

# 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	TGGATTCCTCGTTTTTGTG	AGCAAGGCAGAAACTTCCAA
B0218.8	748	TCGAGCTCTAGATGCTCAC	GATCAGCAACTAAGAAGTC
B0238.13	839	TTTTGCCAAACACAATTGGA	CTCCCACTACCGAATTGGA
C01F6.3	380	TCAAGCGGAACCTGGATGAAG	GAGCCATGATGACCTTCTCT
C02E7.1	816	GATGCCGAGTGATTGGATTT	CTGCTTCTGGTCCCTCGTAG
C03G6.14	1164	AGCCAATGATTCTCCAATGC	GGTGTTTTGGTAACCAACG
C03G6.15	1195	TTCAATTAGGTACGGTAATA	ACCGAAGATCAAATACAATTCTG
C06B3.3	1203	TCAGAAAGGAATATGGAGAC	CAAAAAAGTTTTTACTAAATA
C08F11.8	730	TTCGAAGCCATTAATAATCCG	TGATCAGCGAATAGGGGAAC
C09H5.2	842	AACAGCGCAAGCAGAGAA	TGATCCAAAGTTGTAACGTG
C10H11.3	823	TAATGTGACATTTGTTGTTT	CAGTCCATTTCTCCATTTCA
C12C8.1	1014	TTTGTCCTTTGCTTCAATTTCA	CTGAAGCAACTGTAGAGGTGCGAT
C17H12.4	820	TTTCGTAGACTTTTCCCAATTC	AAGATCAAAGTATTGCTCCACA
C23G10.6	1058	ACACCACAGCAGCATGATA	GCTTCCCAAGTTTGCATGT
C29F7.2	891	TGGGAGTGGAATTTTGGACAAC	TCAGTTTGAAGAAGTGGAGAAT
C42D8.2	798	TACTCTCTTATCGCCAAGGA	GACTGGGTAGTCGTCAAGTT
C44B7.9	1158	CTCCTCTGACAGTACATCCATC	TCTTGGAACTCACTTGGATTCT
C44H4.3	1148	ACCCAGTGGTTTGCCTAAG	TACGATTCAGCTGCGATGAG
C47E12.4	1170	CTTCTGTTTATCGATTCGTGCT	GCCAACAAGGACAAGAGTTTA
C49C8.4	869	GGTGATAGATGGATTCAGCAAAG	GAATATCTCTGGATCATA
C49G7.8	1194	TAGAAAGAGATATGGCAACATT	CCGAAGATTAATATAAATTCTG
F01D4.2	825	GATATAATGTGACCCTTCTG	GTGATTCCTTTCATGTCATCT
F08F3.7	1159	TCTGCAGTCCAGCGGATA	TACAGTCTTGTTCACAGTTTT
F13H6.3	1375	TATAAATCATGATGATGTGAT	TTCCATATTTGGCAAATTTGA
F26D10.3	694	AGAGCCAAGTTCATGACATC	TTGAGCTTCTCGTCTCAAT
F26H9.6	378	AACTGTGTGCCTTGACGATG	GCTGGTCCGATTGGCAACTT
F28G4.1	810	TTGACGTCGACACGATCAAA	GTCCCGTTAATAACCATAT
F36A4.7	993	GGACGACGTGTTCTACGAT	GTTGGCGAATAACTGGGAGA
F37B1.1	932	TGCCTACTGTCAAAACCATCTTT	AACAATGCCACAATACAGCTCT
F41E6.6	961	CACTCAAGAAGTGTCAAGTT	CGGTTGAGACCGATAGAAT
F44E5.4	928	CCGTTGTTCCACCATCTCTCT	TGATACCCATCTCGAGGAG
