
0.375	-0.021	8.69702244
0.349999994	-0.028000001	8.57710171
0.374000013	-0.022	8.69838524
0.351000011	-0.028000001	8.58069134
0.372999996	-0.022	8.69757843
0.352999985	-0.026000001	8.58204556
0.372000009	-0.022	8.69956112
0.351999998	-0.026000001	8.58460999
0.377999991	-0.022	8.70073414
0.354000002	-0.027000001	8.58716869
0.375	-0.022	8.70045853
0.349999994	-0.026000001	8.59018517
0.377000004	-0.021	8.70213604
0.356000006	-0.025	8.59233379
0.377999991	-0.022	8.70125484
0.354999989	-0.024	8.59428406
0.375	-0.024	8.70262146
0.351000011	-0.023	8.5976553
0.379000008	-0.022	8.70221329
0.349999994	-0.022	8.59980679
0.375999987	-0.023	8.70394325
0.351000011	-0.022	8.60084057
0.375	-0.022	8.70508099
0.349000007	-0.021	8.60608006
0.372999996	-0.023	8.70499229
0.349000007	-0.022	8.60783005
0.374000013	-0.022	8.70359516
0.347000003	-0.02	8.60951042
0.375	-0.023	8.70382118
0.344999999	-0.022	8.61168861
0.374000013	-0.024	8.70313168
0.345999986	-0.022	8.61542416
0.375999987	-0.025	8.70240211
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0.374000013	-0.024	8.70182037
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0.337000012	-0.025	8.63555813
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0.361000001	-0.023	8.7004385
0.333000004	-0.026000001	8.64406776
0.363999993	-0.022	8.69978809
0.330000013	-0.025	8.64638996
0.363000005	-0.021	8.70035172
0.326000005	-0.025	8.64958382
0.361000001	-0.024	8.69913387
0.324999988	-0.025	8.65218544
0.361000001	-0.021	8.70095062
0.321999997	-0.024	8.65502262
0.356999993	-0.022	8.70047379
0.32100001	-0.025	8.65769482
0.35800001	-0.02	8.70028973
0.317999989	-0.026000001	8.65903568
0.35800001	-0.02	8.70110321
0.317999989	-0.024	8.66195488
0.356999993	-0.02	8.70258904
0.312000006	-0.025	8.66588783

Bio_Kopf_v_x_min	BIO_Kopf_v_res_max	Bio_Kopf_v_res_min	BIO_Federrate_avg
1.47918E-05	8.793395695	3.11447E-05	-4.888475956
1.33819E-05	9.262970305	3.23745E-05	-4.638469003
1.47908E-05	8.79164207	3.11453E-05	-4.888493773
1.33801E-05	9.263650101	3.23759E-05	-4.635277231
1.47913E-05	8.803699296	3.11508E-05	-4.879258178
1.33817E-05	9.262564506	3.23727E-05	-4.617740338
1.4789E-05	8.790105942	3.11543E-05	-4.866733268
1.33821E-05	9.285381584	3.23709E-05	-4.598345623
1.4788E-05	8.798048738	3.11567E-05	-4.866923239
1.33823E-05	9.261810155	3.23741E-05	-4.574755271
1.47885E-05	8.774689449	3.11526E-05	-4.877153134
1.33817E-05	9.271149613	3.23727E-05	-4.563060904
1.47904E-05	8.777564604	3.11478E-05	-4.850966429
1.33797E-05	9.270642992	3.2377E-05	-4.566481766
1.47922E-05	8.779597104	3.11481E-05	-4.825626189
1.33824E-05	9.281117194	3.23748E-05	-4.54801556
1.47921E-05	8.777817624	3.11439E-05	-4.833109706
1.33831E-05	9.273127161	3.23719E-05	-4.536638799
1.47916E-05	8.770736916	3.11388E-05	-4.831617114
1.33823E-05	9.27885544	3.23757E-05	-4.531986695
1.47922E-05	8.772521295	3.11334E-05	-4.848278838
1.33824E-05	9.282582484	3.23742E-05	-4.505661176
1.47951E-05	8.77886057	3.11337E-05	-4.835572983
1.33824E-05	9.293483436	3.2375E-05	-4.530718568
1.4794E-05	8.783000548	3.11317E-05	-4.809079053
1.33823E-05	9.281955674	3.23722E-05	-4.554460124
1.47964E-05	8.777577445	3.11296E-05	-4.814492495
1.33805E-05	9.298184087	3.23762E-05	-4.518130823
1.47985E-05	8.782071079	3.11223E-05	-4.831065603
1.33813E-05	9.29023494	3.23775E-05	-4.511160211
1.47965E-05	8.775187137	3.11257E-05	-4.834207603
1.33825E-05	9.296705254	3.23743E-05	-4.560841566
1.4798E-05	8.778928982	3.11215E-05	-4.824178787
1.33824E-05	9.291436031	3.23733E-05	-4.509982181
1.47999E-05	8.788580871	3.11203E-05	-4.805960138
1.33812E-05	9.292848416	3.23759E-05	-4.518281732
1.47987E-05	8.774316084	3.11153E-05	-4.802045898
1.33822E-05	9.298180566	3.23736E-05	-4.514394626
1.47988E-05	8.76462005	3.11113E-05	-4.802538563
1.33808E-05	9.294930506	3.23737E-05	-4.4980949
1.48017E-05	8.763894963	3.11117E-05	-4.790673979
1.33831E-05	9.297623029	3.23803E-05	-4.489703811
1.47993E-05	8.77521185	3.11101E-05	-4.793740369
1.33797E-05	9.282939728	3.23766E-05	-4.526247835
1.47989E-05	8.771750025	3.11079E-05	-4.776696094
1.33817E-05	9.288993114	3.23755E-05	-4.480205852

1.48011E-05	8.773104187	3.11045E-05	-4.755996864
1.33815E-05	9.279207664	3.23757E-05	-4.489889229
1.48016E-05	8.747673299	3.11047E-05	-4.799473667
1.33811E-05	9.288445637	3.23761E-05	-4.488140624
1.48014E-05	8.743829326	3.11071E-05	-4.765470389
1.33814E-05	9.285200057	3.23792E-05	-4.493942634
1.48029E-05	8.743033463	3.11021E-05	-4.773201804
1.33812E-05	9.305789821	3.23732E-05	-4.508974168
1.48034E-05	8.738204174	3.10987E-05	-4.762403142
1.338E-05	9.288678613	3.23777E-05	-4.492024234
1.48034E-05	8.737860767	3.11015E-05	-4.750372396
1.33811E-05	9.29722139	3.23749E-05	-4.529715453
1.48037E-05	8.735519054	3.10939E-05	-4.747308611
1.33809E-05	9.289656916	3.23792E-05	-4.473640645
1.48048E-05	8.739054002	3.10932E-05	-4.757637874
1.33812E-05	9.292025495	3.2378E-05	-4.480412944
1.48035E-05	8.732889333	3.10922E-05	-4.755791716
1.33814E-05	9.305217981	3.23749E-05	-4.479665419
1.48035E-05	8.730523823	3.10947E-05	-4.741158272
1.33823E-05	9.298116952	3.2375E-05	-4.493755253
1.48058E-05	8.745354751	3.10914E-05	-4.726894156
1.33801E-05	9.30160429	3.23785E-05	-4.475384994
1.48023E-05	8.744769764	3.10929E-05	-4.727636477
1.338E-05	9.292838633	3.23785E-05	-4.471653669
1.4804E-05	8.731370374	3.10901E-05	-4.735690129
1.33805E-05	9.280364144	3.23778E-05	-4.399790671
1.48058E-05	8.737735845	3.10884E-05	-4.73522618
1.33827E-05	9.295166396	3.23761E-05	-4.401814327
1.48052E-05	8.734118864	3.10867E-05	-4.724837708
1.33812E-05	9.294941449	3.2378E-05	-4.440912468
1.48043E-05	8.732346421	3.10845E-05	-4.734957931
1.33815E-05	9.299754453	3.23734E-05	-4.400320365
1.48047E-05	8.733310216	3.10889E-05	-4.734500645
1.33812E-05	9.294004999	3.2377E-05	-4.380823316
1.48073E-05	8.728313825	3.10863E-05	-4.737281455
1.33805E-05	9.272579955	3.23783E-05	-4.379931723
1.48055E-05	8.719595482	3.10845E-05	-4.735118245
1.33798E-05	9.289922125	3.23793E-05	-4.381353604
1.4806E-05	8.714972724	3.108E-05	-4.728180611
1.33817E-05	9.302239225	3.23739E-05	-4.374655024
1.48051E-05	8.717659063	3.10821E-05	-4.748863412
1.3383E-05	9.280186517	3.23754E-05	-4.416002569
1.48067E-05	8.709914735	3.10818E-05	-4.759101946
1.3382E-05	9.286904819	3.23794E-05	-4.366411449
1.48073E-05	8.71298657	3.10818E-05	-4.773317074
1.33804E-05	9.294660536	3.23795E-05	-4.39982991
1.48062E-05	8.699089956	3.10792E-05	-4.795551363

