

Table S5. RNA-Seq analysis of inducible SPCH1-4A

1: Genes are called differentially expressed (DE) with a false discovery rate (FDR) < 0.05

2: Adjusted P-values: P-values were adjusted via the Benjamini & Hochberg method, and

Hover over column headings with a red triangle for further details

AGI	Primary Gene Symbol	DE_6h ¹	DE_8h ¹	log2(iSPCH/WT)_6h
AT5G53210	SPEECHLESS (SPCH)	UP	UP	8.32
AT1G12845	na	UP	UP	3.86
AT1G34245	EPIDERMAL PATTERNING	UP	UP	3.54
AT4G31805	na	UP	UP	1.79
AT1G80080	TOO MANY MOUTHS (TMM	UP	UP	3.30
AT5G60880	BREAKING OF ASYMMETR	UP	UP	1.18
AT2G25460	na	UP	UP	2.20
AT1G31935	na	UP	UP	1.15
AT5G67020	na	UP	UP	1.60
AT4G01060	CAPRICE-LIKE MYB3 (CPL	UP	UP	1.96
AT5G07280	EXCESS MICROSPOROXY	UP	UP	1.63
AT3G22760	(SOL1)	UP	UP	1.12
AT3G14760	na	UP	UP	1.21
AT3G62070	na	UP	UP	1.28
AT1G26600	CLAVATA3/ESR-RELATED	UP	UP	1.12
AT5G62230	ERECTA-LIKE 1 (ERL1)	UP	UP	0.83
AT5G55120	VITAMIN C DEFECTIVE 5 (V	UP	UP	1.24
AT3G47295	na	UP	UP	1.44
AT1G14440	HOMEODOMAIN PROTEIN 31 (	UP	UP	1.27
AT5G16350	na	UP	UP	0.74
AT3G14560	na	UP	UP	1.74
AT4G35930	F-BOX STRESS INDUCED	UP	UP	0.72
AT5G11550	na	UP	UP	1.42
AT4G23920	UDP-D-GLUCOSE/UDP-D-C	UP	UP	0.59
AT1G70890	MLP-LIKE PROTEIN 43 (ML	UP	UP	0.43
AT4G18950	na	UP	UP	1.06
AT3G59900	AUXIN-REGULATED GENE	UP	UP	1.23
AT5G13220	JASMONATE-ZIM-DOMAIN	UP	UP	1.13
AT3G26744	INDUCER OF CBF EXPRES	UP	UP	1.19
AT2G03280	na	UP	UP	0.78
AT3G55130	ATP-BINDING CASSETTE (	UP	UP	1.11
AT4G25260	na	UP	UP	0.66
AT1G16370	ORGANIC CATION/CARNIT	UP	UP	0.70
AT1G12860	SCREAM 2 (SCRM2)	UP	UP	0.77
AT1G19550	na	UP	UP	0.78
AT1G19570	DEHYDROASCORBATE RE	UP	UP	0.63

AT3G26210	CYTOCHROME P450, FAMI	UP	UP	0.61
AT4G25620	na	UP	UP	0.91
AT5G07180	ERECTA-LIKE 2 (ERL2)	UP	UP	0.54
AT5G39580	na	UP	UP	0.66
AT4G14680	(APS3)	UP	UP	0.50
AT1G67940	ATP-BINDING CASSETTE I	UP	UP	0.58
AT2G19810	OXIDATION-RELATED ZINC	UP	UP	0.77
AT4G36670	POLYOL/MONOSACCHARI	UP	UP	0.74
AT4G37980	ELICITOR-ACTIVATED GEN	UP	UP	0.42
AT3G63450	na	UP	UP	0.84
AT5G23860	TUBULIN BETA 8 (TUB8)	UP	UP	0.43
AT1G80160	GLYOXYLASE I 7 (GLYI7)	UP	UP	1.69
AT3G62820	na	UP	UP	0.90
AT5G67260	CYCLIN D3;2 (CYCD3;2)	UP	UP	0.65
AT1G63010	na	UP	UP	0.39
AT4G19030	NOD26-LIKE MAJOR INTRII	UP	UP	0.72
AT4G25340	FK506 BINDING PROTEIN	UP	UP	0.40
AT5G13330	RELATED TO AP2 6L (Rap2	UP	UP	0.67
AT2G02130	LOW-MOLECULAR-WEIGH	UP	UP	0.74
AT2G44080	ARGOS-LIKE (ARL)	UP	UP	0.54
AT3G47800	na	UP	UP	0.44
AT1G52930	na	UP	UP	0.49
AT5G55920	OLIGOCELLULA 2 (OLI2)	UP	UP	0.40
AT3G20015	na	UP	UP	0.45
AT1G08200	UDP-D-APIOSE/UDP-D-XYL	UP	UP	0.46
AT3G21720	ISOCITRATE LYASE (ICL)	UP	UP	0.99
AT4G14040	SELENIUM-BINDING PROT	UP	UP	0.37
AT3G18130	RECEPTOR FOR ACTIVATI	UP	not DE	0.53
AT5G01600	FERRETIN 1 (FER1)	UP	not DE	0.62
AT5G01595	na	UP	not DE	0.61
AT1G52070	na	UP	not DE	0.47
AT4G12720	(NUDT7)	UP	not DE	0.62
AT1G52060	na	UP	not DE	0.40
AT1G19900	na	UP	not DE	0.55
AT2G42850	CYTOCHROME P450, FAMI	UP	not DE	0.85
AT5G46900	na	UP	DOWN	0.44
AT1G67270	na	not DE	UP	-1.17
AT5G24110	WRKY DNA-BINDING PRO	not DE	UP	1.83
AT4G31970	CYTOCHROME P450, FAMI	not DE	UP	-0.03
AT5G57010	na	not DE	UP	0.50
AT1G26420	na	not DE	UP	0.19
AT1G36622	na	not DE	UP	0.00

AT2G40670	RESPONSE REGULATOR 1	not DE	UP	0.40
AT5G64905	ELICITOR PEPTIDE 3 PREC	not DE	UP	-0.77
AT2G25625	na	not DE	UP	-0.24
AT2G43620	na	not DE	UP	-0.04
AT3G09400	POL-LIKE 3 (PLL3)	not DE	UP	-1.03
AT1G36640	na	not DE	UP	-0.37
AT1G13520	na	not DE	UP	-0.54
AT2G29460	GLUTATHIONE S-TRANSFI	not DE	UP	0.28
AT5G40590	na	not DE	UP	-0.39
AT2G27389	na	not DE	UP	0.02
AT2G27390	na	not DE	UP	-0.07
AT1G53625	na	not DE	UP	0.02
AT3G63380	na	not DE	UP	0.50
AT1G14540	PEROXIDASE 4 (PER4)	not DE	UP	-0.51
AT2G37430	na	not DE	UP	-0.58
AT2G19190	FLG22-INDUCED RECEPT	not DE	UP	-0.10
AT2G18690	na	not DE	UP	0.67
AT1G18970	GERMIN-LIKE PROTEIN 4 (	not DE	UP	-0.15
AT2G46495	na	not DE	UP	-0.49
AT4G29020	na	not DE	UP	0.50
AT2G43570	CHITINASE, PUTATIVE (CH	not DE	UP	-0.28
AT3G48580	XYLOGLUCAN ENDOTRAN	not DE	UP	0.18
AT4G08555	na	not DE	UP	0.34
AT4G23190	CYSTEINE-RICH RLK (REC	not DE	UP	0.31
AT1G52910	na	not DE	UP	0.53
AT3G09730	na	not DE	UP	0.83
AT1G19020	na	not DE	UP	0.34
AT1G30730	na	not DE	UP	0.05
AT1G78340	GLUTATHIONE S-TRANSFI	not DE	UP	0.37
AT5G49480	CA2+-BINDING PROTEIN 1	not DE	UP	-0.06
AT5G12340	na	not DE	UP	-0.47
AT5G07390	RESPIRATORY BURST OX	not DE	UP	-0.39
AT3G49845	WINDHOSE 3 (WIH3)	not DE	UP	-0.29
AT2G43550	na	not DE	UP	0.22
AT3G02240	ROOT MERISTEM GROWT	not DE	UP	0.13
AT1G71140	na	not DE	UP	0.04
AT5G59520	ZRT/IRT-LIKE PROTEIN 2 (	not DE	UP	-0.08
AT2G15480	UDP-GLUCOSYL TRANSFE	not DE	UP	0.32
AT5G22140	na	not DE	UP	0.05
AT4G04990	na	not DE	UP	-0.37
AT3G01420	(DOX1)	not DE	UP	-0.29
AT2G15490	UDP-GLYCOSYLTRANSFEI	not DE	UP	0.39

