ANHANG

Anhang 1:

Tabellarische Übersicht über die Produktlänge in Basenpaaren (Bp) der durch die spezifischen Primer gebildeten Genfragmente sowie die Sequenz der Primer.

Gen	Prod. (Bp)	Sequenz Primer 1 (5'-3')	Sequenz Primer 1 (5'-3')
AC3.7	899	ATGTCGAGATCCTAGACTAT	TCGAGGATCAGCAAGCAGAG
B0213.15	809	TGGATTCCCTCGTTTTTGTC	AGCAAGGCAGAAACTTCCAA
B0218.8	748	TCGAGCTCTAGATGTCTCAC	GATCAGCAACTAAAGAAGTC
B0238.13	839	TTTTGCCAAACACAATTGGA	CTCCCAACTACCGAATTGGA
C01F6.3	380	TCAAGCGGAACTGGATGAAG	GAGCCATGATGACCTTCTCT
C02E7.1	816	GATGCCGAGTGATTGGATTT	CTGCTTCTGGTCCCTCGTAG
C03G6.14	1164	AGCCAATGATTCTCCAATGC	GGGTGTTTTGGTAACGAACG
C03G6.15	1195	TTCAATTAGGTACGGTAATA	ACCGAAGATCAAATACAATTCTG
C06B3.3	1203	TCAGAAAGGAATATGGAGAC	CAAAAAAAGTTTTTACTAAATA
C08F11.8	730	TTCGAAGCCATTAAAATCCG	TGATCAGCGAATAGGGGAAC
C09H5.2	842	AACAGCGCAAGACCAGAGAA	TGATCCAAGTTGGTAACTTC
C10H11.3	823	TAATGTGACATTTGTTGTTC	CAGTCCATTTCTCCATTTCA
C12C8.1	1014	TTTGTCCTTTGCTTCAATTTCAT	CTGAAGCAACTGTAGAGGTCGAT
C17H12.4	820	TTTCGTAGACTTTTCCCAATTCA	AAGATCAAAGTATTGCTCCCACA
C23G10.6	1058	ACACCACAGCAGCATGGATA	GCTTCCCAAAGTTTGCATGT
C29F7.2	891	TGGGAGTGGAATTTTGGACAAC	TCAGTTTGAAGAACTGGAGAAT
C42D8.2	798	TACTCTCTTATCGCCAAGGA	GACTGGGTAGTCGTCAAGTT
C44B7.9	1158	CTCCTCCTGACAGTACATCCATC	TCTTGGAACATCACTTGGATTCT
C44H4.3	1148	ACCCAGTGGTTTGCGTTAAG	TACGATTCAGCTGCGATGAG
C47E12.4	1170	CTTCTGTTTATCGAGTTCGTGCT	GCCAACAAGGACAAGAGAGTTTA
C49C8.4	869	GGTGATAGATGGATTCAGCAAAG	GAATATCTCTGGATCATACA
C49G7.8	1194	TAGAAAGAGATATGGCAACATT	CCGAAGATTAAATATAATTCTG
F01D4.2	825	GATATAATGTGACCCTTCTG	GTGATTCTTTCATGTCATCT
F08F3.7	1159	TCTGCAGTTCCCAGCCGATA	TACAGTCTTGTTCAACGTTTTT
F13H6.3	1375	TATAAACATGATGATGTGAT	TTCCATATTTGGCAAAATTTGA
F26D10.3	694	AGAGCCAAGTTCATGACATC	TTGAGCTTCTCGTCCTCAAT
F26H9.6	378	AACTGTGTGCCTTGACGATG	GCTGGTCCGATTGGCAACTT
F28G4.1	810	TTGACGTCGACAGGTTCAAA	GTCACCGTTAATAACCACAT
F36A4.7	993	GGACGACGTGTTCCTACGAT	GTTGGCGAATAACTGGGAGA
F37B1.1	932	TGCCTACTGTCAAAACCATCTTT	AACAATGCCACAATACAAGCTCT
F41E6.6	961	CACTCAAGAAGTGTCAAGTT	GCGTTGAGACCGATAGAAAT
F44E5.4	928	CCGTTGTTCACCATCTTCCT	TGATACCCATCTCGGAGGAG
F44E5.5	928	TGATACCCATCTCGGAGGAG	CCGTTGTTCACCATCTTCCT
F45D3.3	602	CTACAGATGACTTCGATCTT	GTCGACATTGGCCTTGTAGC
F53C11.3	749	GGCAGCTTGAATGGAAAAGT	CCGTCGAAATCGATAATCGC
F54C9.4	700	TGACATGAAGGTGATGTCTG	GTTAGCATCTGGTCCAATAG
F58H1.2	398	GCAGTTTCAGCCGACCCATTTA	CCAGAAGTTTTTGGGTACATTG
F59D8.1	531	GGAAAACGAGAAGCTTATTG	GGAAGGTCTTGGGTCTTTGA
H02I12.8	380	TCAAGCGGAACTGGATGAAG	GAGCCATGATGACCTTCTCT
K01D12.11	599	CAAAGCCGGCGATTCACAAA	TGCATCCGCCGGTGTGATCT
K07C6.3	1212	ATCTATTCAGACAGATTTAT	TTCCAGTCAGTAAATACAAT
K07C6.4	1352	TAGAAAAAAATATGGAGACGTT	TTCCAATCATCAAGTATAGC
K07C6.5	1198	TTCAGAAAAAGATATGGAAAC	TTCCAAGTATCAAATATAGCTC
K07E3.8	393	TCATTTTTCACAATGGATCTTAG	GGTTTCCTGCTCGTCAGCAGAGA
K07H8.6	790	GCCCATCACGCTTCCAAGCA	GGCAGTAGACGGAGGTCTTT
K08B12.1	448	GCCCAACACCATACAAACCA	TGCCCAGTCAACCAAACTCT
K09D9.2	1193	AGAAAGAAATACGGCAACAT	CCAAAGATTAAATACAATTC
K09F5.2	702	TCAAGCACCTACTTAATGAG	CGACAAGATCGGATTTCTTC
K10C2.1	1094	CGAAGAAATCTTCCAAAGCG	ACTTTGTTTGTGGACCAGGC
K11G9.6	227	TGGCTTGCAAGTGTGACTGC	TTAATGAGCCGCAGCAGTTC
R03D7.6	454	TGAAAGAAACCTGCGCTGCT	GGAATCGCCTGGATCTTCTC
T04C12.4	800	ATCCAAGAGAGGTATCCTTA	TCATGGTTGATGGGGCAAGA
T10B10.2	929	CAATTGCACATTTGGTTCTT	CTTGACGGCTTCAATATCAG
T16G1.6	962	TGGAGACGGAAATGGATTCA	CAAGAGTGTACGGAATCTCA
T18H9.2	1125	AAACCGATTGATCCGTGAAG	CTCCAACAGCGTCAGCAATA
T19B10.1	1090	AATATGGAAGTAAACTACCT	ATGTATCCATCAATTTCTAA
T20B3.1	701	GTTGGTTTGTCTGGCAGGAT	TGTCATCTCGCAAAAATTCG
T21C12.2	644	CGCTTAGAACGTATGGAGAA	GAATAGTGTCGGACGGTCCT
T21H3.1	501	GTCTTCGAGTATCACACTCC	GTGAAGATGATCCTTGATAG
T27E4.2	301	TGAATCTTCTGAGATTGTTA	GGGCGCTTGCTGAATTGGAA
T27E4.3	301	AATATTGGAGAGATTGTAAATG	GTTTTGCAACAAAATTAATG
VC5	956	GATTTGGAGGTTCTAGTCAT	GTAATGGTCTGAAACATGAA
Y38A10A.5	644	ATACGTTAAGGTCATGAGAG	CTGACTTGACCTGCCACAAA
Y48E1B.10	565	TAGACAGCTCTTCGCCCTAT	TCCCTTATCCGGGCTCGATT

Anhang 2:

Tabellarische Aufstellung von Genen unbekannter Funktion, die in den Hybridisierungsexperimenten mit dem gesamtgenomischen DNA-Microarray von *C. elegans* induziert wurden.

Gen	Atrazin	Clofibrat	DES	Fluoranthen	ß-NF
F16G10.1	-	-	2.2 ± 0.1	-	-
F33C8.2	-	-	-	2.6 ± 0.5	-
AC8.3	-	-	-	2.2 ± 0.1	-
C17H11.6	-	-	-	3.1 ± 0.5	-
F33A8.3	-	-	-	2.3 ± 0.2	-
F59F5.7	-	-	-	2.6 ± 0.4	-
M03A8.2	-	-	-	2.5 ± 0.2	-
W09B7.A	2.3 ± 0.2	-	-	-	-
Y37A1B.14	2.9 ± 0.5	-	-	-	-
Y41D4B_7946.D	-	-	-	2.0 ± 0.2	-
ZC84.3	-	-	-	2.7 ± 0.3	-
ZK1067.6	3.6 ± 0.8	-	-	-	-
C29F9.4	3.0 ± 0.7	-	-	-	-
F20G4.2	-	-	-	3.6 ± 1.3	-
F48E8.4	-	-	-	2.9 ± 0.4	-
K09E4.2	-	-	-	3.5 ± 0.4	-
ZK1055.6	2.3 ± 0.1	-	-	-	-
C16C4.11	-	-	-	3.4 ± 0.7	-
F28G4.3	-	-	-	2.8 ± 0.4	-
H20E11.2	4.3 ± 0.4	-	-	-	-
Y26D4A.1	2.4 ± 0.2	-	-	-	-
T14G10.8	-	3.8 ± 0.9	-	-	-
C27H6.2	-	-	-	2.4 ± 0.2	-
VC5.3	-	9.7 ± 3.8	-	-	-
Y32H12A.A	-	-	-	3.3 ± 0.2	-
ZK1058.4	-	-	-	-	2.4 ± 0.3
C04E12.5	3.0 ± 0.2	-	-	-	-
C29F7.2	-	4.5 ± 0.5	-	6.9 ± 4.1	5.1 ± 1.0
F41D9.1	-	-	-	2.8 ± 0.5	-
T12A7.5	-	-	-	4.6 ± 1.4	-
F58G1.1	-	-	-	5.5 ± 1.7	-
F45D11.R	-	-	-	3.3 ± 0.5	-
F45D3.3	-	2.9 ± 0.5	-	-	2.8 ± 0.4
F45D3.4	-	3.3 ± 0.9	-	-	-
F55G1.15	2.4 ± 0.2	-	-	-	-
H02F09.3	5.5 ± 1.4	-	-	-	-
Y38E10A.G	3.6 ± 0.9	-	-	-	-
Y43D4A.A	3.0 ± 0.1	-	-	-	-
B0024.4	5.8 ± 1.7	-	-	-	-
C04E6.4	-	-	-	2.1 ± 0.0	-
C17C3.14	-	-	-	3.0 ± 0.6	-
F01G12.1	-	-	-	3.1 ± 0.6	-
ZK1098.3	-	-	-	2.8 ± 0.0	-
F19H6.3	-	-	-	2.2 ± 0.1	-
F20C5.5	-	-	-	3.0 ± 0.3	-
F48G7.13	2.7 ± 0.1	-	-	-	-
C06G1.2	-	2.9 ± 0.3	-	-	-
C24G6.7	-	-	-	2.9 ± 0.3	-
F09F9.2	-	-	-	-	2.9 ± 0.3
F52B11.3	-	4.3 ± 0.6	-	-	-
F52E4.6	-	-	-	-	2.9 ± 0.5
F58H1.2	-	4.3 ± 1.1	-	-	3.5 ± 0.5
K08E7.5	-	2.7 ± 0.2	-	-	-
R09B5.8	-	2.8 ± 0.3	-	-	-
T05C12.10	-	3.4 ± 0.5	-	-	-
T19B10.2	-	3.9 ± 0.7	-	-	-
W04G3.1	-	3.5 ± 0.3	-	-	-
W04G3.3	-	5.7 ± 0.6	-	-	-
Y37A1B.7	-	-	-	-	3.4 ± 0.6
ZC434.3	-	3.0 ± 0.3	-	-	3.2 ± 0.6
ZK1025.4	2.3 ± 0.1	-	-	-	-
ZK1290.8	-	-	-	-	4.9 ± 1.4
ZK682.5	-	-	-	2.3 ± 0.2	-
F47H4.10	-	-	-	-	4.4 ± 1.5
W09G12.7	-	3.3 ± 0.7	-	-	-
Y105C5A.K	-	-	-	-	2.3 ± 0.2
C02E7.7	-	-	-	4.7 ± 2.0	-
C32H11.6	-	-	-	-	2.8 ± 0.5
F57H12.6	-	5.9 ± 1.5	-	-	-
F44G3.10	4.0 ± 0.4	-	-	-	-
F45D11.O	-	-	2.6 ± 1.0	-	-
F45D11.P	-	-	2.5 ± 1.0	-	-
F45D11.S	-	-	2.7 ± 1.1	-	-
C17H12.6	4.4 ± 1.5	-	-	-	-
C32H11.10	11.9 ± 6.4	-	-	-	-
C32H11.4	-	-	2.0 ± 0.1	-	-
C32H11.9	11.2 ± 5.1	-	-	-	-
D1086.3	-	3.6 ± 0.6	-	-	-
F54E2.1	2.6 ± 0.2	-	-	-	-
T16G1.6	3.0 ± 0.3	-	-	4.7 ± 1.7	3.7 ± 0.8
Y41D4B_7946.C	2.2 ± 0.1	-	-	-	-
F31D5.5	2.4 ± 0.1	-	-	-	-
F23B2.1	-	-	-	-	2.4 ± 0.2

H03A11.2	2.3 ± 0.2	-	-	-	-
VC5.1	-	4.7 ± 1.8	-	-	3.4 ± 0.7
B0454.8	-	-	-	4.4 ± 1.3	-
C29F3.7	2.9 ± 0.6	-	-	-	-
F08G5.6	6.2 ± 3.1	-	-	35.8 ± 18.6	-
M04D5.2	-	-	-	2.6 ± 0.3	-
R03G8.3	3.1 ± 0.4	-	-	-	-
T06D8.1	3.6 ± 0.7	-	-	5.7 ± 0.6	-
ZC247.1	-	-	-	4.3 ± 0.8	-

Anhang 3:

Tabellarische Aufstellung von Genen unbekannter Funktion, die in den Hybridisierungsexperimenten mit dem gesamtgenomischen DNA-Microarray von *C. elegans* induziert wurden.

Gen	Atrazin	Clofibrat	DES	Fluoranthen	ß-NF
C09G5.8	-	2.6 ± 0.2		-	-
C10C5.4	2.3 ± 0.2	-	-	-	-
C24B9.9	4.6 ± 0.6	-	-	-	-
C34D4.15	3.5 ± 1.0	-	-	-	-
C35B8.1	2.1 ± 0.1	-	-	-	-
C45B2.1	2.8 ± 0.1	-	-	-	-
C45G7.3	4.9 ± 1.4	-	-	-	-
C53B7.2	2.5 ± 0.2	-	-	-	-
C54D2.1	2.7 ± 0.3	-	-	-	-
F07C4.6	4.2 ± 1.2	-	-	-	-
F07H5.8	2.5 ± 0.2	-	-	-	-
F13H10.3	-	-	-	2.6 ± 0.4	-
F15B9.8	2.5 ± 0.2	-	-	-	-
F15E6.3	3.4 ± 0.4	-	-	-	-
F22D6.10	5.2 ± 1.5	-	-	-	-
F22F1.1	2.8 ± 0.4	-	-	-	-
F32G8.5	4.4 ± 0.8	-	-	-	-
F36F12.1	5.0 ± 1.9	-	-	-	-
F36G9.12	2.2 ± 0.1	-	-	-	-
F41E6.11	4.6 ± 1.5	-	-	-	-
F49F1.5	6.2 ± 2.9	-	-	-	-
F56D1.6	2.1 ± 0.0	-	-	-	-
F57H12.3	3.0 ± 0.5	-	-	-	-
H17B01.2	4.3 ± 1.5	-	-	-	-
K08D10.8	2.2 ± 0.1	-	-	-	-
K09B3.2	2.4 ± 0.2	-	-	-	-
K09H9.3	2.8 ± 0.6	-	-	-	-
K12H6.9	3.6 ± 1.2	-	-	-	-
M02D8.4	2.8 ± 0.2	-	-	-	-
M02G9.2	3.7 ± 0.5	-	-	-	-
M195.2	3.4 ± 0.7	-	-	-	-
R07E5.4	2.4 ± 0.2	-	-	-	-
R08C7.5	2.2 ± 0.1	-	-	-	-
R11G11.14	3.2 ± 0.4	-	-	-	-
T03D3.1	2.9 ± 0.5	-	-	-	-
T04H1.6	2.4 ± 0.1	-	-	-	-
T13F2.9	2.5 ± 0.3	-	-	-	-
T27A10.4	-	-	4.8 ± 0.9	-	-
T27E4.2	-	-	-	2.8 ± 0.4	-
W03G11.2	2.2 ± 0.1	-	-	-	-
Y105C5A.B	8.1 ± 2.3	-	-	-	-
Y105C5A.D	7.1 ± 2.2	-	-	-	-
Y106G6E.2	2.2 ± 0.0	-	-	-	-
Y110A2A_54.C	2.6 ± 0.6	-	-	-	-
Y11D7A.11	5.6 ± 2.1	-	-	-	-
Y17G7B.1	-	-	2.1 ± 0.1	-	-
Y38C1BA.G	4.7 ± 1.2	-	-	-	-
Y38F1A.1	2.2 ± 0.1	-	-	-	-
Y38F1A.7	2.7 ± 0.3	-	-	-	-
Y40H7A.10	2.6 ± 0.0	-	-	-	-
Y45F10A.2	2.7 ± 0.3	-	-	-	-
Y62H9A.6	2.8 ± 0.1	-	-	-	-
Y73F8A.G	5.5 ± 1.5	-	-	-	-
Y73F8A.H	7.2 ± 2.0	-	-	-	-
ZK218.5	5.4 ± 2.0	-	-	-	-
ZK265.2	4.1 ± 1.5	-	-	-	-
B0379.7	2.3 ± 0.0	-	-	-	-
C04G2.8	2.5 ± 0.2	-	-	-	-
C06G1.2	5.0 ± 2.1	-	-	-	-
C08F11.10	2.5 ± 0.3	-	-	-	-
C09F9.1	2.4 ± 0.1	-	-	-	-
C13D9.1	2.9 ± 0.7	-	-	-	-
C14F11.4	5.5 ± 1.2	-	-	-	-
C15C6.2	3.8 ± 1.1	-	-	-	-
C35B1.4	2.9 ± 0.3	-	-	-	-
C35C5.8	2.1 ± 0.1	-	-	-	-
C44B12.1	2.9 ± 0.7	-	-	-	-
C44B12.5	2.9 ± 0.6	-	-	-	-
C45G9.4	2.7 ± 0.4	-	-	-	-
C48B4.12A	4.0 ± 1.5	-	-	-	-
D1054.10	2.3 ± 0.1	-	-	-	-
D1054.11	3.4 ± 0.6	-	-	-	-
D1086.6	2.6 ± 0.4	-	-	-	-
D2092.8	3.3 ± 0.4	-	-	-	-
D2096.6	4.0 ± 1.4	-	-	-	-
F01D5.7	2.9 ± 0.3	-	-	-	-
F02C9.1	2.4 ± 0.2	-	-	-	-
F08H9.2	2.4 ± 0.1	-	-	-	-
F15G9.1	3.2 ± 0.5	-	-	-	-
F18G5.2	4.1 ± 1.1	-	-	-	-
F19G12.7	5.4 ± 1.0	-	-	-	-
F25E2.4	2.4 ± 0.2	-	-	-	-
F32B4.2	2.9 ± 0.7	-	-	-	-
F32B6.5	3.0 ± 0.7	-	-	-	-
F46A9.1	2.3 ± 0.2	-	-	-	-

F48E3.4	2.6 ± 0.3	-	-	-	-
F53F1.6	2.9 ± 0.6	-	-	-	-
F53H4.2	2.3 ± 0.2	-	-	-	-
F55B11.2	2.5 ± 0.2	-	-	-	-
R07B1.7	-	-	-	-	2.3 ± 0.3
R09E10.6	2.2 ± 0.1	-	-	-	-
R13A1.5	2.3 ± 0.1	-	-	-	-
R74.2	3.1 ± 0.5	-	-	-	-
T06E4.7	6.0 ± 2.9	-	-	-	-
T06E4.8	4.6 ± 1.8	-	-	-	-
T06E4.9	6.2 ± 2.8	-	-	-	-
T10E9.3	3.6 ± 0.7	-	-	-	-
T17H7.7	2.8 ± 0.4	-	-	-	-
T24C12.4	2.3 ± 0.2	-	-	-	-
T24C2.2	-	-	2.6 ± 0.3	-	-
Y17D7B.4	3.0 ± 0.7	-	-	-	-
Y45F10C.4	3.4 ± 0.3	-	-	-	-
Y62H9A.5	2.3 ± 0.1	-	-	-	-
Y65B4B_15.A	2.6 ± 0.4	-	-	-	-
Y67A6A.1	2.3 ± 0.1	-	-	-	-
Y67D8A_381.A	-	-	3.4 ± 1.1	-	-
ZK662.2	5.2 ± 1.6	-	-	-	-
ZK813.1	3.3 ± 0.7	-	-	-	-
ZK813.3	2.9 ± 0.3	-	-	-	-
ZK930.2	2.3 ± 0.1	-	-	-	-

Anhang 4:

Rohdaten der Celegans Toxchip Experimente mit β-Naphthoflavon

Konz.	5 mg/l				1 mg/l				0.2 mg/l		
GenID	1	2	3	9	4	5	6	9	7	8	9
1	6.6808	0.862	19.5097	0.0699	0.534	0.8875	0.1091	0.0407		0.3223	0.0344
1	4.846	0.873	18.9165	0.0721	0.7545	0.894	0.11	0.0454		0.3	0.0347
1	4.4206	0.8898	19.0793	0.0745	0.6559	0.9506	0.1514	0.0436		0.3225	0.0402
1	2.8459	1.3487	17.498	0.0762	0.4526	0.9514	0.1691	0.0377		0.3305	0.0381
2		1.385		0.8252	0.7656	1.1808	0.0863	0.2158	0.4883	0.6565	0.0822
2		1.3301		0.9625	0.868	1.2031	0.0919	0.1763	0.1259	0.7011	0.0668
2	118.1572	1.3444	11.9462	1.1613	0.8778	1.06	0.0926	0.1519	0.1128	0.8049	0.075
2	31.9152	1.4878	8.4163	1.3273	0.7605	1.1729	0.1205	0.1586	0.1835	1.1665	0.0843
4	39.7137	9.1549		0.4418	0.4852	1.1593	0.2116	0.1101	0.5876	0.2346	0.0301
4	28.7028	9.4604		0.4674	0.3236	1.2819	0.2066	0.0993	0.4742	0.2906	0.0285
4	26.4964	19.9588	15.8042	0.5543	0.6477	1.0821	0.2861	0.0944	0.4708	0.3223	0.0304
4	25.7963	9.2323	13.3386	0.8001	0.6691	1.1096	0.3186	0.0998	0.5274	0.4067	0.0364
5	0.9963	0.8457	4.3193	0.2044	0.6984	0.8917	0.3817	0.0277	0.3379	0.7203	0.0258
5	0.9149	0.8159	4.3064	0.2054	0.5941	1.9164	0.2541	0.0237	0.2965	0.6708	0.0218
5	0.9783	0.8111	4.0402	0.2157	0.9442	0.9033	0.1932	0.0323	0.2588	0.6384	0.0207
5	1.1638	0.9046	3.4999	0.2199	0.6944	0.8142	0.2297	0.0473	0.2685	0.619	0.023
7	97.371	8.935	42.7451	1.207	1.644	0.9581	0.1718	0.0272	4.3542	0.5676	0.0158
7	99.9472	6.4489	39.1756	1.2607	1.9669	0.9232	0.2429	0.0245	7.5036	0.4279	0.0173
7	63.864	8.0227	40.9016	1.1341	1.6362	0.8793	0.2568	0.0299	4.0145	0.5062	0.0209
7	59.8472	7.071	39.4074	1.1562	1.8543	0.9694	0.2714		6.7088	0.5395	0.0202
8	265.0673	28.1938	115.6203	11.655	5.9681	0.935	0.1819	0.3058	7.62	0.6031	0.0616
8	362.8882	29.1864	110.4972	7.2015	5.0917	1.085	0.2125	0.3059	6.6995	0.6265	0.0481
8	191.2575	27.1931	121.9758	9.0888	3.9431	0.8461	0.3475	0.2897	5.4997	0.729	0.0744
8	199.733	34.114	126.8325	14.1657	7.4506	0.9091	0.2814	0.2621	6.0652	0.9382	0.05
9	388.428	47.0636	78.1311	9.8878	2.8266	0.9905	0.5556	0.3055	16.7134	0.5352	0.03
9	357.0864	47.037	101.7648	2.0741	2.4515	0.9783	0.4212	0.3366	13.5363	0.522	0.0306
9	239.4967	43.1353	98.2423	2.3257	2.5104	1.0126	0.4229	0.4157	12.9935	0.5235	0.0275
9	469.3762	46.2952	121.9046	15.82	3.6194	1.0345	0.5208	0.3703	14.4618	0.675	0.0307
10	6.5561	26.46	40.546	1.4649	0.7315	1.0703	0.3368	0.0368	7.6339	0.3556	0.0228
10	7.7974		42.2207	1.5283	0.642	1.0993	0.2846	0.0437	7.3672	0.3499	0.0191
10	6.3912	25.3974	39.4013	1.547	0.5577	0.9708	0.2616	0.0351	4.7907	0.3101	0.0188
10	7.4298	22.6127	36.4762	1.8005	0.6875	1.0184	0.2272	0.026	5.7957	0.2967	0.0201
11	5.5279	5.9291		0.6737		0.7333				0.3714	
11	5.0179	6.3849		0.3156		0.8304				0.3473	
11	5.213	4.6901		0.2797		0.7573				0.3599	
11	2.5386	3.6084		0.2685		0.8605	0.3192			0.3484	0.1175
12	0.9259	1.9042	10.0085	0.0702		0.5732	0.1394	0.0217	0.0706	0.2401	0.0188
12	0.8361	1.7718	11.0853	0.1014		0.5797	0.1313	0.0572		0.2238	0.0188
12	0.9826	1.8164	9.1319	0.1004		0.6243	0.4252	0.0487		0.2164	0.0174
12	0.9612	1.893	7.4547	0.1861		0.7138	0.4289	0.0498		0.2586	0.0201
13	16.4391	6.6943	8.1261	0.4332	1.7007	1.0715	0.6138	0.1051	0.7496	1.3119	0.2552
13	17.3356	8.6429	7.3183	2.4153	1.9591	1.0429	0.5894	0.1354	0.7423	1.447	0.4497
13	17.1464	6.5683	6.7331	2.3698	1.6243	1.029	0.6375	0.1916	0.7784	1.5691	0.2065
13	16.5957	6.2458	6.1554	3.0331	1.5333	1.0174	0.6808	0.1067	0.7836	1.2962	0.2721
14	0.1453	1.7123	4.6871	0.224	1.1512	0.8905	0.9526	0.0759	3.9274	0.4837	0.0252
14	0.0942	1.6856	5.0382	0.2292	0.8814	0.7115	0.9497	0.0724	4.4965	0.4618	0.0283
14	0.1015	1.6957	4.7724	0.2473	0.7023	0.6802	0.3745	0.0603	3.9876	0.4806	0.0286
14	0.0979	1.6321	4.4034	0.2735	0.7905	0.6794	0.2883	0.064	4.9321	0.4972	0.0279
15	3.0549	4.3895			0.661	1.266	3.0137		0.0972		
15	3.9673				0.813	2.1212	0.921	0.3012	0.2865		0.416
15	2.7805			0.1093	0.4375	1.6064	1.8823		0.3252		
15	3.0195			0.1715	0.5193	1.6344	1.1211		0.3396		
16		48.0575	241.2844	2.1005	12.0717	0.533	0.3076	0.0439		0.7329	0.0125
16		61.154	229.2914	2.4697	10.7471	0.5288	0.1967	0.0467		0.6253	0.0118
16		53.2887	238.6746	2.4986	9.1452	0.6122	0.1925	0.0425		0.4843	0.0083
16	1972.2812	51.2304		3.4248	3.9599	0.3791	0.2446	0.0374		0.4565	0.011
17	1.4065	0.6406	1.3196		1.2812	0.9841	1.3076	0.0785	0.1989	1.0139	0.7285
17	1.4357	0.6161	1.4322		1.3205	1.0231	0.9985	0.0854	0.1998	1.0228	0.7394
17	1.4234	0.6402	1.4096		1.3291	0.9736	0.9752	0.1231	0.2055	1.0017	2.2544
17	1.3692	0.6177	1.536	6.0252	1.1394	1.0163	1.044	0.1066	0.2013	1.0132	0.6375
18	2.9143	0.1765		0.6749	0.7462	0.6177	0.3144		0.3421	0.6179	0.0803
18	3.212	1.5099		0.5302	0.8663	0.8083	0.5525		0.2304	0.6591	0.0862
18	2.8687	1.358		0.7776	0.8127	0.5899	0.4998		0.2675	0.7084	0.0587
18	2.7678	0.7167	3.9921	0.7295	0.8436	0.8832	0.4931			0.6206	0.065
19	9.6147	6.8802	12.559	1.7527	0.5315	0.8402	0.5462	0.236	2.2933	0.6269	0.0664
19	10.6811	4.9996	14.2678	1.8763	0.4565	0.8433	0.4163	0.1713	3.1143	0.5914	0.0628
19	10.0299	4.5021	17.7295	1.7526	0.6075	0.7958	0.423	0.1556	4.0533	0.6421	0.059
19	9.7691	4.4488	19.0856	1.6624	0.7631	0.8474	0.6523	0.181	2.942	0.6361	0.0633
20	2.0391	1.6988		0.4437	0.9366	0.7757	1.0345	0.896	0.2379	2.7218	
20	1.9839	1.7304		0.4871	0.9794	0.8447	1.0921	0.9756	0.2563	3.495	
20	1.9376	1.9105		0.5241	0.938	0.8498	0.9722	0.9976	0.2136	2.785	1.0944
20	1.8703	2.1536	0.34	0.4546	1.0195	0.738	0.996	0.9659	0.2449	2.5396	1.618
21	4.0518	0.6378	9.3877	0.1038	0.4405	0.6938	0.3239	0.0391	0.2715	0.317	0.0335
21	3.8591	0.64	8.804	0.0954	0.4161	0.6735	0.2871	0.0355	0.1758	0.2973	0.0288
21	4.0034	0.5838	9.5152	0.0953	0.4952	0.8273	0.31	0.0348		0.3368	0.0297
21	4.0753	0.5945	9.1402	0.1155	0.6401	0.7367	0.3148	0.0295		0.3209	0.0296
22	2.0554	0.907	1.7227	0.1495	0.9332	0.8829	1.2752	2.5736	0.1454	1.1986	1.0259
22	2.0559	0.8923	1.6636	0.3829	0.8812	0.8403	1.241	2.5778	0.3402	1.8891	1.2304
22	2.055	0.9417	1.8454	0.2993	1.0175	0.8854	1.3052	2.1931	0.3503	1.8688	1.3808
22	2.0398	0.9099	1.669	0.3637	0.9927	0.803	1.1707	1.8426	0.3454	2.0238	1.7242
23	0.1335	0.6354	4.122	0.0806	0.9037	0.5722	0.6396	0.0142	1.397	0.3415	0.0183
23	0.1241	0.723	4.27	0.0771	0.5388	0.5888	1.6436	0.0139	1.3024	0.2239	0.0222
23	0.1418	0.6557	4.4595	0.0732	0.4319	0.5601	5.1686	0.0133	0.8871	0.3227	0.0198
23	0.1751	0.6457	4.8559	0.0706	0.5256	0.5353	1.482	0.0125	1.5117	0.2675	0.0219
24	2.0946	1.0458	1.6778	0.693	0.723	1.0055	1.5116	0.0639	0.56	1.2058	0.1378
24	2.0867	1.0579	1.6897	0.7302	1.1944	0.7411	1.4661	0.0637	0.5615	1.175	0.1137
24	2.0718	1.0444	1.8266	0.7567	0.9626	0.835	1.3468	0.0794	0.5477	1.2016	0.2209