F44E5.5	928	TGATACCCATCTCGGAGGAG	CCGTTGTTCCACCATCTCTCT
F45D3.3	602	CTACAGATGACTTCGATCTT	GTCGACATTGGCCTTGTAGC
F53C11.3	749	GGCAGCTTGAATGGAAAGT	CCGTCGAAATCGATAATCGC
F54C9.4	700	TGACATGAAGGTGATCTGCT	GTTAGCATCTGGTCCAATAG
F58H1.2	398	GCAGTTTCAGCCGACCCATTTA	CCAGAAGTTTTTGGGTACATTG
F59D8.1	531	GGAAAACGAGAAAGCTTATTG	GGAAGGTCTTGGGTCTTTGA
H02112.8	380	TCAAGCGGAACCTGGATGAAG	GAGCCATGATGACCTTCTCT
K01D12.11	599	CAAAGCGGGCGATTACAAA	TGCATCGCGGGTGTGATCT
K07C6.3	1212	ATCTATTCAGACAGATTTAT	TTCCAGTCAGTAAATACAAT
K07C6.4	1352	TAGAAAAAATATGGAGACGTT	TTCCAATCATCAAGTATAGC
K07C6.5	1198	TTCAGAAAAAGATATGGAAAC	TTCCAAGTATCAAATATAGCTC
K07E3.8	393	TCATTTTTCACAAATGGATCTTAG	GGTTTCTGCTCGTCAGCAGAGA
K07H8.6	790	GCCCATCACGTTCCAAGCA	GGCAGTAGACGGAGGCTTTT
K08B12.1	448	GCCCAACCCATACAAACCA	TGCCAGTCAACCAAACCTCT
K09D9.2	1193	AGAAAGAAATACGGCAACAT	CCAAAGATTAATACAATTC
K09F5.2	702	TCAAGCACCTACTTAATGAG	CGACAAGATCGGATTTCTTC
K10C2.1	1094	CGAAGAAATCTTCCAAGCG	ACTTTGTTTTGTGACCAAGGC
K11G9.6	227	TGGCTTGCAAGTGTGACTGC	TTAATGAGCCGCAGCAGTTC
R03D7.6	454	TGAAAGAAACCTGCGCTGCT	GGAATCGCCTGGATCTTCTC
T04C12.4	800	ATCCAAGAGAGGTATCCTTA	TCATGGTTGATGGGGCAAGA
T10B10.2	929	CAATTGCACATTTGGTTCTT	CTTGACGGCTTCAATATCAG
T16G1.6	962	TGGAGACGGAAATGGATTCA	CAAGAGTGTACGGAACTCA
T18H9.2	1125	AAACCGATTGATCCGTGAAG	CTCCAACAGCGTCAGCAATA
T19B10.1	1090	AATATGGAAGTAACTACCT	ATGTATCCATCAATTTCTAA
T20B3.1	701	GTTGGTTTGTCTGGCAGGAT	TGTCATCTCGCAAAAATTCG
T21C12.2	644	CGCTTAGAACGTATGGAGAA	GAATAGTGTGGGACGGTCTCT
T21H3.1	501	GTCTTCGAGTATCACACTCC	GTGAAGATGATCCTTGATAG
T27E4.2	301	TGAATCTTCTGAGATTGTTA	GGGCGCTTCTGAAATGGAA
T27E4.3	301	AATATTGGAGAGATTGTAATG	GTTTTGCAACAAAATTAATG
VC5	956	GATTTGGAGGTTCTAGTCAT	GTAATGGTCTGAACATGAA
Y38A10A.5	644	ATACGTTAAGGTCATGAGAG	CTGACTTGACCTGCCACAAA
Y48E1B.10	565	TAGACAGCTCTTCGCCTAT	TCCCTTATCCGGCTCGATT