AT1G74360	na	not DE	UP	0.26
AT5G25930	na	not DE	UP	0.15
AT2G42060	na	not DE	UP	-0.56
AT5G06740	na	not DE	UP	0.04
AT3G09270	GLUTATHIONE S-TRANSFI	not DE	UP	0.21
AT1G74590	GLUTATHIONE S-TRANSFI	not DE	UP	-0.01
AT1G67810	SULFUR E2 (SUFE2)	not DE	UP	0.13
AT1G11340	na	not DE	UP	0.18
AT1G12420	ACT DOMAIN REPEAT 8 (A	not DE	UP	0.66
AT4G23810	(WRKY53)	not DE	UP	0.24
AT3G22060	na	not DE	UP	0.37
AT5G19240	na	not DE	UP	-0.14
AT4G10910	na	not DE	UP	0.20
AT3G52748	na	not DE	UP	-0.32
AT1G55740	SEED IMBIBITION 1 (SIP1)	not DE	UP	0.30
AT4G14400	ACCELERATED CELL DEA	not DE	UP	-0.08
AT5G48540	na	not DE	UP	0.03
AT3G13610	na	not DE	UP	-0.38
AT4G37900	na	not DE	UP	-0.06
AT4G14770	TESMIN/TSO1-LIKE CXC 2	not DE	UP	0.30
AT2G39650	na	not DE	UP	-0.17
AT4G22070	WRKY DNA-BINDING PRO	not DE	UP	-0.51
AT5G48400	(ATGLR1.2)	not DE	UP	-0.28
AT1G51890	na	not DE	UP	0.22
AT4G22530	na	not DE	UP	-0.17
AT1G17180	GLUTATHIONE S-TRANSFI	not DE	UP	0.17
AT3G14620	CYTOCHROME P450, FAM	not DE	UP	0.01
AT1G30700	na	not DE	UP	-0.29
AT3G50900	na	not DE	UP	-0.03
AT3G54740	na	not DE	UP	0.57
AT1G32940	(SBT3.5)	not DE	UP	-0.01
AT3G54420	HOMOLOG OF CARROT EF	not DE	UP	-0.07
AT4G28490	HAESA (HAE)	not DE	UP	0.42
AT2G31010	na	not DE	UP	0.12
AT1G61360	na	not DE	UP	0.09
AT4G18940	na	not DE	UP	0.15
AT1G17170	GLUTATHIONE S-TRANSFI	not DE	UP	0.02
AT1G32540	LSD ONE LIKE 1 (LOL1)	not DE	UP	0.38
AT5G24090	CHITINASE A (CHIA)	not DE	UP	-0.03
AT4G18970	na	not DE	UP	0.03
AT1G21010	na	not DE	UP	0.12
AT3G22104	na	not DE	UP	0.30

AT1G51800	IMPAIRED OOMYCETE SU	not DE	UP	0.40
AT1G64400	LONG-CHAIN ACYL-COA S	not DE	UP	-0.18
AT1G55450	na	not DE	UP	0.12
AT2G27385	na	not DE	UP	0.21
AT1G65690	na	not DE	UP	-0.03
AT5G59530	na	not DE	UP	0.15
AT4G20860	na	not DE	UP	0.05
AT4G08850	na	not DE	UP	0.12
AT2G46750	L -GULONO-1,4-LACTONE	not DE	UP	-0.24
AT1G66160	CYS, MET, PRO, AND GLY	not DE	UP	0.41
AT1G60730	na	not DE	UP	0.17
AT2G46430	CYCLIC NUCLEOTIDE GAT	not DE	UP	-0.14
AT2G39380	EXOCYST SUBUNIT EXO7(	not DE	UP	0.13
AT3G44300	NITRILASE 2 (NIT2)	not DE	UP	0.14
AT1G76680	12-OXOPHYTODIENOATE	not DE	UP	0.29
AT2G33710	na	not DE	UP	0.06
AT4G34131	UDP-GLUCOSYL TRANSFE	not DE	UP	0.09
AT5G44580	na	not DE	UP	0.22
AT1G61560	MILDEW RESISTANCE LOC	not DE	UP	-0.01
AT3G53150	UDP-GLUCOSYL TRANSFE	not DE	UP	-0.04
AT1G51420	SUCROSE-PHOSPHATASE	not DE	UP	0.13
AT5G54840	(SGP1)	not DE	UP	0.05
AT1G14870	PLANT CADMIUM RESISTA	not DE	UP	-0.03
AT5G27120	na	not DE	UP	0.30
AT3G06740	GATA TRANSCRIPTION FA	not DE	UP	0.01
AT1G02520	ATP-BINDING CASSETTE E	not DE	UP	-0.04
AT3G52450	PLANT U-BOX 22 (PUB22)	not DE	UP	0.31
AT1G04770	na	not DE	UP	-0.38
AT5G12880	na	not DE	UP	-0.26
AT4G37010	CENTRIN 2 (CEN2)	not DE	UP	0.01
AT5G43580	UNUSUAL SERINE PROTE,	not DE	UP	0.09
AT2G26820	PHLOEM PROTEIN 2-A3 (P	not DE	UP	-0.31
AT2G26530	(AR781)	not DE	UP	-0.19
AT1G52200	na	not DE	UP	0.18
AT2G34260	HUMAN WDR55 (WD40 RE	not DE	UP	0.18
AT1G17190	GLUTATHIONE S-TRANSFI	not DE	UP	0.40
AT3G10500	NAC DOMAIN CONTAININC	not DE	UP	0.09
AT2G46740	L -GULONO-1,4-LACTONE	not DE	UP	0.00
AT2G41475	na	not DE	UP	0.02
AT2G39870	na	not DE	UP	0.22
AT2G34500	CYTOCHROME P450, FAMI	not DE	UP	0.07
AT2G43110	na	not DE	UP	0.41

AT1G49310	na	not DE	UP	0.23
AT5G44910	na	not DE	UP	0.19
AT4G37310	CYTOCHROME P450, FAMI	not DE	UP	-0.41
AT3G54400	na	not DE	UP	0.13
AT3G19010	na	not DE	UP	0.07
AT2G24180	CYTOCHROME P450 71B6	not DE	UP	0.02
AT1G55920	SERINE ACETYLTRANSFE	not DE	UP	0.25
AT4G18360	na	not DE	UP	-0.02
AT4G37070	(PLP1)	not DE	UP	-0.15
AT3G53480	ATP-BINDING CASSETTE (	not DE	UP	0.16
AT1G51790	na	not DE	UP	0.08
AT4G13180	na	not DE	UP	0.19
AT4G21990	APS REDUCTASE 3 (APR3)	not DE	UP	-0.11
AT5G24380	YELLOW STRIPE LIKE 2 (Y	not DE	UP	-0.28
AT2G47000	ATP-BINDING CASSETTE E	not DE	UP	0.14
AT1G18980	na	not DE	UP	-0.08
AT1G62300	(WRKY6)	not DE	UP	-0.06
AT3G21540	na	not DE	UP	0.22
AT4G25100	FE SUPEROXIDE DISMUTA	not DE	UP	0.18
AT3G29034	na	not DE	UP	-0.14
AT4G25900	na	not DE	UP	-0.12
AT3G18600	na	not DE	UP	0.34
AT3G57940	na	not DE	UP	0.24
AT4G26780	(AR192)	not DE	UP	0.12
AT5G59680	na	not DE	UP	-0.04
AT5G50200	WOUND-RESPONSIVE 3 (V	not DE	UP	-0.09
AT2G17500	na	not DE	UP	-0.13
AT1G78000	SULFATE TRANSPORTER	not DE	UP	-0.06
AT4G25630	FIBRILLARIN 2 (FIB2)	not DE	UP	0.37
AT3G13230	na	not DE	UP	0.35
AT3G12700	na	not DE	UP	-0.54
AT1G80640	na	not DE	UP	0.17
AT4G23550	(WRKY29)	not DE	UP	-0.37
AT1G18390	na	not DE	UP	0.05
AT1G13360	na	not DE	UP	0.19
AT1G56110	HOMOLOG OF NUCLEOLA	not DE	UP	0.30
AT2G34510	na	not DE	UP	-0.15
AT2G38940	PHOSPHATE TRANSPORT	not DE	UP	0.29
AT3G49780	PHYTOSULFOKINE 4 PREC	not DE	UP	0.08
AT5G57280	ROOT INITIATION DEFECT	not DE	UP	0.17
AT1G17860	na	not DE	UP	-0.09
AT5G19230	na	not DE	UP	0.03