1.33817E-05	9.286475364	3.23763E-05	-4.362648801
1.48053E-05	8.701493357	3.10834E-05	-4.783664078
1.33815E-05	9.302911342	3.23787E-05	-4.371220794
1.48065E-05	8.717660948	3.10814E-05	-4.759772269
1.33807E-05	9.296815081	3.23745E-05	-4.387903123
1.48054E-05	8.704647884	3.10779E-05	-4.791750517
1.33799E-05	9.295687064	3.23798E-05	-4.359783403
1.48064E-05	8.701273128	3.10805E-05	-4.778002523
1.33808E-05	9.299194845	3.23787E-05	-4.336783294
1.48062E-05	8.702099124	3.10868E-05	-4.801185104
1.33823E-05	9.301908226	3.23765E-05	-4.392945769
1.48064E-05	8.695531067	3.10844E-05	-4.797886887
1.33793E-05	9.283639548	3.23784E-05	-4.373543471
1.4807E-05	8.710071695	3.10818E-05	-4.784970124
1.33805E-05	9.296068877	3.23796E-05	-4.392596376
1.48054E-05	8.711554929	3.10818E-05	-4.775643238
1.33813E-05	9.286814362	3.23792E-05	-4.360217194
1.48054E-05	8.700150031	3.10826E-05	-4.780000164
1.33801E-05	9.29317747	3.23809E-05	-4.36548037
1.48062E-05	8.69256349	3.10806E-05	-4.814435816
1.33798E-05	9.28567437	3.23801E-05	-4.335811596
1.48063E-05	8.689568725	3.10789E-05	-4.820914487
1.33808E-05	9.283967367	3.23781E-05	-4.355221022
1.48064E-05	8.684087235	3.10795E-05	-4.787853919
1.33797E-05	9.2889329	3.23803E-05	-4.345278658
1.48053E-05	8.68756572	3.10777E-05	-4.793919615
1.33804E-05	9.284313057	3.23767E-05	-4.333652345
1.48059E-05	8.696421869	3.10858E-05	-4.781789112
1.33802E-05	9.283409849	3.23811E-05	-4.349678745
1.48035E-05	8.69000289	3.10836E-05	-4.788689518
1.3381E-05	9.284039386	3.23777E-05	-4.335808113
1.48062E-05	8.678020135	3.10783E-05	-4.777007145
1.33813E-05	9.288987678	3.2377E-05	-4.318631811
1.48057E-05	8.681065208	3.10789E-05	-4.79942429
1.33803E-05	9.283074092	3.23786E-05	-4.375393676
1.48067E-05	8.695397793	3.10762E-05	-4.811674222
1.33805E-05	9.281195931	3.23776E-05	-4.362407489
1.48044E-05	8.687261884	3.10795E-05	-4.814408641
1.33806E-05	9.285899327	3.23796E-05	-4.332409816
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-0.009733002	8.65013624	4.08092E-05	-4.423387496
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-0.009732828	8.659570818	4.08119E-05	-2.867321666
-0.005816036	8.532001962	4.7095E-05	-5.898974018
-0.009732857	8.666687559	4.08113E-05	-3.3655628
-0.005816211	8.535929889	4.70938E-05	-5.840025733
-0.009733928	8.671888796	4.08132E-05	-316.1660902
-0.005815921	8.537773493	4.70946E-05	-5.787059286
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-0.009733807	8.681053316	4.08134E-05	-1.454308241
-0.005817132	8.544955424	4.70975E-05	-5.751356488
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-0.009734546	8.692959871	4.08145E-05	-9.332431559
-0.005817352	8.559823503	4.70966E-05	-5.623961132
-0.009734802	8.69529718	4.08145E-05	-8.200067426
-0.005817639	8.564520146	4.70952E-05	-5.608209919
-0.009734572	8.696158113	4.08148E-05	-7.305101534
-0.005817523	8.56928038	4.70978E-05	-5.554001461
-0.009735847	8.698679635	4.08141E-05	-6.927229574
-0.005817649	8.573893219	4.70962E-05	-5.523058609
-0.00973579	8.700012508	4.08162E-05	-6.488462509
-0.005817729	8.577502545	4.7096E-05	-5.47937897
-0.009736256	8.702214222	4.08164E-05	-6.388207977
-0.005818942	8.581501291	4.70979E-05	-5.452412521
-0.009736465	8.703984078	4.08167E-05	-6.244233974
-0.005818222	8.58494411	4.70971E-05	-5.443415187
-0.009736745	8.70352792	4.08175E-05	-6.061773222
-0.005818679	8.588851998	4.70996E-05	-5.41715798
-0.009736923	8.709884037	4.08167E-05	-5.925509924
-0.005818053	8.592770996	4.70982E-05	-5.382680559
-0.009737248	8.710515165	4.08173E-05	-5.794562837
-0.005818826	8.594682598	4.70988E-05	-5.36704836
-0.00973753	8.711288042	4.08177E-05	-5.702140095
-0.005819686	8.598049546	4.71E-05	-5.343923108
-0.009737769	8.715236561	4.08177E-05	-5.660848746
-0.005819436	8.601874215	4.71004E-05	-5.328828641
-0.009737437	8.715428045	4.08183E-05	-5.536631804
-0.00581936	8.603163193	4.71004E-05	-5.319217046
-0.009738477	8.716349179	4.08178E-05	-5.471127187

-0.005820101	8.605653951	4.71001E-05	-5.303567897
-0.009738295	8.71848483	4.08163E-05	-5.440320549
-0.005819877	8.609090969	4.70992E-05	-5.292580057
-0.009738437	8.720050342	4.08182E-05	-5.398568757
-0.005820451	8.610386581	4.71014E-05	-5.286425984
-0.00973926	8.720656431	4.08196E-05	-5.393979652
-0.005820079	8.611736676	4.70985E-05	-5.258423369
-0.009739148	8.720271705	4.08195E-05	-5.319958181
-0.005819593	8.611731554	4.70975E-05	-5.226619874
-0.009739671	8.722448377	4.08196E-05	-5.328507175
-0.005820695	8.612131472	4.71021E-05	-5.20933307
-0.009740004	8.723243331	4.08201E-05	-5.24033087
-0.005820904	8.614907273	4.71007E-05	-5.217393283
-0.00974007	8.721769084	4.08203E-05	-5.220139131
-0.00582103	8.615341674	4.71013E-05	-5.179454599
-0.009740467	8.723069627	4.0821E-05	-5.178399553
-0.005821324	8.617093685	4.71019E-05	-5.176206761
-0.009740451	8.723559021	4.08199E-05	-5.134601532
-0.005821031	8.618727869	4.71005E-05	-5.178803086
-0.009740767	8.722825306	4.08196E-05	-5.108580458
-0.005821897	8.621192253	4.71013E-05	-5.166502814
-0.009741355	8.723799743	4.08195E-05	-5.128491044
-0.005821674	8.622542751	4.71001E-05	-5.158633793
-0.00974164	8.72242288	4.08216E-05	-5.119822935
-0.005821506	8.623754257	4.71008E-05	-5.152281741
-0.009741536	8.72318615	4.08206E-05	-5.073101618
-0.005822415	8.626358167	4.71033E-05	-5.141449168
-0.009742756	8.722256646	4.08222E-05	-5.026079911
-0.005822517	8.627801276	4.71024E-05	-5.138804658
-0.009742493	8.723481874	4.08218E-05	-5.041672309
-0.005823261	8.627900449	4.71029E-05	-5.127504099
-0.009743088	8.724197376	4.08233E-05	-4.982705682
-0.005822236	8.632579559	4.71014E-05	-5.122569249
-0.009743677	8.723776003	4.08234E-05	-5.011152625
-0.005822719	8.633601099	4.71023E-05	-5.114663874
-0.009743822	8.721829306	4.08214E-05	-4.997450311
-0.005822955	8.634530416	4.71029E-05	-5.123956119
-0.009743721	8.721804304	4.08232E-05	-4.971129773
-0.005823254	8.63602889	4.71026E-05	-5.121731484
-0.009743955	8.720794178	4.08231E-05	-4.986632419
-0.005823444	8.639331404	4.71036E-05	-5.100902957
-0.009744599	8.719663545	4.08228E-05	-4.950831369
-0.005823534	8.642332331	4.71032E-05	-5.10291844
-0.009744212	8.719705275	4.08243E-05	-4.972635365
-0.005823939	8.643832846	4.71036E-05	-5.069810361
-0.009745303	8.718563052	4.0824E-05	-4.960845858
-0.005823649	8.646999522	4.71048E-05	-5.056739594