24	1.9754	1.0643	1.7404	0.7943	0.7911	0.8485	1.4354	0.0764	0.5701	1.2307	0.1827
25	1.3047	1.4855	2.2027	0.3386	0.9674	0.8521	0.5342	0.0246	1.0098	0.6425	0.0435
25	1.4527	1.45	2.2729	0.3691	0.9735	0.8671	0.4971	0.0251	0.9597	0.6312	0.0525
25	1.3255	1.4436	2.3371	0.3677	1.0687	0.885	0.4898	0.0215	0.916	0.6454	0.0424
25	1.409	1.5437	2.4231	0.3978	0.9757	0.8823	0.608	0.021	0.9189	0.6781	0.0347
26	4.2248	4.0066		0.0881	0.5337	0.9965	0.8094		0.4196	2.6293	
26	18.7751	6.8231		0.1065	0.5108	1.039	0.6777	0.0138	0.4469		
26	16.2321	10.6272	9.2451	0.1018	0.5074	1.0225	0.7415		0.4356		
26	32.7346	12.5559	7.7993	0.0958	0.4796	0.9616	0.6429		0.3957		0.0636
27	4.9908	1.1012	9.0919	0.6479	0.9295	0.922	0.6233	0.1331	0.1904	0.6261	0.0873
27	4.9966	0.8731	8.8251	0.6202	1.2776	0.91	0.721	0.1324	0.1406	0.6693	0.0903
27	4.6203	1.0033	7.7696	0.6232	1.1686	0.9556	1.0262	0.1301	0.1649	0.6494	0.1008
27	5.2574	0.9013	7.8763	0.6544	1.0528	0.9432	0.7908	0.1374	0.1907	0.7168	0.1017
28		43.846		1.2456	0.6144	0.7312	0.0649	0.1223	2.1109	0.1949	0.0133
28		49.0758		1.4956	0.5291	0.7915	0.0681	0.1192	2.3855	0.1713	0.0134
28		37.0212		1.7084	0.659	0.9778	0.0665	0.0938	2.1283	0.2189	0.0124
28		43.8338		1.9312	0.4985	0.9072	0.0881	0.083	2.8175	0.2395	0.0126
29	6.8981	2.6203	9.1848	0.5955	0.7635	0.981	0.4249	0.0467	0.5794	0.36	0.0695
29	9.6112	2.6339	8.6166	0.6276	0.6215	0.9133	0.342	0.0472	0.5206	0.3616	0.0794
29	10.5281	0.7592	8.0404	0.7319	0.6829	0.8797	0.2561	0.0485	0.4634	0.4428	0.0671
29	10.7372	2.2388	7.3431	0.8317	0.6429	1.0285	0.3891	0.055	0.5265	0.5767	0.0617
30	286.7115	41.1024		5.3958	0.493	0.4616		0.0611	7.7795	0.2471	0.0172
30	244.6555	39.9201		5.2262	0.455	0.6851		0.0647	6.9933	0.2104	0.0145
30	270.0386	40.8983		5.4929	0.4819	0.4051		0.067	7.0416	0.2212	0.0153
30	341.3129	45.51		6.6741	0.6327	0.4386	0.0357	0.0786	7.0815	0.1716	0.016
31	8.4892	0.2189	2.0109	2.0178	1.0283	0.8264	0.621	0.3141	0.1344	1.0747	0.2454
31	8.5361	0.2188	2.1006	1.9174	0.8121	0.836	0.5979	0.2422	0.1419	1.0933	0.2511
31	8.6011	0.2136	2.091	1.7333	0.7914	0.8579	0.6156	0.2466	0.1339	1.1021	0.2789
31	9.1228	0.2132	2.0957	1.6356	0.8421	0.8508	0.5889	0.2434	0.1348	1.1197	0.2329
32	5.2794	1.9821	6.9591	0.6331	0.6604	0.8492	0.5718	0.0477	0.6238	0.3854	0.0425
32	5.1933	1.9924	6.9246	0.7048	0.6465	0.8523	0.5549	0.0403	0.5149	0.3796	0.0384
32	4.9051	1.9931	6.8525	0.7445	1.0157	0.8133	0.5664	0.0447	0.5222	0.368	0.0393
32	4.7833	2.0026	6.6406	0.9119	0.7089	0.7849	0.6629	0.0476	0.6373	0.415	0.0361
33	0.9938	1.0027	1.0091	1.2333	1.0069	0.9795	1.3754	1.0321	0.5978	1.0066	1.0227
33	1.0043	1.0013	1.0094	0.9262	0.9485	0.9969	1.3888	0.9737	0.6043	0.992	0.9849
33	1.0015	1.0006	1.0086	0.9547	0.9884	1.0206	1.4602	0.9977	0.5906	1.0087	1.0084
33	1.0004	0.9951	0.9796	0.9489	1.0624	1.0103	1.418	0.9912	0.6095	0.9918	0.9885
34	1.7616			0.1097	0.3148	1.1719	0.3211	0.0377	0.2384	0.557	0.0251
34	1.6062			0.1153	0.2051	1.1192	0.2887	0.0314	0.2018	0.6008	0.0247
34	2.0711			0.1392	0.1562	1.1873	0.2378	0.0301	0.1638	0.5978	0.0217
34	1.9491			0.1562	0.1292	1.1328	0.1873	0.0298	0.2162	0.5815	0.0253
35	4.443	2.4154	5.57	0.2009	0.2376	0.9079	0.8706	0.0581	0.2279	0.1813	0.0256
35	4.135	2.4044	5.5872	0.2016	0.224	0.9526	0.9235	0.0587	0.1633	0.1868	0.0269
35	4.5727	2.0656	5.8695	0.1208	0.2456	0.9086	1.027	0.0343	0.1843	0.2114	0.0268
35	4.2478	2.0239	5.6929	0.1607	0.2673	0.8907	0.7431	0.0321	0.1952	0.265	0.0262
36	4.4201	5.4898	4.46	0.2749	1.138	1.1211	0.4005		0.3839		
36	4.5218	6.6393	4.1022	0.2894	1.5649	1.0625	0.4344		0.4696		
36	4.1389	7.3223	4.5927	0.3312	1.3079	1.0038	0.4513		0.4184		
36	4.0356	5.6025	4.4498	0.3554	1.2191	1.0344	0.4482		0.4017	2.7878	
37	1.915	1.2631	1.2691	1.1587	0.9524	0.854	0.967	0.4125	0.2623	1.0807	0.559
37	1.9511	1.2725	1.2836	1.1365	0.9439	0.8686	0.9638	0.5047	0.2702	1.0996	0.5726
37	1.9777	1.2824	1.2982	1.1302	0.9253	0.8551	0.9644	0.4912	0.2701	1.0625	0.5291
37	1.8948	1.275	1.327	1.119	0.952	0.8648	1.011	0.4825	0.2668	1.0708	0.5097
38	16.8435	0.4698		0.6829	0.8252	0.8302	0.3201	0.4366	0.2851	0.8281	0.4351
38	16.6519	0.5057	4.4565	0.6256	0.9026	0.7615	0.3867	0.4598	0.2603	0.8405	0.236
38	10.3333	0.4613	4.9125	0.6531	0.8078	0.7645	0.2689	0.4693	0.381	0.7579	0.193
38	6.6466	0.4653	3.5695	0.7152	1.0125	0.8641	0.2344	1.2671	0.2704	0.8558	0.1649
39	6.7888	1.3085	1.4848	0.1736	0.3702	0.9001	0.8635	0.0394	0.343	0.5894	0.0401
39	7.0532	1.566	1.7121	0.1925	0.8904	2.1687	0.9642	0.0336	0.3869	0.5624	0.0467
39	5.954	1.1953	1.7359	0.1934	1.1159	1.4441	0.6818	0.0228	0.2661	0.5673	0.0487
39	5.9441	1.6868	1.0136	0.2114	0.8722	1.8771	0.5765	0.0249	0.1493	0.6575	0.0587
41	0.3425	0.586	2.8144	0.6296	0.4958	0.7342	1.0963	0.09	0.3069	0.644	0.2046
41	0.4211	0.604	2.5777	0.6617	0.8587	0.7218	1.1455	0.1069	0.2993	0.6652	0.2182
41	0.3855	0.5997	2.442	0.6228	0.641	0.8194	1.1201	0.0906	0.3015	0.5779	0.2144
41	0.3283	0.6195	2.6185	0.6233	0.8397	0.8294	1.2995	0.0899	0.3818	0.7292	0.245
42	0.5653	2.852	0.9541	0.4139	0.7345	1.2429	1.5285		1.3847	1.0641	
42	0.4584	2.271	0.9649	0.4609	1.7484	1.1041	1.5215		1.19	1.0513	
42	0.5294	3.8352	1.0067	0.4779	0.8889	1.1962	1.4328		1.2641	0.9617	
42	0.4955	4.0426	1.0916	0.4505	1.1768	1.2925	1.3419		1.1444	1.1435	
43	2.2024	0.9668	8.1182	0.29	0.2021	0.6556	0.2906	0.032	0.0234	0.4591	0.1489
43	1.7537	0.9528	8.5095	0.3123	0.233	0.907	0.3743	0.0333	0.023	0.4928	0.1517
43	1.6114	0.9498	8.4012	0.3147	0.229	0.6047	0.3481	0.0283	0.0206	0.5471	0.1325
43	2.477	1.0257	8.5758	0.3351	0.2783	0.4421	0.3273	0.0294	0.0195	0.5006	0.123
44	2.33		8.7427	0.1598	0.7316	1.0572	0.399	0.048		0.4632	0.0507
44	2.8201		11.5041	0.1596	0.8148	1.1082	0.5376	0.0496		0.4875	0.0463
44	2.2573			0.1649	0.765	1.0125	0.5689	0.0383		0.6097	0.0387
44	2.4209		10.7385	0.1512	0.5298	0.8792	3.1651	0.035		0.5814	0.0484
45	24.7122	0.8328	2.44	0.878	2.1648	0.8837	1.1057	0.9975	2.5895	1.7595	0.3985
45	24.9984	0.8167	2.4565	0.8727	2.2033	0.844	1.0701	0.9774	2.6999	1.7296	0.3863
45	22.0994	0.8105	2.4776	0.8435	2.2629	0.8494	1.099	0.9883	2.919	1.7374	0.3795
45	20.1191	0.8203	2.484	0.844	2.17	0.8352	1.0883	0.9344	2.9912	1.6645	0.3658
46	3.2304	1.2805	1.7745	0.2542	0.8653	1.0421	0.4696	0.1126	0.2913	0.4547	0.0728
46	2.7281	0.992	1.7203	0.2375	1.2104	1.1549	0.4162	0.1119	0.2431	0.5781	0.0579
46	2.7773	0.9551	1.6111	0.3036	0.6758	0.9728	0.6733	0.1063	0.2578	0.5679	0.0529
46	2.2902	1.455	1.508	0.3891	1.4761	0.988	0.8144	0.1304	0.2394	0.5845	0.0517
47		1.5309	0.9674	0.8533	1.14	1.0347	2.8207		0.6374	1.0763	
47		1.4715	0.9932	0.8925	1.1016	1.0285	3.177		0.6658	1.0778	
47		1.5137	1.0258	0.8178	1.059	0.9811	3.0176		0.698	1.1625	
47		1.4633	1.0822	0.8757	1.1577	1.7256	3.0343		0.6585	1.1206	
49	1.1495	1.8522	1.4606	1.0766	0.8836	0.8509	1.1796	0.7667	0.4329	0.889	0.8497
49	1.4746	1.8344	1.4285	1.0978	0.8761	0.8262	1.3561	0.8643	0.4785	0.8777	0.8154
49	1.4982	1.8244	1.455	1.1123	0.872	0.841	1.4295	0.9016	0.4236	0.8941	0.8103
49	1.4977	1.8475	1.4867	1.1293	0.9988	0.8463	1.011	0.7483	0.5204	0.8911	0.8237
50	1.9359	1.0294	3.4388	0.5611	1.3652	0.9626	0.3293	0.2765	0.3407	0.4346	0.1436
50	1.8795	1.0423	3.6065	0.5936	1.1346	1.0322	0.4133	0.296	0.3648	0.4287	0.1462

50	1.9564	1.0633	3.456	0.6115	0.9969	1.0838	0.6266	0.3672	0.3272	0.4872	0.1877
50	1.9117	1.0074	2.7953	0.7261	1.182	1.0169	0.8177	0.2942	0.49	0.5619	0.1907
51	1.6435	0.468	3.2181	0.3938	0.9524	0.8387	0.6409	0.1075	0.1665	0.8862	0.1328
51	1.6852	0.4973	2.9044	0.4313	0.757	0.8552	0.4751	0.1019	0.1272	0.8325	0.1135
51	1.7295	0.4927	2.6862	0.4586	0.7105	0.853	0.5228	0.1046	0.1583	0.8345	0.0897
51	1.6455	0.4747	2.2162	0.5243	0.8988	0.8158	0.5537	0.1032	0.1553	0.8032	0.1057
52	5.0993	0.7704	4.3996	0.6692	0.7371	0.9175	0.6464	0.2214	0.0727	0.7758	0.1763
52	4.5693	0.7751	4.604	0.7364	0.6981	0.8007	0.6167	0.2183	0.0695	0.7914	0.2025
52	5.1558	0.7812	4.2954	0.7709	0.6578	0.8359	0.6208	0.1387	0.0697	0.7608	0.1905
52	5.4975	0.7895	4.0622	0.8371	0.6663	0.7769	0.668	0.1513	0.0692	0.802	0.1465
53	3.223		4.2106	0.9119	0.7984	0.987	0.3783	1.504	0.2195		
53	2.7979		4.2351	1.1473	1.1515	1.0217	0.4462	1.0914	0.141		
53	3.3541		3.7588	0.3519	1.3655	0.9167	0.4189	2.038	0.3599		
53	3.5442		3.8772	0.5006	1.0408	0.9565	0.3404	2.8555	0.3291		
54	2.5816	0.851	3.0495	0.4489	0.762	0.7891	0.5592	0.1651	0.4367	0.5301	0.1286
54	2.4981	0.835	2.5818	0.4916	0.8808	0.8293	0.5572	0.1451	0.3931	0.4892	0.1354
54	2.4731	0.851	2.7068	0.4932	0.8869	0.797	0.6258	0.1755	0.4629	0.4842	0.1433
54	2.4826	0.8215	2.7251	0.5241	0.8253	0.8255	0.6398	0.1582	0.4448	0.5074	0.1347
55	0.462	0.7148	1.2257	0.7861	0.8344	0.8572	1.1814	0.3163	0.6499	1.0066	0.2718
55	0.4957	0.7187	1.2493	0.8008	0.8383	0.8836	1.2906	0.3446	0.6598	1.0043	0.2597
55	0.4917	0.7243	1.1999	0.8089	0.856	0.8824	1.2248	0.3054	0.6851	0.9906	0.266
55	0.5119	0.7521	1.1922	0.8107	0.8717	0.8916	1.2461	0.2526	0.6982	0.9918	0.254
56	9.349	1.8541	2.4397	0.7387	3.0361	0.6825	0.9582	0.2233	4.5143	2.0546	0.085
56	15.0335	1.7735	2.5009	0.7409	4.6514	0.6244	0.6399	0.2861	8.4872	2.0864	0.0926
56	11.9817	1.803	2.3974	0.7643	4.3046	0.698	0.5779	0.2278	9.1148	2.1178	0.0833
56	14.0726	1.824	2.424	0.7342	4.8324	0.6647	0.4584	0.2319	5.8771	2.1301	0.0929
57	21.8313	1.3626	3.2692	0.6212	2.2023	0.7812	0.6433	0.7591	12.2733	1.4138	0.2138
57	20.7028	1.3804	3.2454	0.3234	1.977	0.797	0.6295	0.7324	10.458	1.4278	0.2084
57	21.2684	1.3649	3.3323	0.6407	1.9004	0.7797	0.726	0.7557	12.1894	1.4356	0.2134
57	20.7294	1.3653	3.4959	0.6211	1.6786	0.7761	0.7294	0.7295	12.845	1.3884	0.2022
58	0.2561	0.9264	6.0354	0.1138	0.8625	0.739	0.0854	0.0372	0.2136	0.2796	0.0177
58	0.2538	0.8928	6.2366	0.1475	0.8531	0.7152	0.0602	0.0277	0.2121	0.3263	0.0164
58	0.2295	0.9224	5.7111	0.1886	0.9152	0.994	0.0813	0.031	0.2303	0.3535	0.0199
58	0.2508	0.9178	4.8374	0.2664	1.1694	0.9527	0.2891	0.0366	0.155	0.4196	0.0174
60	27.7462	0.8288	2.3347	0.8689	2.5687	0.8852	1.1115	0.9761	3.7758	1.7632	0.382
60	35.6013	0.8402	2.3086	0.8484	2.286	0.8937	1.1387	0.9555	2.7794	1.7694	0.3806
60	40.1649	0.835	2.3919	0.8996	2.3099	0.8436	1.3885	0.9787	2.8027	1.748	0.365
60	15.9431	0.8351	2.3958	0.8622	2.3336	0.8821	1.2125	0.9828	2.7438	1.6967	0.3781
61	1.1081	2.438	0.9522	0.5436	1.0473	0.7722	1.4041	0.0295	1.4092	1.0126	0.0511
61	1.118	2.5123	0.9375	0.6394	1.0809	1.0754	1.3792	0.0511	1.714	0.9345	0.053
61	1.0286	2.5117	0.8141	0.6454	1.0108	0.8661	1.6139	0.0506	1.6325	1.0156	0.053
61	1.0574	2.5222	0.7915	0.7081	1.0429	0.7931	1.3362	0.0318	1.4902	0.938	0.0612
62	0.9126	1.1913	2.3054	0.7132	1.1816	0.9061	2.0128	0.2384	0.2698	0.6815	0.2145
62	0.9139	1.1994	2.083	0.6719	1.129	0.8951	1.7582	0.2505	0.7013	0.5993	0.2297
62	0.8921	1.121	2.28	0.6135	1.2522	0.8807	1.9497	0.2575	0.5818	0.597	0.2017
62	0.9229	1.1346	2.1083	0.5928	0.8534	0.8624	1.77	0.2598	0.5274	0.6562	0.1919
63	1.2314	1.3842	1.3305	0.7241	1.3551	0.9813	1.0586	0.5272	0.7155	1.1455	0.3863
63	1.2168	1.3984	1.3489	0.7305	1.3043	1.1628	1.0321	0.5547	0.9825	1.1828	0.4174
63	1.236	1.3724	1.3249	0.7387	1.4094	0.9585	0.9969	0.5663	0.7311	1.1471	0.4306
63	1.2483	1.4147	1.3438	0.7712	1.3854	0.9655	1.0972	0.5624	0.7527	1.1564	0.4606
64	0.9645	0.409	2.7711	0.2149	0.6803	0.812	0.2732	0.1042	0.3876	0.7036	0.0533
64	0.9345	0.3843	1.8881	0.2112	0.7903	0.8951	0.1788	0.1091	0.3749	0.6287	0.0432
64	0.938	0.4021	2.4064	0.2704	1.0778	0.774	0.179	0.133	0.3286	0.5899	0.0418
64	0.99	0.4166	2.1359	0.2975	0.9896	0.7281	0.1921	0.1535	0.3531	0.584	0.0449
65	2.3487	1.4699	3.5345	0.875	1.3921	0.9874	0.9415	0.5047	0.4637	0.9521	0.2882
65	2.2997	1.4265	3.637	0.9885	1.4444	1.0417	0.8935	0.4173	0.4372	0.9409	0.2391
65	2.2679	1.3711	2.9408	1.0006	1.3412	0.9532	1.0896	0.3861	0.4124	0.9771	0.1787
65	2.3573	1.3936	2.5106	1.078	1.4322	0.969	0.948	0.3495	0.4613	0.9617	0.1743
66	4.1266	0.7362	2.2531	0.7805	0.6383	0.9668	0.7126	0.5615	0.2138		0.5228
66	4.1185	0.7278	2.216	0.779	0.6713	0.9742	0.6397	0.5493	0.224		0.507
66	4.1199	0.7232	2.2548	0.6335	0.7054	0.978	0.6073	0.4866	0.24		0.5092
66	4.0901	0.721	2.2713	0.6808	0.715	0.991	0.6658	0.5251	0.2545		0.467
69	3.2742	3.4092	5.3822	0.5441	0.788	0.533	0.2366	0.1448	0.1671	0.3043	0.1297
69	3.2392	3.2899	5.4873	0.563	0.8337	0.5097	0.2717	0.1723	0.1601	0.2906	0.1244
69	3.1146	2.9927	5.3452	0.6108	0.7137	0.5363	0.3058	0.2178	0.1525	0.2894	0.161
69	3.3046	3.7663	5.2818	0.5996	0.822	0.6044	0.3428	0.2144	0.1574	0.3356	0.1434
70	2.3772	1.2066	5.0552	0.1851	0.7304	0.7925	0.6041	0.0232	0.5466	0.4505	0.0231
70	2.4568	1.2641	4.837	0.173	0.6978	0.8463		0.025	0.5095	0.4624	0.0215
70	2.5085	1.1949	4.9038	0.1689	0.7297	0.7723	0.6684	0.024	0.534	0.537	0.0217
70	2.4024	1.1539	6.2233	0.2121	0.7915	0.784	0.6581	0.0212	0.516	0.4858	0.0229
71											0.0396
71											
71											
71											
14-0	0.1958	1.8608	2.5359	0.5249	2.5075	0.8897	1.9214		6.8771	1.934	
14-0	0.1858	1.7903	2.5933	0.6882	2.5489	0.9019	1.9905		7.1257	2.8486	
14-0	0.196	1.7751	2.272	0.4727	2.9892	0.7705	2.3709		10.6734	2.5472	
14-0	0.2186	1.7844	2.7013	0.9703	2.8303	0.8144	1.3025	0.031	8.2477	2.4024	
14-1	0.1078	1.7671	2.4918	0.5428	2.6789	0.9729	1.7581	0.0379	13.1791	1.6556	
14-1	0.1187	1.7763	2.491	0.6218	2.5823	0.8415	2.0076	0.0257		2.2829	
14-1	0.1093	1.7413	2.6699	0.5104	2.0956	1.0084	1.043	0.0361		1.9706	
14-1	0.115	1.7304	2.7752	0.5239	1.7946	0.766	1.4928			1.3746	
14-2	0.2062	1.7153	3.2972	0.125	1.4207	0.857	1.4603	0.0525	2.4985	0.7004	0.0351
14-2	0.2291	1.7315	3.7285	0.5396	1.9017	0.8351	1.0337	0.0389	1.1991	0.737	0.0391
14-2	0.2422	1.7665	3.6324	0.4866	1.6181	0.8061	1.0618	0.052	1.7245	0.699	0.0512
14-2	0.2546	1.7234	3.3132	0.5483	1.4885	0.8558	1.0468	0.0521	1.6867	0.7481	0.0445
14-4	0.2181	1.659	3.6921	0.7225	1.166	0.8296	2.8004	0.0769	1.1493	0.6285	0.0257
14-4	0.2237	1.6286	3.9561	0.5719	0.9996	0.7523	2.9881	0.073	0.7212	0.5127	0.0278
14-4	0.2187	1.6314	3.9484	0.4208	0.8856	0.7565	2.2867	0.0792	0.8627	0.5534	0.0218
14-4	0.21	1.6551	3.7819	0.3724	0.9152	0.7547	2.2629	0.0666	0.9642	0.588	0.0261
56-0	18.8319	1.9051	2.4303	0.8918	3.9338	0.6746			19.8169	2.0409	0.0472
56-0	17.3955	1.8734	2.37	0.812	4.0431	0.6456			18.7128	2.0683	0.0544
56-0	16.5196	1.8453	2.3822	0.7852		0.645			19.4938	2.09	0.0616
56-0	9.5643	1.815	2.3875	0.7078	4.5395	0.6279			18.9807	2.0786	0.0518
56-1	11.8346	1.8849	2.4753	0.8513	3.6566	0.6669	1.0483	0.0521	15.4235	1.9957	0.0712

56-1	15.7987	1.8713	2.4237	0.8131	3.6772	0.6664	0.858	0.0513	14.5821	2.0168	0.0056
56-1	16.2983	1.8561	2.3723	0.8477	3.258	0.6995	0.8779		14.8717	2.0116	0.0662
56-1	11.2984	1.8885	2.3206	0.8998	3.4699	0.6518	0.8928	0.0725	15.527	1.9967	0.0492
56-2	11.5025	1.921	2.4178	0.8524	3.3494	0.7506	0.7566	0.1215	3.1746	1.9949	0.0762
56-2	13.6946	1.858	2.3613	0.7754	3.9668	0.5946	0.8918	0.1262	7.0715	1.9807	0.0618
56-2	13.4037	1.8465	2.3384	0.7745	4.2318	0.7217	0.9348	0.1177	4.5835	2.0115	0.0662
56-2	14.8617	1.8598	2.401	0.8995	3.1337	0.7065	0.889	0.1238	5.0355	2.0049	0.0564
K 1	0.7861	0.834	4.1027	0.0446		1.1615	0.1803	0.0241		0.2129	
K 1	0.8083	0.7469	4.0953	0.0313		0.7054	0.2112			0.1948	
K 1	0.9306	0.6079	3.5955			1.1077	0.2134			0.2318	
K 1	1.0244	0.5116	2.6884	0.0395		0.8928	0.2402			0.2796	
K0	1.0042	0.5083			0.198		0.1328			0.7677	
K0	1.4913	0.5391					0.1746			0.9873	
K0	0.8706	0.403		0.0703			0.2263			1.1595	
K0	1.2318	0.5499		0.0631	0.1848		0.571			1.5296	
K10	1.9099	0.9855	2.9466	0.1921	0.3158	1.3548	0.6739	0.0215	0.2209	2.0486	0.0342
K10	1.831	0.9445	2.6565	0.1939	0.2098	1.2634	0.6674	0.0213	0.3694	1.4635	0.0336
K10	1.8142	0.9661	2.7692	0.2012	0.2271	1.3583	0.7601	0.0238	0.2955	0.7605	0.0377
K10	1.9574	0.9123	2.7952	0.1892	0.2598	1.3832	0.7553	0.0243	0.3167		0.0353
K2	1.2517	1.019	10.0243	0.0601	0.5347	0.7475	0.2199	0.0158		0.2611	0.0233
K2	1.1109	0.8912	10.3504	0.0587	1.191	0.7058	0.2633	0.0145	0.2187	0.2286	0.0205
K2	1.2426	0.6524	10.6266	0.06	0.4814	0.7082	0.4339	0.016		0.2056	0.0227
K2	1.1528	0.5183	10.3003	0.0477	0.4679	0.6816	0.4213	0.0182		0.2488	0.0228
K4	1.6176	0.6083	3.8437	0.1133	0.3454	0.4345	0.3288	0.018	0.2714	0.6523	0.0206
K4		0.6471	4.0937	0.1232	0.3772	0.5127	0.3438	0.0143	0.2363	0.635	0.0212
K4	1.0044	0.5445	3.8439	0.1203	0.4753	0.5228	0.3456	0.0156	0.2297	0.6146	0.0262
K4	1.3418		3.9777	0.111	0.3579	0.4643	0.3245	0.0173	0.2556	0.6937	0.0247
K6	1.1367	0.83	3.4641	0.1154	0.2785	1.032	0.4969	0.019	0.2943	0.8384	0.0308
K6	1.0522	0.7885	3.3534	0.1172	0.2741	0.9314	0.4965	0.0184	0.3067	0.7958	0.0282
K6	1.0751	0.7582	3.4765	0.1286	0.3036	0.9316	0.4771	0.0189	0.3208	0.6861	0.0283
K6	1.0929	0.708	3.4117	0.1499	0.2461	1.0149		0.0182	0.3061	0.8166	0.0268
SP-1											
SP-1											
SP-1				0.0483							
SP-1											
SP-2											
SP-2											
SP-2											
SP-2											
SP-3	4.6731			0.2186		0.7884					
SP-3	4.6856			0.3156		0.5518					
SP-3	4.4326			0.3009		0.783					
SP-3	4.3659			0.1912		0.789					

Anhang 5:

Rohdaten der Celegans Toxchip Experimente mit Atrazin

	Atrazin											
Konz.	25 mg/l				5 mg/l				1 mg/l			
Gene ID	1	2	3	10	4	5	6	10	7	8	9	10
1	1.7766	0.4545	0.6395	0.8629	1.7648	0.1713	0.8097	2.1345	0.2764	0.5185	0.4612	2.1654
1	0.6468		0.657	2.0661	1.3371	0.2437	0.6389	5.416	0.278	0.5103	0.4288	5.4838
1	0.3813	0.5543	0.9555	2.2863	1.3062	0.1645	0.603	2.4981	0.2855	0.3486	0.4166	2.7839
1	0.3826	1.6054	0.6008	2.0483	1.5626	0.1874	0.4589	2.6497	0.2772	0.3131	0.4662	3.2878
2	0.4037	0.3891	0.301	2.3826	2.5294	0.6052	1.7768	2.0834	0.729	0.1664	1.2951	1.791
2	0.4164	0.421	0.2864	2.5303	3.3108	0.4654	1.7262	1.9732	0.8191	0.1784	1.3732	1.6982
2	0.5562	0.7546	0.284	2.2341	3.1409	0.423	1.767	2.1083	0.8182	0.2008	1.2602	1.9594
2	0.506	0.7164	0.3959	2.3586	3.6294	0.378	1.6612	2.292	0.8328	0.3694	1.3818	2.0044
4	1.413	0.6293	0.419	1.2924	0.8298	0.2407	0.72	2.6059	0.4253	0.7511	0.5679	1.1234
4	1.0037	0.5208	0.4748	1.2763	0.8041	0.3084	0.7709	1.0485	0.4711	0.6891	0.6373	1.1326
4	1.2178	0.368	0.511	1.2834	1.0117	0.2776	0.7579	0.9708	0.4888	0.7336	0.883	1.1088
4	1.1801	0.4192	0.5489	1.3079		0.2273	0.7471	1.0779	0.4579	0.7078	0.9112	1.2927
5	0.8733	0.859	0.6054	0.8556	0.9334	0.5678	0.9937	0.8428	0.5392	0.8445	0.5	0.8748
5	0.8842	0.9059	0.6071	0.86	0.7689	0.4435	0.9814	0.8742	0.5339	0.778	0.4438	0.8019
5	0.8609	0.7585	0.6557	0.9623	0.8896	0.4993	1.0322	0.8668	0.4825	0.8419	0.5071	0.7649
5	0.8654	0.8556	0.7288	0.8921	0.8612	0.5151	1.0186	0.879	0.5204	0.849	0.5239	0.8506
7	0.535	0.8897	0.1193	0.3451	0.3686	0.0784	0.3165	0.8043	0.2871	0.1249	0.4402	0.5635
7	0.585	0.9359	0.1971	0.3095	0.3731	0.0893	0.2284	0.3273	0.3373	0.4422	0.4057	0.5207
7	0.7429	1.032	0.3173	0.3321	0.4293	0.0889	0.2784	0.3442	0.3313	0.1619	0.3921	0.5872
7	0.902	1.0785	0.3049	0.3064	0.2664	0.0864	0.2475	0.3304	0.3057	0.1258	0.3834	0.8215
8	0.4664	0.3132	0.392	1.0118	1.4119		0.8856	0.8718	0.7019	0.4872	1.1646	1.1181
8	0.4665	0.532	0.4281	0.954	1.3954	0.1928	0.7964	0.9521	0.7832	0.3731	1.0091	0.914
8	0.6003	0.4159	0.5008	0.959	1.434	0.2158	0.833	0.8449	0.8519	10.7306	0.9594	1.0062
8	0.4493	0.3384	0.4869	0.9726	1.5142	0.1958	0.8822	0.8304	0.8471	1.4544	0.7553	0.9476
9	0.7256	0.9852	0.3227	0.8653	1.4818	0.243	1.4483	0.9714	0.6541	0.5321	1.1333	0.9214
9	0.7502	0.7763	0.1948	0.886	1.1004	0.4333	1.7169	0.9559	0.7302	0.5224	0.8344	0.8674
9	0.7459	0.8369	0.4461	0.8611	1.6545	0.2093	1.4217	0.947	0.9263	0.6533	0.869	0.8493
9	0.8003	0.8034	0.4823	0.9199	1.7833	0.235	1.3216	0.9357	0.875	0.3555	1.0013	0.877
10	1.3131	1.403	1.6781	0.2217	0.9178	0.1375	0.6044	0.315	0.6029	0.3478	0.2452	0.3061
10	1.4753	1.2992	0.5153	0.2721	1.0206	0.1271	0.6921	0.321	0.4805	0.3631	0.2966	0.3589
10	1.2314	1.1868	0.5131	0.2628	1.1482	0.1544	0.7713	0.3116	0.5235	0.378	0.2659	0.3445
10	1.2318	0.7498	0.5791	0.3123	1.02	0.1664	0.8766	0.3286	0.5041	0.3262	0.3407	0.2721
11	0.9876	0.458	0.97	0.6686	0.8012		1.2472			0.0618	0.2503	0.1714
11	1.1518	0.7363	1.0141	0.4944	0.9902			0.1213		0.21	0.2806	0.4661
11	0.938	0.6665	0.7231	0.3371	0.7449		0.6189	0.1929		0.258	0.225	0.486
11	0.57	0.8869	0.8879	0.333	0.9368			0.1497	0.2611		0.336	
12	0.4281	0.1365	0.9928	0.4222	0.2769	0.0908	0.2665	0.193	0.0568	0.0539	0.6302	
12	0.329	0.1467	0.8173	0.3739	0.2489	0.0961	0.2148	0.1769	0.0648	0.0345	0.6184	
12	0.3676	0.1236	0.9107	0.3696	0.2426	0.0617	0.2647	0.2142	0.0588	0.0335	0.6832	0.1812
12	0.4294	0.1646	0.8501	0.3839	0.211	0.0826	0.2788	0.2142	0.0557	0.125	0.7489	0.3511
13	0.8293	0.7045	1.587	3.036	3.334	1.3459	1.7997	1.9942		1.9442	0.6982	2.5853
13	0.7762	0.6573	1.6729	2.4413	3.3856		1.7574	1.8907	0.9112	2.2448	1.4687	2.4729
13	0.7617	0.4984	1.4613	2.9702	3.2625		1.7731	1.8272	1.2627	1.7062	0.9416	2.547
13	0.7773	0.5939	0.9818	3.0226		1.1323	1.7066	2.0156	1.6575	2.5887	0.7044	2.4459
14	0.5939	0.724	1.3935	0.1024	0.4308	0.0112	1.4337	0.1121	0.364	0.7401	0.1062	0.12
14	0.6949	0.6548	1.1892	0.1142	0.4576	0.0129	1.3203	0.0997	0.3574	0.6963	0.0979	0.1553
14	0.7098	0.6979	1.3069	0.1199	0.4055	0.0109	1.4105	0.0971	0.379	0.6333	0.084	0.1502
14	0.7199	0.6491	1.2556	0.0914	0.4675	0.0136	1.2274	0.0943	0.425	0.6624	0.0946	0.125
15	0.9289	1.3223		0.6665	5.5322		3.6843	0.6241	0.7942	0.6981	0.5796	0.5905
15	0.9051	0.5829		0.6475	5.2448	0.5405		0.5608	0.9226	0.8877	0.7068	0.7022
15	0.7823	0.6729		0.6363	5.78			0.6066	0.9606	0.6574	0.5419	0.6808
15	0.7007	0.8043		0.6608	5.3423		1.878	0.5705	1.0111	0.5661	0.0191	0.7627
16	0.3185	0.1123	0.4592	0.6791		0.1746	0.6539	0.3423	0.4319		0.1976	0.6192
16		0.0807	0.2748	0.5858			0.5284	0.3851			0.3856	0.5612
16	0.3928	0.0853	0.4319	0.5778		0.1679		0.3246		0.0715	0.3392	0.5116
16	0.2971	0.1099	0.2877	0.6267		0.2042	0.4335	0.3741	0.4096	0.0809	0.3466	0.4956
17	0.6239	2.2028	0.9782	1.3541	2.5209	1.7248	1.0851	1.2903	1.3213	3.0665	0.4411	1.2925
17	0.6273	3.0384	0.9964	1.3883	2.557	1.8769	1.0501	1.2689	1.3142	3.1898	0.4509	1.2144
17	0.6374	2.6854	0.9976	1.3705	2.5045	1.9829	1.0637	1.2787	1.3129	2.8368	0.426	1.2734
17	0.6458	2.7306	0.8685	1.4211	2.5164	2.3947	1.0635	1.2849	1.3081	3.2907	0.4707	1.266
18	0.832			0.7157	1.3779	0.1185	0.9542	0.4933	0.3484	0.4067	0.5295	0.6457
18	1.0281		0.6177		1.0726	0.1355	0.7709	0.5117	0.3533	0.5458	0.4949	0.6935
18	0.8867			0.6584	1.82	0.1764	0.8702	0.5171	0.4479	0.5552	0.4829	0.7332
18	0.8678			0.6347	1.5582	0.2097	0.8325	2.2748	0.3263	0.4436	0.496	0.721
19	0.8231	0.591	0.6966	0.4156	2.379	0.0838	0.6004	0.3801	1.9723	0.7699	0.5188	0.3365
19	0.8781	0.7206	0.695	0.3998	2.1715	0.1251	0.5274	0.3422	1.7954	0.6792	0.5576	0.3297
19	0.8556	1.067	0.6194	0.368	2.4055	0.1312	0.5301	0.3403	1.5979	0.6731	0.5268	0.3298
19	0.8662	1.7698	0.724	0.3946	3.0237	0.1854	0.6058	0.3418	1.5748	0.4252	0.5096	0.3747
20	0.8993	0.8015	1.6604	0.908	1.6143		1.1623	0.9451	2.8365	0.8583	0.9271	0.7789
20	0.8667	0.7422	2.1473	0.9384	1.5245	2.919	1.0144	0.9526	2.113	0.8541	0.7892	0.8863
20	0.8387	0.875	1.7747	0.8925	1.5744	2.9098	0.9998	0.9425	2.5406	0.8034	0.7073	0.8153
20	0.8405	0.737	1.6585	0.9175	1.5125	1.9221	1.0647	0.9195	1.8146	0.8286	0.6198	0.7806
21	0.645	0.2923	0.3857	0.6733	1.5699	0.3904	0.4745	0.8324	0.6855	0.6859	0.3509	0.8841
21	0.6509	0.3229	0.2921	0.8454	1.8117	0.3176	0.6568	0.805	0.6477	0.6433	0.3235	0.8573
21	0.6829	0.2673	0.4177	0.873	1.8394	0.2909	0.7355	0.7189	0.358	0.6254	0.3506	0.8604
21	0.6481	0.3276	0.5827	0.9536	1.9917		0.6261	0.663	0.7243	0.6153	0.6506	0.923
22	0.7506	1.2421	1.5952	0.8405	2.1557	0.8561	0.8081	0.6393	1.4968	1.5982	0.7067	0.9069
22	0.7371	1.4715	1.6501	0.8874	1.8544	0.9456	0.7025	0.689	1.5417	1.5556	0.7304	0.9134
22	0.7527	1.6568	1.5485	0.8624	2.4685	0.8984	0.5392	0.6664	1.4514	1.6651	0.7681	0.9258
22	0.7575	1.438	1.5669	0.8462	2.4739	0.9744	0.7763	0.6681	1.6687	1.5859	0.7092	0.9168
23	0.2936	0.4253	1.3362	0.078	0.6773	0.0296	0.2793	0.099	0.2122	0.3061	0.1235	0.1345
23	0.239	0.4392	1.3065	0.2015	0.7695	0.0484	0.2499	0.1139	0.1955	0.3126	0.1248	0.1545
23	0.3068	0.3906	1.2929		0.7305	0.0585	0.2575		0.1898	0.2903	0.121	
23	0.3166	0.4311	1.2278	0.1967	0.7453	0.0504	0.2487	0.1066	0.2068	0.2755	0.1179	0.133
24	0.7721	0.9383	1.2508	0.9534	0.9407	0.6547	1.6309	1.1425	0.8294	1.079	0.8427	1.001
24	0.9006	0.9273	1.2083	0.9579	1.0077	0.4377	1.6696	1.1079	0.8301	0.8636	0.8454	0.9806
24	0.9614	0.8731	1.1998		1.0525	0.3434	1.7123		0.8509	0.6918	0.8083	