AT1G05340	na	not DE	UP	-0.21
AT2G28900	OUTER PLASTID ENVELOPE	not DE	UP	-0.09
AT1G66200	GLUTAMINE SYNTHASE C	not DE	UP	-0.10
AT5G63600	FLAVONOL SYNTHASE 5 (L)	not DE	UP	-0.06
AT3G16810	PUMILIO 24 (PUM24)	not DE	UP	0.20
AT2G29420	GLUTATHIONE S-TRANSFERASE	not DE	UP	0.09
AT3G47780	ATP-BINDING CASSETTE 7	not DE	UP	-0.28
AT4G36500	na	not DE	UP	-0.30
AT1G65970	THIOREDOXIN-DEPENDENT	not DE	UP	0.26
AT1G18800	NAP1-RELATED PROTEIN 1	not DE	UP	0.07
AT4G11600	GLUTATHIONE PEROXIDASE	not DE	UP	0.02
AT1G78380	GLUTATHIONE S-TRANSFERASE	not DE	UP	0.10
AT4G01560	MATERNAL EFFECT EMBRYO	not DE	UP	0.37
AT1G13930	na	not DE	UP	-0.39
AT1G31660	na	not DE	UP	0.23
AT3G09440	na	not DE	UP	0.14
AT5G20160	na	not DE	UP	0.27
AT1G66580	SENESCENCE ASSOCIATE	not DE	UP	0.19
AT4G13850	GLYCINE-RICH RNA-BINDING	not DE	UP	0.16
AT2G21660	GLYCINE-RICH RNA-BINDING	not DE	UP	-0.05
AT1G48570	na	not DE	UP	0.32
AT3G23620	na	not DE	UP	0.23
AT1G48920	NUCLEOLIN LIKE 1 (NUC-L)	not DE	UP	0.14
AT5G59860	na	not DE	UP	0.31
AT3G24300	AMMONIUM TRANSPORTER	not DE	UP	0.20
AT2G44490	PENETRATION 2 (PEN2)	not DE	UP	-0.07
AT2G24120	SCABRA 3 (SCA3)	not DE	UP	0.35
AT4G25730	na	not DE	UP	0.20
AT3G16400	NITRILE SPECIFIER PROTEIN	not DE	UP	-0.19
AT1G74560	NAP1-RELATED PROTEIN 1	not DE	UP	0.05
AT3G16410	NITRILE SPECIFIER PROTEIN	not DE	UP	-0.17
AT5G08610	PIGMENT DEFECTIVE 340	not DE	UP	0.24
AT3G51380	IQ-DOMAIN 20 (IQD20)	not DE	DOWN	1.88
AT1G30850	ROOT HAIR SPECIFIC 4 (RHS4)	not DE	DOWN	-1.33
AT3G12540	na	not DE	DOWN	-1.64
AT1G06923	na	not DE	DOWN	-1.78
AT1G66150	TRANSMEMBRANE KINASE	not DE	DOWN	-0.24
AT5G57660	CONSTANS-LIKE 5 (COL5)	not DE	DOWN	-0.23
AT2G40000	ORTHOLOG OF SUGAR BEET	not DE	DOWN	-0.07
AT3G13750	BETA GALACTOSIDASE 1 (BGL1)	not DE	DOWN	-0.16
AT1G61100	na	not DE	DOWN	-0.24
AT4G37610	BTB AND TAZ DOMAIN PROTEIN	not DE	DOWN	-0.09

AT2G26910	ATP-BINDING CASSETTE C	not DE	DOWN	-0.25
AT3G29240	na	not DE	DOWN	-0.12
AT5G64170	na	not DE	DOWN	-0.09
AT5G49360	BETA-XYLOSIDASE 1 (BXL	not DE	DOWN	-0.13
AT2G37130	na	not DE	DOWN	0.23
AT4G36850	na	not DE	DOWN	-0.24
AT3G13310	na	not DE	DOWN	0.16
AT5G04140	GLUTAMATE SYNTHASE 1	not DE	DOWN	-0.15
AT5G06980	na	not DE	DOWN	-0.32
AT1G58290	(HEMA1)	not DE	DOWN	0.04
AT2G44140	na	not DE	DOWN	0.02
AT4G34350	4-HYDROXY-3-METHYLBU	not DE	DOWN	-0.09
AT3G59060	PHYTOCHROME INTERAC	not DE	DOWN	-0.30
AT1G17360	na	not DE	DOWN	-0.34
AT3G10420	SEEDLING PLASTID DEVE	not DE	DOWN	-0.13
AT5G39530	na	not DE	DOWN	-0.23
AT1G18460	na	not DE	DOWN	-0.22
AT3G13040	na	not DE	DOWN	-0.07
AT5G64840	ATP-BINDING CASSETTE F	not DE	DOWN	-0.27
AT1G49730	na	not DE	DOWN	-0.40
AT5G57800	ECERIFERUM 3 (CER3)	not DE	DOWN	-0.27
AT1G21060	na	not DE	DOWN	-0.54
AT5G46890	na	not DE	DOWN	0.43
AT2G37170	PLASMA MEMBRANE INTR	not DE	DOWN	-0.05
AT5G18670	BETA-AMYLASE 3 (BMY3)	not DE	DOWN	-0.06
AT3G57040	RESPONSE REGULATOR ζ	not DE	DOWN	-0.37
AT2G37180	RESPONSIVE TO DESICCA	not DE	DOWN	0.00
AT5G20230	BLUE-COPPER-BINDING P	not DE	DOWN	0.37
AT1G23030	na	not DE	DOWN	-0.32
AT1G01060	LATE ELONGATED HYPOC	not DE	DOWN	-0.01
AT2G44130	na	not DE	DOWN	-0.01
AT5G13630	GENOMES UNCOUPLED 5	not DE	DOWN	-0.23
AT3G54500	na	not DE	DOWN	-0.19
AT1G02640	BETA-XYLOSIDASE 2 (BXL	not DE	DOWN	-0.16
AT5G03230	na	not DE	DOWN	-0.19
AT3G03520	NON-SPECIFIC PHOSPHOI	not DE	DOWN	-0.03
AT5G43150	na	not DE	DOWN	0.03
AT1G66270	(BGLU21)	not DE	DOWN	-0.01
AT1G63300	na	not DE	DOWN	-0.18
AT5G64940	ABC2 HOMOLOG 13 (ATH1	not DE	DOWN	-0.26
AT2G46830	CIRCADIAN CLOCK ASSO	not DE	DOWN	0.00
AT1G78070	na	not DE	DOWN	0.05