-0.00974456	8.717720855	4.08238E-05	-4.962053168
-0.005823785	8.64902352	4.71032E-05	-5.050920167
-0.009745547	8.716548053	4.08234E-05	-4.941815912
-0.00582411	8.651958805	4.71019E-05	-5.039135021
-0.009746166	8.716261192	4.08261E-05	-4.924949469
-0.005824176	8.654347536	4.71034E-05	-5.043169247
-0.009745711	8.715178115	4.08224E-05	-4.91638085
-0.005823961	8.656367879	4.71024E-05	-5.037567177
-0.009746227	8.715850857	4.08257E-05	-4.901813373
-0.005824914	8.659612734	4.71043E-05	-5.021916247
-0.009746156	8.714759063	4.08263E-05	-4.886751956
-0.005824744	8.661777686	4.71049E-05	-4.995945742
-0.00974716	8.715456806	4.08263E-05	-4.891160869
-0.005824694	8.663739579	4.71039E-05	-4.991086305
-0.009747657	8.714671809	4.08244E-05	-4.894097875
-0.005825076	8.665712974	4.71035E-05	-4.982393827
-0.00974708	8.715098115	4.08257E-05	-4.888007148
-0.005824484	8.668666934	4.71018E-05	-4.984357656
-0.009747267	8.71364624	4.08251E-05	-4.879815933
-0.005825244	8.670939278	4.71047E-05	-4.98246178
-0.00974776	8.715210798	4.08257E-05	-4.893716186
-0.005825354	8.673420026	4.71052E-05	-4.982852688
-0.009747815	8.714520878	4.08255E-05	-4.8977632
-0.005825646	8.675832294	4.71051E-05	-4.982621568
-0.009748038	8.714221795	4.08253E-05	-4.85362519
-0.005825642	8.676779748	4.71053E-05	-4.949062374
-0.009748884	8.714759522	4.08276E-05	-4.854361482
-0.005825898	8.679249224	4.71067E-05	-4.930788892
-0.009749176	8.715918184	4.0828E-05	-4.90043015
-0.005825722	8.682776166	4.7105E-05	-4.983394629

BIO_Energie_Kopf_max	BIO_Energie_Kopf_min	BIO_Energie_Oberkörper_max
176.6553952	5.01043E-10	2727.080879
196.2332947	4.10084E-10	3034.718066
176.536567	5.00979E-10	2728.279768
196.282424	4.09971E-10	3032.330813
176.9938028	5.01014E-10	2728.022496
196.2547651	4.10071E-10	3026.631528
176.3728124	5.00857E-10	2724.960786
197.1960467	4.10097E-10	3034.2436
176.6772629	5.00789E-10	2726.047265
196.2646315	4.10107E-10	3015.877176
175.6441047	5.00819E-10	2715.388928
196.6508242	4.10073E-10	3018.108174
175.7204661	5.00954E-10	2712.707795
196.6344721	4.0995E-10	3017.022617
175.7688315	5.01072E-10	2714.716676
197.0716737	4.10111E-10	3021.6171
175.6677462	5.01065E-10	2709.476091
196.7426743	4.10154E-10	3013.511045
175.3290038	5.01033E-10	2706.999532
196.9867549	4.10105E-10	3013.983603
175.3387118	5.01074E-10	2710.702669
197.1573406	4.10115E-10	3010.332997
175.6044006	5.01271E-10	2705.18898
197.6137055	4.1011E-10	3014.669222
175.7335899	5.01195E-10	2706.623069
197.1444932	4.10105E-10	3008.926549
175.4644005	5.01358E-10	2703.93017
197.8194324	4.09995E-10	3010.326107
175.6224161	5.01501E-10	2700.078075
197.5071704	4.10045E-10	3004.33967
175.2798584	5.01366E-10	2697.696071
197.7834663	4.10117E-10	3003.982421
175.4060611	5.01465E-10	2698.483888
197.5699683	4.10111E-10	3001.574085
175.7795082	5.01596E-10	2699.89101
197.634034	4.10042E-10	2998.815832
175.1307439	5.01514E-10	2693.808254
197.8644152	4.10098E-10	2997.784429
174.6810726	5.01523E-10	2690.277688
197.7302938	4.10016E-10	2996.209533
174.6531111	5.01717E-10	2689.894585
197.8569855	4.10158E-10	2993.992864
175.1019446	5.01552E-10	2694.850032
197.2520654	4.09946E-10	2989.158917
174.9266025	5.01527E-10	2691.288121
197.5184877	4.10069E-10	2988.462337

174.9792875	5.01675E-10	2689.386038
197.1117898	4.10058E-10	2983.243052
173.810404	5.01708E-10	2682.473692
197.5042904	4.10035E-10	2985.426179
173.6500487	5.01698E-10	2680.823958
197.3706968	4.1005E-10	2983.348201
173.5951684	5.01801E-10	2675.93023
198.239539	4.10036E-10	2985.907833
173.3397445	5.01835E-10	2675.705447
197.5315905	4.09966E-10	2978.602837
173.2995797	5.01833E-10	2676.23707
197.8897511	4.10032E-10	2981.547807
173.1765301	5.01854E-10	2672.890772
197.5779606	4.1002E-10	2978.21999
173.2831275	5.01929E-10	2672.326
197.6800914	4.10042E-10	2979.586947
173.0073937	5.01837E-10	2672.31969
198.2405954	4.10054E-10	2976.820123
172.8719622	5.01836E-10	2666.040616
197.9407926	4.10104E-10	2973.400572
173.4548691	5.01992E-10	2672.027898
198.0930624	4.09971E-10	2971.988524
173.4301992	5.01759E-10	2669.760035
197.7271283	4.09966E-10	2968.082316
172.8312445	5.01876E-10	2664.801169
197.2032209	4.09999E-10	2962.058411
173.0269843	5.01995E-10	2661.341147
197.8285668	4.1013E-10	2965.896741
172.866156	5.01951E-10	2660.949368
197.8210564	4.10037E-10	2964.184834
172.7942116	5.01891E-10	2656.124505
198.0310344	4.10061E-10	2964.679662
172.7489129	5.01922E-10	2659.125828
197.7893117	4.10041E-10	2961.449318
172.5283833	5.02095E-10	2652.113843
196.8888127	4.09996E-10	2949.037984
172.1523487	5.01976E-10	2649.243478
197.6230376	4.09953E-10	2955.445349
171.8940152	5.02007E-10	2647.269587
198.1448615	4.10067E-10	2959.272712
171.9824266	5.01946E-10	2646.767819
197.2134758	4.10153E-10	2948.221462
171.6110334	5.02057E-10	2641.494416
197.4981651	4.10089E-10	2951.014164
171.6704775	5.02098E-10	2646.422325
197.826821	4.09993E-10	2953.862485
171.0335003	5.02022E-10	2638.843017