24	0.9961	0.9432	1.177	1.0417	0.9549	0.3816	1.3824	1.0957	0.842	0.5349	0.7771	0.9962
25	0.7152	0.8032	0.8374	0.4898	1.565	0.1798	0.733	0.4226	0.6059	0.4693	0.6663	0.4269
25	0.7099	0.7951	0.8266	0.4835	1.5893	0.1686	0.6808	0.4217	0.5992	0.4532	0.6582	0.4328
25	0.6993	0.7474	0.8384			0.1423	0.6747		0.6021	0.4398	0.6488	
25	0.693	0.7739	0.8694	0.4985	1.5949	0.157	0.6651	0.4106	0.5904	0.5036	0.6937	0.4311
26			0.9377	0.7447	0.6922	0.162	0.4886	0.1837	0.1201	0.0912	0.2663	1.3898
26				0.7514	0.5866	0.1529	0.5043	0.5277	0.129	0.0909	0.4788	1.3456
26			5.7552		0.7853	0.1312	0.562			0.1414	0.5118	
26			3.2585	0.7417	0.7208	0.1147	0.9751	0.5463		0.1464	0.3487	1.5212
27	0.4137	1.4662	0.8095	1.8998	4.0286	0.6875	0.7724	1.9924	0.6717	1.6785	0.4002	2.6644
27	0.4682	1.0371	0.8319	2.3675	4.6093		0.5983	2.1111	0.7358	1.3799	0.4221	2.8244
27	0.4175	1.1097	0.8663		4.5166	1.0051	0.5058		0.6963	1.1409	0.4326	
27	0.5001	1.1098	0.8193	2.1725		1.4177	0.6678	2.1019	0.7532	1.4417	0.4206	2.6506
28			0.3146	0.3187	0.3134	0.0477	0.154	0.1908	0.1575	0.0241	0.107	0.1517
28		0.3465	0.1931	0.2793	0.3602	0.0629	0.187	0.1877	0.1442	0.0229	0.1196	0.3391
28		0.4091			0.3907	0.036	0.2086		0.1388	0.0333	0.1015	
28		0.3747	0.5898	0.312	0.4189	0.0382	0.1888	0.1938	0.1404	0.0278	0.1035	0.3086
29	0.7895	1.0585	0.3889	1.062	1.7179	0.4372	0.8141	0.822	0.6542	0.7411	0.815	0.9467
29	0.7975	0.9793	0.3999	1.0286	1.8674	0.4362	0.9172	0.8378	0.7299	0.7158	0.896	0.8258
29	0.7921	0.9144	0.5004		1.1011	0.5233	0.838		0.7795	0.809	1.0961	
29	0.8023	0.8782	0.5722	1.0795		0.4628	0.8301	0.8661	0.7341	0.8498	1.1262	1.0472
30		0.1311	0.0598	0.1362	0.1732	0.0475	0.1623	0.1686		0.0786	0.0412	0.7785
30		0.193	0.0493	0.1647	0.0998	0.0475	0.1893	0.167		0.0778	0.037	
30		0.1902	0.0751		0.1443	0.0571	0.2461				0.0348	
30		0.1138	0.1062	0.1892	0.3459	0.0544	0.1922	0.1631		0.0539	0.0444	0.085
31	0.5152	1.0037	0.6263	2.3072	5.0092	1.1086	1.4944	1.9875	0.7586	1.4197	1.9521	1.8856
31	0.5266	0.9946	0.615	2.2753	5.0537	1.2049	1.4642	1.7836	0.7687	1.5208	2.0117	1.9489
31	0.5377	0.9602	0.6091		5.382	1.2495	1.5293		0.7774	1.8079	2.0078	
31	0.5407	1.0263	0.6051	2.2809	5.3814	1.097	1.6564	1.7268	0.7277	1.6911	2.0482	1.8848
32	1.2506	0.7295	0.5078	0.9924	2.4742	0.2812	0.9416	0.8158	0.7839	0.6719	0.855	0.8193
32	1.154	0.7492	0.5443	1.1599	2.3418	0.2196	0.9995	0.8699	0.7355	0.8079	0.8193	0.8349
32	1.2026	0.792	0.5187		2.5175	0.1687	0.9355		0.7041	0.6965	0.8282	
32	1.2656	1.0313	0.552	1.1071	2.5271	0.1335	1.227	0.8685	0.5943	0.4407	0.8987	0.8243
33	1.1157	1.2274	1.4551	0.9696	3.9585	8.6158	0.9532	0.9819	1.6179	1.2562	1.6652	0.9802
33	1.108	1.2485	1.4183	1.01	3.9731	8.2485	0.967	1.0018	1.7184	1.2546	0.962	1.0113
33	1.0858	1.2493	1.4189		4.2092	8.4635	1.127		1.8169	1.2453	0.956	
33	1.1281	1.2321	1.3663	1.0204	3.7532	7.3839	0.9693	1.0158	1.8255	1.3262	0.9612	1.0131
34			1.0217	0.6875	0.9629	0.1823	1.4613	0.5875	0.8305	0.2939	0.364	0.3487
34	1.1404		1.2223	0.5587	0.8954	0.194	1.541	0.6435	0.4235	0.3468	0.3686	0.3352
34	0.9588		0.5997		1.2089	0.1698	1.4364		0.5148	0.2909	0.2139	
34	1.0615		1.3274	0.6445	0.9185	0.2119	1.7329	0.6231	0.5063	0.3383	0.4931	0.3675
35	1.074	0.6565	0.5102	0.902	6.2619	0.0172	0.7471	1.2321	1.1082	0.7393	0.9296	1.3212
35	1.1526	0.7233	0.5324	0.9698	6.7559	0.0191	0.703	1.1194	1.1411	0.7909	0.9215	1.292
35	1.1888	1.0956	0.493		6.8426	0.0162	0.7098		1.0439	0.6417	0.8134	
35	1.2278	0.8717	0.5085	0.8881	7.058	0.0163	0.7608	3.0998	1.0604	0.6625	0.863	1.173
36	1.156	1.0409	0.8628	1.1382	9.4117	0.0073	0.818	1.1494	2.1822	0.9645	1.0944	1.0519
36	1.1976	0.5712	0.8132	1.1447	9.1318	0.0113	0.7906	0.9329	2.1749	0.9619	1.1268	1.0538
36	1.1918	1.0686	0.6602		8.8975	0.0089	0.7659		2.3207	0.9706	1.0837	
36	1.1652	1.1881	0.7167	0.9971	9.372	0.0103	0.8006	1.0849	2.2652	0.9921	1.0975	1.0096
37	0.9651	1.178	1.3641	0.9954	1.8465	0.7515	0.8988	0.9868	1.0358	0.8866	0.3967	1.0647
37	0.985	1.1809	1.3905	1.0204	1.9021	0.913	0.9027	0.969	1.0827	0.8478	0.3991	1.0581
37	0.9787	1.1965	1.38		1.8991	0.7861	0.9118		1.0652	0.8632	0.3957	
37	0.9712	1.1884	1.433	1.0188	1.9424	0.8244	0.9233	0.9638	1.0593	0.9083	0.4147	1.0164
38	0.618	19.3138	4.1972	1.8841	3.7611	3.633	1.4652	1.5538	1.4993	0.7818	2.3171	1.743
38	0.6861			1.8432	3.8478	2.6426	1.8138	1.6203	1.5534	0.7974	2.0259	1.7244
38	0.665		5.7279		4.1128	1.6978	1.845		1.4496	0.834	1.7096	
38	0.6605		1.0364	1.8683	4.4051	4.0451	1.4512	1.5939	1.4818	0.7868	1.7664	1.6384
39	0.9031	1.0247	0.4726	1.0371	12.4546	0.4357	0.635	0.5819	3.4552	0.4519	0.4583	0.9735
39	0.9215	0.9009	0.4581	1.0477	11.4675	0.6692	0.5891	0.5393	3.3162	0.4531	0.4747	0.9352
39	0.9143	1.003	0.4607	1.0443	12.7433	0.2083	0.6001	0.5109	3.7785	0.4409	0.513	0.9146
39	0.9326	1.1357	0.4619	1.0382	14.4793		0.5223	0.5259	3.6754	0.5268	0.5192	0.9148
41	0.7246	1.0611	0.9922	0.2451	0.8825	0.1011	0.4632	0.2188	0.4146	1.5616	0.6788	0.2587
41	0.848	0.9842	0.9839	0.2404	0.9468	0.1248	0.4235	0.2356	0.4074	1.3439	0.7528	0.2671
41	0.7691	1.0715	0.9504	0.2463	0.9496	0.1438	0.4966	0.2408	0.4233	1.5024	0.7231	0.2661
41	0.7455	1.0815	0.9791	0.2296	0.977	0.1403	0.4866	0.2213	0.4183	1.4849	0.7282	0.2624
42	1.1155	1.2416	1.3055	0.3223	1.3399	0.5692	0.9509	0.3253	0.7067	0.9604	0.4543	0.3433
42	1.368	1.317	1.3922	0.3374	1.4552	0.6226	1.0475	0.3091	0.7069	1.1494	0.4586	0.318
42	1.2419	1.204	1.3592	0.332	0.8387	0.5942	0.8931	0.2978	0.7431	0.9711	0.4698	0.357
42	1.2026	1.3245	1.4159	0.3099	1.2974	0.7759	0.9053	0.3084	0.6945	1.0276	0.457	0.3529
43	0.25	0.7047	0.253	2.1084	2.2075	0.1448	0.6179	1.4214	0.3441	0.4611	0.6423	2.4785
43	0.2655	0.3958	0.3855	1.5957	2.232	0.1248	0.6324	1.4335	0.4908	0.467	0.6509	2.341
43	0.2785	0.721	0.3449	1.4713	2.19	0.1021	0.6473	1.1479	0.3685	0.5363	0.652	2.2413
43	0.2852	0.7298	0.347	1.4197	2.1881	0.0967	0.5724		0.3503	0.6593	0.7448	2.2368
44	1.0562	1.7578	1.275	0.6908	1.5173	0.1118	0.4995	0.5185	0.5263	0.5375	0.3987	0.5134
44	1.3196	1.5189	1.2815	0.6708	2.0672	0.0953	0.34	0.5027	0.4665	0.4411	0.3941	0.5677
44		1.5973	1.423	0.5918	1.7748	0.0548	0.3461	0.6369	0.4749	0.3804	0.4639	0.5372
44	0.9319	2.2771	1.8817	0.6186	1.7614	0.0852	0.2798	0.598	0.4785	0.5448	0.4187	0.6396
45	0.9634	1.313	1.3198	0.9911	0.3964	6.7105	2.1609	1.0749	0.9945	0.7405	1.793	1.1351
45	0.9922	1.2799	1.3178	0.976	0.4016	7.668	2.0631	1.0728	0.9884	0.6957	1.6508	1.174
45	0.9921	1.3369	1.3049	1.0084	0.3828	4.8303	2.1109	1.0781	0.9669	0.6275	1.7397	1.1654
45	0.9981	1.3134	1.287	0.936	0.3834	4.8508	2.1087	1.0439	0.9226	0.6626	1.7652	1.1692
46	1.298	1.927	0.642	0.4388	1.1881	0.2795	0.9058	0.3725	0.9584	1.054	0.7841	0.4462
46	1.4016	1.0913	0.7163	0.442	0.8703	0.2469	0.9193	0.3762	0.9188	1.0176	0.7615	0.4077
46	1.0712	1.1693	0.8101	0.459	1.344	0.2354	0.8742	0.3712	1.0203	1.0126	0.7376	0.4545
46	1.3344	0.9927	0.8443	0.45	0.9331	0.2465	0.9268	0.3722	0.8301	0.8916	0.7841	0.3995
47	0.886	1.1487	1.332	0.8268	2.1728	0.9807	1.011	0.7459	1.3552	1.1824	0.5427	0.7278
47	0.9217	1.214	1.3301	0.872	1.9401	0.9236	1.0133	0.7556	1.4131	1.2724	0.5629	0.7157
47	0.8836	1.1706	1.3509	0.8541		0.82		0.787	1.4932	1.2089	0.5463	0.7184
47	0.8966	1.2278	1.3165	0.8622		0.881		0.799	1.3969	1.2701	0.5526	0.723
49	0.9542	1.2058	1.1182	1.2789	2.0441	1.4861	1.0795	1.28	0.9071	0.8161	0.6711	1.1906
49	0.9865	1.2085	1.1126	1.2593	2.079	1.9668	1.1047	1.2592	0.9372	0.7854	0.6366	1.1523
49	0.9856	1.1788	1.1332	1.2586	2.1462	2.0805	1.0967	1.2211	0.9767	0.7487	0.6542	1.1476
49	0.9866	1.2018	1.1164	1.2117	2.1783	2.0954	1.1983	1.2479	0.8766	0.7372	0.6349	1.2018
50	0.7743	0.6959	1.0873	1.2706	2.0939	0.8016	1.1003	1.0826	1.1214	1.0522	0.6267	0.9753
50	0.7726	0.6908	1.1553	1.2502	1.9101	0.5699	1.123	1.0599	1.4441	1.0785	0.6353	0.9714

50	0.7841	0.8051	1.1962	1.312	2.0189	0.794	1.1473	1.0541	1.3255	0.9486	0.6462	1.0083
50	0.7932	0.9019	1.1975	1.3041	2.1151	0.6579	1.18	1.0974	1.1873	1.3674	0.6453	1.0341
51	0.597	1.0214	0.8137	1.0611	3.4271	2.158	1.3809	1.0522	1.1323	0.4984	0.7695	1.0968
51	0.6093	0.9572	0.5258	1.0292	3.5425	1.2598	0.9433	1.027	1.3562	1.8193	0.7099	1.098
51	0.61	0.7985	0.9459	1.0491	3.4909	1.5522	0.9754	1.0207	1.5147	1.5132	0.7744	1.137
51	0.6223	0.7024	0.9393	1.0763	3.5306	0.8169	0.9713	1.1049	1.6222	1.582	1.1054	1.1462
52	0.5571	0.8668	0.9925	2.8442	3.7004	1.0078	1.1775	2.4163	1.5364	5.9078	0.4128	2.7103
52	0.5801	0.8536	0.8174	2.7567	4.0926	1.0775	1.2581	2.415	1.5338	3.2572	0.4247	2.2837
52	0.5983	0.8142	0.8561	2.7661	4.0656	0.9921	1.2094	2.5339	1.5436	6.0201	0.3605	2.6139
52	0.5928	1.0174	0.8652	2.9665	3.9156	1.1149	1.2179	2.5538	1.4097	5.7498	0.3781	2.5353
53	1.2257	1.8674	0.8192	1.0858	7.9296	0.0653	0.7839	1.2366	3.6451	0.9167	0.8911	1.3243
53	1.2605	2.1937	0.6781	1.0531	8.2962	0.0972	0.7688	1.2765	3.3372	0.9479	0.8473	1.1299
53	1.2185	1.9585	0.8316	1.0272	8.0537	0.0615	0.8245	1.1271	2.51	0.8741	0.8508	1.1973
53	1.2448	2.1658	0.8954	1.0148	8.5596	0.0895	0.8072	1.1305	2.5099	1.162	0.85	1.2224
54	0.9029	0.6818	0.6633	1.0024	1.7946	0.2735	0.789	0.9839	0.8878	1.1136	0.5434	1.0488
54	0.9286	0.7078	0.6749	1.0014	1.6938	0.2611	0.772	1.0023	0.9243	1.0646	0.572	1.0273
54	0.7845	0.7252	0.1362	1.0209	1.7325	0.3004	0.7738	0.9418	0.8676	1.0623	0.6341	
54	0.7765	0.8491	0.7275	1.082	1.7359	0.3089	0.7941	0.9278	0.8892	1.057	0.7689	1.0701
55	0.9186	0.9728	1.9874	0.347	2.8737	0.9411	0.7132	0.3167	1.1099	0.8322	0.3585	0.4811
55	0.8925	0.9872	1.9433	0.3518	3.3417	0.9915	0.6915	0.3559	1.1212	0.8656	0.4274	0.4667
55	0.9121	0.9592	2.0339	0.3279	3.2337	0.977	0.7061	0.3649	1.1138	0.8757	0.4309	0.4588
55	0.9021	0.9732	2.2002	0.2959	2.9928	1.2825	0.7142	0.3679	1.0858	0.9169	0.3253	0.442
56	1.3058	0.5649	0.6338	0.4926	0.1382	0.3744	2.7433	0.7802	0.4919	0.3239	0.8845	0.571
56	1.2927	0.5674	0.6253	0.4979	0.1298		2.7537	0.6753	0.4758	0.4879	0.8935	0.5829
56	1.293	0.5729	0.6178	0.5173	0.129	0.1489	2.7481	0.6512	0.5152	0.3592	0.8748	0.5795
56	1.3248	0.5883	0.6158	0.4932	0.1334	0.1942	3.0184	0.6481	0.485	0.3346	0.8449	0.5727
57	1.5324	1.7225	1.3103	0.1449	0.186	1.1113	1.6155	0.2317	0.5797	0.59	1.9147	0.2182
57	1.5637	1.6398	1.3174	0.1414	0.1913	0.9584	1.578	0.2331	0.5799	0.8443	1.9266	0.2153
57	1.5712	1.6704	1.3043	0.1414	0.1923	1.0609	1.5676	0.2188	0.5897	0.3487	1.8889	0.2222
57	1.5861	1.502	1.3144	0.1405	0.187	1.347	1.6024	0.2219	0.5871	0.5862	1.8885	0.2116
58	0.8942	0.9598	1.0709	0.4163	0.3572	0.1807	1.8089	0.4325	0.5396	0.3558	0.4535	0.1658
58	0.6666	0.8041	1.1267	0.4169	0.3818	0.1093	1.8889	0.4166	0.5147	0.7214	0.4513	0.3791
58	0.7931	1.2518	1.2262	0.3741	0.3876	0.121	1.6154	0.4015	0.5253		0.512	0.4173
58	0.6778	0.98	1.2747	0.3818	0.4181	0.1157	1.7889	0.3683	0.531		0.4761	0.3275
60	0.9945	1.3643	1.2406	0.9258	0.4332	23.9205	1.9624	1.098	1.1067	1.1101	1.7433	1.1835
60	1.0371	1.3989	1.2823	0.9171	0.4454	27.1667	2.2572	1.1019	1.1321	1.1163	1.7382	1.1428
60	1.0275	1.3505	1.284	0.9551	0.3927	27.2646	2.2625	1.0102	1.1233	1.0163	1.7104	1.067
60	0.9973	1.3444	1.2684	0.9697	0.5026	25.1996	2.1397	1.0673	1.0685	1.0696	1.781	1.1395
61	1.1997	1.2274	0.9985	0.4249	2.5666	0.6518	0.7886	0.445	1.664	1.132	0.349	0.5258
61	1.1705	1.2007	1.025	0.4178	2.0076	0.9014	0.7483	0.4451	1.7163	1.138	0.3366	0.525
61	1.2494	1.3679	1.0224	0.4067	1.9222	0.8686	0.8149	0.4381	1.9655	1.1376	0.3396	0.4962
61	1.197	1.3021	0.997	0.4087	2.042	0.6814	0.7898	0.4412	1.6515	1.0881	0.3554	0.4791
62	1.0442	1.1941	0.968	0.8698	1.872	0.4868	0.975	0.8634	1.2154	0.9219	0.5277	0.7056
62	1.0443	1.0819	0.9638	0.8539	2.0106	0.4793	0.9563	0.8691	1.6532	1.2327	0.5152	0.7025
62	1.0325	1.0056	0.9538	0.8487	2.0688	0.5496	1.0695	0.8504		0.8482	0.5231	0.6807
62	1.0779	1.1544	0.9408	0.8599	2.0503	0.3226	1.0575	0.8487		0.9224	0.5236	0.6774
63	0.7925	1.5816	1.4103	0.486	3.4559	1.4243	0.9301	0.4093	1.4725	0.8976	0.6888	0.6252
63	0.7769	1.6263	1.3725	0.4891	3.3788	1.4304	0.9106	0.4003	1.4625	0.8758	0.6814	0.6102
63	0.7959	1.5755	1.3721	0.5036	3.2429	1.5635	0.9322	0.4039	1.7525	0.8926	0.6711	0.6138
63	0.7722	1.5349	1.4164	0.4908	3.0713	1.7708	0.9997	0.4151	1.4992	0.8962	0.6597	0.5974
64	0.6846	1.1306	0.5851	0.4816	3.7034	1.1567	0.6833	0.4529	1.2325	0.4774	0.7286	0.5576
64	0.6672	1.0969	0.6344	0.48	3.6552	0.4799	0.697	0.4422	1.1476	0.4531	0.8568	0.5438
64	0.638	0.8414	0.6866	0.4832	3.836	0.4577	0.6738	0.4279	1.2987	0.4001	0.8316	0.5065
64	0.6617	0.8718	0.7171	0.4777	3.9541	1.1094	0.707	0.43	1.3095	0.4752	0.8935	0.5477
65	0.817	0.9809	0.832	1.2401	7.6871	1.359	1.1157	0.9337	3.3352	1.3473	0.6424	1.1259
65	0.7724	1.3055	0.8189	1.2818	6.6317	1.3171	1.1344	0.8905	4.659	1.3603	0.6061	1.1086
65	0.7982	1.186	0.8109	1.2953	7.0361	1.2612	1.0873	0.9076	6.2359	1.4132	0.6061	1.1019
65	0.823	1.3011	0.8519	1.323	6.1188	1.3028	1.0728	0.9461	3.1601	1.8857	0.6921	1.1033
66	0.6619	1.4272	1.0773	1.6466	3.812	1.0293	1.1455	1.298	0.9143	1.1934	0.9844	1.8318
66	0.6644	1.4206	1.0355	1.6519	3.7461	0.97	1.1585	1.3268	0.9369	1.411	0.9431	1.79
66	0.6732	1.4129	1.0717	1.7134	3.6204	0.913	1.1451	1.3408	0.9311	1.4572	0.9433	1.8222
66	0.6827	1.4086	1.0674	1.6304	3.7266	0.8915	1.1634	1.3641	0.9571	1.0734	1.0091	1.7413
69	1.356	0.6465	0.4346	0.8627	5.6093	0.0901	0.7018	1.0346	1.6499	1.1928	0.7853	0.9583
69	1.1013	0.5145	0.4775	0.8855	5.6849	0.0996	0.7173	0.9812	1.7162	1.1539	0.7195	0.9763
69	1.0956	0.7506	0.443	0.904	5.5995	0.0881	0.9297	0.9311	1.7781	1.2118	0.785	0.9433
69	1.0881	0.8182	0.4651	0.9197	5.9351	0.1178	0.7238	0.9475	1.9906	1.1523	0.8013	0.9445
70	0.8138	0.4714	0.9608	0.5712	1.8238	0.3301	0.823	0.4021	0.9262	0.4887	0.2526	0.4836
70	0.7731	0.4451	1.0441	0.5888	1.9678	0.2458	0.7829	0.3785	0.8952	0.5293	0.2583	0.4649
70	0.817	0.5234	1.3073	0.5931	1.8693	0.5142	0.9077	0.3808	1.0705	0.4973	0.2511	0.4504
70	0.8499	0.4762	1.526	0.6047	2.0363	0.4867	0.7483	0.3916	0.9195	0.5425	0.2833	0.4856
71				0.2624	1.5075			0.2773			0.175	0.8779
71				0.2639				0.3858			0.0226	0.8415
71				0.326				0.2679				0.3204
71				0.3065	2.7236			0.2655			0.0423	0.7548
14-1	0.9638	0.6361	1.592	0.0992	0.6178	0.0151	1.782	0.087	0.2969	0.4863	0.1016	0.11
14-1	0.934	0.829	1.5467	0.0856	0.6215	0.0208	1.6988	0.0798	0.3967	0.5145	0.0992	0.0424
14-1	0.9129	0.7023	1.5547	0.098	0.7011	0.0231	1.6996	0.0901	0.3091	0.4841	0.0965	0.058
14-1	0.9279	0.8743	1.5489	0.1058	0.7664	0.0251	1.5387	0.0724	0.3665	0.5378	0.1149	0.041
14-2	0.7097	0.9121	1.3506	0.0886	1.7081	0.1697	1.0445	0.09	0.8221	0.5832	0.2058	0.1322
14-2	0.8796	0.8362	1.3466	0.0888	1.6353	0.2069	1.2403	0.0906	0.8614	0.5569	0.2054	0.1357
14-2	0.7611	0.9537	1.3667	0.085	1.603	0.1901	1.0793	0.0858	0.8102	0.5937	0.1949	0.1141
14-2	0.7643	0.7772	1.3498	0.079	1.5119	0.0833	1.1483	0.0871	0.6947	0.5124	0.198	0.1047
14-4	0.7018	0.632	1.2889	0.1174	1.1712	0.1258	1.0218	0.1314	0.4527	0.3817	0.2151	0.1878
14-4	0.7197	0.6907	1.2828	0.1089	1.2067	0.1426	1.012	0.1264	0.4835	0.3774	0.209	0.1912
14-4	0.791	0.746	1.2643	0.1046	1.2345	0.1385	1.1674	0.1146	0.504	0.3201	0.2139	0.18
14-4	0.7858	0.7594	1.2509	0.102	1.2029	0.1411	1.1883	0.1036	0.5083	0.688	0.2047	0.1532
14-0	0.7638	0.8222	1.595	0.0946	0.8253	0.0157	1.7238	0.103	0.6348	0.4432	0.1093	0.0879
14-0	0.7766	0.6796	1.5877	0.0967	0.7712	0.0218	1.7281	0.0946	0.2215	0.4411	0.106	0.059
14-0	0.6775	0.6744	1.5462	0.1076	0.9569	0.0163	1.8715	0.1041	0.3031	0.4822	0.1173	0.0773
14-0	0.7756	0.7295	1.5106	0.0911	0.979	0.0188	1.5269	0.1073	0.291	0.492	0.1135	0.0578
56-0	1.2182	0.6135	0.7104	0.5327	0.1331	7.9264	2.2573	0.6747	0.6025	0.3529	0.8526	0.5499
56-0	1.2227	0.5827	0.6976	0.5151	0.1157	9.0449	2.2348	0.657	0.6152	0.2969	0.8433	0.5315
56-0	1.2647	0.5851	0.6416	0.5106	0.1677	7.9984	2.1335	0.6655	0.601	0.356	0.9399	0.5856
56-0	1.2389	0.582	0.6672	0.4917	0.1289	10.6889	2.3165	0.6626	0.6154	0.3084	0.9213	0.5344
56-1	1.2733	0.5742	0.6872	0.475	0.1255	9.4601	2.9297	0.6189	0.6132	0.2957	0.8886	0.5843

56-1	1.2023	0.6081	0.6919	0.464	0.1248	13.1376	2.2431	0.6762	0.6035	0.2525	0.6912	0.5609
56-1	1.2208	0.5851	0.6746	0.4927	0.1419	12.5651	2.2742	0.6403	0.6319	0.3046	0.8876	0.5687
56-1	1.2333	0.5955	0.6855	0.4798	0.1221	7.9349	2.2388	0.6143	0.6028	0.277	0.8935	0.5695
56-2	1.1694	0.6152	0.6488	0.5183	0.1373	0.9109	2.4868	0.7307	0.5502	0.2844	0.8947	0.6056
56-2	1.1693	0.5933	0.6468	0.5086	0.1188	0.6802	2.4189	0.7216	0.5331	0.3303	0.8822	0.6177
56-2	1.1753	0.6305	0.6447	0.5208	0.1494	0.4708	2.372	0.7138	0.547	0.2652	0.849	0.6102
56-2	1.2055	0.5891	0.6448	0.5185	0.1378	0.4087	2.4498	0.7336	0.5041	0.271	0.894	0.6265
K 1	0.5552	0.3661	0.3261	0.4111	0.9262		0.2896	0.3744			0.161	0.9681
K 1	0.5729	0.2556	0.386	0.461	0.8685	0.0838	0.3282	0.3556		0.0627	0.1352	0.8948
K 1	0.3779	0.3022	0.2837	0.3573	0.7691	0.1093	0.4401	0.3099		0.1894	0.1376	0.8285
K 1	0.6663	0.228	0.1923	0.3916	0.5715	0.1249		0.395		0.1293	0.1203	1.0287
K0	0.3056	0.3293	0.1723		0.4313	0.0976	0.4318					
K0	0.92	0.3108	0.4363		0.358	0.1171	0.6058	0.5832				
K0	0.9531	0.2744	0.3343			0.0826	0.4207	0.4001				0.5096
K0		0.3241	0.3059		0.4162		0.3666	0.2483			0.2126	0.3293
K10	0.8752	0.4775	1.2598	0.7337	1.7482	0.1045	0.8069	0.77	0.7691	0.3553	0.5153	0.8897
K10	0.7494	0.5789	1.4138	0.7571	1.797	0.0781	0.8659	0.8099	0.6813	0.3822	0.5466	0.8462
K10	0.7803	0.5466	1.3292	0.7347	1.8906	0.0839	0.9784	0.7494	0.6876	0.4164	0.5123	0.8487
K10	1.0068	0.6091	1.3252	0.7664	1.656	0.07	0.9519	0.7853	0.5298	0.3209	0.5164	0.8714
K2	0.9318	0.3504	0.5047	0.393	0.3074	0.0365	0.7032	0.428	0.3107	0.2141	0.2705	0.9586
K2	1.0137	0.3835	0.4455	0.3727	0.2983	0.0862	0.6872	0.4064	0.2947		0.3649	0.8172
K2	0.9338	0.4426	0.3725	0.3831	0.2602	0.059	0.4979	1.1975	0.2881	0.2488	0.3028	0.7535
K2	0.8619	0.4275	0.3597	0.3712	0.5202	0.0744	0.5273	0.4415	0.3478		0.3178	0.7219
K4	0.4598	0.4908	0.2871	0.1672	0.8793	0.1023	0.3862	0.4539	0.3279	0.2299	0.243	0.9896
K4	0.4806	0.5033	0.274	0.437	0.9097	0.1009	0.3902	0.4519	0.3248	0.2531	0.2129	0.7963
K4	0.4484	0.5675	0.3006	0.508	0.8104	0.115	0.4062	0.4589	0.3333	0.2981	0.2294	0.8644
K4	0.3421	0.6021	0.3349	0.5938	0.7946	0.1248	0.3941	0.531	0.3272	0.2908	0.225	0.9091
K6	0.6356	0.5534	0.5175	0.5981	1.0635	0.1405	0.544	0.5955	0.5738	0.4556	0.3674	0.8325
K6	1.6386	0.5644	0.5263	0.6021	1.0004	0.1486	0.6138	0.6311	0.4955	0.5001	0.3981	0.9824
K6	0.535	0.5248	0.4883	0.5898		0.1587	0.6364	0.5766	0.5059	0.4604	0.3827	0.9303
K6	0.9103	0.532	0.5576	0.6153	1.2892	0.0952	0.5386	0.5955	0.5188	0.4977	0.3692	0.8308
SP-1		0.0889										
SP-1		0.0517										
SP-1		0.0656										
SP-1		0.2755	0.2915			0.0275						
SP-2		3.2192										
SP-2		0.2426										
SP-2		0.077										
SP-2		0.1517										
SP-3				0.5243	3.1064		1.209					
SP-3				1.082	2.6857		1.5105					
SP-3		0.0004		1.4558	2.6931		1.8492					
SP-3		0.2769		1.5653	3.0849		1.3782		0.4658			

Anhang 6:

Rohdaten der Celegans Toxchip Experimente mit Endosulfan

	Endosulfan								
Konz.	1,5 mg/ l			0,3 mg/ l			0,06 mg/ l		
Gene ID	34	35	36	34	35	36	34	35	36
1	0.735			0.6739	0.0941	0.6031	0.5395	0.3576	
1	0.7242	0.2331	0.1915	1.3087	0.0811	0.7272	0.4858	0.357	0.4915
1	0.7639	0.2054		0.4593	0.0676	0.516	0.4067	0.3498	0.464
1	0.8543	0.2215		0.5308	0.0671	0.5752	0.4357	0.3241	0.467
2	4.247	4.1755	11.4299	5.2883	4.3975	19.5522	2.9177	2.9537	3.6658
2	4.265	3.0141	23.782	5.1216	5.5403	16.3017	2.8349	2.9406	5.1242
2	4.4481	2.5051	12.3108	5.2521	6.0661	16.3374	2.8608	2.8319	4.7496
2	4.6267	3.0094	12.7229	4.9299	6.9389	15.7759	2.8556	2.9412	5.4222
4	15.1572	2.8128	6.3812	3.4354	1.0555	12.0243	0.8352	0.7606	0.8651
4	13.3934	2.9941	3.7277	3.7185	1.1034	11.3999	0.8584	0.7568	0.9368
4	14.3132	2.6043	2.777	3.6608	1.079	11.6175	0.8471	0.7545	0.9086
4	14.3153	2.6717	2.8493	3.8864	1.3851	10.0869	0.885	0.7468	0.9255
5	1.0371	0.7134	1.0833	1.1099	0.6651	0.7597	0.9161	0.7776	0.8416
5	1.0429	0.6832	0.981	1.1101	0.5963	0.8155	0.8949	0.8092	0.8608
5	1.1528	0.6908	1.05	1.0929	0.5886	0.7966	0.8086	0.8597	0.9051
5	1.0947	0.8875	0.954	1.1785	0.6973	0.8039	0.8998	0.8266	0.887
7	0.7647	0.0221		0.7106		1.4678	0.3843	0.3087	0.3779
7	0.7709	0.0511	0.7884	0.8774		0.5895	0.3975	0.2787	0.826
7	0.787	0.0543		0.91		0.5678	0.3474	0.3063	0.3969
7	0.7547	0.2023		0.8782		0.6395	0.3923	0.3235	0.406
8	0.722	0.2827	0.6339	0.6454	0.1279	0.4168	1.0913	0.3708	0.3437
8	0.7697	0.0687	1.7979	0.6867	0.0963	0.4302	0.4017	0.3533	0.3023
8	0.7513	0.1641	0.478	0.7059	0.0572	0.3893	0.4183	0.3462	0.3188
8	0.7349	0.1247	0.4101	0.6872	0.0503	0.4233	0.4004	0.3542	0.3315
9	1.2069	0.5005	1.1989	1.6403	0.1307	1.2236	0.7283	0.5764	0.9897
9	1.2685	0.1016	2.1618	1.6283	0.0811	1.1653	0.7068	0.5253	1.074
9	1.1599	0.468	1.1248	1.7728	0.3782	1.1425	0.7639	0.5415	1.0645
9	1.1992	0.4802	0.9451	1.68	0.3903	1.2841	0.6788	0.5709	1.0541
10	0.6796	0.1346	0.0528	0.6872	0.1278	0.7194	0.2941	0.8214	0.3924
10	0.8678	0.3486	1.0628	0.2281	0.1763	0.539	0.3021	0.3219	0.8903
10	0.7336	0.2493	0.9196	0.6947	0.196	0.5673	0.234	0.3457	0.4126
10	0.7419	0.2375	0.9937	0.7162	0.1994	0.5577	0.2406	0.3268	0.454
11	27.2448	3.0758		10.8472	0.6192	9.4988	6.9036	0.5889	
11	24.4193	9.5437	4.8347	26.0549	0.3406	10.0186	4.8376	0.6406	1.9177
11	63.5559	1.3117		7.6712	0.5782	8.6383	2.3048	0.5435	2.1734
11	21.768	1.6559		9.4673	1.1578	9.8258	2.1845	0.6762	1.0972
12	2.9167	1.1199		3.082	1.0576	1.8572	0.8655	0.6263	1.8339
12	2.9627	1.4343		2.1408	0.9975	3.0316	0.6715	0.6715	0.7596
12	3.1324	1.6767	2.2377	2.5828	1.0306	2.7649	0.6711	0.7137	0.7562
12	2.8834	1.5048	4.3815	2.5324	1.1371	3.1011	0.6074	0.5909	0.8023
13	3.0538	0.9901	1.0585	1.6047	0.7366	1.6728	0.8673	0.5866	0.6219
13	2.9853	1.0372	1.1212	1.598	0.7432	1.7032	0.8638	0.5999	0.6061
13	3.0426	1.162	1.1095	1.5406	2.022	0.9881	0.8166	0.5825	0.6023
13	3.0492	1.0126	1.1083	1.6312	0.7495	1.6215	0.8671	0.6061	0.4931
14	1.0621	0.3671	1.6141	0.9855	0.4616	0.8242	0.4732	0.5946	0.6179
14	1.046	0.4035	1.9993	1.0008	0.4638	0.8618	0.4396	0.6133	0.6016
14	1.002	0.4217	1.743	0.9905	0.4914	0.8038	0.454	0.5725	0.6003
14	1.0859	0.4152	1.8156	0.9288	0.4882	0.8055	0.4057	0.5695	0.6199
15	0.828	0.3019	0.1327	0.7235	0.0984	0.8778	0.5022	0.1506	0.5569
15	0.8104	0.2638		0.7127	0.0901	0.8767	0.5178	0.3735	0.5433
15	0.8709	0.2631	3.2637	0.8007	0.0885	0.8504	0.4892	0.3785	0.5771
15	0.7668	0.3365	0.4056	0.7721	0.0838	0.9864	0.5108	0.3795	0.5354
16	0.5966	0.1941		0.4786	0.0374	0.3701	0.2515	0.1005	
16	0.7623	0.1656	1.2033	0.5001		0.3288	0.2236	0.1981	0.3656
16	0.6514	0.1948		0.495	0.0398	0.3693	0.2887	0.2174	
16	0.6685	0.0312		0.4906	0.061	0.46	0.3282	0.2545	0.2507
17	0.6844	0.2074	0.4843	0.6269	0.3705	0.7466	0.5715	0.4143	0.4094
17	0.673	0.158	0.5462	0.6224	0.3799	0.7394	0.5788	0.4419	0.419
17	0.6852	0.2032	0.5363	0.6411	0.3633	0.7237	0.5836	0.4384	0.4031
17	0.6727	0.1832	0.5669	0.6213	0.3309	0.7473	0.5795	0.442	0.3969
18	16.7263	11.7122	3.424	5.6304	6.9428	4.9015	2.8314	0.5133	1.1058
18	16.4063	12.2003	4.2666	5.7742	7.0339	6.0452		0.5052	1.0928
18	16.2812	12.6732	3.4856	5.0845	6.066	7.0682	4.4021	1.3957	1.1517
18	39.264	10.5791	7.0722	5.8515	7.4427	13.9893		1.3186	1.0225
19	1.079	0.1448	1.8938	0.8721	0.0302	1.0337	0.4237	0.325	0.5596
19	1.0735	0.0304	0.9698	0.8723	0.0102	0.9851	0.3912	0.3305	0.5491
19	1.0045	0.0236	0.5155	0.8213		0.9559	0.416	0.3418	0.5391
19	1.071		0.5208	0.8726	0.1003	0.9184	0.4122	0.3639	0.5367
20	0.9915	0.5509	0.8289	0.797	0.2482	1.0156	0.724	0.7748	0.8815
20	0.9836	0.5818	1.0063	0.8041	0.2254	1.0193	0.6961	0.7794	0.8964
20	0.949	0.5667	0.8739	0.7714	0.2291	1.0536	0.6855	0.7683	0.8948
20	0.995	0.5536	0.8964	0.8326	0.8577	1.0008	0.6706	0.788	0.8851
21	0.7647			0.8698	1.3288	1.009	0.6248	0.6939	0.7147
21	0.7704			0.9333	0.5692	0.9881	0.6372	0.6857	0.7985
21	0.7802		1.4919	0.8887	0.5616	1.0054	0.6318	0.6656	0.8052
21	0.7476	9.2548	1.1117	0.8754	0.556	1.0064	0.5996	0.7293	0.7765
22	0.9755	0.709	0.8984	1.0555	0.627	0.8699	0.6605	0.6607	0.6315
22	0.9716	0.7761	0.7822	1.0079	0.5836	0.921	0.7367	0.6168	0.6533
22	1.0195	0.7606	0.9088	1.0782	0.666	0.9098	0.6484	0.636	0.6369
22	1.0196	0.7191	0.7633	1.0828	0.5661	0.8938	0.6756	0.6931	0.642
23	0.4705	0.5095		0.5589	0.2483	0.6034	0.421	0.5914	0.5695
23	0.5985	0.4453	2.6133	0.5647	0.1896	0.6643	0.3647	0.5484	0.4869
23									
23	0.6539	0.4387		0.5542	0.1597	0.6852	0.3727	0.5364	0.5446
24	1.1094	0.6768	0.88	1.2645	0.7901	1.0934	1.0366	0.9368	0.9461
24	1.1526	0.7395	0.8077	1.185	0.8176	1.1152	1.0117	0.9249	0.9776
24									

24	1.0803	0.8489	0.8524	1.1559	0.8438	1.1023	1.0129	0.9068	0.9978
25	1.3436	0.6577	2.3606	1.1608	0.6652	0.9022	0.7128	0.8565	0.9639
25	1.3419	0.4669	0.8859	1.1428	0.6535	0.8787	0.739	0.7857	0.9538
25									
25	1.3377	0.5673	2.2688	1.1704	0.6593	0.9161	0.6918	0.8354	0.9568
26	0.319			0.6118		0.4044	0.4031	0.4515	
26	0.6316	0.1996		0.4956	0.0975	0.3267	0.3384	0.3637	0.2246
26									
26	2.2092	0.7394		0.4979	0.3732	0.3714	0.3138	0.2737	
27	0.6231	0.1847	0.6048	0.6548	0.0967	0.3868	0.8285	0.6193	0.5923
27	0.6476	0.2467	0.5835	0.6435	0.108	0.384	0.7947	0.6418	0.562
27									
27	0.6193	0.2527	0.458	0.6531	0.1153	0.4025	0.8034	0.6244	0.5478
28	0.7234		1.4655	0.4033	0.1094	1.9931	0.2692	0.2765	0.883
28	0.644	0.0388	0.4505	0.5041		0.4673	0.274	0.2455	0.2978
28									
28	0.7575		3.2508	0.5129	0.0543	0.4305	0.2867	0.6669	0.3157
29	2.0439	1.1388	1.7195	1.3324	0.6643	1.5213	0.7522	0.7183	0.793
29	1.917	0.9712	1.5054	1.1931	0.6964	1.4048	0.6962	0.6777	0.7845
29									
29	2.0017	1.1455	4.7357	1.3534	0.6583	1.427	0.7214	0.7893	0.7613
30			0.9651	0.2512					0.2061
30	0.3295	0.0879	0.3379	0.2173	0.0741	0.1649	0.0913	0.043	0.2538
30									
30	0.3463		1.0718	0.2144	0.0873	0.2001	0.1794	0.0337	0.2286
31	1.4307	0.592	0.583	1.1631	0.5131	0.6792	0.9171	0.7125	0.5685
31	1.3989	0.6119	0.6378	1.1653	0.4687	0.6724	0.9379	0.7802	0.5594
31									
31	1.414	0.4419	0.3155	1.2111	0.4945	0.7401	0.9102	0.7526	0.6171
32	1.6683	1.385		1.2539	0.2942	6.8568	0.8911	0.934	1.114
32	1.6448	1.4408	1.5231	1.2669	0.9271	2.1718	0.8884	0.8666	1.0646
32									
32	1.9126	1.4815	1.7406	1.2975	0.8336	2.1676	0.9473	0.8674	1.1772
33	1.0046	0.9167	0.9957	1.0003	1.0373	0.9891	0.9872	0.9913	1.0307
33	1.0096	1.0971	1.0126	0.9811	0.9463	0.9952	0.9707	0.9986	0.9854
33									
33	0.9858	0.9636	0.9917	1.02	1.018	1.0159	1.0433	1.0105	0.9833
34	1.6641	0.268	0.998	1.4581	0.2353	1.5113	0.5855	0.3828	0.5438
34	2.2264	0.3432	1.1444	1.3671	0.2339	1.4676	0.5795	0.3371	0.5513
34									
34	0.962	0.2555	0.997	1.4063	0.2483	1.4998	0.5292	0.3251	0.5297
35	2.5316	1.4537		1.2374	0.1223	1.5317	0.457	0.6142	0.5957
35	2.1363	1.1816		1.2896	0.1146	1.1288	0.4915	0.4183	0.6241
35									
35	2.4913	1.1734		1.5035	0.122	1.1279	0.4398	1.2521	0.6621
36	2.2959	1.6464	7.2013	1.5881	0.5143	1.8621	0.559	0.7676	0.891
36	2.1528	1.1887	1.2902	1.6396	0.4917	1.6687	0.5228	0.902	0.8495
36									
36	2.2404	1.4126	3.5232	1.6223	0.4806	1.9319	0.5305	0.8807	0.8525
37	0.8315	0.8589	2.6878	0.8133	0.8024	0.9921	0.7093	0.8546	1.0122
37	0.8502	0.8661	1.2047	0.7928	0.7191	1.0048	0.7098	0.8593	0.9993
37									
37	0.8751	0.8686	1.2156	0.8188	0.7964	1.0199	0.6912	0.8373	1.0197
38	1.0305	0.7124	1.9329	1.1668	0.1563	0.9244	0.8741	0.4542	0.7571
38	1.0355	0.4632	1.2585	1.0971	0.1609	1.1424	0.7264	0.3974	0.7737
38									
38	1.0668	0.6143	2.2118	1.1478	0.4165	1.1638	0.844	0.3762	0.7467
39	0.999	0.6535	0.483	1.2648	0.3412	0.3825	1.8079	1.0319	0.5659
39	0.9831	0.5979	0.4954	1.2122	0.3742	0.385	1.7916	1.0032	0.569
39	0.987	0.5492	0.4679	1.2454	0.3996	0.376	1.7915	0.9952	0.5837
39	1.0259	0.5541	0.4744	1.2166	0.4494	0.3659	1.829	0.9762	0.5691
41	0.697	0.3595	0.7636	0.7023	0.2967	0.8981	0.4226	0.5205	0.5735
41	0.7263	0.3212	0.7141	0.705	0.3261	0.9095	0.4288	0.4949	0.5399
41	0.6806	0.3513	0.8134	0.6921	0.2845	0.8938	0.4175	0.5033	0.5411
41	0.7213	0.2669	0.7596	0.6794	0.2989	0.9062	0.4019	0.4763	0.591
42	0.7216	0.4601	2.3347	0.6887	0.6108	0.8835	0.5087	0.6018	0.5865
42	0.7358	0.4303	1.5088	0.7187	0.5774	0.7085	0.4723	0.6056	0.5671
42	0.8114	0.485	1.0441	0.7579	0.5725	0.7319	0.4534	0.5666	0.5609
42	0.7286	0.4902	0.8027	0.7107	0.5702	0.7637	0.5007	0.5256	0.5844
43	0.8472	0.3865	0.4841	0.7504	0.3016	0.4109	0.389	0.4744	0.3159
43	0.7064	0.3214	0.7257	0.8089	0.2773	0.4262	0.4049	0.4889	0.289
43	0.8805	0.3158	0.3169	0.7994	0.2512	0.3995	0.4012	0.4597	0.2931
43	0.838	0.297	0.3375	0.52	0.3145	0.4117	0.3944	0.5749	0.2977
44	1.1738	0.1288	1.0347	0.7189	0.0808	0.7451	0.3647	0.2904	0.3486
44	1.2221	0.1749	1.0445	0.7251	0.0698	0.7113	0.363	0.2916	0.3636
44	1.2602	0.1062	0.4163	0.7148	0.0736	0.6921	0.3566	0.2684	0.3615
44	1.2606	0.2176	0.7911	0.8901	0.1108	0.7305	0.3323	0.2882	0.7371
45	1.1256	0.7564	0.9932	1.713	0.9475	1.4707	1.7214	1.0035	1.1801
45	1.1363	0.7563	0.9667	1.7544	0.9412	1.167	1.7622	1.0227	1.1695
45	1.1364	0.7534	0.9816	1.6434	0.8003	1.2043	1.7556	1.0353	1.1174
45	1.1647	0.7281	0.9873	1.7859	0.7716	1.2139	1.7266	1.0194	1.1428
46	1.1116	0.1782	0.7137	0.782	0.2854	0.7225	0.3426	0.3878	0.4752
46	1.0985	0.1731	0.9971	0.7838	0.2579	0.7301	0.3365	0.3781	0.4679
46	1.099	0.1774	0.747	0.8063	0.2646	0.7291	0.3223	0.385	0.4437
46	1.0957	0.2246	0.6504	0.7888	0.2397	0.7448	0.3329	0.3782	0.4617
47	1.2091	0.893	1.5749	1.3434	0.8582	1.053	0.8851	0.9587	1.0451
47	1.267	0.9164	1.1064	1.3416	0.8246	1.0387	0.8754	0.9293	1.0401
47	1.2854	0.9587	1.0489	1.3752	0.5499	1.0697	0.8576	0.9693	1.0446
47	0.4996	0.9636	1.1065	1.33	0.8319	1.0352	0.877	0.9987	1.0723
49	1.3497	1.1106	1.1197	1.2524	0.8934	1.2983	1.0018	0.9631	1.0384
49	1.3386	1.1805	1.0312	1.1728	0.7998	1.2731	1.0205	0.9482	1.0892
49	1.3638	1.2033	0.9386	1.2187	0.8821	1.2402	0.9828	0.9578	1.06
49	1.3707	1.2082	0.9623	1.1636	0.9899	1.2109	1.0101	3.026	1.072
50	1.214	0.5552		1.161	0.6027	1.0091	0.7349	0.7472	0.7693
50	1.2909	0.5406	1.1704	1.1488	0.6008	1.0009	0.7562	0.7284	0.7729

50	1.2417	0.5941	0.9704	1.1229	0.5953	1.0239	0.7498	0.72	0.7801
50	1.2353	0.544	0.9405	1.1042	0.6251	1.0085	0.7634	0.7206	0.7719
51	1.0021	0.325	0.9524	1.0131	0.7122	1.082	0.7363	0.7077	0.8819
51	0.9978	0.3825	1.0923	1.0286	0.7159	1.0626	0.7285	0.6863	0.8863
51	1.0274	0.5023	0.9563	0.9788	0.7011	1.0641	0.7332	0.7095	0.7932
51	1.0429	0.3255	0.9818	1.0258	0.6694	1.0428	0.7391	0.7169	0.8955
52	0.9205	0.1715	0.5884	0.6724	0.2433	0.8232	0.3468	0.3023	0.3569
52	0.9279	0.1716	0.6039	0.7058	0.268	0.8324	0.3662	0.304	0.3767
52	0.8559	0.1787	0.6096	0.6883	0.2737	0.8	0.3468	0.3077	0.3412
52	0.9773	0.178	0.6191	0.7037	0.2514	0.8293	0.3829	0.3303	0.3402
53	1.3408	0.3524	1.3583	1.007	0.2198	1.0246	0.3886	0.389	0.3943
53	1.3352	0.3772	1.481	1.0271	0.1906	1.1578	0.3995	0.4098	0.3856
53	1.3539	0.3368	1.5443	1.006	0.1911	1.1063	0.3774	0.3977	0.3988
53	1.3666	0.357	2.1121	1.0409	0.2746	1.0112	0.3835	0.4268	0.398
54	1.1043	0.6192	1.1075	1.0631	0.5935	1.0918	0.7904	0.7208	0.9571
54	1.1036	0.6439	0.8705	1.0785	0.5677	1.103	0.7864	0.733	0.9718
54	1.169	0.6356	0.963	1.1079	0.6022	1.0952	0.7643	0.7239	0.9359
54	1.1129	0.6333	1.0022	1.0799	0.5995	1.1067	0.7617	0.7481	0.9276
55	0.9114	1.1152	1.5313	0.9749	0.7107	1	0.7094	0.8379	1.0688
55	0.8782	1.1662	1.3577	1.002	0.6806	1.0177	0.7108	0.8494	1.0817
55	0.9256	1.119	1.373	0.96	0.7201	1.0036	0.742	0.7955	1.0658
55	0.9055	1.1498	1.3074	0.9849	0.7718	1.0709	0.7467	0.8107	1.0931
56	0.3821	0.5025	0.5006	0.8653	0.2239	0.5359	1.3846	1.2531	0.7203
56	0.4101	0.2242	0.5723	0.8596	0.2304	0.5564	1.3805	1.2702	0.7351
56	0.3924	0.1776	0.5168	0.7994	0.2334	0.5394	1.4261	1.281	0.7015
56	0.4027	0.1929	0.5193	0.8305	0.2706	0.5316	1.4196	1.265	0.7326
57	0.9683	0.5842	1.0187	2.1671	0.7249	1.4327	1.7681	1.3537	1.3079
57	0.9762	0.6013	1.0488	2.1933	0.6766	1.423	1.7727	1.3543	1.3332
57	0.9915	0.5597	1.0224	2.1943	0.6728	1.376	1.6883	1.3669	1.2924
57	1.0007	0.5571	0.9846	2.0902	0.6521	1.3257	1.7151	1.3754	1.3286
58	1.083	0.9434	1.9004	1.2902	0.5233	1.1099	0.7529	0.6271	0.9534
58	1.0514	0.9131	1.6745	1.3766	0.4896	1.0955	0.7533	0.6316	0.9707
58	1.0325	0.7542	1.6589	1.3932	0.11	1.0174	0.757	0.6657	0.9426
58	1.0851			1.5463	1.34	0.1759	1.0597	0.6762	0.6368	0.9744
60	1.0656	0.758	1.0162	1.7286	0.9717	1.2403	1.5661	1.0179	1.1619
60	1.1033	0.7346	1.0157	1.731	0.9655	1.2403	1.5688	1.0423	1.1165
60	1.0954	0.788	1.0014	1.7644	0.9999	1.2378	1.6351	1.0414	1.1296
60	1.0726	0.7459	1.0294	1.7557	0.9624	1.216	1.6205	0.9879	1.1445
61	1.0447	0.4488	0.6576	0.9221	0.5924	1.1086	0.7076	0.6632	0.7586
61	1.0521	0.4557	0.8065	0.9379	0.3779	1.1397	0.7203	0.6627	0.7462
61	1.053	0.4455	1.1037	0.9289	0.3771	1.1195	0.6692	0.6815	0.7493
61	1.0548	0.4409	1.1432	0.9421	0.6716	1.2384	0.6853	0.6935	0.7777
62	1.2493	1.0202		1.1221	0.6975	1.163	0.83	0.8524	1.032
62	1.1893	0.9857	1.0675	1.1109	0.4388	1.1338	0.8191	0.3534	1.0193
62	1.223	1.0094	0.9889	1.0906	0.4072	1.0936	0.8316	0.8638	1.0438
62	1.2241	0.9951	0.8968	1.0718	0.1938	1.1042	0.832	0.8584	1.0477
63	1.0608	1.0235	1.2929	1.097	0.915	1.4056	1.0445	0.8739	1.3413
63	1.0571	1.0117	1.2771	1.0939	0.9169	1.3899	1.1001	0.8855	1.3519
63	1.0848	1.0337	1.31	1.1224	0.9159	1.4214	1.1134	0.8529	1.3838
63	1.0623	1.0157	1.2422	1.1078	0.9288	1.4086	1.0977	0.8755	1.317
64	1.0212	0.5795	1.2406	1.0339	0.1136	1.2077	0.5511	0.6908	0.9154
64	1.0301	0.5501	1.1795	1.016		1.2167	0.5565	0.6416	0.93
64	1.0245	0.4237	1.3032	0.9964		1.1045	0.5707	0.6668	0.9812
64	1.0448	0.2714	1.3133	1.0332		1.1604	0.5464	0.7034	0.9494
65	0.8405	0.5503	0.8003	0.8011	0.4854	0.6757	0.6466	0.5605	0.7132
65	0.8997	0.5567	0.9612	0.8193	0.4976	0.7207	0.6498	0.5485	0.6881
65	0.8768	0.5359	0.8314	0.8487	0.5064	0.6934	0.6556	0.5886	0.7061
65	0.8442	0.4924	0.8365	0.8344	0.5029	0.7294	0.6653	0.5581	0.703
66	1.2153	1.3485	1.193	1.1948	0.8813	1.2152	1.3981	0.9119	1.2186
66	1.2466	1.2969	0.9972	1.1867	0.7041	1.2208	1.3647	0.8908	1.1545
66	1.2443	1.3563	1.1557	1.2081	0.7898	1.252	1.3469	0.8851	1.3093
66	1.2257	1.2997	1.1174	1.1553	0.6591	1.1959	1.3356	0.9234	1.2261
69	1.2481	0.2629	0.8897	1.0122	0.2767	0.8195	0.3502	0.3047	0.3101
69	1.2218	0.2609	0.8063	0.9574	0.2735	0.89	0.3391	0.3217	0.3295
69	1.2372	0.2728	0.4425	0.9765	0.2645	0.8517	0.3468	0.3382	0.3141
69	1.2281	0.2731	0.4295	0.9438	0.1833	0.8219	0.3424	0.3175	0.305
70	0.5179		0.8112	0.4978		0.5135	0.2303	0.3055	0.4384
70	0.4774		1.1255	0.4919		0.5055	0.2328	0.3002	0.4579
70	0.5122		0.9513	0.498		0.5211	0.2422	0.2976	0.4705
70	0.4937		1.0243	0.499		0.5017	0.2439	0.2938	0.4725
71	0.1707		4.2402	0.5517		0.6111	0.1363	0.1679	0.3097
71	0.4135		0.6588	0.4492		1.2362	0.1248	0.1633	0.2505
71	0.4183		2.1801	0.5628		0.2701	0.1248	0.1616	0.2657
71	0.4355		1.0403	0.5213		1.2533	0.1384	0.1575	0.253
14-1	1.1512	0.507	4.4037	1.0769	0.5223	0.8596	0.5134	0.6553	0.3064
14-1	1.1834	0.5649	2.4972	1.0088	0.0181	0.9436	0.5508	0.6559	0.5437
14-1	1.1346	0.5078	1.8442	1.1457		0.9718	0.4936	0.5981	0.5522
14-1	1.1612	0.3107	1.9408	1.1135		0.8607	0.438	0.6545	0.2292
14-2	1.299	0.3386	1.4942	1.1179	0.524	0.9355	0.5769	0.6716	0.6139
14-2	1.2779	0.2041	2.4554	1.1237	0.4636	0.9499	0.6395	1.0614	0.6079
14-2	1.3974	0.3669	1.8517	1.1158	0.4645	0.9903	0.5878	0.6273	0.6107
14-2	1.4125	0.4554	1.797	1.1478	0.4281	0.9019	0.499	0.6438	0.6192
14-3	1.4636	0.4136	3.3925	1.0132	0.1656	0.9126	0.5594	0.6001	0.6066
14-3		0.4289	1.638	1.1204	0.1672	0.8484	0.5733	0.6194	0.6091
14-3		0.3941	1.4531	0.9658	0.1421	0.9214	0.5991	0.6024	0.6314
14-3		0.4109	1.5282	1.1146	0.1791	0.8924	0.5471	0.6348	0.6088
14-0	1.0455	0.677	3.3473	2.0431	0.5981	0.7041	0.9635	1.396	0.5836
14-0	1.317	0.547	2.6556	2.1665	0.6966	0.8221	0.3317	0.5828	0.5332
14-0	1.0179	0.5111	1.904	1.7615	0.4943	0.7431	0.1888	0.5708	0.552
14-0	1.1255	0.476	4.2704	3.0243	0.7557	0.7747	0.3106	0.6289	0.5979
56-0	0.3575	0.2751	0.5342	0.8179	0.233	0.4664	1.3946	1.332	0.7585
56-0	0.3617	0.4928	0.4973	0.7992	0.2245	0.4842	1.4199	1.3258	0.7666
56-0	0.3981	0.3528	0.48	0.8769	0.1972	0.4816	1.4788	1.2202	0.7762
56-0	0.3904	0.3234	0.5127	0.8156	0.2263	0.4937	1.4849	1.3405	0.7564
56-1	0.413	0.4265	0.2382	0.8563	1.0078	0.6047	1.4924	2.6045	0.7431

56-1	0.407	0.3806		0.8583	0.9902	0.6132	1.4959	1.4843	0.7699
56-1	0.4005	0.3877	0.6712	0.8755	0.9667	0.6334	1.4902	1.4438	0.7499
56-1	0.4011	0.4141	0.6096	0.8557	0.9763	0.6328	1.4839	1.3831	0.7588
56-2	0.3947	0.3564	0.513	0.8527	0.8767	0.6518	1.4702	1.2682	0.8252
56-2	0.3948	0.3488	0.5615	0.8742	0.9044	0.5674	1.5293	1.3076	0.7948
56-2	0.4009	0.3686	0.5602	0.8703	0.833	0.5814	1.5518	1.3522	0.8029
56-2	0.4032	0.3233	0.5375	0.8275	0.8952	0.5645	1.4224	1.3255	0.7882
K 1	0.5951	0.9642	1.412	0.6013	0.2572	2.2451	0.8911	0.3144	1.3327
K 1	0.5958	0.9399		0.4538	6.7402	1.4832		0.4434	0.5175
K 1	0.5212	0.8846	1.7906	0.5543	0.8401	0.7764	1.144	0.3863	0.438
K 1	0.3244	0.8315		0.5223	4.1647	0.7504	0.6505	0.942	0.4353
K0	0.4339	0.9565		1.2294	0.0385		0.2378		0.3682
K0				0.5496	0.0318	0.5539	0.4457	0.4976	0.3929
K0	1.0025	0.7693		0.4399	0.0379	1.2182	0.6628	0.4501	0.1678
K0	0.7772			0.4656	0.0421	0.6528	0.4155	0.5811	0.3743
K10	0.6826	0.8747	3.1676	0.6382	0.7576	0.9546	0.456	0.5139	0.7477
K10	0.66	0.8731		0.7173	0.7559	0.9469	0.5143	0.535	0.7206
K10	0.7557	0.827	2.5522	0.7089	0.7765	0.8754	0.4524	0.4711	0.767
K10	0.6539	0.8778	2.1592	0.6488	0.78	0.9197	0.4934	0.5059	1.051
K2	0.6601	0.844		0.5447	0.4881	1.6418	0.2917	0.4393	0.3108
K2	0.5289	0.8203		0.5717	0.6204	0.9497	0.3638	0.4318	0.7563
K2	0.5362	0.8108		0.57	0.6421	0.8624	0.4408	0.4221	0.6277
K2	0.5463	0.7597		0.5038	0.5502	2.0235	0.2985	0.4495	0.794
K4	0.5857	1.0744		0.5528	0.8201	0.6664	1.9174	1.4893	0.4854
K4	0.6001	0.7924		0.7927	0.9848	0.5982	0.6843	0.4355	0.5483
K4	0.5581	0.8048	1.0967	0.5398	0.9736	0.7117	0.9766	0.5518	0.5773
K4	0.6497	1.0956	0.502	0.6112	0.8995	0.7846	1.2099	0.4769	0.5345
K6	0.6533	0.9801	0.9415	0.6843	0.7955	0.9524	0.4113	0.4104	0.6292
K6	0.6205	0.8959	0.9173	0.5812	0.7745	0.7986	0.3501	0.4213	0.6576
K6	0.6552	0.8169	3.4859	0.6083	0.7574	0.88	0.3518	0.4133	0.5303
K6	0.8401	0.9428		0.6232	0.8382	0.7311	1.0662	0.5879	0.5952
SP-1							0.2386		
SP-1				0.611		0.4746			
SP-1	0.349			0.6012					
SP-1									
SP-2	0.3928								
SP-2	0.7868			0.5073	0.2512				
SP-2	0.6438								
SP-2	1.066								
SP-3			1.6306						
SP-3									
SP-3			1.6293						
SP-3									

Anhang 7:

Rohdaten der Celegans Toxchip Experimente mit Fluoranthen

	Fluoranthen													
Konz.	0.5 mg/ l						0.1 mg/ l				0.02 mg/ l			
Gene ID	1	1	1	2	3	10	4	5	6	10	7	8	9	10
1	0.4257	0.1803	0.3874	0.6522	0.9301	0.284	0.1566	0.5989	0.3272	0.1631	0.7226	0.2667	0.3902	0.0907
1	0.4112	0.1523	0.4705	0.6286	0.7349	0.345	0.1717	0.6886	0.3282	0.1532	0.8144	0.2695	0.3341	0.1084
1	0.3628	0.1868	0.3908	0.7755	0.6285	0.395	0.2222	0.7015	0.3399	0.1547	0.7458	0.2736	0.3664	0.1048
1	0.446	0.192	0.3998	0.939	0.6207	0.512	0.1778	0.7539	0.3215	0.153	0.8481	0.2411	0.4133	0.0927
2	0.7614	0.3824	0.446	1.085	0.8183	0.517	0.1988	1.2969	0.9766	0.3244	1.5987	0.5173	0.3704	0.138
2	0.836	0.4011	0.4413	0.9812	0.8497	0.559	0.1992	1.3738	0.9975	0.2674	1.6619	0.5244	0.3335	0.1321
2	0.9207	0.4432	0.558	1.3626	0.9149	0.647	0.1954	1.3189	0.9539	0.2749	1.3831	0.5378	0.7031	0.1467
2	1.1635	0.4079	0.6297	1.6905	1.8331	0.679	0.1802	1.4392	0.8453	0.1877	1.6827	0.5022	0.6944	0.253
4	1.0912	0.5648	0.8407	0.7379	0.603	0.821	0.2835	0.6424	0.5841	0.3191	0.9539	0.4717	0.3227	0.3734
4	1.1279	0.5441	0.856	0.6076	0.4654	0.757	0.2226	0.7549	0.576	0.2438	1.1165	0.3534	0.3975	0.4125
4	1.1483	0.5789	0.8519	0.5859	0.4954	0.788	0.2325	0.6873	0.5175	0.2253	1.0467	0.4843	0.4546	0.2476
4	1.5062	0.6586	0.719	0.6806	0.6078	0.853	0.2888	0.8062	0.5518	0.1822	1.2392	0.5348	0.4002	0.2166
5	0.5171	0.2506	0.3846	0.3783	0.4788	0.425	0.1479	0.448	0.249	0.5076	0.8435	0.2041	0.3195	
5	0.3597	0.2849	0.4062	0.4817	0.5542	0.432	0.1559	0.4927	0.3512	0.4815	0.9399	0.2486	0.304	
5	0.442	0.2775	0.5115	0.4345	0.4462	0.441	0.1491	0.435	0.2633	0.4691	0.8786	0.3137	0.3206	
5	0.4512	0.2594	0.5323		0.4903	0.439	0.1529	0.4345	0.2839	0.465	0.8305	0.292	0.3983	
7	2.4582	0.6515	1.7211	0.6501	0.538	1.502	0.2773	0.4506	0.3854	0.422			0.3027	0.1681
7	2.723	0.4496	1.9139	0.6355	0.3846	1.440	0.2502	0.456	0.3657	0.4453	0.4909		0.301	0.1688
7	2.9032	0.4352	2.1878	0.6465	0.4427	1.392	0.2425	0.4664	0.3623	0.4682	0.4029		0.2846	0.1574
7	2.783	0.5225	2.0084	0.7417	0.4857	1.547	0.2582	0.5419	0.4171	0.4714			0.3579	0.1803
8	2.4282	0.9623	2.9634	1.4701		1.348	0.5591	0.9068	0.332	0.6102	0.9304	0.5672	0.4638	0.3028
8	2.286	0.9814	2.5396	1.2171	1.248	1.301	0.4889	0.8234	0.6735	0.5971	1.1034	0.6126	0.5628	0.3023
8	2.4899	0.9595	2.6775	1.5843	1.4281	1.361	0.5125	0.7422	0.6947	0.566	0.9053	0.5894	0.5208	0.2853
8	2.5494	1.0792	2.5948	1.9611	1.5461	1.351	0.5679	0.7642	0.7588	0.5757	0.9784	0.6545	0.637	0.2957
9	9.0522	4.5093	8.511	2.3187	1.6626	2.095	0.7368	0.5733	0.6673	1.3763	1.2161	0.8682	0.8315	0.6493
9	8.5641	4.9871	8.4816	2.9746	1.5301	2.152	0.7197	0.5026	0.6812	1.3465	1.1857	0.8358	0.7867	0.5481
9	9.4883	4.631	8.7709	2.8862	1.3876	2.146	0.7249	0.5903	0.7728	1.3425	1.1513	0.7786	0.7313	0.4958
9	10.2271	4.942	9.2066	1.562	1.4595	2.166	0.8552	0.5797	0.7729	1.3166	1.0566	0.8403	1.8855	0.5188
10	0.5058	0.361	0.6725	0.403	0.2032	0.797	0.7599	0.5363	0.5656	0.6191	0.5847	0.5034	0.3391	0.2902
10	0.4676	0.3945	0.6459	0.476	0.2207	0.958	0.7173	0.5317	0.4577	0.4648	0.7777	0.495	0.3019	0.2775
10	0.477	0.4278	0.8102	0.3249	0.2089	0.902	0.636	0.4767	0.4981	0.431	1.7411	0.5509	0.269	0.2328
10	0.4737	0.4843	0.6353	0.2915	0.2362	0.892	0.6066	0.5563	0.5437	0.4361	0.6274	0.4954	0.3068	0.2806
11	0.6943		0.6314	0.4779	0.5441	0.454				0.1081				0.1789
11	0.8237		0.6217		0.4672	0.426				0.1565				0.2382
11	0.7146		0.6626	0.4468	0.3245	0.365				0.102				0.1312
11	0.8502		0.4997	0.5705	0.5643	0.395				0.1135				0.2102
12	0.6649	0.3157	0.5722		0.2836	0.724	0.1908	0.4466	0.4271	0.156	0.6896			0.2099
12	0.6917	0.2991	0.5534		0.3121	0.964	0.1713	0.3786	0.4818	0.1781	0.565			0.2472
12	0.6852	0.3499	0.6722	0.2215	0.3089	0.818	0.1744	0.5712	0.3747	0.2415	0.7567		0.2157	0.2495
12	0.8697	0.3043	0.7249	0.261	0.3338	1.149	0.1754		0.3384	0.2524	0.705		0.3007	0.2853
13	7.2213	4.1102	6.245	4.5551	3.9761	3.699	1.8725	1.5287	0.9915	2.1584	1.6614	0.6875	0.9506	0.6801
13	6.4879	4.1557	6.3233	4.2702	4.1793	3.817	2.0376	1.5166	1.0771	2.2399	1.6074	0.6478	0.8818	0.7255
13	7.3515	4.2569	6.3305	4.1251	4.249	4.000	1.7011	1.3998	1.1236	2.1589	1.5494	0.6995	0.7478	0.7029
13	7.5365	5.2971	6.0865	3.9906	3.9071	3.797	1.7837	1.4142	1.2071	2.2232	1.6168	0.7739	0.7621	0.7507
14	0.1841	0.1648	0.1905	0.1099	0.1592		3.412	0.456		0.8874	0.4986	0.9777	0.3289	0.4243
14	0.188	0.2045	0.2075	0.1153	0.1657		2.6062	0.299		0.8421	0.6314	0.8319	0.4202	0.4098
14	0.1888	0.2151	0.1951	0.1102	0.1894		2.8136	0.4186	0.2763	0.822	0.8387	0.7466	0.3637	0.3827
14	0.1897	0.1808	0.2091	0.1232	0.1943		2.8718	0.5049	0.3551	0.9207	0.7237	0.8679	0.3869	0.6433
15	0.7988	0.3204	0.5055	0.9843	0.8759	0.432		1.6887	0.3767	0.6509	1.4105	0.4416	0.4722	0.3895
15	0.7415	0.3363	0.4751	1.0455	0.657	0.569		1.3236	0.3778	1.0087	1.0357	0.4061	0.4933	0.7155
15	0.8917	0.4602	0.5039	1.0135	0.7369	0.534	0.1905	1.4181		0.992	1.2452		0.5048	0.6224
15	1.0048	0.32	0.453	0.9138	0.8444	0.418		1.5234	0.4059	0.7532	1.1477		0.5677	0.5551
16	1.182	0.2903				0.603	0.0966	0.4234		0.193				0.0572
16	1.2007	0.2931	0.6299			0.565	0.146	0.3676		0.2226	0.5964			0.0594
16	1.2233	0.3675				0.564	0.1785	0.3883		0.2467	0.6359		0.353	0.0576
16	1.3733	0.3312	0.8305	0.6018	0.3654	0.577	0.2382	0.3895		0.2389	0.5215		0.3638	0.0633
17	1.3377	1.0975	0.5775	1.0994	1.5367	1.308	0.4515	0.6816	0.7419	1.1014	1.7208	0.4347	1.4047	0.7664
17	1.367	1.1356	0.4977	1.06	1.4785	1.291	0.4908	0.7416	0.7762	1.1296	1.6703	0.428	1.0646	0.8088
17	1.2977	1.0165	0.582	1.09	1.5236	1.259	0.348	0.7315	0.7615	1.1489	1.8229	0.4388	0.8974	0.7586
17	1.3417	1.0502	0.5205	1.0835	1.6477	1.275	0.3576	0.7205	0.7812	1.2209	1.5188	0.5903	0.8421	
18	0.5082	0.4288	0.6447	0.4926	0.5097	0.118		1.0162	0.3572	0.0978			0.3242	0.1488
18	0.4936	0.218		0.6543	0.5262	0.121			0.4274	0.1208		0.316		
18	0.5901	0.3799		0.6004	0.5295	0.112	0.2372	0.9536	0.4566	0.0989			0.2478	0.2279
18	0.5886	0.3264		0.8244	0.4457	0.118	0.2316	0.8865	0.5359	0.0814			0.2843	
19	1.468	0.8741	1.1882	0.944	0.9207	1.628	0.2699	0.7869		0.75	1.0051	0.7139	0.622	0.5323
19	1.4148	0.7154	1.2014	0.976	0.8945	1.664	0.209	0.8665		0.8487	0.9396	0.7242	0.6656	0.5344
19	1.5656	0.579	1.2658	0.9912	0.8378	1.655	0.2385	0.8141	0.2895	0.8838	0.6866	0.666	0.6607	0.5439
19	1.5341	0.7498	1.3802	1.0321	0.7205	1.645	0.3148	0.7076	0.2518	0.9509	0.732	0.7409	0.6712	0.5022
20	0.8536	0.4983	0.4266	0.8674	0.6977	0.629	0.2216	1.1426	0.5316	0.5228	1.2343	0.6843	0.6197	0.4099
20	0.8881	0.5101	0.6103	0.8905	0.7432	0.716	0.2452	1.0476	0.4801	0.5291	1.1931	0.6381	0.5599	0.4397
20	0.8021	0.5337	0.7704	0.8203	0.7866	0.634	0.2528	1.1826	0.4611	0.5075	1.2188	0.6576	0.5926	0.4362
20	0.8751	0.5545	0.7162	0.8444	0.8316	0.659	0.2555	0.9858	0.3965	0.5121	1.2752	0.6308	0.66	0.4503
21	0.3873	0.3106		0.3186	0.6884	0.541	0.1337	0.5937		0.3516	0.6766		0.68	0.1213
21	0.4142	0.2807	0.2868	0.3212	0.6166	0.543		0.5062	0.386	0.3536	0.6752		0.5217	0.1057
21	0.3724	0.3249	0.2774	0.3178	0.6606	0.511	0.1541	0.5237	0.3877	0.2888	0.6554		0.641	0.1386
21	0.3301	0.3198	0.3982	0.3341	0.6406	0.507	0.1485	0.5085	0.4405	0.3192	0.6752		0.508	0.1361
22	1.0662	0.9236	0.7649	0.8499	0.7931	0.794	0.8556	0.938	0.8857	0.8287	1.294	0.708	0.5831	0.9002
22	1.3984	0.9324	0.7592	1.1011	0.8127	0.803	0.8505	1.04	0.8511	0.8085	1.051	0.7331	0.6875	0.7976
22	1.3631	0.9986	0.7988	1.1689	0.8575	0.816	0.794	1.0098	0.8456	0.8191	1.1204	0.6481	0.725	0.946
22	1.5267	1.2138	0.9074	0.952	1.1795	0.785	0.9281	0.8859	0.7705	0.7964	1.3952	0.6779	0.7075	0.796
23	0.1874	0.191	0.1627	0.4447	0.3927	2.794	0.5934			0.586				0.1366
23	0.198	0.1767	0.2076	0.3913	0.4474	2.115	0.535			0.5239				0.115
23	0.1856	0.1817	0.1816	0.3963	0.4411	1.856	0.5363	0.5696		0.4916				0.0939
23	0.1691	0.2032	0.1793	0.4598	0.4359	1.726	0.5012	0.4548		0.3877	0.4946	0.5836		0.0912
24	0.3823	0.3845	0.3883	0.5755	0.4648	0.401	0.1323	0.4818	0.3133	0.5291	0.7486	0.4608		0.6038
24	0.3959	0.3584	0.3911	0.4117	0.8787	0.404	0.1385	0.417	0.3163	0.5236	0.8829	0.5464		0.6191
24	0.4116	0.3862	0.4766	0.3549		0.396	0.1368	0.3831	0.3512	0.5029	0.869	0.5176		0.5947

24	0.443	0.3747	0.4604	0.447	0.7177	0.399	0.1278	0.3942	0.3449	0.5182	0.8881	0.5908	0.5028	0.5861
25	0.467	0.4768	0.4611	0.2639	0.2498	0.705	0.447	0.3764	0.3227	0.8561	0.8329	0.858	0.3382	0.546
25	0.4901	0.4744	0.46	0.2212	0.2683	0.678	0.3985	0.38	0.3263	0.6539	0.7678	0.9073	0.3156	0.5133
25	0.5039	0.5361	0.4727	0.2403	0.2965	0.657	0.4109	0.2847	0.3374	0.5482	0.7935	0.9702	0.3416	0.4852
25	0.4828	0.5051	0.4722	0.2206	0.2703	0.656	0.4113	0.4092	0.2962	0.5332	0.7374	1.0717	0.322	0.4742
26	1.6639	0.3916	1.9562		0.5272		0.3459	0.5375	0.3939	0.1544	0.9224	0.3495	0.1967	0.0609
26	1.7276	0.4656	2.3803		0.5503	0.250	0.3331	0.4245	0.4053	0.16	0.6492	0.4008	0.1804	0.0576
26	1.5034	0.9821	1.4901	0.4975	0.6172	0.478	0.3173	0.4607	0.3891	0.1656	1.2863		0.1794	0.0513
26	1.6979	0.471	1.108	0.4198	0.5095	0.008	0.3448	0.6475	0.355	0.1757	1.0677	0.3846		0.0519
27	1.1352	0.4161	1.1918	1.6355	1.195	1.616	0.4012	0.7559	0.4687	0.5699	0.7925	0.4199	0.3669	0.5373
27	1.4109	0.3528	1.1816	1.6889	1.1362	1.862	0.221	0.7181	0.4611	0.5359	0.8935	0.3968	0.4204	0.3671
27	1.3199	0.3369	1.1362	1.9087	1.1757	2.051	0.3401	0.7781	0.5956	0.5317	0.7559	0.4286	0.4091	0.3423
27	1.3763	0.2506	1.3253	1.7668	1.3844	1.985	0.283	0.7842	0.543	0.5449	0.7682	0.4005	0.5103	0.3146
28	1.7774	0.5766	0.7006	0.3711	0.3168	1.331	0.4321	0.4745	0.383	0.2963	0.8705	0.2813	0.1788	0.1069
28	1.8633	0.6111	0.7825	0.3216	0.3021	1.221	0.4775	0.5545	0.3418	0.2364	1.0521	0.2977	0.217	0.1155
28	2.1619	0.6088	0.8889	0.3707	0.3345	1.707	0.4775	0.5033	0.3429	0.2814	0.6238	0.3323	0.2121	0.1018
28	2.2318	0.6952	1.0206	0.465	0.3795	1.764	0.5607	0.5878	0.2805	0.2659	0.8429	0.3746	0.2181	0.1517
29	1.6779	1.1384	2.3682	1.1052	1.5314	1.758	0.5177	0.6983	0.8411	1.1068	0.8518	0.7533	0.7541	0.7338
29	1.6221	1.3251	2.4811	1.0624	1.377	1.615	0.4802	0.6644	0.6475	1.0161	1.007	0.7823	0.4699	0.6198
29	1.5496	1.4735	2.1891	1.1228	1.3164	1.608	0.4507	0.7449	0.7717	0.8737	0.962	0.7482	0.5659	0.5628
29	1.6441	1.5371	2.0062	1.0346	1.3439	1.621	0.4712	0.8241	0.7601	0.8804	1.016	0.8384	0.4568	0.5362
30		0.149	0.2734			0.328	0.1208	0.3213		0.1465				0.0709
30		0.147	0.207			0.270		0.2655		0.1162				0.0832
30		0.1619	0.3432			0.240	0.1198		0.2102	0.1013				0.0923
30		0.1549	0.2908			0.327	0.1442		0.2065	0.0953				0.0825
31	2.3025	1.5514	1.9072	4.73	5.1322	1.336	0.5568	1.0342	0.4297	1.1654	1.3951	0.1974	0.6824	0.9594
31	2.3263	1.3906	1.9488	4.711	5.0098	1.348	0.4927	1.0588	0.409	1.1964	1.4009	0.252	0.8598	1.0464
31	2.4487	1.8544	2.0581	4.6996	3.869	1.355	0.4442	1.0421	0.3339	1.3068	1.4098	0.1664	0.8151	1.0002
31	2.5294	1.2766	2.0646	5.1425	6.3676	1.407	0.4965	1.0677	0.3819	1.3795	1.4829	0.2198	0.8098	1.0817
32	1.1518	0.4648	1.2801	0.8921	0.7996	1.348	0.4874	0.5914	0.5145	1.0413	0.8685	0.6867	0.7643	0.5368
32	1.1664	0.4628	1.2963	0.8708	0.7782	1.403	0.4071	0.6346	0.4398	1.0345	0.8333	0.673	0.6782	0.5696
32	1.2388	0.4941	1.3193	0.8241	0.719	1.333	0.4096	0.593	0.481	1.0773	0.8424	0.6738	0.7508	0.534
32	1.2662	0.4937	1.3275	0.9037	0.8066	1.452	0.412	0.6471	0.4433	1.154	0.9297	0.6555	0.7023	0.5528
33	1.378	0.9604	1.4589	1.4565	1.5114	0.997	1.0508	1.0076	0.944	0.9992	0.9801	0.6376	0.9864	1.0063
33	1.3596	1.018	1.5199	1.5329	1.4438	1.000	0.8178	1.0005	0.9849	0.9919	1.0263	1.0217	1.0844	0.9837
33	1.307	1.0008	1.4759	1.4807	1.3722	1.008	1.0722	0.9888	1.0613	1.0125	1.0156	1.0942	0.8494	0.9918
33	1.3505	1.0161	1.5285	1.439	1.3563	0.996	1.0404	1.0013	0.9956	0.997	0.9828	1.1499	1.1466	1.0136
34	0.3376	0.3315	0.5767	0.3587	0.5677	2.708	0.4162	0.7938	0.4814	0.2695	1.1663	0.4691	0.3013	0.3225
34	0.3078	0.3503	0.6921	0.4291	0.5472	2.975	0.4267	0.8304	0.4366	0.2144	1.0605	0.3924	0.3524	0.2343
34	0.3264	0.3702	0.6315	0.4456	0.552	3.233	0.5581	0.9516	0.4684	0.1861	0.9943	0.4628	0.2679	0.2613
34	0.3053	0.4376	0.6407	0.4521	0.519	3.367	0.4717	0.9431	0.4277	0.1889	1.3662	0.4124	0.3016	0.2702
35	0.2542	0.189	0.2637	0.4909	0.4363	0.639	0.1204	1.0129	0.4573	0.3899	1.627	0.3638	0.4405	0.3397
35	0.2728	0.2078	0.2311	0.5139	0.3829	0.578	0.1625	1.0314	0.4025	0.4928	1.6181		0.4356	0.3331
35	0.2625	0.1999	0.2009	0.5178	0.3932	0.706	0.1715	1.0454	0.4188	0.5665	1.6121	0.4401	0.4195	0.3061
35	0.2483	0.1832	0.199	0.5583	0.5077	0.639	0.1924	1.1349	0.3915	0.6086	1.5855		0.6006	0.3131
36	0.3666	0.147	0.2057	0.84	0.6044	0.927	0.1868	1.0617	0.6427	0.9626	1.5843	0.7599	0.5274	0.6773
36	0.3806	0.2542		0.9327	0.652	1.060	0.185	1.0198	0.6489	1.0376	1.5544	0.763	0.4901	0.8421
36	0.4005	0.1019		0.7744	0.7	0.936	0.1849	1.1171	0.5441	1.0378	1.6725	0.7634	0.509	0.7034
36	0.3409	0.1756	0.1405	0.86	0.6608	0.921	0.2062	1.0417	0.5038	1.1937	1.628	0.7968	0.5661	0.784
37	0.663	0.4148	0.28	0.5359	0.5777	1.314	1.4468	1.1504	0.782	0.9647	1.5436	0.6271	0.9257	0.893
37	0.7191	0.398	0.296	0.56	0.5466	1.326	1.3691	1.1784	0.8363	1.0271	1.5332	0.6908	0.758	0.8905
37	0.6719	0.4117	0.2952	0.5509	0.5462	1.308	1.3181	1.1604	0.7955	1.0267	1.4968	0.702	0.7967	0.9035
37	0.6461	0.4293	0.2928	0.5713	0.5345	1.316	1.3482	1.1261	0.8094	1.0304	1.4352	0.7091	1.1176	0.8933
38	0.4947	0.5933	0.5484	0.924	1.1655	0.541	0.2739	2.0792	1.1311	0.3486	1.5092	0.4802	0.4537	1.0809
38	0.5318	0.5726	0.5318	0.9344	1.1555	0.493	0.256	2.2877	0.9312	0.3039	1.542	0.4766	0.4991	0.6866
38	0.5333	0.3994	0.5166	0.9837	1.1437	0.494	0.2875	1.721	1.0066	0.2615	1.5704	0.5121	0.6101	0.4389
38	0.6122	0.5649	0.6584	1.0694	1.1989	0.435	0.2919	2.1919	0.8956	0.2081	1.72	0.4444	0.4316	0.4028
39	1.3189	0.5254	0.5457	1.7815	1.3348	2.276	0.3151	1.1582	0.4074	0.812	0.7277		0.6427	0.347
39	1.2007	0.4754	0.7465	1.2161	1.3136	2.008	0.3292	1.2224	0.3532	0.6377	0.7491	0.5652	0.5337	0.3002
39	1.364	0.4605	0.7346	1.2029	1.4008	1.918	0.2852	1.3742	0.3449	0.6441	1.0338		0.4395	0.2605
39	1.4521	0.6397	0.982	1.1847	1.4006	2.164	0.3013	1.4385	0.3613	0.6165	0.6461	0.5548	0.5524	0.2521
41	0.4643	0.4885	0.6103	0.1488	0.2044	1.449	0.2352	0.5548	0.6336	0.6123	0.532	1.1717	0.4975	0.5226
41	0.4629	0.4897	0.6153	0.1376	0.161	1.442	0.2667	0.5751	0.6173	0.5323	0.4816	1.0932	0.3961	0.4757
41	0.4592	0.5079	0.5076	0.1209	0.1568	1.381	0.2829	0.6671	0.547	0.4745	0.5463	1.0345	0.5323	0.4746
41	0.5093	0.5567	0.5147	0.1386	0.132	1.412	0.2782	0.739	0.4848	0.4427	0.5339	1.0495	0.536	0.4641
42	0.7124	0.4914	0.6138	0.2188	0.2062	1.259	0.5237		0.4037	0.8277		0.5893	0.4471	0.6866
42	0.7492	0.5124	0.6954	0.2361	0.2168	1.298	0.6355		0.4384	0.9207		1.7784	0.4174	0.9743
42	0.6877	0.5114	0.6897	0.2324	0.2224	1.221	0.6654		0.342	0.7592		1.5426	0.483	0.8677
42	0.723	0.5374	0.6363	0.2281	0.2293	1.308	0.7449		0.5094	0.8383		1.7548	0.3935	0.8713
43	0.1666	0.1917		0.3501	0.5937	0.871	0.2849	0.5317	0.3401	0.5067	1.0503	0.2556	0.3688	0.283
43		0.2216	0.4178	0.3299	0.5557	0.900	0.2537	0.5593	0.4088	0.5155	1.0709	0.2485	0.3233	0.265
43	0.1581	0.2191	0.2485	0.3407	0.6111	1.001	0.2473	0.534	0.4497	0.5751	0.9407	0.2873	0.3255	0.2571
43	0.2762	0.2384	0.1719	0.4378	0.4218	1.232	0.2517	0.5484	0.4379	0.5604	1.2009	0.2365	0.3263	0.2721
44	0.528	0.2305	0.4557	0.7256	0.6446	0.838	0.2294	0.7285	0.389	0.2683	1.231	0.7028	0.4017	0.1999
44	0.5702	0.234	0.6728	0.7764	0.5109	0.965	0.1847	0.8829	0.3676	0.2764	0.8386	0.5468	0.4627	0.2201
44	0.5581	0.2402	0.4819	0.8946	0.5842	1.083	0.2403	0.9069	0.4302	0.2622	0.7314	0.6124	0.4323	0.2189
44	0.5877	0.2248	0.5101	1.019	0.6823	1.059	0.2315	0.8508	0.4198	0.2569	0.8498	0.5859	0.3144	0.2101
45	1.2751	0.8821	0.939	0.8449	1.181	0.270	0.0271	0.9048	0.7368	0.488	1.9618	0.5805	1.11	0.7309
45	1.0828	0.919	0.9595	0.7792	1.2085	0.273	0.0384	0.9004	0.6875	0.4812	1.2755	0.3958	1.2349	0.7271
45	1.6014	0.9551	0.9243	0.8484	1.5647	0.277		0.9909	0.6967	0.4899	1.2025	0.8092	1.0436	0.7313
45		0.9411	0.9362	1.1402	1.3471	0.269		0.9245	0.707	0.4922	1.6985	0.4719	1.1245	0.7163
46	1.2354	0.6599	0.9506	0.6289	1.0818	0.849	0.4776	1.232	0.6058	0.5931	1.1703	0.9685	0.5347	0.4672
46	1.2512	0.7562	1.0384	0.7022	0.6722	1.000	0.5349	1.1925	0.6583	0.5378	1.1022	0.7962	0.4885	0.424
46	1.3725	0.7308	0.7932	0.656	0.611	0.976	0.4473	1.1639	0.6799	0.4562	1.0554	0.9461	0.5168	0.3778
46	1.4171	0.7535	0.7747	0.6723	0.7951	0.967	0.4479	1.1302	0.7419	0.4153	0.9614	0.9821	0.5431	0.4051
47	0.8563	0.7056	0.7332	0.4977	0.7479	0.830	1.0749	1.3333	0.6241	0.8391	2.1949	0.9575	0.4564	
47	0.7816	0.7777	0.9868	0.7077	0.8577	0.843	1.1478	1.2551	0.551	0.8233	1.7933	1.0386	0.4854	
47	0.8892	0.734	0.7299	0.7633	0.8	0.822	1.1053	1.4684	0.9002	0.8415	2.1775	1.0489	0.5582	
47	0.8873	0.7275	0.8595		0.8392	0.826	1.0253	1.0935	0.7838	0.8099	2.2955		0.9696	
49	0.9095	0.4804	0.7452	0.6474	0.6172	0.764	0.8377	0.9977	0.3516	0.7811	1.6121	0.6924	0.7227	0.8505
49	0.9407	0.4933	0.6702	0.6699	0.5659	0.763	0.8149	0.9443	0.3959	0.781	1.5324	0.5076	0.8149	0.8678
49	0.9555	0.5209	0.751	0.6563	0.5593	0.764	0.8603	0.9379	0.4583	0.7754	1.5723	0.4674	0.7423	0.867
49	0.8508	0.5079	0.7216	0.6584	0.5769	0.761	0.8043	0.997	0.4427	0.7965	1.6204	0.3765	0.7938	0.859
50	0.8276	0.5425	0.8172	1.296	1.1255	0.641	0.3189	1.2341	0.622	0.6161	1.2037	0.5634	0.6341	0.5685
50	0.849	0.5473	0.9023	1.1927	1.0595	0.642	0.3153	1.2559	0.5771	0.6362	1.2021	0.5404	0.6899	0.5764

50	0.9084	0.5955	0.8622	1.346	1.002	0.633	0.2867	1.2928	0.5523	0.6712	0.9019	0.5817	0.723	0.5886
50	0.9671	0.6337	0.8587	1.2986	1.0478	0.651	0.2954	1.4061	0.5751	0.6915	1.1767	0.6	0.7672	0.6108
51	1.6389	0.9406	1.3986	2.1612	3.4214	1.003	0.4609	0.7341	0.6358	0.8215	1.192	0.5729	0.6228	0.6607
51	1.5428	0.9158	1.3342	2.0513	3.8117	0.959	0.3265	0.7313	0.6074	0.8065	1.1574	0.557	0.719	0.6027
51	1.9704	0.9027	1.472	1.9633	2.8596	0.993	0.3238	0.6842	0.626	0.8438	1.1553	0.4389	0.5842	0.6181
51	1.6081	1.0077	1.6623	1.9352	3.6958	0.986	0.3535	0.7437	0.633	0.8648	1.217	0.3189	0.7163	0.6351
52	0.8499	0.6835	0.9748	1.1485	1.9031	0.726	0.4264	0.8776	0.6753	0.7752	1.4012	0.2209	0.5223	0.6091
52	0.8613	0.6751	1.0693	1.1368	1.9476	0.665	0.4695	0.8537	0.6826	0.753	1.3862	0.2299	0.5048	0.5734
52	1.0075	0.7745	1.0659	1.5264	1.8917	0.700	0.5951	0.841	0.6819	0.7271	1.4679	0.2046	0.5511	0.5837
52	0.8749	0.7203	1.1399	1.5107	1.937	0.639	0.4151	0.8597	0.6827	0.719	1.3641	0.31	0.5695	0.6086
53	0.2756	0.1922	0.1931	0.6972	0.6231	1.783	0.3097	1.3381	0.328	1.2223	3.2875	0.7543	0.6945	0.9326
53	0.2369	0.1741	0.3218	0.6983	0.5471	1.923	0.2128	1.1509	0.3734	1.2509	2.7903	0.6251	0.5602	0.9217
53	0.259	0.192	0.2464	0.6816	0.5606	1.831	0.2604	1.2599	0.4468	1.1987	2.2958	0.6166	0.6848	0.9442
53	0.2517	0.1363	0.2024	0.7299	0.4412	1.822	0.3547	1.3467	0.3824	1.2521	2.0149	0.64	0.7339	0.8895
54	0.6172	0.3612	0.4535	0.7086	0.5599	1.006	0.2602	1.0342	0.4024	0.7872	0.9557	0.6417	0.5726	0.6836
54	0.6518	0.3625	0.4078	0.7002	0.5596	1.246	0.272	1.0296	0.4222	0.7901	1.0587	0.6347	0.521	0.6487
54	0.6298	0.367	0.4265	0.7224	0.5411	1.064	0.2664	1.082	0.3733	0.8305	0.9735	0.6032	0.5151	0.6942
54	0.7043	0.3468	0.459	0.7376	0.56	1.023	0.3441	1.1342	0.4052	0.8905	0.9419	0.5695	0.6623	0.6842
55	0.7755	0.6003	0.3168	2.2886	2.7286	2.039	1.3259	1.3555	0.6577	1.3828	1.0608	1.412	0.8282	1.071
55	0.8123	0.6107	0.3122	2.3163	2.8872	2.014	1.183	1.323	0.6718	1.3646	1.1154	1.4404	0.8067	1.1094
55	0.7424	0.6604	0.3281	2.5173	2.9406	2.036	1.3092	1.2931	0.6729	1.3454	1.1129	1.4518	0.8194	1.1168
55	0.7087	0.6666	0.3525	2.5207	3.1524	1.935	1.3166	1.3064	0.6274	1.337	1.1041	1.4927	0.873	1.1403
56	0.6386	0.5541	0.4366	0.1564	0.4062	0.291	0.0384	0.6714	0.4183	0.2162	0.858	0.3534	0.5035	0.2402
56	0.686	0.5121	0.413	0.1548	0.2794	0.296	0.0364	0.6864	0.3926	0.2139	0.8731	0.3995	0.5265	0.2351
56	0.6926	0.5301	0.5462	0.1535	0.3331	0.299	0.042	0.6842	0.4867	0.2227	0.9937	0.5866	0.4332	0.2298
56	0.7204	0.678	0.5228	0.162	0.3259	0.292	0.0418	0.6576	0.4004	0.2116	0.9129	0.4967	0.6214	0.2295
57	1.0872	0.7064	0.9638	0.2691	0.145	0.269	0.0308	0.6793	0.3318	0.5742	1.1041	0.8817	0.3783	0.7129
57	1.0317	0.682	0.9491	0.2724	0.2088	0.268	0.0323	0.6074	0.3937	0.5698	1.1607	0.8693	0.4285	0.7269
57	1.0572	0.6958	0.9593	0.2772	0.2204	0.269	0.0297	0.7153	0.329	0.5664	1.1498	0.8646	0.4605	0.7397
57	1.0639	0.7178	0.8943	0.2839	0.204	0.269	0.0325	0.6771	0.3909	0.5766	1.1945	0.8443	0.5707	0.7461
58	0.316	0.1562	0.2538	0.5471	0.3151	0.715	0.1642	0.3261	0.3178	0.3985	0.7419	0.5006		0.4521
58	0.2799	0.1644	0.3234	0.6727	0.3319	0.724	0.1579	0.2826	0.2737	0.38	0.7312	0.3573		0.4594
58	0.2724	0.1443	0.3066	0.4566	0.3652	0.749	0.1431	0.338	0.2559	0.3895	0.7261	0.3755	0.3204	0.4268
58	0.3235	0.1398	0.3746	0.5565	0.4474	0.836	0.1431	0.2804	0.2423	0.3838	0.6063	0.3698	0.3984	0.4508
60	1.0108	0.9967	1.4517	1.3682	1.328	0.274	0.0342	1.049	0.631	0.5127	0.9791	0.6598	0.9885	0.7307
60	1.692	1.0569	1.3826	1.2717	1.1933	0.275	0.0302	0.5999	0.5998	0.5045	1.0663	0.6661	1.056	0.7331
60	1.0995	1.0278	1.528	1.3012	1.0201	0.274	0.0299	0.5968	0.7003	0.4919	1.208	0.6839	1.1704	0.7355
60	1.4521	0.9906	1.4174	0.7339	1.3024	0.270	0.0292	0.5576	0.7598	0.499	0.9714	0.7045	0.9289	0.7369
61	0.5549	0.3947	0.4969	0.2037	0.2493	0.865	1.0542	0.3533	0.2701	0.7731	0.8147	0.794	0.3602	0.6055
61	0.5346	0.4126	0.5338	0.1981	0.2779	0.896	1.1638	0.3812	0.278	0.7581	0.7405	0.8191	0.377	0.6325
61	0.5293	0.4164	0.5983	0.2148	0.2822	0.897	1.0679	0.3673	0.3376	0.7801	0.9364	0.8722	0.4016	0.6163
61	0.573	0.4192	0.6856	0.2397	0.2921	0.896	1.0284	0.4017	0.2976	0.745	0.8694	0.8992	0.5729	0.6321
62	1.0892	0.6324	0.7971	0.5285	0.4429	0.811	0.635	0.9556	0.4076	0.7211	1.1829	0.6346	0.7586	0.6461
62	1.05	0.5989	0.8273	0.5573	0.4385	0.818	0.4693	0.9485	0.3654	0.7315	1.14	0.7136	0.8201	0.665
62	1.1011	0.5343	0.8171	0.6021	0.3945	0.816	0.4358	0.8824	0.3966	0.7526	1.2043	0.627	0.7016	0.6734
62	1.1159	0.6369	0.8387	0.59	0.6573	0.822	0.4359	0.9291	0.3846	0.7656	1.2036	0.7762	0.6587	0.6781
63	1.3456	0.2788	1.3005	1.0745	1.0541	0.984	1.2273	1.4821	1.219	0.9037	1.5028	0.6016	0.8636	0.8967
63	1.3185	0.9282	1.2866	1.099	1.094	0.981	1.1386	1.4681	0.8824	0.9041	1.5261	0.5955	0.9695	0.882
63	1.3885	1.0015	1.2382	1.1202	1.041	0.980	1.1666	1.5256	0.8225	0.8959	1.4773	0.6765	0.9581	0.8801
63	1.411	1.0521	1.2936	1.1257	1.0492	0.989	1.1096	1.5332	0.8571	0.9016	1.6322	1.2825	1.0356	0.8938
64	0.9752	0.5646	0.8867	1.0686	1.1107	1.030	0.4161	0.6245	0.3855	0.5764	0.789	0.6272	0.6432	0.3764
64	0.9231	0.5011	0.8888	1.1158	1.0852	1.006	0.3916	0.5914	0.424	0.6014	0.8746	0.7129	0.5292	0.3849
64	0.898	0.513	0.8817	0.9713	1.077	1.021	0.3819	0.6487	0.3927	0.6194	0.8257	0.7268	0.4714	0.4206
64	0.898	0.5305	0.9655	1.0411	1.1309	1.010	0.4132	0.6339	0.4865	0.656	0.8493	0.785	0.4409	0.4419
65	1.6259	1.6391	1.7023	0.9273	1.0021	1.016	0.9169	1.471	0.521	0.6491	0.8884	0.3546	0.5309	0.5923
65	1.7257	1.5659	1.554	0.8662	1.0551	1.020	0.8982	1.4861	0.6283	0.6118	0.7831	0.3015	0.5678	0.575
65	1.9112	1.5406	1.7074	1.0038	1.2324	1.026	1.5218	1.5472	0.6521	0.5927	0.8313	0.2697	0.4701	0.541
65	1.7288	1.7958	1.9058	1.1073	1.0844	1.019	1.2952	1.5837	0.8019	0.5653	0.8507	0.3336	0.658	0.5802
66	1.1669	0.9853	0.7364	1.0992	1.4346	1.259	0.7246	1.8559	0.6095	1.0327	4.1036	0.3519	1.0112	1.197
66	1.1705	0.8393	0.768	1.1445	1.0058	1.249	0.7701	1.7348	0.5899	1.0299	3.7005	0.363	0.94	1.1741
66	1.1576	0.9692	0.8042	1.103	0.99	1.239	0.8499	1.6975	0.5623	1.0336	1.4695	0.3205	0.9516	1.1836
66	1.2259	0.9866	1.1718	1.1045	0.6605	1.241	0.8122	1.8934	0.5663	1.0471	1.3393	0.3088	0.9688	1.1851
69	0.2323	0.2635	0.1549	0.5588	0.4884	1.676		1.0462	0.4951	1.0116	1.4031	0.7349	0.4581	0.8271
69	0.2283	0.1857	0.1523	0.5396	0.4926	1.684	0.1983	1.1333	0.4717	0.9639	1.3899	0.7443	0.4749	0.8006
69	0.2619	0.1581	0.1569	0.5234	0.4918	0.997	0.2018	1.1119	0.4672	0.9647	1.4053	0.7345	0.4343	0.794
69	0.2447	0.1602	0.1923	0.5025	0.4936	1.631	0.2207	1.1789	0.4274	1.0357	1.4041	0.7215	0.5312	0.81
70	0.6225	0.5751	0.3617	1.1012	0.7587	1.253	0.5522	0.6672	0.4819	0.719	0.7422	0.8188	0.6105	0.0937
70	0.7101	0.4215	0.2411	1.0225	0.873	1.371	0.5203	0.7044	0.4632	0.6566	0.6593	0.8329	0.587	0.144
70	0.6839	0.4358	0.3164	1.0758	0.9367	1.274	0.5092	0.6491	0.4619	0.59	0.6525	0.8036	0.5712	0.2173
70	0.5976	0.4748	0.3348	1.0463	0.8731	1.159	0.5485	0.6426	0.4708	0.6342	0.7187	0.8269	0.5274	0.2142
71	0.5055	0.2472	0.4892	0.5432	0.2303	0.246	0.3447		0.4928	0.0442				
71	0.4145	0.3304		0.5839	0.2324		0.3709		0.4175	0.0467				
71	0.4088	0.3265	0.4712	0.5784	0.2404		0.305		0.3982	0.0517				
71	0.3639	0.4102	0.8158	0.5648	0.2589	0.119	0.3035		0.4139	0.0513			0.2258	
14-0	0.2303	0.0989	0.1628	0.1076	0.1219	0.843	1.8978			0.838				0.6453
14-0	0.2256	0.0965	0.1765	0.115	0.1341	0.838	1.631			0.8762				1.0852
14-0	0.2308	0.1085	0.1836	0.1642	0.128	0.850	2.0238			0.9039				0.9818
14-0	0.1884	0.0946	0.1699	0.131	0.1308	0.848	1.8805			1.0735				0.5743
14-1	0.2208	0.1247	0.1293	0.1542	0.1753	5.342	3.1324	0.4872		1.2966			0.7398	0.6801
14-1	0.2692	0.1164	0.1458	0.1428	0.1693	4.013	2.8599			1.1517			0.6583	0.6655
14-1	0.2278	0.1279	0.1315	0.1282	0.1589	3.865	2.4514			1.0961		1.2677	0.5354	0.5926
14-1	0.2281	0.1217	0.1305	0.1239	0.1791	3.674	2.8813			1.2244		1.3402	0.5647	0.6361
14-2	0.3475	0.2154	0.2584	0.3091	0.5702	3.491	2.597	0.5501	0.3648	1.1241	0.8609	0.7455	0.7582	0.4451
14-2	0.3553	0.2014	0.2878	0.3483	0.63	3.405	2.4158	0.4953	0.3443	1.138	0.8276	0.7186	0.772	0.4675
14-2	0.3459	0.184	0.2813	0.3591	0.5632	3.492	2.1565	0.4643	0.3337	1.0814	0.8645	0.742	0.8284	0.5089
14-2	0.3533	0.1855	0.276	0.3493	0.4987	3.192	2.5627	0.5347	0.3193	1.1576	0.8741	0.6493	0.767	0.5274
14-4	0.2717	0.2282	0.2136	0.268	0.2833	3.348	1.6542	0.5393	0.2917	1.0392	0.8872	0.4989	0.6304	0.3482
14-4	0.302	0.2233	0.2218	0.2847	0.2888	3.446	1.4415	0.4882	0.3243	0.9779	0.8447	0.4301	0.5071	0.3211
14-4	0.2937	0.2074	0.2378	0.2739	0.2944	3.670	1.479	0.4778		1.2647	0.848	0.5326	0.534	0.3305
14-4	0.2582	0.1988	0.2155	0.2797	0.2388	3.882	1.5153	0.4285	0.2841	1.189	0.9412	0.4352	0.5014	0.3471
56-0	0.4515	0.4091	0.4221	0.1214	0.1175	0.304	0.0224	0.5586	0.1736	0.2111	0.8703	0.278	0.392	0.2286
56-0	0.4749	0.393	0.4459	0.1328	0.1156	0.304	0.0296	0.5796	0.1832	0.2102	0.7855	0.3318	0.3986	0.2352
56-0	0.5071	0.5958	0.352	0.1207	0.1262	0.309	0.028	0.5669	0.1709	0.214	0.7411	0.3208	0.374	0.2481
56-0	0.5072	0.4135	0.457	0.1432	0.1205	0.302	0.026	0.5504		0.2161	0.7753	0.26	0.4263	0.2433
56-1	0.6483	0.4603	0.6149	0.1408	0.1571	0.300	0.0271	0.5014	0.2072	0.218	0.8221	0.4257	0.4983	0.2585