AT5G53370	PECTIN METHYLESTERAS	not DE	DOWN	0.01
AT1G70700	(TIFY7)	not DE	DOWN	-0.08
AT1G69570	na	not DE	DOWN	-0.44
AT1G07180	ALTERNATIVE NAD(P)H D	not DE	DOWN	-0.34
AT5G36870	GLUCAN SYNTHASE-LIKE	not DE	DOWN	0.38
AT5G60660	PLASMA MEMBRANE INTR	not DE	DOWN	-0.02
AT4G35090	CATALASE 2 (CAT2)	not DE	DOWN	-0.23
AT1G04040	na	not DE	DOWN	-0.34
AT1G12520	COPPER CHAPERONE FOI	not DE	DOWN	0.17
AT5G11790	N-MYC DOWNREGULATEC	not DE	DOWN	-0.04
AT5G25810	TINY (tny)	not DE	DOWN	-0.03
AT2G35860	FASCICLIN-LIKE ARABINO	not DE	DOWN	-0.07
AT1G48500	JASMONATE-ZIM-DOMAIN	not DE	DOWN	0.02
AT1G44575	NONPHOTOCHEMICAL QU	not DE	DOWN	-0.31
AT2G35859	na	not DE	DOWN	-0.07
AT1G70940	PIN-FORMED 3 (PIN3)	not DE	DOWN	-0.30
AT3G53420	PLASMA MEMBRANE INTR	not DE	DOWN	-0.37
AT3G52370	FASCICLIN-LIKE ARABINO	not DE	DOWN	-0.04
AT4G17340	TONOPLAST INTRINSIC PF	not DE	DOWN	-0.25
AT2G30210	LACCASE 3 (LAC3)	not DE	DOWN	-0.37
AT3G59930	na	not DE	DOWN	-0.07
AT2G44110	MILDEW RESISTANCE LOC	not DE	DOWN	-0.10
AT3G56000	CELLULOSE SYNTHASE LI	not DE	DOWN	-0.40
AT2G28470	BETA-GALACTOSIDASE 8	not DE	DOWN	-0.48
AT5G66580	na	not DE	DOWN	0.02
AT5G52310	LOW-TEMPERATURE-INDU	not DE	DOWN	0.05
AT1G53830	PECTIN METHYLESTERAS	not DE	DOWN	0.09
AT1G08990	PLANT GLYCOGENIN-LIKE	not DE	DOWN	-0.37
AT5G52570	BETA-CAROTENE HYDRO	not DE	DOWN	-0.29
AT5G47450	TONOPLAST INTRINSIC PF	not DE	DOWN	-0.34
AT3G45700	na	not DE	DOWN	-0.21
AT2G33790	ARABINO GALACTAN PRO	not DE	DOWN	0.24
AT2G28190	COPPER/ZINC SUPEROXID	not DE	DOWN	0.33
AT3G44990	XYLOGLUCAN ENDO-TRAF	not DE	DOWN	-0.13
AT2G45750	na	not DE	DOWN	-0.30
AT5G52900	MEMBRANE-ASSOCIATED	not DE	DOWN	-0.63
AT1G29510	SMALL AUXIN UPREGULA	not DE	DOWN	-0.57
AT4G15290	(ATCSLB05)	not DE	DOWN	0.02
AT1G57560	MYB DOMAIN PROTEIN 50	not DE	DOWN	0.08
AT4G00680	ACTIN DEPOLYMERIZING	not DE	DOWN	-0.81
AT4G09990	na	not DE	DOWN	-0.82
AT2G34910	na	not DE	DOWN	-0.43

AT5G58010	LJRHL1-LIKE 3 (LRL3)	not DE	DOWN	-0.59
AT2G41970	na	not DE	DOWN	-0.95
AT5G05500	(MOP10)	not DE	DOWN	-1.03
AT2G47540	na	not DE	DOWN	-0.91
AT2G37030	na	not DE	DOWN	-1.55
AT3G07070	na	not DE	DOWN	-1.06
AT5G61350	na	not DE	DOWN	-0.91
AT5G49080	EXTENSIN 11 (EXT11)	not DE	DOWN	-1.64
AT1G63450	ROOT HAIR SPECIFIC 8 (R	not DE	DOWN	-0.67
AT2G38995	na	not DE	DOWN	0.29
AT4G08410	na	not DE	DOWN	-1.73
AT2G47530	na	not DE	DOWN	-1.48
AT4G08400	na	not DE	DOWN	-1.58
AT1G53920	GDSL-MOTIF LIPASE 5 (GL	DOWN	not DE	-0.72
AT5G36910	THIONIN 2.2 (THI2.2)	DOWN	not DE	-0.68
AT5G20630	GERMIN 3 (GER3)	DOWN	not DE	-0.83
AT4G00165	na	DOWN	not DE	-1.06
AT5G38990	na	DOWN	not DE	-0.55
AT2G43535	na	DOWN	not DE	-0.45
AT4G04330	HOMOLOGUE OF CYANOBE	DOWN	not DE	-0.94
AT4G16870	na	DOWN	not DE	-0.44
AT4G26700	FIMBRIN 1 (FIM1)	DOWN	not DE	-0.50
AT3G53720	CATION/H+ EXCHANGER 2	DOWN	not DE	-0.69
AT2G23910	na	DOWN	not DE	-1.20
AT5G19140	(AILP1)	DOWN	not DE	-0.49
AT5G65010	ASPARAGINE SYNTHETAS	DOWN	not DE	-0.57
AT1G66970	SHV3-LIKE 2 (SVL2)	DOWN	not DE	-0.51
AT4G04340	na	DOWN	not DE	-0.52
AT4G16920	na	DOWN	not DE	-0.38
AT5G49730	FERRIC REDUCTION OXID	DOWN	not DE	-0.97
AT1G66980	SUPPRESSOR OF NPR1-1	DOWN	not DE	-0.53
AT2G23840	na	DOWN	not DE	-0.75
AT1G71030	MYB-LIKE 2 (MYBL2)	DOWN	not DE	-0.42
AT1G23480	CELLULOSE SYNTHASE-LI	DOWN	not DE	-0.53
AT4G16950	RECOGNITION OF PERON	DOWN	not DE	-0.35
AT3G10520	HAEMOGLOBIN 2 (HB2)	DOWN	not DE	-1.08
AT4G16890	SUPPRESSOR OF NPR1-1,	DOWN	not DE	-0.35
AT1G65230	na	DOWN	not DE	-0.73
AT1G61190	na	DOWN	not DE	-0.76
AT2G38460	IRON REGULATED 1 (IREG	DOWN	not DE	-0.92
AT1G61300	na	DOWN	not DE	-0.96
AT2G15080	RECEPTOR LIKE PROTEIN	DOWN	not DE	-0.58

AT2G29360	na	DOWN	not DE	-0.64
AT5G15970	(KIN2)	DOWN	not DE	-0.61
AT3G22840	EARLY LIGHT-INDUCABLE	DOWN	not DE	-0.92
AT1G57980	na	DOWN	not DE	-0.60
AT3G28220	na	DOWN	not DE	-1.05
AT3G55240	na	DOWN	not DE	-1.23
AT3G46370	na	DOWN	not DE	-2.19
AT4G28080	na	DOWN	DOWN	-0.37
AT1G20650	ALTERED SEED GERMINA	DOWN	DOWN	-0.36
AT2G29290	na	DOWN	DOWN	-0.95
AT1G72600	na	DOWN	DOWN	-1.18
AT1G72610	GERMIN-LIKE PROTEIN 1 (	DOWN	DOWN	-1.18
AT1G30360	EARLY-RESPONSIVE TO D	DOWN	DOWN	-0.42
AT2G22540	SHORT VEGETATIVE PHA	DOWN	DOWN	-0.45
AT4G37925	NADH DEHYDROGENASE-	DOWN	DOWN	-0.89
AT4G34250	3-KETOACYL-COA SYNTH	DOWN	DOWN	-0.47
AT4G19170	NINE-CIS-EPOXYCAROTEI	DOWN	DOWN	-0.75
AT3G52840	BETA-GALACTOSIDASE 2	DOWN	DOWN	-0.38
AT4G01330	na	DOWN	DOWN	-0.38
AT1G76100	PLASTOCYANIN 1 (PETE1)	DOWN	DOWN	-0.54
AT2G37025	TRF-LIKE 8 (TRFL8)	DOWN	DOWN	-0.52
AT3G61580	SPHINGOID LCB DESATUF	DOWN	DOWN	-0.48
AT3G51950	na	DOWN	DOWN	-0.36
AT1G61520	PHOTOSYSTEM I LIGHT H	DOWN	DOWN	-0.34
AT3G04910	WITH NO LYSINE (K) KINA	DOWN	DOWN	-0.47
AT5G58140	PHOTOTROPIN 2 (PHOT2)	DOWN	DOWN	-0.59
AT3G59780	na	DOWN	DOWN	-0.40
AT1G16720	HIGH CHLOROPHYLL FLUC	DOWN	DOWN	-0.57
AT4G05180	PHOTOSYSTEM II SUBUNI	DOWN	DOWN	-0.42
AT1G33240	GT-2-LIKE 1 (GTL1)	DOWN	DOWN	-0.45
AT5G05690	CONSTITUTIVE PHOTOMC	DOWN	DOWN	-0.33
AT5G19190	na	DOWN	DOWN	-0.52
AT1G70820	na	DOWN	DOWN	-1.30
AT4G10340	LIGHT HARVESTING COMF	DOWN	DOWN	-0.37
AT5G27290	na	DOWN	DOWN	-0.87
AT1G72180	na	DOWN	DOWN	-0.42
AT3G54830	na	DOWN	DOWN	-0.69
AT2G42220	na	DOWN	DOWN	-0.41
AT5G23060	CALCIUM SENSING RECEP	DOWN	DOWN	-0.60
AT1G48480	RECEPTOR-LIKE KINASE 1	DOWN	DOWN	-0.57
AT3G26280	CYTOCHROME P450, FAM	DOWN	DOWN	-0.59
AT2G16280	3-KETOACYL-COA SYNTH	DOWN	DOWN	-0.54