197.4827518	4.1007E-10	2948.735945
171.087823	5.01964E-10	2637.901041
198.1810233	4.1006E-10	2949.798435
171.7994979	5.0204E-10	2641.430029
197.9246713	4.10009E-10	2944.3697
171.157108	5.01971E-10	2638.104771
197.8774482	4.0996E-10	2943.52013
170.9823562	5.02034E-10	2636.13754
198.0272975	4.10012E-10	2945.404571
170.975374	5.02021E-10	2633.810709
198.142708	4.10109E-10	2946.303545
170.6653581	5.02038E-10	2631.480387
197.3639656	4.09923E-10	2933.182228
171.2424211	5.02076E-10	2633.409819
197.8931618	4.1E-10	2936.370563
171.2784939	5.01966E-10	2635.499645
197.4970699	4.10043E-10	2931.992461
170.7370466	5.01969E-10	2634.176635
197.7667833	4.09973E-10	2934.204229
170.3575074	5.02019E-10	2629.927627
197.4465322	4.09956E-10	2928.215086
170.1706636	5.02025E-10	2631.643538
197.3705343	4.10015E-10	2924.819386
169.8909475	5.02034E-10	2630.378285
197.5842088	4.09945E-10	2928.018262
170.0171902	5.01963E-10	2632.529927
197.3852137	4.09989E-10	2922.293398
170.344322	5.02002E-10	2634.885372
197.3430022	4.0998E-10	2921.915293
170.0289703	5.01839E-10	2634.792179
197.3684258	4.10029E-10	2922.225678
169.4561367	5.02024E-10	2633.048277
197.5771085	4.10046E-10	2922.804924
169.5049475	5.0199E-10	2635.895393
197.3222423	4.09985E-10	2919.384923
170.1061338	5.02057E-10	2635.560832
197.2407154	4.09995E-10	2918.89985
169.6901849	5.01902E-10	2637.835425
197.4424355	4.10005E-10	2919.192031
168.4425084	8.81599E-11	3003.066404
163.4339615	3.25842E-12	3003.25738
168.6546391	3.75366E-11	3001.240547
163.6495249	1.66342E-12	3001.349645
168.8206969	1.71283E-11	2999.7935
163.8284319	5.64261E-12	2999.689604
169.0478138	3.1546E-11	2998.502689
164.0411499	1.95664E-11	2997.718313

169.294198	8.81899E-11	2996.372019
164.2441665	4.37273E-13	2995.600159
169.5056615	4.14865E-11	2995.375148
164.4057076	1.03784E-11	2993.693352
169.7339152	7.14972E-11	2993.458793
164.5707715	1.22692E-11	2991.8307
170.0536232	8.81877E-11	2991.799283
164.7431426	5.12568E-11	2990.305901
170.2834128	8.82425E-11	2990.623756
164.8407016	6.14223E-11	2987.992767
170.4195601	8.81793E-11	2988.723458
164.9969002	6.14446E-11	2986.353743
170.7040855	8.82293E-11	2987.597763
165.1551758	6.14351E-11	2984.459627
170.9439747	8.82045E-11	2986.027983
165.3528301	6.14335E-11	2982.194429
171.0633596	8.82417E-11	2984.815807
165.5940194	6.14342E-11	2979.801115
171.2188152	8.81921E-11	2982.995573
165.7656246	6.14342E-11	2977.933863
171.3552978	8.82044E-11	2981.845107
165.8417036	6.144E-11	2975.243885
171.4869214	8.82191E-11	2980.322196
166.0442312	6.14378E-11	2973.549069
171.5615797	8.82423E-11	2978.929914
166.2490037	6.14491E-11	2972.432824
171.7101128	3.48446E-11	2978.035623
166.450216	6.14363E-11	2970.619171
171.8155772	8.82375E-11	2976.141557
166.6168994	6.14439E-11	2968.763455
171.9452197	2.24613E-12	2974.61979
166.7922767	6.14561E-11	2966.794007
172.0582904	4.44526E-11	2972.920605
166.9635316	6.14431E-11	2964.176466
172.0756308	8.82461E-11	2971.728947
167.1446889	6.1439E-11	2962.473909
172.369227	8.82469E-11	2970.751481
167.3243757	6.1447E-11	2960.323101
172.4272487	8.82135E-11	2969.336836
167.4305016	6.1457E-11	2958.339465
172.4889193	8.82172E-11	2967.402981
167.6029435	6.14632E-11	2957.345201
172.6850717	8.82333E-11	2966.624292
167.788335	6.1441E-11	2955.84554
172.7284658	8.82464E-11	2964.24535
167.875871	6.14512E-11	2953.660529
172.7982334	8.82422E-11	2963.019164

168.0092943	6.14587E-11	2951.934842
172.9117741	8.82428E-11	2961.954163
168.1743229	6.14524E-11	2949.978814
173.0161638	4.74224E-12	2959.930595
168.2737162	6.14543E-11	2948.38336
173.0706869	1.69443E-12	2958.410957
168.3657605	6.14327E-11	2946.800996
173.0895591	3.09568E-14	2956.915224
168.4114176	6.14459E-11	2944.560295
173.2114764	9.84733E-12	2955.648614
168.4676829	6.14579E-11	2942.77692
173.2657642	8.82646E-11	2954.54195
168.6087243	6.1463E-11	2941.196053
173.2336236	8.82734E-11	2952.739371
168.6619487	6.14796E-11	2939.007385
173.3126128	8.82602E-11	2951.241929
168.7627607	6.14581E-11	2937.77702
173.3593538	8.82812E-11	2949.927947
168.8633774	6.14575E-11	2936.147349
173.3483711	8.82935E-11	2947.795046
168.9820341	6.14521E-11	2935.087729
173.4152231	8.82807E-11	2946.300745
169.0665779	6.14628E-11	2933.628602
173.380104	8.82773E-11	2944.100347
169.1433354	6.14569E-11	2932.138277
173.4345704	8.82635E-11	2942.448355
169.2760595	6.14638E-11	2930.882672
173.418302	8.83037E-11	2940.85084
169.3607899	6.14733E-11	2928.91745
173.4872583	8.83083E-11	2940.043404
169.40151	6.14735E-11	2927.253547
173.5326162	8.83095E-11	2938.218488
169.6079661	6.14559E-11	2925.85956
173.5290799	3.9759E-11	2936.450925
169.6769504	6.1469E-11	2924.492855
173.4733823	2.00345E-11	2934.552002
169.7432035	6.14653E-11	2922.977718
173.4823922	1.83138E-11	2933.148459
169.8291038	6.1465E-11	2922.423942
173.4549074	1.85515E-12	2931.524521
169.9764716	6.14938E-11	2921.186327
173.4258277	3.28662E-11	2930.074325
170.1192724	6.14764E-11	2920.09336
173.4356346	3.32293E-11	2928.421372
170.1960797	6.14813E-11	2919.059242
173.4026421	5.10342E-11	2927.633196
170.3420617	6.15069E-11	2917.72092

173.3830307	8.8304E-11	2926.261591
170.4386642	6.14762E-11	2916.416566
173.3419106	8.82999E-11	2925.210251
170.5695962	6.14715E-11	2915.733869
173.3414547	8.82962E-11	2923.975743
170.6735782	6.14752E-11	2914.130001
173.307065	8.83102E-11	2923.407416
170.7718591	4.82001E-11	2913.076061
173.3443807	8.8323E-11	2922.104656
170.91722	6.14773E-11	2912.154374
173.3113589	8.82945E-11	2920.496867
171.0140606	5.97418E-11	2911.147598
173.3475729	8.82999E-11	2919.571485
171.108588	4.45448E-11	2910.044788
173.3216563	8.83015E-11	2918.724296
171.2005359	3.01504E-11	2909.413707
173.3441149	8.83276E-11	2918.296312
171.3270376	4.30045E-11	2908.288356
173.2955899	8.82825E-11	2916.891118
171.4301165	2.40103E-11	2907.353149
173.3679805	8.83199E-11	2915.453313
171.5425639	1.61139E-11	2906.783636
173.3489792	8.83397E-11	2914.565527
171.6485063	7.99539E-12	2905.906578
173.3416448	8.83174E-11	2913.581355
171.7016785	1.96527E-11	2904.904184
173.3740613	8.83029E-11	2912.673608
171.8174688	5.5873E-12	2903.50121
173.4332782	8.83363E-11	2911.473788
171.9735312	2.46056E-11	2903.193447