56-1	0.6493	0.4209	0.5905	0.1231	0.1772	0.286	0.0281	0.5146	0.1944	0.2111	0.8115	0.4351	0.5534	0.2533
56-1	0.6328	0.4955	0.6027	0.1121	0.178	0.285	0.0267	0.4964	0.1924	0.2169	0.7957	0.4274	0.4759	0.2584
56-1	0.6686	0.4785	0.5497	0.1191	0.1574	0.293	0.0286	0.4922	0.1996	0.2182	0.7282	0.418	0.4558	0.2547
56-2	0.4147	0.4933	0.6078	0.1632	0.1429	0.305	0.0523	0.5833	0.2232	0.2263	0.7393	0.6662	0.7174	0.2589
56-2	0.4335	0.4757	0.5403	0.1769	0.2009	0.306	0.0256	0.5693	0.2071	0.2236	0.7626	0.764	0.7374	0.2563
56-2	0.5195	0.455	0.6352	0.1671	0.1527	0.301	0.0443	0.5652	0.2578	0.2275	0.7361	0.6702	0.7739	0.2434
56-2	0.4039	0.4593	0.5627	0.1846	0.2428	0.303	0.0424	0.5965	0.3212	0.2234	0.6947	0.6661	0.6541	0.2547
K 1		0.2108				0.184	0.164			0.1164	0.6845			0.0843
K 1		0.216				0.211	0.121			0.1078	0.6259			0.0744
K 1		0.2278				0.247	0.1246			0.1206	0.5551			0.0619
K 1		0.2285				0.238				0.1331	0.6865			0.0683
K0		0.3859				0.224	0.0849			0.097				0.0732
K0	0.7144	0.5078				0.128	0.0751			0.1145				0.0892
K0	0.7556	0.3802				0.195	0.0535			0.1531				0.0892
K0		0.3837				0.257	0.0636			0.1029				0.1058
K10	0.7635	0.624	0.6491	1.1995	1.4104	0.283	0.4474	1.1625	0.5802	0.2684	1.7456	0.8477	0.8219	0.2012
K10	0.5738	0.5967	0.5767	1.1539	1.5024	0.276	0.4906	1.1444	0.4956	0.3023	1.8955	0.7773	0.5736	0.2048
K10	0.7831	0.5796	0.6181	1.0498	1.3512	0.291	0.4556	1.3133	0.4878	0.2722	1.9001	0.8444	0.5842	0.2062
K10	0.7364	0.6601	0.649	1.0092	1.3649	0.295	0.4572	1.2291	0.5383	0.32	1.7426	0.8834	0.5373	0.1973
K2	0.5813	0.2337	0.3067		0.8114	0.241	0.0725	0.3872		0.2725	0.7983			0.0957
K2	0.5783	0.2397	0.3321	0.4155	0.9114	0.144	0.0714	0.3464		0.1667	0.785			0.0932
K2	0.5611	0.2068	0.3855	0.4996	0.7424	0.193	0.0758	0.3672		0.3364	0.6936			0.0902
K2	0.6888		0.4488			0.168	0.0883			0.1627	0.5726			0.091
K4	0.5183	0.3608	0.4163	0.6659	0.8439	0.182	0.2915	0.5654		0.1797	1.0114	0.5432	0.2911	0.0817
K4	0.5459	0.3684	0.3422	0.5809	0.7449	0.176	0.2857	0.4674		0.209	1.0673	0.4874	0.354	0.0748
K4	0.6852	0.4237	0.8186	0.6168	0.863	0.135	0.2374	0.461	0.4089	0.1669	0.9823	0.5574	0.3447	0.077
K4	0.5381	0.3826	0.6506	0.5773	0.8288		0.2321	0.5116	0.3978	0.1465	1.059	0.5118	0.4207	0.0747
K6	0.6481	0.4584	0.4936	0.6338	1.0004	0.195	0.2956	0.4931	0.4737	0.2476	1.1003	0.6331	0.3909	0.1256
K6	0.6257	0.5058	0.5008	0.6701	1.086	0.168	0.2853	0.586	0.4404	0.2705	1.1138	0.5978	0.4166	0.124
K6	0.5799	0.5249	0.4297	0.7996	1.1361	0.188	0.3113	0.5815	0.4539	0.231	1.1371	0.647	0.4837	0.1206
K6	0.5747	0.5401	0.4319	0.7285	1.0394	0.180	0.3087	0.5714	0.4629	0.2548	1.1266	0.7193	0.3756	0.118
SP-1														
SP-1														
SP-1								0.5973						
SP-1														
SP-2														
SP-2						0.276								
SP-2						0.338								
SP-2														
SP-3	0.4356		0.3169	0.5359										
SP-3				0.6914										
SP-3				0.5958										
SP-3				0.5493										

Anhang 8:

Rohdaten der Celegans Toxchip Experimente mit Clofibrat

Konz.	Clofibrat							
	10 mg/ l			2 mg/ l			0,4 mg/ l	
Gene ID	1	2	3	4	5	6	7	8
1	1.1228	0.234		0.513	0.3869	0.1792	0.4748	1.614
1	0.6307	0.2275	0.0275	0.2933	0.3255	0.1928	0.5476	1.6658
1	0.4949	0.1931		0.1354	0.3368	0.2648	0.5739	1.2885
1	0.5762			0.1069	0.3427	0.2643	0.5552	1.559
2	0.8411	0.3339		0.4234	0.4966	0.6149	0.3197	1.5227
2	0.7932	0.368		0.3842	0.3037	0.6844	0.3571	1.5091
2	0.7801	0.396		0.4235	0.6449	0.9057	0.4675	1.4999
2	0.9759	0.4507	0.0861	0.4148	0.7334	1.1949	0.5354	1.4297
4	0.6586	0.1761		0.7203	0.1106	0.3503	0.3504	2.5851
4	0.7941	0.1985	0.0271	1.016	0.2227	0.367	0.3734	2.1971
4	0.7765	0.2038		1.101	0.2786	0.3787	0.3097	2.5413
4	0.6548	0.2267		1.1101	0.3712	0.5136	0.3729	2.8804
5	0.8173	0.6216	0.4777	0.8013	0.2635	0.354	0.836	0.492
5	0.8486	0.6592	0.3927	0.8307	0.263	0.3642	0.7816	0.4973
5	0.8935	0.6535	0.3571	0.9494	0.2531	0.4021	0.687	0.5287
5	0.8526	0.6718	0.342	0.9521	0.3185	0.5931	0.5858	0.5754
7	0.1308	0.304	0.4106	0.5214	0.1473	0.5787	0.9454	0.2422
7	0.1368	0.3596	0.3648	0.2622	0.1486	0.6292	0.853	0.2438
7	0.1414	0.3918	0.3926		0.1469	0.5668	1.0191	0.1894
7	0.206	0.2562	0.4655	0.1086	0.1616	0.7748	1.0235	0.1843
8	0.2433	0.5648		0.686	0.2129	1.0146	0.903	2.7196
8	0.2367	0.5531		0.4625	0.2664	1.4586	0.7093	2.7798
8	0.3431	0.6679		0.7135	0.2727	1.3301	0.8735	2.7033
8	0.4097	0.8012		1.0515	0.3176	1.4404	0.9709	2.7053
9	0.519	0.8302	0.3656	0.9504	0.4468	0.9652	1.9482	0.6267
9	0.6274	0.5899	0.2565	0.9777	0.4231	0.9339	1.7272	0.5888
9	0.621	0.4662	0.2431	1.0831	0.4753	1.0851	1.269	0.5256
9	0.7289	0.6398	0.2885	1.1169	0.5097	1.3014	1.35	0.478
10		0.8923	0.3179	0.6299	0.2422	0.2854	0.8943	0.8079
10	0.3981	0.8635	0.2149	0.2149	0.1903	0.7276	0.9077	0.7938
10	0.4588	1.0067	0.1436	0.9274	0.1783	0.9088	0.8026	0.9477
10		0.9812	0.1686	0.9524	0.0598	0.7154	0.8405	1.0349
11		0.2115		0.8038	0.5887	0.4337	0.2428	0.5304
11		0.2155			0.8907	0.5291	0.4724	0.8912
11		0.1604	0.4448		0.6298		0.3284	0.4481
11					0.5928		0.5358	0.8711
12	0.0794	0.1411		0.686	0.0842	1.3353	0.3769	6.9512
12		0.1606		0.8578	0.1323	0.8111	0.4001	7.1572
12		0.1938		0.7396	0.3716	0.8941	0.4287	7.3966
12		0.1543		0.871	0.5109	0.8874	0.5864	7.8402
13	2.123	1	0.2745	0.83	0.9618	0.3659	1.2818	1.7881
13	2.0188	1.2997	0.3136	0.9144	0.9379	0.3961	1.1827	1.8121
13	2.2069	1.4094	0.19	0.8886	1.0791	0.3779	1.3471	1.8469
13	2.1652	1.2346		0.7682	1.2979	0.3772	1.268	
14	1.5612	0.3175	0.055	0.7959	0.2135	0.4911	0.9779	0.5958
14	1.8412	0.329		0.657	0.1616	0.4068	0.9878	0.5863
14	1.6888	0.3346		0.7282	0.1308	0.3773	0.8409	0.5816
14	1.79	0.3213		0.7685	0.1929	0.3919	0.7721	0.6591
15	0.152	2.4088		0.5557	0.4639	1.0987	1.1488	1.0139
15	0.1216	1.7032			0.3916	1.3601	0.5474	1.1336
15	0.1057	0.7081		0.8785	1.6021	0.828	1.0086	
15	0.1877	0.7583		0.3909	1.1735	0.8853	1.0005	
16	0.0669	0.1884		0.6896	0.1316	0.6944		2.1936
16	0.0289	0.184		0.6702	0.1236	0.6905	0.2993	1.6114
16	0.0675	0.2159		0.6941	0.1215	0.7112	0.6338	1.1116
16	0.0462			0.6274	0.1506	0.7857	0.6773	0.9387
17	1.0077	0.8172	0.5778	1.3831	0.6427	4.2931	1.2146	0.7122
17	0.9978	0.6649	0.4711	1.4354	0.6467	3.8402	1.1571	0.7347
17	1.0264	0.6617	0.4266	1.3836	0.657	7.7101	1.1214	0.6885
17	0.9879	0.6264	0.5474	1.4078	0.7091	5.9073	1.1959	0.6996
18	0.3227			1.0505	0.1489	1.6107	0.6603	28.6558
18	0.2557			1.0139	0.1501	1.1463	0.6139	26.6436
18	0.3421			0.9285	0.1297	1.2941	0.7313	20.8669
18	0.3414			0.895	0.1138	1.1942	0.6847	20.9009
19	0.3867	0.4219	0.9911	0.4882	0.5561	1.519	1.007	1.1717
19	0.3412	0.4398	0.9366		0.546	1.5601	0.9211	1.0222
19	0.3042	0.3932	0.9895	0.0979	0.5443	1.7284	0.9344	1.0343
19	0.3189	0.4089	1.0464	0.0786	0.6157	1.9467	0.9523	0.9068
20	0.7096	1.7507	0.3703	0.9636	1.0253	1.4263	1.2327	1.1895
20	0.7551	1.258	0.3131	0.9005	0.9346	1.5537	1.1786	1.1803
20	0.9136	1.3326	0.3522	0.8811	1.2267	1.642	1.0322	1.0777
20	0.9879	1.1934	0.3438	0.8105	0.9624	1.3684	1.1129	1.1287
21	0.6284	0.1983	0.1733	0.7326	0.2731	0.6451	0.3361	1.5559
21	0.6405	0.1969	0.2135	0.5597	0.2904	0.6919	0.2288	1.5482
21	0.6303	0.1972	0.2544	0.4537	0.2787	0.6573	0.3355	1.4688
21	0.7265	0.2037	0.2868	0.4645	0.2959	0.6879	0.2812	1.5746
22	1.0862	0.3776	1.3718	0.9973	1.0607	4.1708	0.8403	2.3105
22	1.0204	0.3959	1.5774	0.9811	1.1204	4.1104	0.8169	2.4515
22	1.0322	0.4047	1.2294	0.9738	1.1825	3.2923	0.91	2.3546
22	0.9841	0.4349	1.739	1.0342	1.253	3.8725	0.8917	2.4995
23	0.3374	0.1397		0.4444	0.1571	0.1233	0.622	0.945
23	0.3994	0.1304		0.2362	0.1543	0.15	0.5835	0.8806
23	0.3418	0.0331			0.1521	0.1345	0.5775	0.7064
23	0.2284				0.1542	0.1583	0.5795	0.7536
24	0.8242	0.9851	0.6998	0.8371	0.6895	1.2393	1.1532	
24	0.7733	0.9929	0.8472	0.8507	0.7239	1.3013	1.2272	0.5495
24	0.8373	0.8435	0.8661	0.7862	0.7519	1.4197	1.179	0.4987

24	0.8758	0.9587	0.9182	0.7833	0.767	1.3478	1.1415	0.3951
25	0.4219	0.4081	0.3733	0.9602	0.6252	0.8846	1.024	1.3846
25	0.4134	0.3968	0.3607	0.9726	0.6546	0.76	0.9075	1.3276
25	0.403	0.3932	0.3839	0.9329	0.6915	0.7992	0.9496	1.398
25	0.4024	0.4334	0.4908	0.9459	0.7221	0.7114	0.9528	1.301
26	0.8097	0.4169		0.6013	0.8652	1.3298		0.6286
26	0.9312	0.5852		0.5131	0.2678	1.0875		0.6658
26	0.7522	0.5861		0.4071	2.304	1.5093		0.6377
26	0.8368	0.7409		0.5183	1.5133	1.0948	0.2518	0.6281
27	0.4922	0.1684		0.5221	0.2733	1.1546	0.6269	0.7781
27	0.4614	0.18		0.3557	0.2582	1.1328	0.5746	0.8217
27	0.5409	0.1818	0.0212	0.428	0.2387	1.2329	0.5631	0.831
27	0.6015	0.0457	0.0991	0.0922	0.0901	1.4075	0.6331	0.8168
28		0.2198		0.1071	0.1649		0.2171	0.3978
28	0.0552	0.1404		0.2171	0.1473	0.2446	0.1567	0.3548
28	0.0857	0.2013		0.2602	0.1511	0.2934	0.2285	0.4
28	0.0621	0.2889		0.3402	0.1931	0.3549	0.2586	0.3498
29	0.6266	0.3413	0.1032	0.6353	0.3855	0.4737	0.5598	2.011
29	0.7509	0.3075	0.0577	0.7182	0.4655	0.4468	0.4071	2.076
29	0.5927	0.1738	0.0664	0.9085	0.4527	0.4769	0.38	2.1368
29	0.7367	0.3928	0.0632	0.7884	0.62	0.5302	0.3806	2.2246
30	0.1125	0.2487		0.3785	0.1007	0.2705		0.2311
30		0.2507		0.3067	0.0924	0.2532		0.2222
30	0.1682	0.2505		0.3238	0.0811	0.2615		0.3028
30	0.2055	0.2561		0.3977	0.0931	0.3189		0.2928
31	1.3503	0.1899	1.1467	0.4982	0.8169	1.5658	0.5446	2.5313
31	1.4172	0.1667	1.2486	0.2679	0.7461	1.6085	0.5209	2.6315
31	1.9655	0.1737	1.3259		0.1913	1.7092	0.5021	2.547
31	1.8582	0.1704	1.6109	0.1526	0.9572	1.7173	0.4838	2.5328
32	0.2615	0.3174	0.1267	0.7711	0.3534	0.7273	0.7802	2.2635
32	0.0437	0.3212	0.118	0.7758	0.3639	0.6863	0.7787	2.2295
32	0.0251	0.3108	0.0864	0.7982	0.3507	0.7455	0.807	2.0889
32	0.0905	0.3593	0.1702	0.7866	0.4339	0.8162	0.806	2.1326
33	1.1723	0.7022	0.9822	0.9662	2.1094	0.9661	0.9279	0.9876
33	1.1044	1.0962	0.9793	0.988	2.0681	1.023	1.0475	0.9828
33	1.0681	1.0812	1.0299	1.0294	2.1093	0.9902	1.0447	0.9948
33	1.0509	1.1383	1.0241	1.0136	2.079	1.0264	1.0215	1.0251
34	0.4601	0.6204		1.1159	0.1449	0.6874	0.7439	0.7624
34	0.3602	0.6042		1.2899	0.1426	0.5325	0.5633	0.7509
34	0.4101	0.6839		1.048	0.1324	0.5119	0.5547	0.7954
34	0.5437	0.7503		1.1148	0.0972	0.7513	0.5261	0.8237
35		0.0483		0.9355	1.279	0.618	0.552	33.3608
35	0.088	0.0449		0.1013	1.3034	0.6043	0.6533	26.1976
35	0.1059	0.032		0.0876	1.2276	0.6558	0.8189	25.676
35	0.1065	0.0142		0.1035	1.2086	0.6747	0.9423	28.4439
36	0.153			1.3766	1.6084	1.078	1.2015	10.4388
36	0.1167	0.0527		1.3655	0.9365	1.4484	1.225	13.6458
36	0.1692			1.391	1.1038	1.1069	1.0018	20.7169
36	0.1858	0.0341		1.4235	1.854	1.2745	1.3019	28.8172
37	0.8752	0.7504	0.9306	1.0324	0.9527	1.6032	1.1893	2.0704
37	0.8487	0.743	0.9036	1.0121	0.9719	1.5602	1.2222	1.9539
37	0.8389	0.7518	0.8977	0.9925	0.9702	1.5423	1.1733	1.9491
37	0.845	0.7554	0.9199	1.0112	0.9887	1.5559	1.207	1.9592
38	0.8562	0.3521	1.6067	0.419	0.7119	2.152	0.2565	1.8283
38	1.6862	0.3945	1.7549	0.4368	0.6653	2.197	0.3079	1.782
38	1.5479	0.4333	1.6228	0.4353	0.2348	2.474	0.3184	1.7996
38	1.5206	0.362	1.5842	0.4293	0.7306	2.3277	0.4106	1.9922
39	1.9021	0.2455	0.7195	0.2669	0.1517	0.4736	0.3737	0.4978
39	1.0087	0.2308	0.7334	0.2385	0.1489	0.4782	0.3975	0.5065
39	1.21	0.2607	0.7791	0.1341	0.1528	0.5193	0.3889	0.5592
39	0.5313	0.1965	0.8994	0.127	0.1661	0.4911	0.3928	0.2972
41	0.248	0.6036	0.3186	0.8573	1.1127	0.4729	1.025	0.8637
41	0.1608	0.5854	0.3242	0.7598	1.1109	0.4607	1.2709	0.8158
41	0.2533	0.6566	0.3784	0.8634	1.1989	0.4535	1.1459	1.1287
41	0.3122	0.6791	0.4418	0.9	1.2499	0.4574	1.1993	1.2331
42	0.2727	1.5456	0.5363	0.8568	1.3185	1.2824	1.0471	0.7994
42	0.1918	1.4804	0.5185	0.9369	1.3159	1.1213	0.9582	0.8177
42	0.1918	1.4793	0.5099	0.8441	1.2128	0.8501	0.944	0.8747
42	0.198	1.3627	0.4317	0.9141	1.3453	1.062	1.0261	0.8239
43	0.7034	0.0441	0.0841	0.7763	0.8372	0.6891	0.4505	4.6891
43	0.7394	0.0469	0.0771	0.7981	0.905	0.6765	0.4211	4.683
43	0.7875	0.0463	0.0349	0.7632	0.904	0.6589	0.4125	4.5351
43	0.7985	0.0493	0.0153	0.7759	0.9368	0.6636	0.4104	5.1878
44	0.1515	0.3802		0.7013	0.2629	0.3573	0.8669	0.9566
44	0.098	0.3601		0.3212	0.3117	0.4318	0.8528	1.1467
44	0.102	0.325			0.2949	0.419	0.951	1.2299
44	0.0936	0.2454	0.058	0.2103	0.3602	0.454	0.9399	1.1974
45	1.8309	1.5086	0.8993	1.453	1.7309	0.3636	2.8496	0.3055
45	3.0018	1.4698	0.8369	1.4309	1.7419	0.3903	2.7912	0.2842
45	1.7655	1.5106	0.8442	1.4402	1.729	0.3598	2.7324	0.2788
45	1.2329	1.4654	0.8896	1.4625	1.7399	0.4065	2.4737	0.292
46	0.4829	0.3814	0.2146	1.0326	0.0882	0.5943	0.8648	2.6544
46	0.4576	0.3473	0.0993	0.9278	0.3471	0.5972	0.8431	2.493
46	0.5606	0.3432	0.1096	0.9376	0.5523	0.6351	1.0218	2.6925
46	0.587	0.4103	0.1319	0.9127	0.6427	0.6825	0.7687	2.7502
47	1.0435	0.6689	1.4112	1.6565	1.3048	1.8915		1.4597
47	0.8933	0.6768	1.2101	1.6497	1.2896	1.8212		1.4819
47	0.8353	0.6996	1.3011	1.5575	1.2306	1.6903		1.501
47	0.7518	0.7106	1.1666	1.622	1.4851	1.8239		1.5664
49	0.7146	0.6163	0.8622	1.0005	1.08	1.4486	1.1658	1.1104
49	0.9332	0.5997	0.8645	0.6254	1.0215	1.4343	1.1045	1.1168
49	1.0195	0.5833	0.9126		1.0352	1.4539	1.1787	1.122
49	0.5497	0.539	0.8954		1.0266	1.3815	1.1403	1.1418
50	1.1891	0.4861	0.1152	0.8992	0.3873	0.4266	0.7617	1.3861
50	0.3937	0.5058	0.0819	0.8984	0.1041	0.4641	0.9066	1.3575

50	0.0992	0.5394	0.0651	0.9558	0.3306	0.4835	0.9607	1.3535
50	0.1377	0.5693	0.106	0.9515	0.2049	0.7514	1.0674	1.3498
51	0.7476	0.7261	0.2219	0.7511	1.0746	0.6646	0.9495	1.5802
51	0.7266	0.667	0.1533	0.8148	1.0465	0.6726	0.8784	1.6833
51		0.5443	0.1644	0.855	1.0362	0.6275	0.8235	1.66
51	0.8132	0.4791	0.2029	0.8643	1.1506	0.7925	0.8877	1.6761
52	1.4802	0.381	0.5408	0.8516	0.3225	0.9909	0.8424	2.1123
52	1.6818	0.3906	0.4261	0.8387	0.2009	0.7704	0.8887	2.1131
52	1.5556	0.3955	0.4504	0.8376	0.1716	0.8895	0.8512	2.1772
52	1.6949	0.3984	0.4606	0.7549	0.3967	0.7472	0.8786	2.1955
53	0.208	0.0396		1.4389	2.5141	0.7007	1.1632	43.8879
53	0.1799	0.029			2.4181	0.7104	1.162	39.2474
53	0.1188	0.0303			2.4134	0.7005	1.1758	34.8792
53	0.2921	0.0198			2.4509	0.765	1.1496	35.8846
54	0.5639	0.4541	0.4081	0.959	0.7894	0.8368	0.991	1.6154
54	0.591	0.4229	0.2411	0.938	0.8149	0.8033	1.0397	1.759
54	0.622	0.49	0.2703	0.9179	0.7306	0.8085	1.1939	1.8385
54	0.7314	0.5655	0.3828	0.9435	1.012	0.9625	1.2768	1.9066
55	0.518	1.419	0.7991	1.0305	1.7221	0.4482	1.0908	0.9181
55	0.5341	1.369	0.8516	1.0291	1.7736	0.474	1.0972	0.9135
55	0.5626	1.4305	0.8744	1.0371	1.7666	0.4059	1.1126	1.0279
55	0.4611	1.3792	0.9228	1.0202	1.7434	0.4827	1.0832	1.1157
56	1.285	3.897	0.1801	0.8762	0.5838	0.166	1.7699	0.2414
56	1.0278	4.4476	0.1829	0.7364	0.598	0.1643	1.8151	0.2125
56	1.1941	4.5416	0.1814		0.5902	0.1815	1.8329	0.1962
56	1.3301	4.6831	0.1858		0.5966	0.193	1.7533	0.1659
57	0.3058	3.0381	0.505	1.408	1.6173	0.2813	2.3357	0.1449
57	0.3175	2.9758	0.4924	1.5094	1.5852	0.2906	2.3656	0.1421
57	0.2807	3.1918	0.501	1.0066	1.5661	0.6491	2.3618	0.1428
57	0.2363	2.9928	0.5214	0.1125	1.5768	0.2823	2.2528	0.1371
58	0.2868	0.913		0.8839	1.2663		2.6373	0.4654
58	0.3272	1.1453		1.079	1.4016	0.0895	2.5487	0.4418
58	0.3	1.2728		1.1076	1.2009	0.1084	2.6709	0.4361
58	0.3265	1.3521		1.0682	1.4409	0.2312	2.8356	0.4278
60	1.3429	1.5545	0.8828	1.4995	1.4957	0.3716	2.9249	0.3007
60	1.5014	1.5812	0.8823	1.447	1.1605	0.4199	2.7804	0.3044
60	1.989	1.5782	0.9203	1.5421	1.7608	0.3667	2.8161	0.3109
60	1.9164	1.5552	0.8882	1.6364	1.679	0.2577	2.8667	0.3163
61	0.5585	0.9643	0.348	1.1196	0.1366	1.9225	1.0785	0.7236
61	0.683	0.9868	0.3288	1.0854	0.114	1.9013	1.0952	0.6932
61	0.6588	1.0241	0.3155	0.8899	0.1285	1.7479	1.2011	0.7505
61		1.0344	0.3011	1.3293	0.3167	2.2902	1.2336	
62	0.5737	0.7711	0.4176	0.9846	0.7866	1.2083	1.1845	0.9705
62	0.5629	0.7423	0.3876	0.1123	0.3821	1.1877	1.225	0.9512
62	0.5674	0.7062	0.4468	0.1221	0.7439	1.197	1.2331	0.8636
62	0.4861	0.6658	0.5673	0.1023	0.7485	1.2704	1.2282	0.5756
63	0.4682	0.8669	0.559	0.9257	0.8699	3.5167	1.2314	0.9
63	0.2862	0.8314	0.5542	0.8892	0.8236	3.8471	1.257	0.9059
63	0.1403	0.8345	0.5447	0.9186	0.8286	4.9714	1.219	0.906
63		0.8661	0.606	0.948	0.8445	5.2703	1.2084	0.9094
64	0.5324	0.5569	0.0239	0.599	0.7306	0.4909	0.8298	1.4977
64	0.4071	0.5111		0.6249	0.6789	0.5091	0.8492	1.5309
64	0.4917	0.4618		0.5991	0.7887	0.4796	0.7782	1.5213
64	0.5189	0.4099	0.0859	0.6518	1.1863	0.6154	0.7899	1.5488
65	0.9756	0.4239	0.8916	0.7428	0.135	1.9716	0.7521	2.0059
65	1.0047	0.4301	0.7947	0.7487	0.3615	1.4897	0.7403	1.9196
65	1.0685	0.4493	0.7781	0.709	0.3996	1.3144	0.7428	1.8937
65	1.0667	0.4871	0.9262	0.7184	0.4186	1.0436	0.716	2.1194
66	0.8865	0.3078	1.5254	0.6354	0.7427	4.7629	0.9464	1.4833
66	0.8669	0.3212	1.4541		0.727	4.8465	0.9598	1.3098
66	0.8881	0.3167	1.4358		0.7576	4.7979	0.9697	1.2722
66	0.9326	0.3223	1.4069		0.7486	4.9683	0.9997	1.2015
69	0.198	0.0664		1.4623	1.6674	0.6294	0.6974	14.1931
69	0.2131	0.0883		1.2154	1.671	0.6373	0.7427	16.3867
69	0.2373	0.0671		1.2077	1.7761	0.6731	0.8113	18.8242
69	0.3378	0.0772		1.1688	1.8766	0.6415	0.6	19.6416
70	0.625	0.9099	0.4719	0.9564	0.7756	0.4509	1.0019	1.2076
70	0.6652	0.8703	0.5144	0.9181	0.7897	0.442	1.0488	1.2275
70	0.6931	0.8244	0.5772	0.7917	0.8113	0.6275	0.9902	1.2543
70	0.6918	0.9003	0.5986	1.0612	0.8298	0.709	1.0028	1.3214
71		0.6965		0.503	0.594	1.0487	0.2672	0.6097
71					0.4052	1.3839	0.3241	0.8048
71		2.6092		0.8445	0.6535	1.2351	0.3439	0.7044
71	0.217			1.1759	0.3487	2.2247	0.3283	0.6195
14-0	1.1116	0.4131	0.0909	0.775	0.4252	0.5606	0.9745	0.5283
14-0		0.4421		0.9129	0.6376	0.5236	0.9672	0.5852
14-0	1.124	0.4634		0.833	0.7852	0.5165	0.9407	0.6232
14-0	1.8159	0.4496	0.2223	0.7088	0.7758	0.4682	0.8495	0.66
14-1	3.2234	0.5479	0.099	0.7397	0.6999	0.4327	1.537	0.8574
14-1	3.4592	0.5639	0.1171	0.7202	0.8332	0.4575	1.3786	0.8766
14-1	3.3575	0.6894		0.863	0.5924	0.4177	1.3143	0.8661
14-1	2.546	0.5197		0.8812	0.6028	0.4346	1.4805	0.9301
14-2		0.8633	0.1335	0.8473	0.5057	0.9394	1.1762	0.9558
14-2	0.2445	0.4417	0.081	0.845	0.5139	1.0604	1.2346	0.9308
14-2		0.5041	0.1442	0.848	0.5639	1.0745	1.2074	0.8683
14-2		0.5698	0.1843	0.8489	0.5746	1.1532	1.1845	0.8804
14-4	0.4847	0.4245	0.5346	0.9126	0.635	0.7596	0.9133	0.8949
14-4	0.8746	0.4187	0.476	0.1616	0.5728	0.7055	0.9475	0.8251
14-4	0.7166	0.4187	0.4997	0.1369	0.4979	0.7349	0.9568	0.8451
14-4	0.4797	0.403	0.592	0.1204	0.5902	0.7075	0.9684	0.9026
56-0	1.1466	3.9322	0.1678	0.7853	0.434		1.706	0.1195
56-0	1.234	4.4235	0.1741	0.8627	0.6432		1.7023	0.1318
56-0	1.6304	4.3772	0.154	0.871	0.7002		1.7326	0.1274
56-0	1.3016	4.3949	0.1597	0.809	0.6223		1.738	0.1077
56-1	1.1394	4.926	0.1743	0.8158	0.5974	0.1035	1.9376	0.1423