AT5G49740	FERRIC REDUCTION OXID	DOWN	DOWN	-1.00
AT2G18300	na	DOWN	DOWN	-0.71
AT1G66100	na	DOWN	DOWN	-1.02
AT5G67030	ABA DEFICIENT 1 (ABA1)	DOWN	DOWN	-0.53
AT1G29920	CHLOROPHYLL A/B-BINDI	DOWN	DOWN	-0.49
AT3G20370	na	DOWN	DOWN	-0.51
AT4G23820	na	DOWN	DOWN	-0.53
AT5G54270	LIGHT-HARVESTING CHLC	DOWN	DOWN	-0.63
AT2G21140	PROLINE-RICH PROTEIN 2	DOWN	DOWN	-0.81
AT1G03130	PHOTOSYSTEM I SUBUNIT	DOWN	DOWN	-0.61
AT5G25460	DUF642 L-GALL RESPON	DOWN	DOWN	-0.41
AT3G15570	na	DOWN	DOWN	-1.14
AT5G35970	na	DOWN	DOWN	-0.44
AT1G23390	na	DOWN	DOWN	-0.75
AT3G54890	PHOTOSYSTEM I LIGHT H	DOWN	DOWN	-0.56
AT1G44446	CHLORINA 1 (CH1)	DOWN	DOWN	-0.44
AT3G47470	LIGHT-HARVESTING CHLC	DOWN	DOWN	-0.42
AT1G01430	TRICHOME BIREFRINGEN	DOWN	DOWN	-0.62
AT3G23030	INDOLE-3-ACETIC ACID IN	DOWN	DOWN	-0.39
AT2G29650	PHOSPHATE TRANSPORT	DOWN	DOWN	-0.63
AT1G13245	ROTUNDIFOLIA LIKE 17 (R	DOWN	DOWN	-0.46
AT4G12320	CYTOCHROME P450, FAMI	DOWN	DOWN	-1.08
AT1G15980	PHOTOSYNTHETIC NDH 5	DOWN	DOWN	-0.68
AT1G51500	ATP-BINDING CASSETTE C	DOWN	DOWN	-0.53
AT3G56940	COPPER RESPONSE DEF	DOWN	DOWN	-0.42
AT5G45950	na	DOWN	DOWN	-0.72
AT3G47500	CYCLING DOF FACTOR 3 (	DOWN	DOWN	-0.41
AT5G04530	3-KETOACYL-COA SYNTH	DOWN	DOWN	-0.48
AT2G43010	PHYTOCHROME INTERAC	DOWN	DOWN	-0.61
AT3G57400	na	DOWN	DOWN	-0.58
AT3G05910	na	DOWN	DOWN	-0.38
AT1G68530	3-KETOACYL-COA SYNTH	DOWN	DOWN	-0.42
AT4G27310	na	DOWN	DOWN	-0.55
AT2G15090	3-KETOACYL-COA SYNTH	DOWN	DOWN	-0.88
AT1G14280	PHYTOCHROME KINASE S	DOWN	DOWN	-0.56
AT5G45820	CBL-INTERACTING PROTE	DOWN	DOWN	-0.63
AT5G13770	na	DOWN	DOWN	-0.53
AT1G09310	na	DOWN	DOWN	-0.48
AT1G42550	PLASTID MOVEMENT IMP	DOWN	DOWN	-0.39
AT3G01500	CARBONIC ANHYDRASE 1	DOWN	DOWN	-0.44
AT1G44000	na	DOWN	DOWN	-0.46
AT1G11410	na	DOWN	DOWN	-0.70

AT3G44970	na	DOWN	DOWN	-0.42
AT1G75100	J-DOMAIN PROTEIN REQU	DOWN	DOWN	-0.54
AT4G25960	ATP-BINDING CASSETTE E	DOWN	DOWN	-0.62
AT4G34610	BEL1-LIKE HOMEODOMAIN	DOWN	DOWN	-0.71
AT4G26530	FRUCTOSE-BISPHOSPHA	DOWN	DOWN	-2.33
AT2G39010	PLASMA MEMBRANE INTR	DOWN	DOWN	-0.55
AT4G23400	PLASMA MEMBRANE INTR	DOWN	DOWN	-0.37
AT2G34620	na	DOWN	DOWN	-0.71
AT1G14290	SPHINGOID BASE HYDRO	DOWN	DOWN	-0.48
AT2G29670	na	DOWN	DOWN	-0.96
AT5G12950	na	DOWN	DOWN	-0.72
AT2G25200	na	DOWN	DOWN	-0.80
AT5G08330	TCP DOMAIN PROTEIN 11	DOWN	DOWN	-0.88
AT5G44680	na	DOWN	DOWN	-1.11
AT2G02950	PHYTOCHROME KINASE S	DOWN	DOWN	-0.61
AT4G26520	FRUCTOSE-BISPHOSPHA	DOWN	DOWN	-1.32
AT4G35100	PLASMA MEMBRANE INTR	DOWN	DOWN	-0.49
AT3G50820	PHOTOSYSTEM II SUBUNI	DOWN	DOWN	-0.55
AT5G17300	REVEILLE 1 (RVE1)	DOWN	DOWN	-0.43
AT1G15260	na	DOWN	DOWN	-0.92
AT3G48420	na	DOWN	DOWN	-0.58
AT4G36220	FERULIC ACID 5-HYDROX	DOWN	DOWN	-0.66
AT5G54630	na	DOWN	DOWN	-0.84
AT5G65730	XYLOGLUCAN ENDOTRAN	DOWN	DOWN	-0.95
AT3G62030	ROTAMASE CYP 4 (ROC4)	DOWN	DOWN	-0.40
AT2G05070	PHOTOSYSTEM II LIGHT H	DOWN	DOWN	-0.66
AT5G27360	(SFP2)	DOWN	DOWN	-0.88
AT2G15020	na	DOWN	DOWN	-0.88
AT4G36540	BR ENHANCED EXPRESSI	DOWN	DOWN	-0.87
AT2G05100	PHOTOSYSTEM II LIGHT H	DOWN	DOWN	-0.67
AT3G27690	PHOTOSYSTEM II LIGHT H	DOWN	DOWN	-0.75
AT1G55260	na	DOWN	DOWN	-0.69
AT5G11420	na	DOWN	DOWN	-0.66
AT2G30010	TRICHOME BIREFRINGEN	DOWN	DOWN	-0.97
AT3G12320	na	DOWN	DOWN	-0.59
AT5G10150	na	DOWN	DOWN	-0.75
AT3G14810	MECHANOSENSITIVE CHA	DOWN	DOWN	-0.66
AT3G16370	na	DOWN	DOWN	-0.71
AT4G18570	na	DOWN	DOWN	-0.91
AT1G29660	na	DOWN	DOWN	-0.50
AT1G67900	na	DOWN	DOWN	-0.83
AT3G45780	PHOTOTROPIN 1 (PHOT1)	DOWN	DOWN	-0.77