BIO_Energie_Oberkörper_min	BIO_Energie_Gesamt_max	BIO_Energie_Gesamt_min
1.10807E-09	2897.365246	1.60911E-09
6.92411E-09	3216.170162	7.33419E-09
1.10878E-09	2898.243974	1.60975E-09
6.92238E-09	3213.832131	7.33235E-09
1.1095E-09	2898.575491	1.61051E-09
6.92051E-09	3208.281469	7.33058E-09
1.11236E-09	2895.27051	1.61321E-09
6.92812E-09	3217.258918	7.33821E-09
1.11039E-09	2897.262075	1.61118E-09
6.92716E-09	3197.834676	7.33726E-09
1.11546E-09	2884.485437	1.61628E-09
6.92118E-09	3200.540617	7.33125E-09
1.1154E-09	2883.112236	1.61635E-09
6.92505E-09	3199.619875	7.335E-09
1.11558E-09	2884.903196	1.61665E-09
6.92792E-09	3204.899772	7.33804E-09
1.1149E-09	2882.271234	1.61597E-09
6.92608E-09	3196.358929	7.33623E-09
1.11571E-09	2879.615673	1.61675E-09
6.93354E-09	3197.136375	7.34365E-09
1.11503E-09	2882.856041	1.6161E-09
6.92805E-09	3193.802141	7.33817E-09
1.11496E-09	2878.028764	1.61623E-09
6.94274E-09	3198.524408	7.35285E-09
1.11622E-09	2879.504845	1.61742E-09
6.92773E-09	3192.349932	7.33784E-09
1.11835E-09	2876.501607	1.61971E-09
6.91547E-09	3194.717397	7.32547E-09
1.11448E-09	2872.859803	1.61598E-09
6.92763E-09	3188.29813	7.33768E-09
1.11581E-09	2870.054626	1.61717E-09
6.92343E-09	3187.940081	7.33355E-09
1.11642E-09	2870.900131	1.61788E-09
6.92383E-09	3185.22998	7.33394E-09
1.11399E-09	2872.697565	1.61559E-09
6.92614E-09	3182.534812	7.33619E-09
1.114E-09	2865.808419	1.61551E-09
6.92583E-09	3181.781465	7.33592E-09
1.11499E-09	2861.781981	1.61651E-09
6.92066E-09	3179.833139	7.33068E-09
1.11654E-09	2861.267781	1.61826E-09
6.92294E-09	3177.758036	7.3331E-09
1.11512E-09	2866.599494	1.61667E-09
6.93505E-09	3171.777256	7.34499E-09
1.11341E-09	2862.823673	1.61493E-09
6.92714E-09	3171.677879	7.33721E-09

1.11277E-09	2860.986396	1.61445E-09
6.92734E-09	3165.773594	7.33739E-09
1.11488E-09	2852.75059	1.61658E-09
6.93787E-09	3168.544593	7.34791E-09
1.11201E-09	2850.835402	1.61371E-09
6.92869E-09	3166.350289	7.33874E-09
1.11705E-09	2845.922267	1.61885E-09
6.93639E-09	3169.916045	7.34642E-09
1.11684E-09	2845.320495	1.61868E-09
6.92858E-09	3161.753692	7.33855E-09
1.11545E-09	2845.659484	1.61728E-09
6.92762E-09	3165.068773	7.33765E-09
1.1127E-09	2842.20702	1.61456E-09
6.91419E-09	3161.301395	7.32421E-09
1.11541E-09	2841.672504	1.61734E-09
6.92585E-09	3162.969937	7.33589E-09
1.11286E-09	2841.288051	1.61469E-09
6.93084E-09	3161.358407	7.3409E-09
1.11219E-09	2834.888541	1.61403E-09
6.93347E-09	3157.611415	7.34357E-09
1.11325E-09	2841.406121	1.61524E-09
6.94654E-09	3156.782506	7.35651E-09
1.1109E-09	2839.058708	1.61266E-09
6.92516E-09	3152.252315	7.33512E-09
1.11059E-09	2833.519928	1.61246E-09
6.95425E-09	3146.019504	7.36425E-09
1.11155E-09	2830.201867	1.61355E-09
6.94065E-09	3150.733782	7.35078E-09
1.11023E-09	2829.552002	1.61218E-09
6.93122E-09	3149.200394	7.34126E-09
1.10897E-09	2824.647655	1.61086E-09
6.9294E-09	3150.451417	7.33946E-09
1.11127E-09	2827.588994	1.61319E-09
6.92943E-09	3146.859162	7.33947E-09
1.1118E-09	2820.229004	1.6139E-09
6.92572E-09	3133.600115	7.33572E-09
1.11253E-09	2816.898031	1.6145E-09
6.93625E-09	3140.90049	7.3462E-09
1.11107E-09	2814.578373	1.61308E-09
6.93122E-09	3145.122487	7.34129E-09
1.10903E-09	2814.131147	1.61097E-09
6.92953E-09	3133.107329	7.33968E-09
1.11308E-09	2808.508319	1.61513E-09
6.92873E-09	3136.053121	7.33882E-09
1.11328E-09	2813.347297	1.61538E-09
6.93332E-09	3139.18182	7.34331E-09
1.11102E-09	2805.037507	1.61304E-09

6.93457E-09	3133.728294	7.34464E-09
1.11041E-09	2804.06465	1.61237E-09
6.94242E-09	3135.778354	7.35248E-09
1.11002E-09	2808.352062	1.61206E-09
6.93092E-09	3130.313831	7.34092E-09
1.11347E-09	2804.263472	1.61544E-09
6.93143E-09	3129.313932	7.34139E-09
1.11152E-09	2800.780856	1.61355E-09
6.93895E-09	3131.324967	7.34896E-09
1.11272E-09	2799.054182	1.61474E-09
6.93424E-09	3132.077181	7.34435E-09
1.11264E-09	2795.554669	1.61468E-09
6.94237E-09	3118.793297	7.35229E-09
1.11219E-09	2795.952151	1.61426E-09
6.93797E-09	3122.800251	7.34797E-09
1.11182E-09	2797.547189	1.61379E-09
6.93004E-09	3118.063668	7.34008E-09
1.1102E-09	2793.810025	1.61217E-09
6.93552E-09	3120.655335	7.34549E-09
1.11285E-09	2787.406044	1.61487E-09
6.93899E-09	3115.572601	7.34895E-09
1.11284E-09	2786.210564	1.61487E-09
6.93051E-09	3113.898314	7.34053E-09
1.11354E-09	2783.375405	1.61558E-09
6.93919E-09	3115.342538	7.34914E-09
1.11108E-09	2783.141752	1.61304E-09
6.93268E-09	3112.998863	7.34267E-09
1.11275E-09	2787.324102	1.61475E-09
6.94379E-09	3111.203896	7.35377E-09
1.11167E-09	2783.398588	1.6135E-09
6.93816E-09	3111.139704	7.34819E-09
1.11289E-09	2780.079873	1.61491E-09
6.92923E-09	3110.431663	7.33928E-09
1.11323E-09	2780.151779	1.61522E-09
6.93597E-09	3107.28916	7.34595E-09
1.11561E-09	2780.406623	1.61767E-09
6.93693E-09	3105.317516	7.34692E-09
1.11139E-09	2778.471931	1.61329E-09
6.93575E-09	3105.620418	7.34576E-09
2.90359E-09	3171.377847	2.99175E-09
4.02846E-09	3165.379918	4.08988E-09
2.90475E-09	3169.754736	2.99292E-09
4.02846E-09	3163.754706	4.08989E-09
2.90053E-09	3168.461407	2.98871E-09
4.02803E-09	3162.341372	4.08947E-09
2.90086E-09	3167.36573	2.98903E-09
4.02695E-09	3160.629105	4.08837E-09