56-1	1.1653	4.7168	0.188	0.8306	0.6227	0.0923	1.9689	0.1377
56-1	1.1593	5.1812	0.1867	0.8779	0.6195	0.0791	2.0237	0.1429
56-1	1.1787	4.8362	0.1914	0.8567	0.6341	0.0822	1.9405	0.1452
56-2	1.2082	4.2709	0.1837	0.9338	0.5962	0.0978	2.1265	0.1428
56-2	1.2537	4.4513	0.1779	0.9347	0.5999	0.1066	1.8963	0.1098
56-2	1.1391	4.6016	0.19	0.8423	0.6322	0.0944	1.9721	0.2102
56-2	1.0185	4.7047	0.1926	0.8768	0.6205	0.1102	1.9334	0.1678
K 1		0.4514	0.1012				0.4193	
K 1		0.3989	0.0833				0.5672	
K 1		0.4748					0.4832	
K 1		0.5936						
K0	0.234	0.7347	0.0604		0.2175		1.5604	0.162
K0		0.7953	0.2098		0.2239		1.0131	0.1625
K0		0.6134			0.2019		0.5878	0.2455
K0		0.6066			0.2185		0.9309	0.1517
K10	0.3108	0.6055	0.4484	0.9298	0.4786	1.2174	0.9259	0.8269
K10	0.2529	0.6088	0.4335	0.9036	0.444	1.2906	0.8477	0.8997
K10	0.2837	0.6452	0.4392	0.9208	0.4379	1.2373	0.8364	0.877
K10	0.3018	0.6252	0.4608	0.8488	0.4211	1.3155	0.9147	0.8581
K2	0.1437	0.8251	0.0934	0.5171	0.2522		1.1234	0.6337
K2	0.1242	0.6982	0.0886	0.7784	0.2972	0.1976	1.5277	0.4481
K2	0.0705	0.8131	0.0471	0.4298	0.2538	0.2108	1.5452	0.6661
K2	0.0593	1.1539		0.2692	0.2447	0.2473	1.5199	0.5066
K4	0.7925	0.2371		0.5492	0.277	0.5401	0.3566	0.8342
K4	1.0033	0.2568		0.5114	0.2536	0.583	0.3497	0.9157
K4	0.6613	0.2593		0.5664	0.2281	0.6326	0.3345	0.8341
K4	0.625	0.2925		0.6258	0.2002	0.5678	0.2916	0.9964
K6	0.4142	0.4194	0.3612	0.7837	0.323	0.8496	0.5405	0.9635
K6	0.2694	0.413	0.2876	0.7417	0.3181	0.9095	0.6343	1.0151
K6	0.344	0.4536	0.3394	0.9078	0.315	0.9324	0.5725	0.9374
K6	0.3068	0.4357	0.3531	0.7694	0.3047	0.7952	0.4698	0.9137
SP-1								
SP-1								
SP-1								
SP-1								
SP-2								
SP-2								
SP-2								
SP-2								
SP-3		0.4804		0.3764	0.3322		0.2138	
SP-3		0.5431		0.3219	0.9141		0.2359	
SP-3		0.7782		0.4823	0.8959		0.2514	
SP-3		0.561		0.1844	0.9119		0.2361	

Anhang 9:

Rohdaten der Celegans Toxchip Experimente mit DES

	DES								
Konz.	0,5 mg/ l			0,1 mg/ l			0,02 mg/ l		
Gene ID	30b	32b	40b	30c	32c	40c	30d	32d	40d
1	0.9338	0.5639		0.7975	0.5006		0.9384	0.4862	
1	1.0055	0.5537		0.3916	0.6343		0.466	0.4883	
1	1.0882	0.5919		0.8908	0.565		0.8671	0.51	
1	1.1756	0.5673		0.9057	0.56		0.7282	0.4864	
2	0.748	0.8595		1.1256	0.7324		1.1291	0.6846	
2	0.7564	0.9368		1.109	0.741		1.1293	0.7035	0.1553
2	0.7398	0.9371		1.177	0.7225		1.0624	0.7322	0.1925
2	0.818	0.9353		1.2171	0.7192		1.2225	0.707	0.7038
4	0.7524	0.9413	0.7676	0.9167	0.8606		0.8689	0.8617	0.5096
4	1.089	0.931	0.8857	0.8667	0.8782		0.7573	0.8628	0.8858
4	0.8023	0.9777	1.2728	0.9181	0.8419		0.7528	0.8567	0.5281
4	0.7356	0.7222	1.2038	0.9413	0.8898	0.7755	0.7653	0.8642	0.8566
5	1.6469	0.8311	0.5875	1.335	0.8593	0.3287	1.4479	0.8965	0.7493
5	6.6464	0.7783	0.5394	1.3306	0.9709		1.2225	0.9141	0.5851
5	1.3229	0.8057	0.6004	1.2752	0.8982	0.2126	1.2515	0.9005	0.5039
5	4.5367	0.8679	0.5188	1.3383	0.9523	0.5672	1.0823	0.8331	0.5489
7	4.5847	0.5355		0.9877	1.635		1.8552	0.3365	
7	2.0295	0.8924		0.9222	0.692		2.4011	0.3504	
7	2.2485	0.691		1.0077	0.6608			0.3566	
7	1.8493	0.6861		1.0178	0.6396	0.1615		0.3303	
8	0.6524	0.5874	0.3236	0.8625	0.6946	0.5711	0.6137	0.5274	
8	1.1163	0.541	0.3763	0.8857	0.7121	1.689	0.6776	0.5224	
8	1.0244	0.7746	0.0625	0.8683	0.735	0.5983	0.7852	0.5321	
8	1.0313	0.7107	0.1397	0.9341	0.7595	0.6454	0.9852	0.5514	
9	1.0737	1.0886		1.2734	1.0986	0.5345	1.3687	0.9476	0.5851
9	0.9966	1.4586		1.1968	1.0551	0.5976	1.4891	0.9223	
9	1.0691	1.3611		1.2923	1.0823	0.6691	1.3812	0.9771	
9	1.4165	1.6161		1.279	1.123	0.8095	1.4289	0.9501	
10	2.7406	0.8762		1.5886	0.6041	0.3498	1.1078	0.4262	0.176
10	1.1949	0.9261		0.9925	0.5628	0.3869	0.5152	0.4165	0.4082
10	1.1068	0.762		0.9812	0.4705	0.3851	1.6057	0.4158	0.3923
10	0.9444	0.2551		0.9567	0.4867	0.4046	1.7463	0.4401	0.1496
11	3.969	0.4364		3.2205	0.6908			0.2387	0.3902
11	4.5783	0.5611		1.0182	0.5007			0.2808	0.4551
11	3.4574	0.4972		1.1284	0.3363			0.3363	0.5209
11	1.3238	0.6353	0.4387	1.0655	0.3844			0.2251	0.4664
12	1.6091	0.332	0.243	0.7992	0.4148		3.2571	0.9225	1.7329
12	0.642	0.4238	0.0963	0.8608	0.4817			0.2924	1.1724
12	0.4677	0.4267		0.7408	0.4124			0.2861	0.7076
12	0.5076	0.2864	0.2073	0.8379	0.397		1.3906	0.3159	0.7891
13	1.0952	0.7406	0.7292	1.0031	0.7986		0.9787	0.8959	0.8692
13	0.9717	0.7871	0.6964	0.952	0.8214		1.0239	0.8946	0.7869
13	0.9002	0.7723	0.6068	0.9533	0.8544	0.99	0.9975	0.9249	0.6462
13	0.919	0.8294	0.6976	0.941	0.7705	0.6497	1.0251	0.9061	0.8234
14	1.58	1.7494	0.8516	1.4164	1.1967	1.5782	1.7243	0.902	1.9792
14	1.3662	1.4528	0.8356	1.2784	1.0553	1.5681	1.5763	1.2453	1.9819
14	1.3581	1.0279	0.8462	1.3227	1.1581	1.4858	1.7018	1.1241	1.8966
14	1.5045	1.0817	0.8537	1.4559	1.2136	1.5209	1.6791	1.1194	1.9247
15	1.0725	0.7092		0.828	0.7417		0.7792	0.5774	0.9662
15	1.1192	0.7346		0.8229	0.7254		0.6006	0.5803	0.2347
15	1.1167	0.7781		0.8994	0.6232		2.5255	0.5998	0.2127
15	1.0888	0.8501	0.1611	0.9319	0.726		0.7554	0.5737	0.2643
16	0.991	1.2049		0.8684	0.4894		0.6252	0.3233	0.263
16	1.0545	0.1043		0.8062	0.5885		0.6243	0.3875	0.1683
16	1.2475	0.559		0.9076	0.5232		0.5078	0.3175	0.1484
16	1.2462	0.4869		0.9198	0.5017			0.348	0.0721
17	0.6081	1.1956	0.9168	0.8561	1.11		0.7884	1.0504	0.9207
17	0.7277	1.2137	0.9372	0.8579	1.1147		0.8399	1.0809	0.9368
17	0.605	1.2395	0.9412	0.8823	1.1297	0.6134	0.755	1.1139	0.8534
17	0.2395	2.8368	0.9378	0.8887	1.1347	0.5823	0.7647	1.1136	0.8887
18		0.655	0.9334	1.1847	0.7078		1.0598	0.6363	1.0535
18	1.0442	0.7997	1.0139	1.1045	0.7057	0.1506	1.0934	0.7079	0.9029
18	3.7298	0.5597	1.0568	1.0614	1.3777	0.5041	1.1257	0.7209	0.9369
18	1.2723	2.4062	1.0853	3.2693	0.7275	0.7261	9.2062	0.68	0.9394
19	0.7166	0.8769		0.7044	0.5338		0.5803	0.5106	
19	0.6914	0.8742		0.7013	0.5176		0.6171	0.5552	
19	0.722	0.8665	0.0144	0.7061	0.5263		0.6561	0.512	
19	0.7557	0.841	0.428	0.7554	0.5175		0.6471	0.5122	
20	0.7795	1.3206		0.7622	1.2117		0.7925	1.2094	1.0001
20	0.7941	1.322		0.7847	1.3228		0.86	1.2702	0.9447
20	0.8007	1.2595	0.3562	0.7847	1.4	0.1737	0.857	1.2914	0.9135
20	0.7807	1.3892	0.7312	0.8224	1.2734		0.8374	1.2283	0.3898
21	2.5922	0.9843	0.4751	0.9645	0.9466	0.8449	1.0209	0.7039	
21	1.0687	1.0005	0.6241	0.9598	1.1239	0.9435	1.0716	0.7274	
21	1.8639	0.3408	0.6253	0.962	1.025	0.3296	1.1351	0.7311	
21	1.1311	1.0475	0.7079	0.9183	0.9604	0.9383	1.013	0.7273	
22	0.9371	1.0908	0.7698	1.1	1.1551	0.5584	0.8689	0.906	0.8665
22	0.9448	1.1927	0.8465	1.1589	1.149	0.8309	0.9237	0.9904	0.9177
22	0.9094	1.1619	0.8084	1.0877	1.1187	0.9134	0.9023	0.8372	0.8975
22	0.9518	1.1196	0.799	1.1215	1.0917	0.9165	0.8569		0.9112
23	1.5412	0.7827	0.5636	1.1982	0.525	0.9668	0.897	0.5369	
23	1.6015	0.5608		1.3485	0.4541		0.6744	0.4693	
23									
23	1.5983	1.9364		1.2918	0.4466		0.7689	0.4757	
24	0.9457	0.8706	0.6167	1.1351	0.9851		1.2156	0.831	1.0524
24	0.9357	0.8882	0.143	1.1288	0.9795	0.8598	1.1862	0.8673	0.7173
24									

24	0.8953	0.8684	0.4027	1.1195	1.0255		1.2066	0.817	
25	1.028	0.9957	0.5518	1.0215	0.7425	0.6717	1.0949	0.8372	0.7101
25	0.9628	0.9395	0.5447	1.1345	0.7457	0.6146	0.9842	0.8848	0.6928
25									
25	0.9981	0.9342	0.5543	1.0875	0.7516	0.5895	1.14	0.8704	0.1859
26			0.7204	1.2329	0.5732			0.3367	
26	1.4188	0.9933	1.005	0.9915	0.5315	0.1179		0.3925	0.2379
26									
26	1.6615	0.6114	0.4185	1.1761	0.6156	0.3753		0.3915	0.1654
27	0.7991	1.084		0.9177	0.9424		0.6555	0.7678	
27	0.8424	1.0204		0.8854	0.9236		0.7227	0.7947	
27									
27	0.8466	1.1041		0.9141	0.9539		0.634	0.6987	
28	0.7693			0.637	0.1406		0.5651	0.2398	
28	1.76	0.4294		0.6716	0.4598		0.4858	0.2645	
28									
28	0.7216	1.3206		0.6271	0.4618		0.4351	0.2459	
29	1.511	1.0265		1.2782	0.8049		3.3927	0.8397	0.2244
29	1.5634	0.7932		1.2942	0.7759		1.0572	0.8018	
29									
29	1.0718	0.7762		1.2989	0.7581		1.0766	0.8007	
30	0.7962	0.1746		0.2462	0.0805		0.2444	0.2112	
30	0.6661	0.1505		0.8345	0.2282		0.1522	0.2114	
30									
30	1.1591	0.1474		0.7442	0.2316		0.2093	0.2292	
31	1.3388	0.8022		1.2998	0.5637		0.9275	0.5942	0.8656
31	1.3443	0.8145		1.1579	0.5762		0.8975	0.5653	0.679
31									
31	1.2439	0.8051		1.2781	0.5763		0.9111	0.5818	0.6827
32	0.7781	0.944	0.3424	1.0773	0.8848		2.8116	1.0267	0.6347
32	1.0623	1.0941	0.2746	1.0719	0.894		1.0855	0.9813	0.8186
32									
32	0.9716	1.0633	0.3876	1.0608	0.9209		1.0706	1.0061	0.8551
33	1.0102	0.9848	1.0157	0.9945	0.9933	0.9946	1.0067	0.9883	0.9958
33	0.9902	1.0322	0.9778	1.0154	1.017	0.9959	1.0088	1.0101	0.996
33									
33	0.9996	0.9889	1.0543	0.9874	0.9915	1.0095	0.984	1.0025	1.0091
34	1.0624	1.0467	0.3925	0.9633	0.9473		0.9679	0.8608	
34	1.1478	0.9628		1.0891	0.9161		1.0396	0.8921	
34									
34	1.2845	1.0193		0.9063	0.8936		1.0062	0.6419	
35	1.2483	0.5359	0.4849	0.9694	0.8055		0.6175	0.6169	0.1083
35	1.1566	0.5983		1.0568	0.6759	0.2522	0.5771	0.5424	0.1666
35									
35	1.1777	0.6347		1.0559	0.6498		0.4785	1.3542	0.2284
36	1.1056	0.5989		0.9587	0.8498		0.7625	0.6759	1.0369
36	1.1199	0.5493		0.9842	0.8727		0.7108	0.7057	0.918
36									
36	1.0902	0.5793		1.018	0.8631		0.7309	0.662	1.0315
37	0.8117	1.1196	1.0183	0.9868	1.2614	1.2736	0.9435	1.2899	1.2952
37	0.8554	1.1297	0.9931	0.982	1.2415	1.3674	0.9506	1.2884	1.28
37									
37	0.8236	1.1554	0.998	1.0003	1.2599	1.2999	0.9582	1.2802	1.2908
38	0.7009	1.0791	0.6801	0.6587	1.3198	0.0738	0.563	0.993	0.6215
38	0.8024	1.016	1.1444	0.6899	1.2486	0.4813	0.5702	0.9098	0.4363
38									
38	0.71	1.0306	0.232	0.707	1.3253	0.1041	0.5548	0.9231	0.498
39	2.1539	0.9164	0.67	2.288	0.7521	0.7138	3.0058	0.744	0.5007
39	2.0146	0.9576	0.4972	2.1201	0.8039	0.4622	2.8523	0.6771	0.1503
39	1.9456	1.0195	0.4549	2.3291	0.6948	0.4928	2.7168	0.662	0.4111
39		1.1967	0.5961	2.3629	0.7238	0.4886	2.6997	0.6032	0.2698
41	0.9988	1.2055	1.04	1.1362	1.5208	0.6832	1.0887	0.8495	0.8949
41	0.9781	1.3183	0.8419	1.0818	1.4369	0.2984	1.0983	0.9181	0.2421
41	0.9742	1.0345	1.2528	1.0779	1.3935	0.999	1.0525	0.9222	1.0704
41	1.023	1.5556	1.124	1.1197	1.3776	0.9294	1.0581	0.9124	1.1161
42	3.6073	1.7905	0.7987	1.3377	1.289	0.9084	1.347	0.937	0.9841
42	0.9821	1.0603	0.7907	3.1066	1.1724	0.904	1.306	0.8831	0.9727
42	1.0292	1.6316	0.9123	1.3707	1.0712	0.8906	1.2171	0.3962	0.9379
42	0.9681	1.513	0.6889	1.2204	1.3146	0.7905	1.1225	0.9568	0.9425
43	0.6633	0.6643	0.6188	0.9197	0.8226	0.8254	0.4271	0.8017	0.8018
43	0.642	0.6886	0.0944	0.9337	0.8873	1.0993	0.4144	0.8839	1.033
43	1.0685	0.6535	0.2841	0.9052	0.6742	0.8349	0.4101	0.9037	0.7248
43	0.6302	0.689	0.2655	0.8938	0.6231	0.2857	0.3801	0.8459	1.0799
44	1.0884	0.9041		0.7851	0.6691		0.8959	0.5585	
44	1.1171	0.9623		0.8167	0.6796		0.8625	0.5734	
44	1.0534	0.9951		0.8773	0.7088		3.7571	0.5415	
44	3.272	0.8225	1.288	0.9338	0.7802		0.8831	0.5631	
45	1.4563	2.1096	1.3401	2.4119	1.5522	1.9448	3.5342	1.4009	1.9211
45	1.4379	2.1246	1.3259	2.4349	1.4829	1.9179	3.4698	1.3701	1.8859
45	1.4294	2.0583	1.2365	2.4273	1.5191	1.9398	3.5693	1.3634	1.9761
45	1.4303	2.1309	1.3086	2.4726	1.5004	1.9409	3.6003	1.3567	2.0352
46	0.9592	0.4561		1.0788	0.9232		1.1171	0.9045	1.0234
46	0.6544	1.0879		1.0431	0.9894		1.2183	0.8679	0.2208
46	0.7083	1.034	0.1595	1.0847	0.9426		1.0437	0.8709	0.2065
46	0.6898	0.9199	0.2393	1.0949	1.0279		1.1758	0.817	0.0841
47	0.9596	1.0414	0.9262	1.0962	1.0603	1.1184	1.0944	0.9524	0.9608
47	0.9866	0.2316	0.9314	1.0447	1.0922	1.1695	1.0896	0.9503	0.9814
47	0.9545	1.0767	0.9449	1.1243	0.8033	1.1443	1.1242	0.9382	1.0428
47	1.0436	1.0505	0.9349		1.1791	1.0942	1.1543	0.9297	1.016
49	0.7775	1.0082	0.9857	0.8206	1.1172	1.2854	0.9038	1.0691	1.5335
49	0.7949	1.0351	1.0122	0.8351	1.1186	1.2473	0.9197	1.0141	1.296
49	0.8056	1.0416	1.0076	0.84	1.0848	1.2471	0.8846	1.0333	1.3802
49	0.7689	1.05	1.0182	0.831	1.0616	1.1971	0.9008	1.0312	1.1744
50	1.0291	1.2334	0.8996	0.985	1.1467	1.1185	1.2531	0.514	0.3736
50	1.0146	1.2253	1.0751	1.188	1.0568	0.4942	1.1417	0.8696	0.8048

50	1.0575	1.1865	0.8726	1.1892	1.1216	0.6928	1.2194	0.9508	0.9515
50	1.0199	1.2023	0.8905	1.2377	1.1681	0.9983	1.2332	0.9576	0.8845
51	0.9178	0.7587		1.2905	0.7662	0.6979	1.2277	0.7744	
51	0.9148	0.7788		1.263	0.8117	0.7581	1.2511	0.7829	
51	0.9678	0.3409		1.2969	0.7862	0.9222	1.2293	0.7789	
51	1.0267	0.6859		1.3392	0.7601	0.9105	1.2377	0.7745	
52	0.6999	0.8035	1.0391	0.8857	1.038	0.8438	0.7445	1.0212	1.3041
52	0.6725	0.8219	1.0249	0.9341	1.0417	0.8065	0.836	0.971	1.0392
52	0.6613	0.831	1.1389	0.911	1.0206	0.8421	0.8016	0.9997	1.0885
52	0.6964	0.7812	1.0822	0.9185	1.1441	0.8593	0.8339	0.9896	1.0798
53	1.1062	1.0634	2.0251	1.3738	1.3127	0.9006	1.1956	0.79	1.074
53	1.1275	1.0602		1.368	1.3	0.9149	1.1933	0.7508	1.1091
53	1.1011	0.9908	2.8556	1.4394	1.237	0.9259	1.2267	0.7655	1.0889
53	1.1396	1.0613	1.0819	1.4025	1.1225	1.4586	1.2885	0.7764	1.1296
54	1.0361	1.3671			1.1455		1.3159	1.1696	0.2154
54	1.0294	1.4154		1.2491	1.1354		1.3521	1.1942	0.2666
54	1.0625	1.4419		1.2846	1.1372		1.3026	1.185	0.2382
54		1.5017		1.3189	1.1734		1.3538	1.183	0.9956
55	1.3957	1.2502	0.9884	1.3605	0.9112	1.2208	1.4011	1.1599	1.3359
55	1.3547	1.3155	0.9773	1.4071	0.7174	1.2001	1.4079	1.2292	1.3412
55	1.3271	1.2685	0.9905	1.3672	0.9479	1.1991	1.4204	1.1579	1.3772
55	1.3536	1.261	0.9891	1.3946	0.9401	1.2087	1.4256	1.2127	1.2674
56	2.6413	1.9335		3.6506	1.2308	2.4349	7.1058	1.1377	0.8221
56	2.7239	1.7913		3.7241	1.3309	0.7521	6.4038	1.1035	
56	2.6636	1.78		3.6994	1.2647	1.9394	7.0179	1.1144	
56	2.9167	1.164		3.7082	1.34	2.1405	6.2818	1.0649	0.1508
57	4.0563	2.6025	2.351	5.7858	1.6543	2.8937	13.6535	1.3793	2.6593
57	4.3494	2.7074	2.1281	7.3277	1.6484	1.0619	13.1235	1.3581	3.1025
57	3.8487	2.7424	1.4463	6.9322	1.6035	3.0733	13.9867	1.3228	1.3174
57	3.9813	2.7054	2.1001	6.7826	1.6632	2.973	14.0041	1.3025	3.419
58	1.3851	3.9175	0.5391	1.3848	1.0076	1.2939	2.2678	0.9104	0.2402
58	1.2618	5.5573	0.0962	1.5739	0.9518	1.3099		0.9528	
58	1.4093	2.2754	0.4595	1.4744	1.0578	1.4515		0.9057	0.559
58	1.2104	1.6581	0.1508	1.6893	1.1043	1.5417		0.9204	1.6691
60	1.4394	1.9897	1.3396	2.529	1.4448	1.8461	3.6454	1.3329	2.1694
60	1.4037	2.0447	1.3198	2.4933	1.4646	1.9262	3.9043	1.3407	2.2058
60	1.4755	1.9661	1.411	2.5863	1.4922	1.8064	3.4411	1.3167	2.0631
60	1.4879	2.0864	1.3532	2.641	1.474	1.9318	3.8144	1.4207	2.2661
61	0.8549	1.5142	0.7031	1.1228	1.1974	0.9793	1.2591	1.5597	0.8748
61	0.9035	0.9806	0.7963	1.1871	1.1433	0.9735	1.1408	1.6823	0.922
61	0.8648	1.3148	0.8266	1.2185	1.1581	0.9458	1.1667	1.6063	0.8826
61	0.776	1.2378	0.8455	1.1926	1.1122	0.9911	1.1719	1.6047	0.8896
62	1.0224	1.0934		0.9738	0.9454	0.862	0.9698	0.9098	
62	1.0225	1.0342		0.9725	0.967	0.3659	1.0955	0.8889	
62	1.0712	1.0444		0.9627	0.9476	0.9678	0.9634	0.8806	
62	1.0601	1.0308		0.985	0.7684	0.8886	1.0275	0.8605	0.7147
63	1.108	1.0887	0.8959	1.3398	0.7705	1.0534	1.4761	0.902	0.8982
63	1.1315	1.1093	0.8721	1.3555	0.8639	1.0507	1.4725	0.8993	1.2112
63	1.1333	1.1159	0.8503	1.4007	0.8781	1.0377	1.4774	0.9337	0.9636
63	1.1599	1.095	0.3809	1.43	0.8648	1.0635	1.5187	0.8968	0.9128
64	0.9518	2.0071		1.0856	1.1427	0.7192	1.2058	1.5212	
64	0.9392	1.8711		1.1217	1.1283	0.7321	1.1637	1.4587	
64	0.851	1.8101		1.123	1.1653	0.7552	1.1799	1.3807	
64	0.907	1.8967		1.1842	1.0972	0.7247	1.28	1.1829	
65	1.0831	1.0755	0.7216	1.0753	0.8906	0.6911	0.9569	0.9214	0.9847
65	1.081	0.9628	0.4538	1.0519	0.8835	0.855	0.961	0.9304	0.831
65	1.0376	1.0588	0.7124	1.1203	0.913	0.8715	0.9434	0.9249	0.8556
65	1.0363	1.1001	0.6929	1.0951	0.9181	0.9257	0.9504	0.9629	0.8667
66	0.9834	0.9776	0.8231	1.0281	0.7731	0.8601	1.0999	0.8464	0.8317
66	1.0104	0.9814	0.8307	1.0286	0.789	0.8611	1.102	0.7931	0.7987
66	0.9969	0.9608	0.8522	1.0122	0.7609	1.0393	1.0625	0.7958	0.8124
66	1.0086	0.9754	0.8445	1.0554	0.7532	0.8498	1.0852	0.7729	0.8007
69	0.7178	0.7129	1.2084	0.916	0.7338	0.8833	0.881	0.6339	1.0327
69	0.7541	0.6738	1.2363	0.8855	0.7537	0.8756	0.85	0.6414	1.034
69	0.7777	0.6826	1.303	0.886	0.691	0.7881	0.9066	0.6399	0.9732
69	0.8444	0.6812	1.3341	0.9528	0.7199	0.9986	0.9397	0.6101	1.0457
70	0.8178	0.854		1.0384	0.8168		0.9718	0.6752	
70	0.8282	0.8654		0.9448	0.7636		0.965	0.6395	
70	0.8765	0.9227		0.8869	0.8135	0.4502	0.9494	0.6203	
70	0.9099	0.8749		0.9305	0.8048	0.4165	0.8681	0.621	
71	2.6086	0.4434		0.9029	0.4842		0.8542	0.2271	
71	2.1501	0.3879		0.9513	0.4874		0.4764	0.1296	
71	0.8578	0.5245		0.8369	0.6011		0.4774	0.2443	
71	0.8372	0.4679		0.8342	0.5334		0.5641	0.3143	
14-Jan		1.0014	0.8471	1.3819	1.1946	1.5194		1.318	1.9844
14-Jan	2.453	2.2181	0.7823	1.1334	1.1672	1.4622	7.2761	1.0836	2.3092
14-Jan		1.9375	0.8672	1.4139	4.7901	1.3028	5.2542	1.3816	1.9696
14-Jan	1.9824	2.5449	0.8267	1.4165	1.183	1.4554	8.1907	1.3034	2.1148
14-Feb	1.2821	5.5708	0.7707	1.3826	1.1406	1.3062	1.6303	1.3711	2.2823
14-Feb	1.2201	1.7988	0.8693	1.4479	1.14	1.3585	1.6448	1.3462	1.9131
14-Feb	2.5746	2.0798	0.3424	1.5011	1.1215	1.0924	1.8203	1.2996	2.2811
14-Feb	1.0902	2.1485	0.4667	1.7382	1.2419	1.9121	1.6271	1.384	1.6303
14-Apr	1.7923	2.1166	0.837	1.3681	1.3717	1.4809		1.0276	
14-Apr	1.2475	1.989	0.9117	1.3515	1.2076	1.5406	0.3565	1.1018	
14-Apr	1.2392	1.9767	0.8847	1.4136	1.2268	1.4538	8.598	1.1333	
14-Apr	1.5001	2.1096	1.264	1.5047	1.3174	1.3536	1.7786	1.0415	2.0982
14-0	1.961	0.8638	0.8407	1.4018	3.7337	3.5623	4.6632	1.2542	2.4065
14-0	5.8182	3.0741	0.8279	1.2543	1.786	1.6858	2.8043	0.7696	1.9361
14-0	4.5584	2.4667	0.837	1.3502	1.1702	1.6538	1.3992	1.1203	2.4574
14-0		3.4081	0.8	1.4407	2.033	1.5239	4.3138	1.1196	2.3849
56-0	2.0973	1.507	9.8689	2.6192	1.2776	5.3582	24.4179	0.998	7.3964
56-0		1.4565	19.2026	2.6162	1.1413	4.6276		0.9442	3.0028
56-0	2.4429	1.5771	10.8676	2.6281	1.2332	4.2255	9.6626	0.9339	3.0973
56-0	2.3947	1.6678	7.9632	2.6169	1.1773	4.4324	9.6801	1.0247	2.5576
56-1	2.6026	1.4719	2.6039	3.9219	1.1848	3.3195	8.1129	1.0475	3.4822

56-1	2.7675	1.3546	8.4509	4.1116	1.3405	5.3296	9.1044	1.0542	2.7703
56-1	2.8624	1.7397	9.0072	3.984	1.2786	2.1927	8.655	0.9784	3.3819
56-1	13.6101	1.7635	7.401	4.3849	1.3251	4.0638	7.4505	1.0646	2.9604
56-2	2.8037	1.7744	2.9095	4.4102	1.376	6.6956	8.8366	1.0612	2.8054
56-2	2.7385	1.7196		3.9537	1.2232	0.7743	8.3636	1.1656	2.6786
56-2	2.961	2.0386	2.0201	4.4638	1.4261	2.3711	7.1265	1.1971	1.3888
56-2	2.8279	1.8893	1.8698	4.3028	1.3466	1.9484	7.257	1.165	2.2671
K 1	1.5785	0.2028	0.679	1.109	0.3849	0.5782		0.2927	0.8881
K 1	1.4926	0.4801	0.6752	1.3142	0.1847	0.8705	0.3237	0.3474	1.1734
K 1	1.3087	1.1633	0.6989	1.0787		0.8443	1.8968	0.3787	0.6901
K 1	1.5254	0.4479	0.7068	1.1245	0.875	0.9739	1.162	0.3163	0.7305
K0	2.1662		0.6279	1.0207		0.3214		0.4638	1.8685
K0	3.4784	0.5621	0.6517	2.853		1.0351	0.4386	0.2476	0.8743
K0	2.3348		0.6466	1.0089		0.9615	0.5485	0.3008	0.8331
K0	1.577		0.6412	1.0752	0.3547	1.035		0.2991	0.767
K10	1.2371	0.8424	0.7546	1.0806	0.9874	0.9058	0.6321	0.8329	1.0799
K10	1.3079	0.8616	0.6772	1.1043	0.9723	0.8501	0.5946	0.8378	0.9445
K10	1.4161	0.7088	0.7121	1.2179	0.9628	0.8316	0.6622	0.8149	0.9577
K10	1.4431	0.9586	0.7217	1.2337	0.8632	0.771	0.5924	0.7974	1.0055
K2	1.6518	0.5224	0.6091	1.3008	0.9083	0.3066		0.3909	0.3846
K2	1.6523	0.455	0.68	1.2814	0.4862	0.9339	2.3758	0.457	0.9514
K2	1.6425	0.8761	0.3696	1.1198	0.4655	1.0411		0.3977	0.9853
K2	1.6769	1.3782	0.5916	1.2257	0.5385	0.9339		0.3714	0.9364
K4	1.384	1.3576	0.6996	1.4138	1.8685	1.0546		0.4543	0.818
K4	1.4155	0.6865	0.6641	1.1704	0.6671	1.012	1.1919	0.507	1.3339
K4	1.4575	0.7555	0.661	1.2732	0.5775	0.8922		0.4945	0.9477
K4	1.5059	0.3035	0.6561	1.415	0.8943	0.9631	1.9809	0.4127	0.8327
K6	1.2903	1.4807	0.7704	1.1959	0.733	0.9966	0.4872	0.6631	1.109
K6	1.5082	1.8467	0.7849	1.2284	0.6198	0.9221	2.6521	0.5944	1.204
K6	1.4785	1.524	0.7714	1.2048	0.6799	0.8866		0.6251	0.9987
K6	1.4265	2.7557	0.8012	1.206	0.6858	0.8437	3.3857	0.7043	1.0124
SP-1	2.2557			1.196				0.319	
SP-1	3.0018			2.0165				0.5578	
SP-1	1.0516			0.5993					
SP-1	1.0956			0.6096			0.5142		0.7483
SP-2									0.4746
SP-2									0.3689
SP-2			1.072					0.251	
SP-2			0.5654	1.0386					0.5405
SP-3				1.2625					
SP-3				0.5831					
SP-3	2.365			0.6284					
SP-3	1.1244			0.773			1.2164		

Anhang 10:

Rohdaten der Celegans Toxchip Experimente mit TBT

	TBT										
Konz.	0,06 mg/l				0,012 mg/l				0,0024 mg/l		
Gene ID	37b	38b	39b	39b 2	37c	38c	39c	39c 2	37d	38d	39d
1	0.7805	0.4526	0.0942		0.6082	0.3531			0.5299	0.6798	0.3049
1	0.9378	0.4748	0.0484		0.6237	0.3088			0.5688	4.487	0.3214
1		0.4522	0.1878			0.3423			0.5803	12.0121	1.2847
1	0.6082	0.4365	0.2461	0.1431		0.3282			0.5924	1.3526	3.5396
2	0.367	0.5731			0.4479	0.2953		0.6978	0.5278	0.5264	0.6289
2	0.3489	0.5615			0.433	0.2633		0.3235	0.5424	0.5818	0.6093
2	0.373	0.5646		1.2694	0.4039	0.2896		0.0322	0.5385	0.5518	1.3724
2	0.3605	0.5417	3.1739	0.7952	0.3372	0.2846	0.2578	0.1461	0.5325	0.5311	0.5981
4	0.8625	1.407	0.5137	0.7436	0.6373	1.3453		0.0778	0.7854	1.4568	0.5637
4	0.8283	1.3948		0.4953	0.6344	1.2518		0.4837	0.7791	1.4389	0.563
4	0.7932	1.4002	0.3137	0.4585	0.6181	1.1841		0.1677	0.7781	1.4249	0.5535
4	0.8446	1.4249	0.7594	0.3325	0.605	1.2184		0.4031	0.7244	1.5246	0.5522
5	1.4406	1.557	0.5198	0.4707	0.8883	1.5265	0.7497	0.2331	1.3509	1.4747	0.8975
5	1.5359	1.7155	0.3131	0.2374	0.884	1.4963			1.3761	1.4929	0.9
5	1.6714	1.6702	0.641	0.1944	0.8772	1.4523	0.3905	0.2757	1.5288	1.4104	0.9637
5	1.3148	1.6208	0.6675	0.1845	0.8968	1.4024	0.2888	0.0909	1.3086	1.5066	0.9178
7	2.3473	0.8344		0.0842	0.7421	0.3694			0.6301	1.568	0.8897
7		0.8075		0.1454	0.7226	0.3137			0.7225	1.5769	2.4656
7	2.1633	0.8397		0.2047	0.6694	0.3989			0.6591	6.1326	0.8204
7	2.64	1.0442		0.3001	0.8306	0.3799			0.6524	1.748	0.6533
8	0.6178	0.8575	0.4636	0.3664	0.7602	0.4244			0.6263	2.3641	0.5978
8	0.5839	0.8655		0.3762	0.7554	0.3342		0.3723	0.6691	1.0652	1.354
8	0.6141	0.7277		0.3865	0.7014	0.3518	0.1809	0.5887	0.6433	0.9819	0.6122
8	0.7286	0.7828		0.4655	0.7058	0.3231	0.5309	0.0142	0.6153	1.0418	0.7438
9	1.0799	1.4495		0.5041	0.8965	0.6629	0.4599	0.5862	0.9189	1.5639	0.6805
9	1.3663	1.3644		0.488	0.8557	0.6905	0.5351	0.4981	0.955	1.5183	0.6163
9	1.1057	1.4173		0.4483	0.8967	0.7079	0.3137	0.5494	0.9225	1.6242	0.6212
9	1.2101	1.4185		0.4369	0.9437	0.7209	0.5318	0.5767	0.8798	1.5587	0.6052
10		0.5973	0.8816	0.2765	0.8066	0.5998	0.2556	0.3373	0.3278	1.2576	0.9103
10	3.5782	0.5323	0.2302	0.2353	0.7161	0.6306	0.2618	0.2797	0.8573	0.8354	1.0585
10		0.599	0.2598	0.259	0.7652	0.6659	0.3823	0.3178	0.6788	0.7813	0.494
10	0.7949	0.6125	0.2757	0.2799	0.7147	0.591	0.3825	0.2471	0.6627	0.8228	1.1639
11		0.709	0.522			0.6177		0.2763	0.3314	1.5333	
11	0.4487	1.4309	0.4921	0.4957		0.5768		0.3243	0.2603	0.9167	
11	1.278		0.5082	0.3375		0.6403		0.4007	0.5852	5.4793	
11	2.2571	1.5573	0.5019	0.5254	1.2572	0.4826		0.4375	0.4255		
12		3.1116	0.9598	1.4091	0.772	1.6984	0.2047	0.3452	0.4915	5.0157	0.6452
12		3.0788	0.9685	0.9717	1.0328	1.9241	0.4007	0.5693	0.4633	4.7575	0.6637
12		2.745	0.8483	0.9133	0.8509	2.1106		0.8452	0.4815	4.2501	0.6297
12		2.4474	0.9531	1.336	0.7592	1.907	0.7513	0.8019	0.5023	5.0923	0.7091
13	0.3401	1.3148	0.731	0.9923	0.4746	0.9623			0.4796	1.1308	0.9552
13	0.3582	1.3281	0.73		0.5422	0.922			0.4636	1.1414	0.961
13	0.3589	1.3059	0.732		0.4726	0.9097		0.4505	0.4696	1.1961	0.8779
13	0.3395	1.2182	0.6185	0.6811	0.5415	0.9064	0.7615	0.6858	0.4704	1.1038	0.9492
14	0.2841	6.0372	0.6184	0.5069	0.7144	6.1009	1.1472	1.0725	0.2783	9.8656	0.5127
14	0.2818	6.2011	0.2555	0.5263	0.7154	6.0678	1.069	1.1672	0.268	9.9663	0.5098
14	0.2802	6.5063	0.5721	0.5169	0.7311	5.9181	1.0249	1.1275	0.2808	10.0395	0.5083
14	0.2756	6.5191	0.566	0.5244	0.7386	5.8466	0.989	1.093	0.2775	9.5154	0.5007
15	0.559	0.876	0.3211		0.6174	0.7857		0.1908	3.2172	0.8181	0.7517
15	0.6534	0.8795	0.2407		0.5348	0.8128		0.1844	0.6675	0.7485	0.3638
15		0.7627	0.2821	0.0724	0.5607	0.7219			0.6698	2.227	
15	0.7164	0.7123	0.3825	0.2011	0.535	0.7757		0.1932	0.6341	0.5876	0.8019
16	0.482		0.1021	0.0549	0.229	0.1817				4.7759	0.6563
16		0.6205	0.0867		0.5944	0.1714		0.0943	1.2771	0.6629	0.2883
16		0.6023	0.1182	0.0292	0.535	0.3539			0.279	0.711	1.2183
16		0.6855	0.0775	0.0362	0.5296	0.45		0.0689	0.5293	0.9475	1.0139
17	0.6846	2.4285	0.6512	0.5325	0.739	2.0038	1.0175	0.7973	0.887	2.4438	1.0253
17	0.6867	2.5446	0.6522	0.4982	0.7972	1.9191	0.3919	0.8143	0.8612	2.4052	1.0224
17	0.6926	2.5022	0.6556	0.6104	0.7753	1.8673	0.9834	0.8065	0.8629	2.2959	1.0094
17	0.684	2.4924	0.6332	0.606	0.7627	1.8875	0.9351	0.8162	0.879	2.461	0.9891
18		0.6557	0.5081	0.4183	0.8335	0.7128		1.2127	2.1092	1.146	1.2057
18	1.6948	0.6847	0.5824	0.4121	0.6472	0.686	0.1782	0.834	0.8148	1.1099	0.5533
18	0.5906	0.6312	0.54	0.4347	1.1532	1.5802	0.0932	0.9385	0.9488	0.9143	0.5984
18	0.8942	0.6291	0.6931	0.3303	0.8754	0.7957	0.5369	0.6767	2.1564	3.0831	
19	0.6593	1.0188			0.4972	0.7846			0.6439	0.7048	0.3308
19	0.6403	0.9341			0.5099	0.7098			0.6344	0.7229	0.3397
19	0.6526	0.7936			0.5844	0.6902			0.6258	0.6228	0.3732
19	0.6125	0.8269	0.3315	0.0319	0.5413	0.7153			0.6288	0.5633	0.3838
20	0.7966	0.9873	0.101		0.8637	1.1216			1.0032	1.2452	
20	0.7936	0.9877			0.9262	1.0694			1.028	1.3031	0.7068
20	0.8166	0.946		0.2123	0.8876	1.1459			1.0109	1.2901	0.7218
20	0.7857	0.9619	0.1749	0.5581	0.9319	1.1372			1.0348	1.296	0.6842
21	1.1317	0.9979	0.2035		0.6786	1.9524			0.9692	0.8671	0.5516
21	1.3719	1.041	0.6466		0.5862	1.8627			0.9717	0.8942	0.6132
21	1.4762	0.8567	0.7453		0.7304	2.056	0.2114		0.9506	0.9662	0.5945
21	1.1154	0.9292	0.6888		0.7429	2.2114	0.6328		0.9708	0.9089	0.6145
22	1.1715	1.277	0.8997	0.8342	0.6862	1.8451	0.9414	0.35	0.8235	1.6448	1.0771
22	1.0548	1.2873	0.9104	0.8988	0.7727	1.8391	1.004	0.9517	0.7697	1.731	1.0327
22	0.9568	1.2329	0.8778	0.8475	0.8366	1.758	0.9509	0.9085	0.7616	1.7587	1.0076
22	0.934	1.3004	0.8989	0.9253	0.8401	1.8787	0.9412	0.9123	0.8308	1.7672	1.1226
23	0.3072	4.095	0.2357	0.2145	8.9914	1.0209	1.3059	1.1693	0.2537		1.1452
23	0.3158	3.6349				1.2248		0.9685	0.2727	10.4721	0.9664
23											
23	0.3176	14.6918			0.6236	1.0929	0.143	1.0747	0.2846	26.0791	1.0863
24	1.299	1.5579	0.7183	0.5287	0.8462	1.2091	0.9094	0.8617	1.2616	1.5178	0.829
24	1.4074	1.5924	0.6109	0.5772	0.9272	1.2327	0.9075	0.9018	1.2922	1.5563	0.8596
24											

24	1.3874	1.65	0.2736	0.5758	0.869	1.3291	0.8335	0.8593	1.2004	1.4228	2.869
25	1.1341	2.0066	0.8576	0.7386	0.9764	2.9766	0.7279		0.8665	1.3982	0.8552
25	1.2867	2.0916	0.6902	0.6952	1.103	3.1573	0.7752	0.1741	0.8492	1.5695	0.4566
25											
25	1.2581	1.9588	0.808	0.7135	1.1131	2.8287	0.7344	0.5922	0.8552	1.4989	0.6783
26		26.5466	5.9291	5.0434		31.1087	40.6649	33.8099			18.4842
26		30.8731	7.3228	10.8318	27.7541	6.9124	3.1729	12.3001		25.5837	
26											
26		16.3755	7.6877	5.7542		12.1416	5.4945	2.6413			29.6442
27	7.2924	10.4375	5.5322		2.2211	2.6259		2.9244	1.3842	1.8992	1.5653
27	7.5636	9.4247	5.5146	4.7191	2.6759	2.7342		2.6703	1.3249	1.7832	3.035
27											
27	7.1217	9.7839	5.2295	38.2242	2.3217	2.6134		2.8739	1.3632	1.6712	1.5154
28		0.3991	0.3512		0.9452	0.1495		0.4933	0.3975	0.3267	0.199
28	0.693	0.4023			0.7876	0.2366		0.8258	0.4171	0.4504	0.6379
28											
28	1.7208	0.377			0.7591	0.2691		0.5677	0.37	0.4782	1.7209
29	2.5053	0.8163			0.708	1.0661			0.6515	1.1984	0.3445
29	1.8449	0.9431			0.7139	1.0054			0.6842	1.156	0.8246
29											
29	0.7958	1.0333			0.6756	1.079			0.6776	1.1218	0.8172
30		0.1663	0.1678		0.5454	0.1136	0.0379			0.0549	0.0918
30	0.47	0.1665			0.4961	0.1209			0.1279	0.0416	0.1665
30											
30		0.1583			0.5182	0.1223			0.344	0.0666	
31	0.9404	1.3138	0.6967		0.3555	1.1262	0.777	0.526	0.3985	1.1234	0.555
31	1.171	1.2501	0.7239	0.7444	0.3376	1.1368	0.7256	0.6876	0.4011	0.9296	0.6032
31											
31	1.3096	1.3066	0.71		0.3522	1.1581	0.0378	0.2757	0.3497	1.6134	0.6098
32	1.2569	1.2135	0.959	0.9188	0.8242	1.2685			0.9856	1.1829	0.6873
32	1.3536	1.1941	0.8958	1.0039	0.854	1.2221		0.5731	1.0155	1.221	1.5071
32											
32	1.3811	1.1724	0.3134	1.0134	0.8868	1.2722		0.2889	0.9956	1.1617	0.661
33	1.0395	1.0135	0.9934	0.9534	1.013	1.0042	0.9929	0.9911	1.0212	1.0103	1.0061
33	0.9841	1.0051	1.002	1.0302	0.9672	1.0026	1.0101	1.0015	0.9921	1.0102	1.0014
33											
33	0.9764	0.9842	1.0053	0.981	1.0054	0.9932	0.9953	1.0075	0.9892	0.9809	0.9925
34	0.9852	1.3597			0.7792	1.1982			0.8888	1.2655	1.7118
34	0.9606	1.3753			0.771	1.0905			0.882	1.0577	0.7608
34											
34	0.8937	1.2642			0.8304	1.0368			0.9258	1.1489	0.7566
35		1.0887	0.7839		0.5634	3.286		0.0783	1.1692	1.3879	0.3261
35			0.6354		1.6122	3.8201		0.0524	0.9378	2.7952	0.318
35											
35		1.7185	0.3503		0.2715	3.699		0.063		1.2741	0.3305
36	2.3974	1.157	1.2337	1.0867	0.5597	3.0043		0.2709	1.0204	1.4301	0.4343
36	2.377	1.1229	1.1243	1.1394	0.5574	3.1874	0.4058	0.4003	1.0238	1.3902	0.4248
36											
36	4.3664	1.2482	1.0684	1.1634	0.6139	3.1181	0.3185	0.2919	1.027	1.5123	0.427
37	0.7916	1.2324	1.0197	0.903	0.8991	1.4343	1.0193	0.9809	0.8525	1.4964	0.8961
37	0.8132	1.2236	1.0238	0.7187	0.8981	1.3856	1.0473	0.925	0.823	1.5029	0.8749
37											
37	0.7944	1.2645	1.051	0.814	0.9453	1.408	1.016	0.9702	0.8373	1.5143	0.8832
38	0.9634	0.3276	0.8926	0.4089	0.359	0.6754	0.1524	0.2217	0.9669	0.49	0.6422
38	1.0026	0.3248	0.6542	0.3222	0.4096	0.7014	0.4673	0.1588	0.9743	0.523	0.5625
38											
38	0.9616	0.3296	0.611	0.3624	0.3864	0.6787	0.112	0.3934	0.9884	0.517	0.5821
39	1.1802	1.7684	5.8674	2.4459	1.2185	2.7806	2.3556	1.9951	0.8923	0.5688	1.4417
39	1.2999	1.7273	3.2122	3.8029	1.2209	2.8429	9.7391	1.7856	0.9332	0.4456	1.7688
39	1.2192	1.7739	7.6031		1.1992	2.7449	4.5422	1.7675	0.9697	0.4978	1.821
39	1.0609	1.6409	6.5244	53.5247	1.2318	2.898	6.2964	1.695	0.8735	0.536	1.8687
41	0.3894	1.2743	0.9699	0.7654	0.4804	1.0671	0.8941	0.1374	0.3218	1.4527	0.4692
41	0.4086	1.464	0.2663	0.3218	0.5238	0.8209	0.3222	1.0454	0.3417	1.6449	0.6198
41	0.3949	1.374	0.975	0.2483	0.4299	1.0811	1.0226	0.5691	0.3234	1.6771	0.449
41	0.3665	1.5431	1.0364	0.2927	0.4155	1.0689	0.3565	0.5803	0.3193	1.7577	0.5677
42	0.5541	2.1402	0.9699	0.8496	0.8072	1.7044	0.9828	0.7779	0.7753	1.3966	2.274
42	0.5219	2.9681	0.8959	0.7738	0.4977	2.066	0.9925	0.918	0.7955	1.5331	2.0794
42	0.562	3.8299	0.9109	0.8428	0.8518	2.1047	0.985	0.9871	0.8855	1.1874	0.6614
42	0.5807	2.8543	0.9268	0.8166	1.0527	2.081	0.9601	0.9667	0.6743	1.4952	0.6291
43	0.8186	0.6043	0.83	0.6979	0.6348	0.7322	0.6469	0.6042	0.6793	0.7496	0.4057
43	0.7738	0.6431	0.8936	0.7929	0.6307	0.7162	0.6682	0.5591	0.647	0.738	0.4267
43	0.8596		0.9606	0.902	0.5613	0.7037	0.6421	0.6987	0.7221	0.8327	0.3854
43	0.6145	0.6425	1.0634	0.8055	0.6326	0.7663	0.7174	0.6041	0.7807	0.7383	0.4263
44	1.2303	1.2641			0.6549	0.8259		0.2456	0.5432	1.4764	0.5739
44	0.6473	1.0069			0.7262	0.8847			0.5348	1.4319	0.5978
44	0.6716	0.9293			0.8317	0.9596			0.5624	1.4871	0.5595
44	3.3049	1.0396	0.0836	0.4117	0.6701	0.973			0.6165	3.8623	0.5588
45	2.6061	2.7142	1.9009	4.9503	1.9533	0.6964	1.1282	1.0616	2.3864	1.7749	1.1954
45	2.5399	2.7715	1.8965	4.7549	1.8621	0.7159	1.1363	1.0432	2.4259	1.7821	1.2179
45	2.6698	2.6891	1.9086	1.9605	1.7942	0.6807	1.1296	1.1313	2.4293	1.7622	1.1972
45	2.7048	2.7381	1.9732	1.8751	1.8534	0.6896	1.1462	1.016	2.4238	1.7336	1.2073
46	0.5841	1.5041	0.8678	4.9503	0.6676	1.1589			0.5079	1.4923	0.627
46	0.5565	1.5908	0.6405	4.7549	0.5942	1.2654			0.5048	1.4463	0.66
46	0.5642	1.5305	0.5751	1.9605	0.672	1.1115			0.5198	1.4797	0.6854
46	0.542	1.5361	0.3035	1.8751	0.5993	1.1084		0.3797	0.498	1.5647	0.6759
47	1.0365	1.9186	1.0247	0.9493	1.7263	1.3676	1.0148	1.0305	1.1855	1.8754	0.9495
47	0.9805	1.8912	1.053	0.9812	1.7	1.3545	0.9958	1.0068	1.126	1.7831	0.9329
47	0.9952	1.8534	1.1019	1.0193	1.6816	1.3893	1.0604	0.9438	1.1689	1.7932	0.9542
47	0.8531	1.8661	1.0248	0.9884	6.1569	1.3605	1.0471	1.0029	1.2448	1.8618	0.9354
49	1.1515	1.3749	1.0731	2.6921	1.3751	1.7897	1.0614	0.7497	1.2795	1.4466	0.8684
49	1.1651	1.3832	1.0889	1.043	1.2355	1.8014	1.0531		1.2875	1.4608	0.9153
49	1.0823	1.3482	1.0961	0.9043	1.2805	1.6181	1.0378	0.8373	1.3392	1.6239	0.924
49	1.0845	1.3214	1.1035	0.9251	1.2624	1.7821	0.9601	0.7882	1.3016	1.4839	0.9095
50	0.9843	1.3685	0.1643	0.5577	0.9327	1.2382		0.2857	0.8661	1.5805	0.985
50	0.9961	1.3677	0.1226	0.1877	0.8827	1.2127			0.8632	1.581	0.9796

50	1.0216	1.4201	0.0831	0.5495	0.9149	1.2005	0.5422		0.859	1.6316	0.9832
50	1.0018	1.3932	0.3253	0.7718	0.89	1.1815		0.1433	0.8642	1.6512	0.9618
51	0.4675	1.2346		0.2765	0.524	0.7961	0.8386	0.2023	0.6652	1.1921	0.8491
51	0.4823	1.2456			0.5407	0.8094	0.766	0.661	0.6257	1.1498	0.8257
51	0.4897	1.254		0.4897	0.5831	0.8203	0.8805	0.9398	0.6485	1.1642	0.8499
51	0.4591	1.2456		0.5834	0.5934	0.8029	0.9106	0.8514	0.6231	1.1452	0.814
52	0.472	1.6519	0.7367	0.6468	0.5352	1.2703	0.8657	0.8124	0.5551	1.7511	0.7006
52	0.4912	1.6152	0.7669	0.6038	0.5576	1.1974	0.8516	0.118	0.5872	1.7133	0.7129
52	0.4788	1.6372	0.7294	0.4407	0.5308	1.1839	0.8808	0.9149	0.5876	1.7873	0.7185
52	0.476	1.7625	0.8029	0.6913	0.562	1.2353	0.8676	0.712	0.5747	1.6858	0.695
53	1.0604	1.0132	1.3527	1.8375	0.7233	1.1999	0.6807	0.473	1.1664	1.1765	0.4015
53	1.0796	1.076	1.2945		0.8314	1.1987	0.1507	0.5346	1.2146	1.2044	0.4208
53	1.0211	1.032	1.2512	1.8639	0.7885	1.2473	0.1511	0.4672	1.2145	1.121	0.41
53	1.0451	1.003	1.2752	1.0409	0.8309	1.1784	0.1175	0.5276	1.1666	1.1422	0.9518
54	0.9596	0.8678	0.5985		0.712	2.0633		0.1404	0.8262	1.6024	0.9203
54	0.9634	0.6405	0.5272		0.6894	2.0259	0.2363	0.1066	0.7416	1.6118	0.9265
54	0.9553	0.5751	0.2284		0.7289	2.0776	0.8505	0.3331	0.8182	1.6097	0.894
54	0.9783	0.3035	0.5248	0.2971	0.7115	2.0926	0.9839	0.3048	0.832	1.5728	0.8925
55	0.5724	1.2159	0.6086	0.5013	1.0654	0.4328	1.0233	1.3618	0.4275	2.361	1.7118
55	0.5485	1.2124	0.4238	0.5203	1.0907	0.4072	1.2946	1.5922	0.4239	2.5014	1.6587
55	0.578	1.238	0.619	0.5192	1.1248	0.4035	1.0052	2.8236	0.3719	2.4752	1.6943
55	0.577	1.2091	0.6329	0.4953	1.1217	0.3992	0.9838	0.9464	0.4002	2.6855	1.7041
56	3.3964	1.9621	0.0277	0.0312	4.25	0.4396	0.5868	0.1625	3.3506	0.6518	0.8188
56	3.4308	1.7702	0.026	0.0392	1.7585	0.436		0.6243	3.4067	0.629	0.7682
56	3.5551	1.8131	0.134	0.0242	1.7593	0.486		0.6311	3.1862	1.8541	0.7633
56	3.3407	1.8471		0.1032	1.7855	0.4426	0.4977	0.6664	3.156	1.6538	0.792
57	4.4037	5.1757	0.1247	0.1583	2.3547	1.2723	1.3514	1.1291	4.241	3.0738	1.3579
57	4.5839	5.2923	0.1243	0.1529	2.4039	1.2238	1.3628	0.6738	4.3914	2.9971	1.3109
57	4.8574	5.0613	0.1434	0.1526	2.3667	1.2129	1.2476	0.5344	4.5707	2.9959	1.3221
57	4.8864	4.9203	0.0741	0.1499	2.4261	1.1616	1.3052	0.3168	4.5317	2.9707	1.3109
58	0.4783	4.2583	0.1985	0.3623	1.551	0.6629		1.1628	0.346	5.197	0.9011
58	0.459	4.3346		0.3727	1.2193	0.7321	1.3145	1.0694	0.3499	5.3438	0.9085
58	0.4974	4.5025		0.3634	1.3069	0.5915	1.2148	1.1187	0.352	5.7196	0.9196
58	0.447	3.9179		0.1729	1.306	0.5913	1.2122	0.9213	0.3521	13.2648	0.8989
60	2.4514	2.9318	0.3808	0.3257	1.8426	0.7027	1.1288	1.0785	2.3186	1.8458	1.1771
60	2.4226	2.8103	0.3922	0.3227	1.9073	0.6909	1.1446	1.0673	2.4266	1.7773	1.2265
60	2.5007	2.8682	0.4167	0.3221	1.9334	0.7049	1.1349	1.1019	2.3211	1.8241	1.2736
60	2.5402	2.8933	0.391	0.3312	1.8828	0.6992	1.1396	1.0895	2.4359	1.806	1.2823
61	0.6856	1.5233	0.8885	0.744	0.8458	1.8019	0.7787	0.9188	0.9013	1.7254	0.7726
61	0.7583	1.5523	0.7569	0.665	0.8396	1.9912	0.9407	0.761	0.9719	1.7461	0.804
61	0.7468	1.6062	0.8545	0.6999	0.8545	1.9611	0.8832	0.8898	0.8892	1.7446	0.7639
61	0.7276	1.5541	0.8154	0.6703	0.8501	1.972	0.9688	0.8594	0.9331	1.7092	0.7956
62	1.1822	1.4988			1.3722	2.1134			1.2668	1.444	0.6825
62	1.2099	1.4438			1.4028	2.0181			1.2908	1.4065	0.7417
62	1.2124	1.3804			1.3238	1.9421			1.2852	1.3751	0.7035
62	1.1535	1.4175		0.3189		2.0481	1.051		1.2904	1.3912	0.6812
63	1.0229	1.3483	0.9431	0.8547	1.3106	1.5335	1.1387	1.0653	1.2531	1.5835	0.9341
63	1.041	1.3567	0.9303	0.8818	1.3123	1.5798	1.1555	1.0175	1.2839	1.571	0.9306
63	1.0644	1.3678	0.9282	0.8625	1.3468	1.603	1.15	1.04	1.2397	1.6088	0.917
63	1.0992	1.349	0.9191	0.8666	1.3679	1.6002	1.1627	0.9182	1.2513	1.5895	0.9182
64	0.456	0.9452			0.4983	1.1686	0.2554		0.8259	1.069	0.7012
64	0.4659	0.9638			0.5107	1.2652	0.713	0.0444	0.8145	1.1021	0.7177
64	0.4569	0.9768			0.5439	1.2414	0.2274	0.0372	0.8189	1.0642	0.6929
64	0.4605	0.9657			0.5511	1.2854	0.8199	0.2482	0.8276	1.0062	0.6633
65	0.6361	1.0429	0.7357	0.3616	0.4938	1.2898	0.8866	0.8938	0.5919	0.9399	0.9663
65	0.6278	1.0205		0.194	0.4926	1.3058	0.8326	0.2452	0.5874	0.9222	0.954
65	0.6204	1.0628	0.2112	0.2132	0.5009	1.285	0.7446	0.1563	0.6059	0.946	0.9615
65	0.6343	1.0615	0.9113	0.2427	0.4773	1.3129	0.939	0.3313	0.5961	0.967	0.9628
66	1.0175	0.9468	1.0035	0.9419	1.0444	1.1063	1.2057	0.9486	1.0514	1.0997	1.0436
66	1.0147	0.9075	0.9893	1.0756	1.0341	1.1309	1.2002	0.9948	1.1074	1.0563	1.0575
66	0.9759	0.9145	1.0667	1.0339	1.0452	1.2115	1.0818	0.986	1.0991	1.0585	1.0433
66	1.0048	0.9019	1.0084	0.9104	1.0699	1.0907	1.1926	0.9887	1.1367	1.0192	0.9395
69	1.0694	0.9476	1.2724	0.9568	0.6655	0.7537	0.4764	0.4136	0.9465	0.8228	0.3571
69	0.9518	0.9802	1.1723	0.973	0.6848	0.7746	0.4311	0.4222	0.967	0.8074	0.3307
69	0.952	0.9272	1.1702	0.9474	0.6808	0.7897	0.4965	0.3502	1.0322	0.8277	0.3234
69	0.9544	0.9613	1.1332	1.0197	0.7184	0.764	0.4895	0.3574	1.0012	0.8242	0.3138
70	0.5208	1.0531			0.3374	0.4467			0.4978	0.7099	0.5413
70	0.4869	0.8741			0.3434	0.4501			0.4557	0.7248	0.5616
70	0.4249	0.8886	0.031		0.4308	0.4267	0.1234		0.4551	0.6987	0.5934
70	0.4652	0.8204	0.068		0.4059	0.5339	0.1588	0.3269	0.4796	0.7061	0.5863
71		0.2404			0.2557	0.2838			2.4541	0.8272	1.5622
71	2.0317	0.2322			0.3114	0.2731			1.7487	0.7498	1.5819
71		0.2167			0.3731	0.2776			0.5482	0.7039	2.3899
71		0.3004		0.0409	0.3783	0.3284	0.0273	0.0933	0.6624	0.6505	2.3277
14-1	0.2875	9.5552	0.5921	0.4945	0.7919	7.1511	1.0854	1.0709	0.2791	10.2191	0.4941
14-1	0.2783	10.9673	0.5677	0.477	0.7202	7.1003	0.9637	1.0298	0.2694	11.8453	0.5078
14-1	0.2756	11.7152	0.5785	0.4793	0.6914	7.5601	1.0163	0.8529	0.2634	10.0577	0.4999
14-1	0.2789	10.2321	0.4389	0.4856	0.74	7.4339	1.1501	0.7541	0.2741	11.7725	0.5089
14-2	0.2778	11.8778	0.5563	0.521	0.7848	7.1501	1.1531	1.0806	0.2796	11.5759	0.4817
14-2	0.2814	11.5876	0.5798	0.4917	0.7286	7.239	1.1121	1.0682	0.2755	10.4411	0.4785
14-2	0.2742	10.7	0.56	0.5383	0.7616	7.2738	1.1829	1.0474	0.2781	11.6815	0.4947
14-2	0.2723	11.1559	0.55	0.4998	0.7364	6.7175	1.0924	0.9624	0.2849	11.6677	0.478
14-3	0.2809	8.5664	0.1424	0.4559	0.7337	5.738	1.1681	0.9453	0.2776	9.7941	0.4715
14-3	0.2876	8.5296		0.4364	0.7037	5.9175	1.1527	0.9873	0.2791	8.9332	0.4799
14-3	0.2884	8.1143	0.1016	0.4716	0.7116	5.4932	1.0825	1.9694	0.2863	8.1562	0.4677
14-3	0.287	7.7502	0.5021	0.4887	0.6906	5.6597	1.1439		0.2747	10.0584	0.4674
14-0	0.2903	8.1486	0.5933	0.4555	0.719	8.1444	1.162	1.0623	0.3375	11.4647	0.5564
14-0	0.3117	8.5112	0.5908	0.5058	0.7561	8.2537	1.1411	1.0758	0.3494	10.8075	0.5273
14-0	0.309	9.7623	0.5991	0.5034	0.7254	7.9741	1.142	1.0169	0.4205	9.3062	0.531
14-0	0.269	9.402	0.6133	0.4593	0.8358	7.0438	1.1033	1.0078	0.3761	11.5668	0.5265
56-0	8.8764		0.1669	0.1243	1.6626	0.5668	2.5938	0.9751	3.445	1.131	3.0462
56-0	3.1397	3.3295	0.1517	0.1317	1.9795	1.672	0.9305	0.8405	3.2385	0.9515	0.8644
56-0	3.3086	3.45	0.278	0.0931	2.01	0.5236	1.9113	0.9032	4.0598	2.2611	1.7576
56-0	2.541	3.6715	0.0953	0.1101	1.9905	0.6117	0.9096	0.8697	3.7198	0.5531	1.9865
56-1	3.392	3.5208	0.1534	0.1218	2.0176	1.4196	0.9817	0.8105	3.3005	1.2873	1.0871

56-1	3.1278		0.1545	0.111	1.9577	1.5475	0.9359	0.6562	3.066	0.8992	0.9339
56-1	3.2893	4.7776	0.1485	0.1145	1.9913	1.5849	0.9501	0.8355	3.1347	3.0469	0.879
56-1	3.1073		0.1418	0.1035	1.9672	1.5517	0.9382	0.8558	3.0498	1.1999	1.0167
56-2	3.2877	1.7918	0.0267		2.41	0.2094	0.8139	0.8298	3.2639	3.7307	0.8364
56-2	3.506	1.81	0.0477		2.0129	0.4723	0.8742	0.8657	3.3996	1.0741	0.839
56-2	3.4813	1.9112	0.1658		2.265	0.5229	0.6768	0.4193	3.3834	1.0348	0.836
56-2	3.381	1.7496	0.0436		2.3681	0.5168	0.8263	0.7607	3.2691	1.02	0.8227
K 1			0.7066	0.1968		0.3592	0.9446	1.2545			0.331
K 1			0.859	0.7751		0.4608	3.3503	1.0784		3.9923	1.0172
K 1			0.9033	0.9091		0.3973	0.8664	1.0657	1.0782	25.8751	
K 1			0.9977	1.0418			0.903	1.1887	0.9523	1.43	3.9286
K0			0.5846	0.9217				2.1416		2.6758	4.5877
K0			0.5847	0.7656		0.579	2.1012	1.0297		47.101	2.321
K0			0.6699	0.6342		2.174	1.9606	0.5112		9.2063	
K0			0.7416	0.9202		1.8747	0.7973	1.0529	0.5484	5.8137	
K10	2.2637		0.8183	0.9184	3.0663	1.3004	0.8112	0.9855	0.7337	6.9999	
K10	1.4945		0.7672	0.7811	1.0482	1.2377	0.7934	0.9082	0.8404	2305.1782	1.3947
K10			0.8375	0.8158	0.5077	4.2826	0.8797	0.9241	0.753		2.3668
K10	0.57		0.6182	0.7849	2.3127	2.8091	0.8633	0.8686	0.9798	28.0211	1.4464
K2			0.8298	0.7559		1.1386	0.9326	0.662	1.6058		1.5902
K2			0.8485	0.9864		1.2288	0.8531	0.729	1.5142		
K2			0.9274	1.732		1.6572	0.8611	0.7311			0.173
K2			0.7276	0.7376		1.2063	0.8121	0.8214			0.1707
K4			0.7617	0.878		2.2501	0.965	1.1206			1.9422
K4			0.3849	0.9059		0.7609	0.9604	1.0481			
K4			0.7302	0.7888		1.2651	0.9409	0.6556			
K4			0.6605	1.0484		1.6482	0.8995	1.0275		5.846	
K6			0.7918	0.9272		0.8852	0.9164	0.9535	2.0733		1.6634
K6			0.9033	0.94	2.3264	1.0786	0.9273	0.832	1.3911		
K6			0.8874	0.9276		1.2504	0.8494	1.0238	2.4121		
K6			0.8553	0.8721		1.1906	0.8304	0.9652	2.0126		0.1491
SP-1								1.9291		0.2404	
SP-1											
SP-1										0.1524	0.2884
SP-1										0.0686	
SP-2										1.3009	0.6791
SP-2										0.8176	0.8509
SP-2						0.3256				0.4497	0.4537
SP-2										0.0704	
SP-3						0.6294				0.8181	2.2744
SP-3						0.6576				2.8515	
SP-3		0.222						0.0804		1.7596	
SP-3						1.1097	1.3499			1.9008	

Lebenslauf

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Publikationen

Reichert, K. und Menzel, R. (2004): Expression profiling of five different xenobiotics using a *Caenorhabditis elegans* whole genome microarray. Chemosphere (eingereicht).

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Erklärung

Hiermit erkläre ich, dass ich die vorliegende Dissertation selbständig und nur mit Hilfe der angegebenen Mittel und Quellen angefertigt habe.

Berlin, 26.03.2004 _____

Kerstin Reichert