AT5G43870	na	DOWN	DOWN	-0.92
AT4G38690	na	DOWN	DOWN	-1.08
AT2G28950	EXPANSIN A6 (EXPA6)	DOWN	DOWN	-0.88
AT5G12960	na	DOWN	DOWN	-0.72
AT5G16030	na	DOWN	DOWN	-1.19
AT5G40380	CYSTEINE-RICH RLK (REC	DOWN	DOWN	-1.15
AT1G04240	SHORT HYPOCOTYL 2 (SH	DOWN	DOWN	-0.60
AT5G62430	CYCLING DOF FACTOR 1 (	DOWN	DOWN	-0.99
AT4G18220	na	DOWN	DOWN	-0.94
AT5G03120	na	DOWN	DOWN	-1.00
AT5G57780	P1R1 (P1R1)	DOWN	DOWN	-0.96
AT3G48720	DEFICIENT IN CUTIN FERL	DOWN	DOWN	-1.06
AT4G04840	METHIONINE SULFOXIDE I	DOWN	DOWN	-1.22
AT5G15310	MYB DOMAIN PROTEIN 16	DOWN	DOWN	-1.17
AT5G61270	PHYTOCHROME-INTERAC	DOWN	DOWN	-1.03
AT2G44230	na	DOWN	DOWN	-1.07
AT4G02850	na	DOWN	DOWN	-0.98
AT5G04960	na	DOWN	DOWN	-1.15
AT4G19690	IRON-REGULATED TRANS	DOWN	DOWN	-0.81
AT3G54590	HYDROXYPROLINE-RICH (	DOWN	DOWN	-1.29
AT1G18810	na	DOWN	DOWN	-1.02
AT5G10250	DEFECTIVELY ORGANIZEI	DOWN	DOWN	-1.61
AT3G10710	ROOT HAIR SPECIFIC 12 (I	DOWN	DOWN	-1.24
AT1G48930	GLYCOSYL HYDROLASE 9	DOWN	DOWN	-1.37
AT3G09925	na	DOWN	DOWN	-0.83
AT4G34580	CAN OF WORMS1 (COW1)	DOWN	DOWN	-1.35
AT3G21180	AUTOINHIBITED CA(2+)-AT	DOWN	DOWN	-1.79
AT1G30870	na	DOWN	DOWN	-0.76
AT3G49960	na	DOWN	DOWN	-2.61
AT1G12040	LEUCINE-RICH REPEAT/E)	DOWN	DOWN	-1.51
AT5G67400	ROOT HAIR SPECIFIC 19 (I	DOWN	DOWN	-2.08
AT4G40090	ARABINO GALACTAN PRO1	DOWN	DOWN	-1.45
AT1G62980	EXPANSIN A18 (EXPA18)	DOWN	DOWN	-1.49
AT1G12560	EXPANSIN A7 (EXPA7)	DOWN	DOWN	-1.09
AT3G62680	PROLINE-RICH PROTEIN 3	DOWN	DOWN	-1.98
AT5G57625	na	DOWN	DOWN	-1.87
AT1G27140	GLUTATHIONE S-TRANSFI	DOWN	DOWN	-2.42
AT4G02270	ROOT HAIR SPECIFIC 13 (I	DOWN	DOWN	-1.75
AT5G49270	SHAVEN 2 (SHV2)	DOWN	DOWN	-1.63
AT5G35190	EXTENSIN 13 (EXT13)	DOWN	DOWN	-1.80
AT1G05240	na	DOWN	DOWN	-2.47
AT1G05250	na	DOWN	DOWN	-2.47

AT2G03720 MORPHOGENESIS OF ROOT(DOWN DOWN -1.93

i. UP refers to genes that have higher expression levels in the inducible SPCH line (l differentially expressed transcripts with a FDR < 0.05 were deemed significant.

p.adj.6h ²	log2(iSPCH/WT)_8h	p.adj.8h ²	mean_iSPCH_	mean_iSPCH_
0	8.41	0	201.08	37372.30
1.12E-97	5.42	1.73E-220	66.44	533.89
1.54E-18	4.71	4.17E-39	42.46	113.71
5.39E-15	3.96	2.36E-86	109.33	174.14
2.39E-148	3.96	1.03E-204	344.06	2670.96
0.019534588	3.12	7.57E-21	59.28	51.91
2.76E-18	2.92	1.08E-31	20.72	205.78
9.48E-12	2.82	1.83E-79	166.24	445.70
0.000759107	2.79	2.24E-13	27.00	62.36
7.66E-05	2.77	2.52E-09	51.58	51.38
3.84E-16	2.37	1.69E-36	156.55	339.09
0.003200765	2.35	1.33E-13	123.34	185.13
1.80E-05	2.30	6.04E-19	196.57	117.38
0.000447645	2.22	3.46E-13	41.87	84.86
0.019858454	2.14	6.20E-10	42.84	60.31
0.009775118	2.12	7.46E-19	114.09	110.07
1.08E-19	2.12	5.03E-62	554.07	833.68
5.39E-15	2.09	1.30E-33	586.56	1160.91
2.67E-11	2.02	1.83E-30	212.91	318.26
0.040823113	1.90	3.17E-18	154.05	131.99
1.66E-18	1.86	5.04E-23	216.18	990.92
0.006510814	1.83	1.03E-22	200.81	209.46
8.77E-05	1.80	4.79E-08	353.77	809.98
0.045807271	1.76	6.49E-24	157.84	224.21
0.009823904	1.76	1.32E-50	1071.31	787.34
4.77E-20	1.74	2.80E-59	955.74	2527.74
2.15E-05	1.74	4.78E-11	38.98	164.91
0.001223077	1.73	1.98E-10	34.73	101.40
1.16E-25	1.70	3.18E-54	1175.19	2444.94
0.015696046	1.59	1.98E-11	115.09	150.29
5.97E-05	1.58	6.20E-10	261.42	341.37
1.80E-05	1.47	5.52E-30	352.11	724.06
0.032168761	1.46	4.35E-09	69.83	152.96
1.33E-09	1.44	3.30E-35	1020.56	1319.88
9.59E-06	1.33	2.74E-20	235.75	480.94
1.08E-07	1.27	1.50E-34	1624.96	3215.96

0.000828887	1.26	1.05E-20	189.80	668.07
9.76E-15	1.25	5.84E-28	803.25	1925.15
0.030700839	1.11	1.95E-09	365.84	255.98
0.017791015	1.09	5.78E-07	675.05	1576.04
0.032460013	1.07	1.80E-10	399.46	318.26
0.014022847	1.02	1.18E-08	218.61	314.93
3.54E-08	1.01	4.93E-17	102.15	1320.39
1.47E-09	0.98	2.09E-18	510.12	2341.65
0.030365324	0.98	4.32E-12	1158.26	959.29
0.000820959	0.96	3.26E-05	215.44	185.70
0.001587984	0.85	1.13E-14	2415.69	2787.02
9.76E-15	0.80	0.0007639	13.00	1992.41
3.85E-07	0.79	5.36E-06	249.90	445.53
1.19E-05	0.79	9.58E-10	884.19	1125.46
0.017517319	0.75	7.29E-10	1000.12	1233.31
0.000834962	0.70	0.00055704	586.30	434.54
0.048714618	0.69	7.83E-05	737.50	331.22
0.003955929	0.68	0.00087517	98.26	441.81
1.69E-10	0.68	8.99E-10	3208.43	3482.36
0.006565732	0.64	0.00028626	67.90	505.71
0.001233811	0.62	6.61E-08	620.29	2829.65
0.030810185	0.62	0.00047008	526.89	386.01
0.047268441	0.59	0.00010261	952.34	528.60
0.029849692	0.58	0.00133696	336.02	424.26
0.000452268	0.57	3.96E-07	5270.14	4254.11
9.83E-13	0.55	0.00031977	321.23	953.77
0.009788874	0.45	0.00013384	1688.97	6997.91
0.038054127	0.30	0.47217851	1867.49	506.11
2.06E-05	0.26	0.20194618	2421.08	3432.25
2.78E-05	0.26	0.20297524	2448.04	3472.82
0.001067175	0.02	1	1554.19	2544.42
0.000227913	-0.07	1	416.45	634.42
0.020228861	-0.07	1	661.47	1159.96
0.023602566	-0.43	0.21402741	335.65	342.73
0.048714618	-0.70	0.16513796	61.14	112.69
0.037437928	-0.46	0.01049083	1946.34	944.41
1	5.64	0.00032328	3.87	1.09
1	4.35	0.03533577	0.95	3.37
1	4.15	0.00211981	20.67	1.97
1	3.76	1.75E-08	10.57	11.03
1	3.05	3.68E-06	2.91	38.38
1	3.00	8.70E-16	15.92	32.47