2.89619E-09	3165.453851	2.98438E-09
4.02726E-09	3158.77342	4.0887E-09
2.89617E-09	3164.62303	2.98436E-09
4.02624E-09	3157.081887	4.08767E-09
2.89533E-09	3162.915074	2.98352E-09
4.02812E-09	3155.42974	4.08957E-09
2.89612E-09	3161.542182	2.98431E-09
4.02704E-09	3154.117003	4.08848E-09
2.89216E-09	3160.546964	2.9804E-09
4.02686E-09	3151.92217	4.08828E-09
2.89278E-09	3158.762182	2.98096E-09
4.02745E-09	3150.472115	4.08889E-09
2.89105E-09	3157.880846	2.97928E-09
4.02691E-09	3148.788123	4.08834E-09
2.89145E-09	3156.510559	2.97966E-09
4.02675E-09	3146.755957	4.08819E-09
2.88787E-09	3155.365961	2.97611E-09
4.02554E-09	3144.653632	4.08698E-09
2.88866E-09	3153.678809	2.97685E-09
4.0246E-09	3143.006279	4.08604E-09
2.88884E-09	3152.635573	2.97704E-09
4.02284E-09	3140.43106	4.08428E-09
2.88628E-09	3151.19428	2.9745E-09
4.02514E-09	3138.986339	4.08658E-09
2.88583E-09	3149.825394	2.97407E-09
4.02541E-09	3138.107215	4.08686E-09
2.88421E-09	3149.063833	2.97245E-09
4.02485E-09	3136.542089	4.08629E-09
2.88187E-09	3147.253348	2.97011E-09
4.02437E-09	3134.886246	4.08582E-09
2.8838E-09	3145.863993	2.97201E-09
4.02322E-09	3133.128648	4.08468E-09
2.88171E-09	3144.258236	2.96997E-09
4.02275E-09	3130.744397	4.0842E-09
2.88274E-09	3143.048745	2.97099E-09
4.02321E-09	3129.24963	4.08464E-09
2.88168E-09	3142.360701	2.96993E-09
4.02171E-09	3127.317988	4.08316E-09
2.87978E-09	3140.987751	2.96799E-09
4.02233E-09	3125.468464	4.08379E-09
2.87979E-09	3139.108932	2.968E-09
4.02064E-09	3124.680896	4.0821E-09
2.87933E-09	3138.50636	2.96757E-09
4.02249E-09	3123.406739	4.08393E-09
2.87825E-09	3136.177104	2.96649E-09
4.02184E-09	3121.335295	4.08329E-09
2.8772E-09	3135.009658	2.96544E-09

4.02114E-09	3119.768572	4.0826E-09
2.87798E-09	3134.027335	2.96622E-09
4.02139E-09	3118.002493	4.08284E-09
2.87738E-09	3132.106638	2.9656E-09
4.02135E-09	3116.525899	4.08281E-09
2.87743E-09	3130.631582	2.96571E-09
4.02154E-09	3115.050871	4.08297E-09
2.87646E-09	3129.17144	2.96471E-09
4.01992E-09	3112.864642	4.08137E-09
2.87546E-09	3128.029882	2.96374E-09
4.0217E-09	3111.146772	4.08316E-09
2.87548E-09	3126.991447	2.96374E-09
4.02159E-09	3109.72264	4.08305E-09
2.87368E-09	3125.174843	2.96195E-09
4.01936E-09	3107.59541	4.08084E-09
2.87504E-09	3123.731416	2.9633E-09
4.02077E-09	3106.474095	4.08223E-09
2.87233E-09	3122.487112	2.96061E-09
4.01777E-09	3104.950525	4.07923E-09
2.87062E-09	3120.358579	2.95891E-09
4.02074E-09	3104.020626	4.0822E-09
2.87228E-09	3118.922827	2.96056E-09
4.01855E-09	3102.650449	4.08001E-09
2.87249E-09	3116.707631	2.96076E-09
4.01929E-09	3101.240736	4.08075E-09
2.87172E-09	3115.142779	2.95998E-09
4.01557E-09	3100.130868	4.07703E-09
2.86949E-09	3113.556645	2.95779E-09
4.01801E-09	3098.254149	4.07949E-09
2.87033E-09	3112.821994	2.95864E-09
4.01849E-09	3096.632743	4.07996E-09
2.86971E-09	3111.053347	2.95802E-09
4.01776E-09	3095.451813	4.07922E-09
2.86986E-09	3109.309282	2.95814E-09
4.01853E-09	3094.15783	4.08E-09
2.86648E-09	3107.369057	2.95477E-09
4.01752E-09	3092.710392	4.07899E-09
2.86823E-09	3105.987626	2.95652E-09
4.01811E-09	3092.245862	4.07958E-09
2.86636E-09	3104.349586	2.95466E-09
4.01813E-09	3091.15667	4.07962E-09
2.86713E-09	3102.881764	2.95542E-09
4.01804E-09	3090.208754	4.07951E-09
2.86648E-09	3101.268343	2.9548E-09
4.01716E-09	3089.251217	4.07864E-09
2.86666E-09	3100.470352	2.95494E-09
4.01621E-09	3088.059365	4.07771E-09

2.86677E-09	3099.095184	2.95508E-09
4.01731E-09	3086.851355	4.07879E-09
2.86509E-09	3098.029867	2.95339E-09
4.01575E-09	3086.300412	4.07722E-09
2.86534E-09	3096.81202	2.95364E-09
4.01681E-09	3084.801279	4.07828E-09
2.86533E-09	3096.223048	2.95364E-09
4.01576E-09	3083.844374	4.07721E-09
2.86475E-09	3094.967389	2.95307E-09
4.01639E-09	3083.068092	4.07787E-09
2.86611E-09	3093.336225	2.95441E-09
4.01252E-09	3082.159431	4.07401E-09
2.86193E-09	3092.469109	2.95023E-09
4.01629E-09	3081.149563	4.07776E-09
2.86115E-09	3091.604095	2.94945E-09
4.01514E-09	3080.608217	4.07662E-09
2.86426E-09	3091.209248	2.95259E-09
4.01479E-09	3079.607347	4.07625E-09
2.86414E-09	3089.781719	2.95242E-09
4.01575E-09	3078.773024	4.07723E-09
2.86312E-09	3088.401357	2.95144E-09
4.01674E-09	3078.314783	4.07823E-09
2.86181E-09	3087.501714	2.95015E-09
4.01589E-09	3077.541674	4.07738E-09
2.86254E-09	3086.540284	2.95085E-09
4.0147E-09	3076.590532	4.07619E-09
2.86141E-09	3085.682296	2.94972E-09
4.01579E-09	3075.302692	4.07728E-09
2.86124E-09	3084.491688	2.94957E-09
4.01522E-09	3075.146691	4.07671E-09

BIO_Energie_Gesamt_Summe	BIO_Wirkung	BIO_T_Kopfkontakt	BIO_t_start	BIO_t_ende
7017053.292	350784.4243	80.8998914	50.1222496	131.022141
7626477.004	381252.22	77.2000009	50.0222511	127.222252
7014115.941	350637.4688	81.2998084	50.1222496	131.422058
7623330.277	381094.9115	77.3000026	50.0722504	127.372253
7014723.061	350667.4917	81.4496992	50.1722488	131.621948
7614772.4	380667.0201	77.3999974	50.1222496	127.522247
7007323.422	350297.3611	81.7995831	50.2222519	132.021835
7630705.269	381462.7736	77.6497572	50.1722488	127.822006
7009809.785	350422.4997	82.0999831	50.2222519	132.322235
7601228.11	379989.7243	77.9500041	50.2222519	128.172256
6981264.812	348995.0095	82.5997889	50.2722511	132.87204
7610047.227	380430.6547	77.9499966	50.3222504	128.272247
6978510.064	348856.8212	82.8995929	50.2722511	133.171844
7607730.88	380314.8361	78.0000034	50.3722496	128.372253
6980961.183	348980.1292	83.5499116	50.3222504	133.872162
7619642.937	380910.3722	78.2999952	50.4222488	128.722244
6972404.025	348552.2385	83.5999034	50.3722496	133.972153
7606961.844	380276.375	78.3499981	50.4722519	128.82225
6966351.673	348249.347	83.7497482	50.4222488	134.171997
7608193.156	380337.8917	78.3500019	50.5222511	128.872253
6972051.924	348534.2359	83.9997021	50.4722519	134.471954
7604353.864	380145.8757	78.8000026	50.5722504	129.372253
6960830.075	347973.1661	84.0496789	50.5222511	134.57193
7610143.253	380435.3163	78.3000064	50.6222496	128.922256
6962161.622	348039.8707	84.5997504	50.6222496	135.222
7603280.416	380092.2426	78.0000072	50.6722488	128.672256
6957559.149	347810.0557	84.6498642	50.6722488	135.322113
7607241.785	380290.2234	78.5499951	50.7222519	129.272247
6949444.824	347404.0927	84.5497511	50.7222519	135.272003
7600128.92	379934.6001	78.7499959	50.7722511	129.522247
6942478.525	347055.3311	84.7495266	50.8222504	135.571777
7599371.551	379896.6954	77.8000026	50.8222504	128.622253
6947292.525	347295.7243	85.1495094	50.8722496	136.021759
7596849.227	379770.594	78.5999944	50.8722496	129.472244
6945723.178	347218.0074	85.3497691	50.9722519	136.322021
7593908.239	379623.5393	78.5499952	50.9222488	129.472244
6933018.868	346583.395	85.5499539	51.0222511	136.572205
7594292.172	379642.7096	78.6500011	50.9722519	129.622253
6925559.483	346209.5903	85.7995456	51.0722504	136.871796
7592356.791	379545.9493	78.7499959	51.0222511	129.772247
6927608.425	346312.5132	85.8997572	51.1722488	137.072006
7589602.227	379408.2147	79.1000056	51.0722504	130.172256
6937341.436	346798.4533	86.0495419	51.2722511	137.321793
7583163.187	379086.2907	78.5500064	51.1222496	129.672256
6930405.815	346452.1534	86.4496766	51.3222504	137.771927
7582991.508	379077.6472	79.4500042	51.1722488	130.622253