**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	$\beta$ -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

## Anhang

---

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	Fluroanthen	β-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	-	-	-	-

## Anhang

---

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

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		0.2811	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

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

Konz. Gene ID	Endosulfan								
	1,5 mg/l			0,3 mg/l			0,06 mg/l		
	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	0.5618	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									

Anhang

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	1.5517	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

Anhang

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	1.131	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



# Anhang

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

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	0.6886	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				
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. Gene ID	Clofibrat							
	10 mg/l			2 mg/l			0,4 mg/l	
	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	5.9031	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

Anhang

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	2.1091	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	0.9378	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

# Anhang

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	0.1066	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



# Anhang

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

Konz. Gene ID	DES								
	0,5 mg/l			0,1 mg/l			0,02 mg/l		
	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									

Anhang

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	1.289	0.9084	1.347	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	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

Anhang

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		1.6303	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	

# Anhang

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

Konz. Gene ID	TBT										
	0,06 mg/l				0,012 mg/l				0,0024 mg/l		
	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	1.3683	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		0.135	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											

# Anhang

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





# Anhang

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

Name: Kerstin Reichert  
Geburtstag und -ort: 4.03.1970 in Berlin  
Staatsangehörigkeit: deutsch

## Schulbildung

1976-1989: Grundschule und Gymnasium in Berlin  
Abschluss: Allgemeine Hochschulreife

## Studium

Okt. 1989-März 1991: Technische Universität Berlin  
Energie- und Verfahrenstechnik  
seit April 1991: Technische Universität Berlin  
Amt des Lehrers/Teilstudiengang Deutsch,  
nach einem Semester Wechsel zu Biologie  
April 1993-März 2001: Freie Universität Berlin  
Biologie/ Diplom (als Doppelstudium)  
Okt. 1994: Zwischenprüfung im Fach Biologie an der TU Berlin  
Okt. 1997: Vordiplom im Fach Biologie an der FU Berlin  
März 2001: Abschluss des Biologie-Studiums an der FU Berlin mit  
dem akademischen Grad Diplom-Biologin, Note "sehr gut"

## Akademische Weiterbildung

Juni 1999: Teilnahme an der Tagung der DZG in Innsbruck/ Österreich  
Juni 2000: Teilnahme an der Tagung der DZG, Satellitensymposium der  
Fachgruppe Physiologie in Bonn  
Präsentation von Forschungsergebnissen in Form eines  
englischen Kurzvortrags  
Sept. 2001: Teilnahme an der Tagung der SETAC in Berlin,  
Posterpräsentation von Forschungsergebnissen  
Nov. 2001: Forschungsaufenthalt im Labor von Stuart Kim, Stanford  
University,  
CA, USA, gefördert durch ein Reisestipendium der  
GlaxoSmithKline Stiftung  
März 2002: Teilnahme am Wellcome Trust Advanced Course „Microarrays“  
am Sanger Institut, Hinxton, UK.  
Mai 2002: Teilnahme an der IFAT-Messe in München mit einem eigenen  
Stand  
Mai 2002: Teilnahme am European Worm Meeting in Paestum, Italien,  
Posterpräsentation von Forschungsergebnissen  
März 2003: Teilnahme an der Tagung der AG freilebende Nematoden in  
Darmstadt  
Sept. 2003: Teilnahme am Nachwuchsworkshop der SETC-GLB  
Teilnahme an der Tagung der SETAC-GLB in Heidelberg,  
Präsentation von Forschungsergebnissen im Rahmen eines  
Kurzvortrags, Auszeichnung des Vortrags mit dem  
Nachwuchspreis

## Berufspraxis oder Praktische Erfahrungen

- Okt. 1995–Sept. 1999: studentische Tutorin an der TU Berlin am Institut für Fachdidaktik der Biologie
- Dez.. 1998–Mai 2001: studentische Tutorin an der FU Berlin für den Kurs Biologie für Mediziner, Kursteil Evolution
- März-Juli 2001: Freie Mitarbeit in der Arbeitsgruppe Ökotoxikologie und Biochemie an der FU Berlin
- Aug. 2001–März 2004: Wissenschaftliche Mitarbeiterin in der Arbeitsgruppe Ökotoxikologie und Biochemie an der FU Berlin