1	2.98	7.71E-06	37.05	16.33
1	2.95	8.85E-05	9.14	4.55
1	2.78	8.68E-05	36.59	18.82
1	2.65	2.72E-09	9.69	46.70
0.766372432	2.60	8.02E-05	6.30	9.02
1	2.59	8.21E-07	3.39	13.92
1	2.51	0.0001543	13.97	35.63
1	2.45	5.82E-12	14.45	41.66
1	2.37	0.00018259	17.41	23.55
1	2.35	7.04E-10	27.47	57.20
1	2.28	4.87E-08	23.63	42.02
1	2.08	4.20E-11	28.89	60.75
0.325824149	2.05	1.34E-16	67.01	87.01
1	2.03	0.00127841	126.72	276.73
0.89590341	2.00	2.03E-07	28.42	24.60
1	1.98	2.54E-06	4.82	32.52
0.592972341	1.98	2.49E-06	85.07	318.87
1	1.94	0.00163272	99.18	124.47
1	1.94	5.05E-09	42.40	24.68
0.443349326	1.86	2.44E-09	3627.83	2587.73
1	1.70	1.02E-05	118.00	130.60
1	1.67	1.02E-06	38.51	59.43
1	1.66	3.32E-09	52.03	71.51
1	1.63	7.27E-06	56.89	161.19
0.074389821	1.62	7.03E-16	222.69	209.20
0.184507611	1.60	8.55E-07	40.95	66.04
0.626432848	1.58	2.93E-17	63.16	186.27
1	1.57	6.27E-07	54.92	415.07
0.292601428	1.54	1.27E-24	654.90	620.02
1	1.52	5.65E-14	1497.60	574.87
1	1.50	1.18E-05	21.19	32.21
1	1.49	4.40E-05	62.12	35.19
1	1.48	6.59E-08	128.56	68.71
0.800266842	1.47	4.02E-15	324.00	125.04
1	1.45	5.40E-12	59.78	142.15
1	1.43	0.00013947	92.49	45.38
1	1.42	3.48E-09	1084.33	902.71
0.231377795	1.42	7.81E-32	779.77	826.50
1	1.42	7.20E-18	368.63	244.86
1	1.40	0.00155861	8.68	32.91
0.762901076	1.39	1.55E-15	3792.69	6442.24
0.142640045	1.38	2.04E-23	474.81	501.20

1	1.36	6.42E-09	92.44	103.72
1	1.36	5.28E-19	156.44	320.58
0.447821193	1.35	6.15E-08	112.60	117.16
1	1.34	4.03E-12	75.49	154.80
0.633715702	1.34	4.04E-28	1125.67	830.49
1	1.33	7.34E-07	60.18	65.47
1	1.30	2.49E-10	45.29	155.54
0.999702177	1.27	1.80E-10	89.05	194.36
0.056991947	1.27	2.03E-08	176.08	135.28
1	1.26	7.91E-06	83.77	81.27
0.416406185	1.24	9.02E-10	649.88	466.28
1	1.24	3.41E-12	478.31	155.67
1	1.23	3.20E-12	42.84	241.28
1	1.23	0.00026531	24.05	40.96
0.611390707	1.23	5.58E-13	199.98	290.60
1	1.23	8.23E-05	62.68	25.82
1	1.23	6.86E-14	301.40	254.23
1	1.21	0.00597858	555.72	222.46
1	1.20	1.04E-09	94.84	162.50
0.692708418	1.20	1.58E-10	363.35	181.58
1	1.19	0.00108478	62.09	40.66
0.332401211	1.18	1.12E-07	97.41	92.17
1	1.18	0.00078799	24.57	57.29
1	1.18	1.59E-10	122.25	177.90
1	1.17	1.35E-06	107.94	96.15
1	1.17	5.65E-14	962.45	284.91
1	1.17	3.76E-07	71.32	126.83
0.91439375	1.16	7.90E-07	633.91	1188.88
1	1.15	8.60E-05	89.64	119.04
0.059742206	1.13	1.22E-08	130.40	389.73
1	1.13	2.86E-07	110.74	135.46
1	1.11	2.14E-13	229.80	445.58
0.256151691	1.11	5.62E-09	122.90	238.39
1	1.09	1.30E-07	278.32	335.55
1	1.09	1.25E-14	167.15	470.87
1	1.06	4.30E-07	76.18	224.17
1	1.05	1.50E-14	750.45	507.11
0.471535827	1.04	5.23E-09	244.04	221.80
1	1.04	1.09E-12	202.32	394.68
1	1.01	3.41E-10	1598.56	460.68
1	1.01	4.00E-07	110.62	178.91
0.61636868	1.00	4.47E-10	461.11	346.05

0.074065238	1.00	4.27E-13	437.89	616.96
1	0.99	1.54E-09	492.86	250.16
1	0.98	6.79E-08	714.40	780.73
0.500484179	0.98	3.02E-21	2347.22	4177.08
1	0.98	2.88E-09	183.38	251.87
1	0.98	6.98E-08	109.22	238.96
1	0.98	5.25E-20	1196.81	2701.32
0.971035353	0.97	4.98E-19	1583.08	1984.85
1	0.96	0.00076711	324.80	815.57
0.134823999	0.96	2.72E-09	126.79	383.47
0.835820639	0.96	1.39E-15	444.66	1184.07
1	0.95	3.90E-07	176.04	186.57
1	0.95	2.83E-09	162.98	378.79
1	0.95	6.14E-10	955.68	1082.88
0.192771852	0.94	3.62E-18	2537.87	2385.46
1	0.94	0.0001788	119.91	111.08
1	0.94	4.12E-15	906.85	984.67
0.668347168	0.93	8.01E-12	825.68	531.66
1	0.93	1.30E-07	250.57	337.56
1	0.92	0.0002325	41.55	126.83
1	0.92	4.12E-08	258.07	293.36
1	0.91	4.69E-05	152.75	159.09
1	0.91	0.00065227	1270.15	2841.42
0.4438406	0.91	1.92E-07	1164.97	517.09
1	0.90	0.00036209	174.98	109.33
1	0.89	6.20E-10	436.52	479.80
0.383262572	0.89	1.33E-09	333.13	500.06
1	0.88	0.0020644	210.28	58.95
1	0.88	0.00394613	96.38	81.14
1	0.88	1.92E-09	274.56	495.82
1	0.87	4.55E-12	1990.31	4183.45
1	0.85	0.02806096	70.47	75.76
1	0.84	0.00013262	49.06	153.44
0.598638652	0.83	2.24E-13	778.27	1689.08
1	0.83	0.00472694	148.28	89.94
0.099692181	0.81	1.02E-07	655.09	497.61
1	0.80	4.24E-09	521.48	669.73
1	0.80	0.00010261	703.49	761.21
1	0.80	4.36E-08	615.10	537.13
0.609863121	0.78	9.08E-09	534.66	719.85
1	0.78	9.21E-06	160.09	342.16
0.405123378	0.77	0.00392564	238.08	151.91

1	0.76	0.00018605	188.38	287.58
1	0.76	0.00044935	117.07	210.33
0.417482339	0.76	6.09E-05	406.94	177.86
0.958118834	0.75	8.51E-08	1775.84	775.31
1	0.75	2.99E-08	569.26	740.99
1	0.75	3.95E-06	708.32	939.47
0.414062537	0.74	6.92E-09	816.69	996.53
1	0.74	0.00027595	198.78	196.81
1	0.73	6.31E-05	671.27	779.41
1	0.73	2.72E-08	3248.81	3927.82
1	0.72	5.36E-06	235.86	402.16
0.682022637	0.72	1.76E-08	1301.55	1704.35
1	0.70	1.09E-05	1090.58	271.92
0.645665068	0.70	0.00103081	665.29	221.58
1	0.68	4.61E-08	1710.63	1296.32
1	0.68	7.70E-06	524.54	414.72
1	0.68	1.06E-05	487.55	454.72
0.723896029	0.68	0.00039253	430.30	279.01
0.680196308	0.68	2.89E-10	9917.85	8103.25
1	0.68	0.00021738	245.24	259.62
1	0.67	4.59E-07	734.50	763.58
0.401282291	0.65	0.00748405	622.96	387.46
0.929485597	0.65	0.00789165	297.98	175.85
1	0.65	0.01538877	272.90	154.01
1	0.64	0.00020112	261.77	299.53
1	0.64	7.71E-07	865.17	860.65
0.80122176	0.64	2.92E-08	1215.90	2178.27
1	0.63	7.32E-08	1487.13	1177.60
0.316047223	0.63	0.01122766	1406.45	479.63
0.308365027	0.63	0.00115043	345.48	304.26
0.397972883	0.63	0.02645197	589.08	342.69
0.829853927	0.63	2.14E-05	1068.62	596.52
0.615166995	0.63	0.01163844	146.43	200.62
1	0.62	4.82E-05	246.28	485.27
0.750584973	0.62	2.89E-06	678.05	820.25
0.163677662	0.62	1.49E-05	2492.86	1006.35
1	0.61	9.76E-06	1344.01	665.98
0.443281771	0.61	0.00016218	487.39	462.20
1	0.60	3.75E-06	455.16	3521.81
1	0.59	0.01396428	251.53	210.82
1	0.58	2.86E-07	2449.90	4440.53
1	0.58	2.13E-05	644.73	1898.76