6927866.07	346325.8258	86.6999592	51.4222488	138.122208
7575254.67	378690.8869	79.2000041	51.2222519	130.422256
6909616.274	345412.797	86.8496321	51.4722519	138.321884
7579786.344	378917.367	79.2999989	51.2722511	130.57225
6909474.856	345405.6353	86.9495696	51.5722504	138.52182
7575920.944	378724.1441	79.1000056	51.3222504	130.422256
6897740.118	344819.6659	87.1999132	51.6722488	138.872162
7584840.106	379169.9632	78.8499944	51.3722496	130.222244
6896710.006	344768.2861	87.3999101	51.7222519	139.122162
7572049.562	378530.5143	79.1500012	51.4222488	130.57225
6898511.188	344858.0438	87.5497896	51.8222504	139.37204
7577310.918	378793.5547	78.5499951	51.4722519	130.022247
6893231.15	344594.0971	87.5998002	51.9222488	139.522049
7570792.446	378467.6958	79.8500019	51.5222511	131.372253
6891561.387	344510.4817	87.9497451	51.9722519	139.921997
7574105.638	378633.3099	79.5500026	51.5722504	131.122253
6893832.183	344624.0724	87.9997556	52.0722504	140.072006
7574390.096	378647.4537	79.2499996	51.5722504	130.82225
6881119.781	343989.0735	88.0999832	52.1722488	140.272232
7567735.39	378314.7855	78.8499944	51.6222496	130.472244
6891096.655	344487.0248	88.3496631	52.2222519	140.571915
7567647.94	378310.3901	79.0999982	51.6722488	130.772247
6891421.245	344503.0296	88.2495426	52.3222504	140.571793
7561219.731	377989.0089	79.1500011	51.7222519	130.872253
6879835.453	343924.1065	88.4996684	52.3722496	140.871918
7552671.527	377561.6164	80.2499959	51.7722511	132.022247
6874756.942	343670.1704	88.6996541	52.4722519	141.171906
7560018.451	377927.9193	80.3999936	51.8222504	132.222244
6875889.94	343727.0796	88.8497466	52.5722504	141.421997
7558685.599	377862.2563	79.3999974	51.8722496	131.272247
6869791.177	343421.6912	88.7495304	52.6222496	141.37178
7561550.434	378005.4709	80.3000064	51.8722496	132.172256
6872638.74	343565.0494	89.0999531	52.7222519	141.822205
7555635.831	377709.7528	80.8499982	51.9222488	132.772247
6864356.644	343150.6947	89.0998189	52.7722511	141.87207
7536416.428	376748.9607	80.7999951	51.9722519	132.772247
6861141.255	342990.3689	89.2499584	52.8722496	142.122208
7549087.047	377382.3369	80.9499929	52.0222511	132.972244
6858309.998	342848.1203	89.8496472	52.9222488	142.771896
7554536.736	377654.7893	81.0500026	52.0722504	133.122253
6859091.553	342887.7226	89.6998709	53.0222511	142.722122
7538885.55	376872.298	80.0500064	52.1222496	132.172256
6845744.165	342219.8704	89.8996164	53.1222496	143.021866
7543152.647	377085.6481	81.2000042	52.1722488	133.372253
6855421.114	342703.7187	90.2496412	53.1722488	143.42189
7547652.837	377310.5983	80.2999951	52.2222519	132.522247
6841299.85	341998.4888	90.3999599	53.2722511	143.672211

7541109.976	376983.516	81.2499959	52.2722511	133.522247
6840299.216	341948.3741	90.4998776	53.3222504	143.822128
7544396.466	377147.7716	80.9999996	52.3222504	133.32225
6853712.103	342619.0151	90.4999462	53.4222488	143.922195
7537898.864	376822.9205	80.6499936	52.3222504	132.972244
6843258.192	342095.6504	90.8995891	53.4722519	144.371841
7535117.497	376683.889	81.0999944	52.3722496	133.472244
6841100.623	341988.213	90.9997556	53.5722504	144.572006
7536987.81	376777.3827	81.6500012	52.4222488	134.07225
6836212.488	341744.2619	91.0999794	53.6222496	144.722229
7539629.44	376909.4983	80.7999951	52.4722519	133.272247
6831424.763	341504.535	91.2997971	53.7222519	145.022049
7519168.383	375886.5115	81.0499989	52.5222511	133.57225
6833498.799	341608.5725	91.1999816	53.8222504	145.022232
7526204.021	376238.1931	80.6499936	52.5722504	133.222244
6839581.699	341912.6323	91.5999334	53.8722496	145.472183
7518133.434	375834.7316	81.3999974	52.6222496	134.022247
6834044.682	341635.2408	91.7496571	53.9722519	145.721909
7523243.343	376090.2071	81.4500042	52.6722488	134.122253
6819305	340898.1941	91.7995869	54.0222511	145.821838
7515600.426	375708.096	81.7999951	52.7222519	134.522247
6818891.771	340877.6698	92.0996284	54.1222496	146.221878
7511221.125	375489.1754	81.5499989	52.7722511	134.32225
6813232.199	340595.1721	92.3498002	54.1722488	146.522049
7515141.655	375685.2028	81.6999929	52.7722511	134.472244
6815383.144	340702.893	92.2999229	54.2722511	146.572174
7507905.828	375323.4152	81.8500056	52.8222504	134.672256
6821700.866	341018.2416	92.6996616	54.3222504	147.021912
7505356.605	375195.952	81.6499974	52.8722496	134.522247
6815460.608	340706.3776	92.5496902	54.4222488	146.971939
7505504.365	375203.3368	82.0999982	52.9222488	135.022247
6808410.442	340354.3738	92.6498791	54.4722519	147.122131
7506647.503	375260.4794	82.5999981	52.9722519	135.57225
6808557.564	340361.023	92.9495696	54.5722504	147.52182
7501014.665	374978.8765	81.4499929	53.0222511	134.472244
6808788.883	340373.085	92.8498462	54.6722488	147.522095
7499142.158	374885.2504	81.7999726	53.0722504	134.872223
6806121.156	340239.138	93.1495441	54.7222519	147.871796
7500213.331	374938.8144	82.5000034	53.1222496	135.622253
7652947.037	382573.0808	72.2000004	48.3722496	120.57225
7659233.616	382889.5113	71.1999783	49.2221107	120.422089
7650363.467	382443.8562	72.5499994	48.3722496	120.922249
7656724.651	382763.4576	71.6500435	49.2718315	120.921875
7648762.478	382363.7654	72.7500034	48.3722496	121.122253
7655388.636	382696.7389	71.7999683	49.2719307	121.071899
7646882.104	382269.669	73.1000024	48.3722496	121.472252
7652920.674	382574.2871	71.8002019	49.3220291	121.122231