## Publikationen

- Reichert, K.** und Menzel, R. (2004): Expression profiling of five different xenobiotics using a *Caenorhabditis elegans* whole genome microarray. Chemosphere (eingereicht).
- Menzel, R.; **Reichert, K.** and Achazi R. (2002): Wurm-Gene als Schadstoff-Detektive. Umwelt Magazin. 9, 74-75
- Menzel, R.; **Reichert, K.** und Achazi, A. (2002): Nutzung der induzierbaren Genexpression des Nematoden *Caenorhabditis elegans* als Biomonitor. UWSF 14, 18-23.
- Reichert, K.**; Saul, N. und Menzel, R. (2003): Entwicklung und Validierung eines Biomonitor-Tests auf Grundlage der schadstoffinduzierbaren Genexpression von *Caenorhabditis elegans* – Der Celegans Toxchip. SETAC-GLB, New Blood in Ecotoxicology, Tagungsband S. 40.
- Saul, N.; **Reichert, K.**; Rödel, M. and Menzel, R. (2003): Comparison of reproduction and xenobiotically induced gene expression as ecotoxicological test parameters in the nematode *Caenorhabditis elegans*. 14<sup>th</sup> Int. C. elegans Meeting, Abstract book p. 195.
- Reichert, K.**; Menzel, R. and Achazi, R. (2002): Development of a bio-monitoring screening system based on the xenobiotically induced gene expression of *Caenorhabditis elegans*: The Celegans Toxchip. European C. elegans Meeting 2002, Abstract book p. 80.
- Menzel, R.; **Reichert, K.** and Achazi, R. (2001): Entwicklung eines *Caenorhabditis elegans* Biomonitor-Tests auf Transkriptionsebene. SETAC-GLB, Ökotoxikologie und Ökologie in Ballungsräumen, Tagungsband S. 63.

## Danksagung

Ich danke Gott meinem Schöpfer, dass er mich mit einer Familie, Freunden und einem Arbeitsumfeld gesegnet hat, die es immer geschafft haben, mich zu Bestleistungen anzuspornen.

Besonderer Dank gilt Dr. Ralph Menzel für die gute und intensive Betreuung während meiner Arbeit und die vielen Möglichkeiten, über die Labortür hinaus Erfahrungen auf Seminaren und Tagungen zu sammeln.

Danken möchte ich auch den vielen Kooperationspartnern, ohne die das Zustandekommen dieser Arbeit nicht möglich gewesen wäre:

- Stuart Kim und seinen Mitarbeitern, allen voran Andreas Einzinger und Min Jiang in Stanford, die mir bei den gesamtgenomischen Untersuchungen geholfen haben
- durch Joanne Staines in Hinxton konnten einige Primersequenzen bezogen werden und auch ansonsten stand sie gerade in den Anfängen der Celegans Toxchip Entwicklung mit Rat und Tat zur Verfügung
- Helga Gressmann war eine große Hilfe bei der Vorbereitung für die Herstellung des Celegans Toxchips und bei der Lösung der vielen Probleme, die während der Experimente auftraten
- Jörg Angermann und Dr. H.-J. Mollenkopf vom MPI für Infektionsbiologie ermöglichten erst das Herstellen des Celegans Toxchips und waren auch für alle technischen Fragen sehr hilfsbereite Ansprechpartner
- Anita Geflitter, Dr. Oleg Tschernitsa und Dr. Ute Ungetüm vom Labor für funktionelle Genomforschung der Charité ermöglichten das Scannen und Auswerten der Celegans Toxchip Arrays.

Allen Institutsmitgliedern, vor allem aber Prof. Rudolf Achazi, Gabi Erzigkeit, Françoise Treitz, Angelika Seyfarth und Hannelore Vierow möchte ich für die gute Unterstützung und die freundliche Arbeitsatmosphäre danken. Für die große Hilfe bei Fragen im Bereich Computer danke ich Dr. Johannes Ahrens. Dr. Jürgen Kronshage danke ich dafür, dass er stets aufmunternde Worte für mich parat hatte.

Ein ganz besonderer Dank gilt meinen Eltern, die immer an mich geglaubt haben und versucht haben, mich an allen Fronten zu unterstützen sowie an Kirsten Wüstenberg, mit der ich auf vielen langen Läufen den Sinn und Unsinn des Daseins diskutieren konnte und Thorsten Grospietsch, der nicht nur ein exzellenter Wissenschaftler, sondern stets auch ein guter Freund und Berater war.

## **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