7644038.47	382127.4389	73.3499982	48.4222488	121.772247
7650038.479	382429.0623	71.9997706	49.4220734	121.421844
7642390.442	382044.9594	73.6500011	48.4722519	122.122253
7648109.312	382332.817	72.2501105	49.4718285	121.721939
7639580.955	381904.4439	73.9500009	48.5222511	122.472252
7645969.202	382226.5553	72.3003918	49.5217972	121.822189
7637239.3	381787.3318	74.2999989	48.5222511	122.82225
7643599.831	382107.648	72.6499677	49.5720863	122.222054
7634782.154	381664.4483	74.5500026	48.5722504	123.122253
7640715.303	381962.958	72.9000092	49.6218948	122.521904
7631276.065	381489.1115	74.9500004	48.6222496	123.57225
7638653.672	381859.6621	72.999718	49.672081	122.671799
7629123.691	381381.4586	75.2500002	48.6722488	123.922249
7636754.453	381764.6166	73.1998822	49.6719208	122.871803
7626831.217	381266.7944	75.6500011	48.7222519	124.372253
7634750.908	381665.4457	72.8002779	49.7218781	122.522156
7624169.346	381133.6596	75.7499959	48.7722511	124.522247
7632033.978	381528.7185	73.0498698	49.7719612	122.821831
7620636.347	380956.9836	76.0500026	48.8222504	124.872253
7629653.361	381410.1626	73.250065	49.771946	123.022011
7618287.34	380839.5105	76.2999994	48.8722496	125.172249
7626626.181	381258.4037	73.3000294	49.8218346	123.121864
7614967.402	380673.496	76.4500042	48.9222488	125.372253
7624873.42	381171.1113	73.500004	49.82201	123.322014
7612588.062	380554.5207	76.5999981	48.9722519	125.57225
7623336.84	381094.576	73.6000554	49.8720436	123.472099
7610128.056	380431.511	76.8500019	49.0222511	125.872253
7621639.225	381009.5632	73.8000866	49.8719864	123.672073
7607148.493	380282.5196	77.1500016	49.0722504	126.222252
7619237.266	380889.3825	74.0002248	49.9218102	123.922035
7604835.652	380166.894	77.3500024	49.1222496	126.472252
7616352.335	380745.5365	74.1503795	49.9218025	124.072182
7602120.633	380031.1339	77.5000001	49.2222519	126.722252
7613769.506	380616.0494	74.2501681	49.9719009	124.222069
7598833.306	379866.7368	77.4999959	49.2722511	126.772247
7611882.569	380521.5156	74.3502271	50.0217819	124.372009
7597374.144	379793.7912	77.6999966	49.3222504	127.022247
7608814.485	380368.3883	74.6501311	50.0219879	124.672119
7594022.635	379626.2072	77.9500004	49.3722496	127.32225
7606086.288	380231.4931	74.7001955	50.0717545	124.77195
7590888.039	379469.4871	78.0499951	49.4722519	127.522247
7604881.583	380171.08	74.9000853	50.1217957	125.021881
7589590.418	379404.5805	77.6000019	49.5222511	127.122253
7602888.64	380071.7921	75.1001358	50.1218872	125.222023
7586198.297	379234.9785	78.5000034	49.6222496	128.122253
7599223.608	379887.7886	75.1998328	50.1719322	125.371765
7583667.983	379108.4407	78.7500072	49.6722488	128.422256

7597076.081	379781.3349	75.3001101	50.2219849	125.522095
7581409.122	378995.4982	78.7999989	49.7722511	128.57225
7594653.812	379660.1971	75.3501585	50.2719345	125.622093
7578991.464	378874.6048	79.0500026	49.8222504	128.872253
7592093.547	379531.9095	75.2999761	50.3220329	125.622009
7576037.766	378726.9253	78.5999982	49.9222488	128.522247
7589549.989	379404.3642	75.5500225	50.3218575	125.87188
7573584.235	378604.2539	79.4000011	49.9722519	129.372253
7585335.601	379194.4602	75.7503543	50.3718147	126.122169
7571684.005	378509.2439	78.9499966	50.0722504	129.022247
7582659.781	379059.812	75.8000026	50.4218674	126.22187
7569625.509	378406.3348	79.8000064	50.1222496	129.922256
7580221.343	378938.069	75.6999935	50.4719505	126.171944
7566609.735	378255.5639	79.8499981	50.2222519	130.07225
7577171.91	378785.8758	76.2000241	50.5220299	126.722054
7563958.729	378122.9761	80.0499989	50.2722511	130.32225
7575082.18	378681.5152	76.1001207	50.5719833	126.672104
7562279.609	378039.0329	80.2999989	50.2722511	130.57225
7572491.066	378552.2714	76.1504093	50.6218147	126.772224
7558537.118	377851.9353	80.4000012	50.4222488	130.82225
7570949.423	378475.2671	76.150429	50.671814	126.822243
7555692.042	377709.6346	79.7500072	50.4222488	130.172256
7568146.936	378334.9952	76.2004015	50.7217865	126.922188
7552187.956	377534.4667	79.7000004	50.6222496	130.32225
7565909.372	378222.8672	76.4001927	50.7719193	127.172112
7550579.021	377454.024	80.1000056	50.5722504	130.672256
7563573.995	378105.5008	76.5000002	50.8218918	127.321892
7547238.722	377287.0208	80.6500049	50.7722511	131.422256
7560592.678	377956.1334	76.5998231	50.8719559	127.471779
7546239.096	377237.0034	80.2499996	50.8222504	131.07225
7557722.045	377813.4145	76.7000508	50.9220352	127.622086
7543589.193	377104.5318	81.1499936	50.8222504	131.972244
7555754.866	377714.9474	76.7000501	50.9719849	127.672035
7540990.085	376974.5963	80.5499951	50.9722519	131.522247
7553162.89	377584.9358	76.9000741	51.0218239	127.921898
7537927.406	376821.4492	80.7499921	50.9722519	131.722244
7550917.508	377473.5986	76.8502542	51.1219978	127.972252
7535684.618	376709.3103	81.2000042	51.1722488	132.372253
7549051.974	377379.9158	76.9001543	51.1719437	128.072098
7532677.297	376558.9655	80.9000011	51.2222519	132.122253
7547109.406	377282.0885	77.0500302	51.2218208	128.271851
7530530.587	376451.6281	81.5499951	51.2222519	132.772247
7546000.929	377227.5537	77.0502774	51.2719116	128.322189
7527766.302	376313.4282	81.0500064	51.3722496	132.422256
7543518.672	377103.4187	77.4501721	51.3220139	128.772186
7526091.142	376229.6779	81.3000064	51.3722496	132.672256
7542086.898	377030.8666	77.4000584	51.3717766	128.771835

7524084.206	376129.3388	81.2499996	51.5722504	132.82225
7539688.061	376911.0325	77.5500792	51.4718018	129.021881
7521606.621	376005.4724	81.4999959	51.5222511	133.022247
7538511.334	376852.6704	77.6500775	51.5219955	129.172073
7519829.615	375916.616	81.6499974	51.6222496	133.272247
7536419.704	376747.4932	77.6998638	51.5719872	129.271851
7518073.775	375828.8076	81.8500019	51.7722511	133.622253
7534376.401	376645.7468	77.7501225	51.6219025	129.372025
7515814.415	375715.8298	81.9999959	51.7722511	133.772247
7533165.98	376585.6878	77.8001897	51.7219963	129.522186
7513079.892	375579.1162	82.2500072	51.9222488	134.172256
7531537.618	376503.5838	78.1501767	51.7717743	129.921951
7511375.902	375493.9499	82.1500012	51.9222488	134.07225
7529588.123	376406.8101	78.200432	51.821785	130.022217
7509275.729	375388.9548	82.2000004	52.1222496	134.32225
7527872.843	376320.8751	78.3502849	51.8718681	130.222153
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7526959.321	376274.71	78.3001941	51.9717789	130.271973
7505773.239	375213.8352	82.5000072	52.1722488	134.672256
7524964.825	376175.2457	78.3001745	52.0218925	130.322067
7503657.602	375108.0568	82.3500056	52.3222504	134.672256
7524235.91	376138.3624	78.2999423	52.0719757	130.371918
7501623.531	375006.3506	82.3000026	52.3222504	134.622253
7523006.058	376076.4289	78.2998274	52.1219406	130.421768
7499255.226	374887.9535	83.0499951	52.4722519	135.522247
7521400.491	375996.9762	78.8000637	52.1720123	130.972076
7497638.041	374807.091	83.0999981	52.4722519	135.57225
7519502.65	375902.1512	79.1503147	52.2717743	131.422089
7495461.733	374698.2999	82.3499944	52.6222496	134.972244
7518422.445	375847.8308	78.3000453	52.3219337	130.621979