0.95783597	0.56	0.00137007	102.10	347.02
1	0.56	0.03969995	525.95	1513.14
1	0.56	0.0020385	20117.50	5608.21
1	0.55	0.00014127	2299.02	5273.04
0.704064431	0.54	0.00415034	499.67	352.71
1	0.54	1.87E-05	1013.43	1865.40
0.592972341	0.53	0.00503337	440.10	212.17
0.678556436	0.53	0.01667619	312.54	222.63
0.253394324	0.52	5.44E-06	486.21	4554.58
1	0.52	0.00359891	593.75	424.88
1	0.51	1.57E-05	2360.27	2378.28
1	0.50	8.82E-06	12835.73	11605.74
0.116433794	0.50	0.00441462	569.33	525.05
0.113593079	0.50	0.00292299	6672.04	8158.73
0.706722258	0.50	0.01247514	542.82	321.63
0.578933822	0.49	0.00023507	5724.49	1481.00
0.192194213	0.49	0.00143581	1174.76	726.64
0.609863121	0.47	6.04E-05	3685.62	4465.97
0.633345444	0.47	0.00026994	1625.68	1478.27
1	0.46	0.02116721	8703.13	11378.79
0.28250991	0.46	0.01126561	352.90	536.74
0.589880887	0.45	0.01350593	685.39	602.12
0.690884815	0.45	0.00013947	6097.80	4517.83
0.409651689	0.44	0.0455293	745.25	289.86
0.550073192	0.43	0.00664323	946.07	565.98
1	0.42	0.00088304	2310.14	2368.62
0.100036751	0.42	0.02624497	546.28	631.62
0.620901277	0.42	0.00727112	1087.88	897.93
0.765308227	0.41	0.00050733	12333.09	6595.97
1	0.40	0.00793824	1361.91	955.09
0.943146986	0.40	0.0016872	4838.70	2590.44
0.25261531	0.35	0.03455382	1313.03	1055.01
0.650175373	log(0)	0.02619489	20.21	5.34
0.797543155	log(0)	0.00702193	23.08	3.28
0.632807792	log(0)	0.01275139	42.88	3.46
0.547063603	log(0)	0.03376808	31.25	2.58
0.189294923	-0.30	0.03833207	3320.25	2567.25
0.433018562	-0.30	0.03749385	1996.05	5127.66
1	-0.32	0.02287048	463.20	5329.64
0.531555931	-0.33	0.00871708	6741.20	20917.88
0.278354504	-0.34	0.01219577	1948.45	2567.00
1	-0.35	0.0112171	1082.61	2160.12

0.167281066	-0.36	0.00529531	4877.18	2645.07
0.830709492	-0.37	0.00299104	4260.16	9543.09
1	-0.37	0.04230533	1131.42	784.27
0.929637381	-0.38	0.00088293	6557.79	51978.95
0.561924989	-0.40	0.01051251	7735.48	11088.02
0.280300348	-0.40	0.00154336	1460.96	12307.94
0.962841443	-0.41	0.00275833	578.84	1928.11
0.78909221	-0.42	0.00027236	46151.09	17012.98
0.127220267	-0.42	0.00987235	1013.09	881.74
1	-0.42	0.00068117	16029.67	4013.54
1	-0.43	0.00111963	832.95	2314.83
1	-0.43	0.00033049	9768.61	8588.25
0.071322167	-0.45	0.00038498	1730.89	2406.91
0.234861676	-0.45	0.01432124	1485.27	390.17
0.991700223	-0.45	0.00209224	2280.44	1165.07
0.19824121	-0.46	0.00010528	3130.85	3377.08
0.255905166	-0.50	3.48E-05	1941.50	2590.93
1	-0.52	0.00011451	1644.41	1328.18
0.153749894	-0.53	5.95E-06	9671.69	4119.80
0.078593231	-0.53	0.00068182	1102.63	453.02
0.202773152	-0.53	4.69E-05	2845.66	1245.60
0.068532701	-0.54	0.02046009	374.33	136.59
0.07294117	-0.54	0.00182772	1697.26	880.42
1	-0.57	6.91E-07	9243.86	13979.14
1	-0.57	1.35E-05	3133.68	1715.73
0.079817838	-0.61	8.47E-05	908.43	515.03
1	-0.61	5.19E-08	4329.44	6881.00
0.597362705	-0.61	0.02535886	96.11	11761.15
0.15807177	-0.61	2.27E-05	1331.39	642.82
1	-0.63	1.68E-05	5750.81	1177.37
1	-0.63	8.89E-07	385.48	1552.49
0.73425876	-0.63	2.78E-06	94092.01	17555.98
0.386845268	-0.64	4.15E-09	7731.25	7237.99
1	-0.64	0.00066522	1013.17	2615.11
0.89590341	-0.64	0.00121119	228.74	315.72
1	-0.65	0.00048955	360.20	408.06
1	-0.65	0.0001051	603.10	468.55
1	-0.66	2.24E-08	3727.91	2262.92
0.949396562	-0.66	0.0041951	328.21	200.05
0.194277793	-0.67	1.92E-08	10460.09	2722.99
1	-0.68	9.26E-06	3635.04	811.10
1	-0.68	0.00094435	531.39	317.43

1	-0.69	7.44E-07	1224.64	953.52
1	-0.71	9.61E-08	773.42	1195.54
0.084746202	-0.73	0.00041251	215.28	240.75
0.172495071	-0.75	1.89E-07	3852.16	713.60
0.766431843	-0.76	0.01117664	145.09	141.06
1	-0.76	1.84E-05	571.44	425.05
0.317442694	-0.77	5.81E-14	31979.57	26596.20
0.096789531	-0.78	4.74E-11	3946.80	1374.63
0.689652597	-0.78	2.32E-11	956.47	1448.90
1	-0.80	3.71E-08	1457.53	562.17
1	-0.81	1.82E-07	697.42	526.19
1	-0.84	6.27E-07	1331.69	383.48
1	-0.84	0.00042484	212.83	161.32
0.148633497	-0.85	1.11E-15	40794.18	10232.54
1	-0.85	7.60E-07	1237.82	352.67
0.49379537	-0.88	1.11E-08	2527.53	1078.69
0.150089295	-0.90	1.06E-10	19551.93	20315.02
1	-0.92	6.19E-07	712.70	273.45
0.42412443	-0.93	6.20E-17	4455.12	4232.00
0.173531612	-0.93	4.27E-10	746.11	508.69
1	-0.94	7.01E-07	200.52	1425.55
1	-0.98	1.21E-06	254.68	228.80
0.465986159	-0.99	3.37E-05	140.71	128.06
0.081765035	-1.03	4.66E-08	2957.67	1574.75
1	-1.04	0.00603162	263.45	62.10
1	-1.07	6.06E-13	1025.91	587.85
1	-1.14	2.74E-07	416.08	199.79
0.668192693	-1.18	1.05E-06	288.37	123.90
0.391977494	-1.18	2.08E-13	1435.38	459.67
0.31724515	-1.20	2.25E-13	883.03	1097.63
1	-1.21	1.98E-05	227.73	140.75
0.800266842	-1.28	5.77E-11	470.06	338.04
0.130388709	-1.30	1.55E-19	4252.06	2744.07
1	-1.41	4.77E-16	2857.19	341.20
0.811106684	-1.43	1.59E-10	355.89	164.95
0.175910396	-1.50	8.56E-08	427.42	89.02
0.590985784	-1.61	9.61E-05	294.57	39.48
1	-1.84	1.43E-09	304.39	108.54
1	-1.99	0.00140703	77.47	44.42
0.137847306	-2.07	7.57E-06	120.83	36.15
0.59964902	-2.57	3.96E-08	182.13	33.39
0.829853927	-2.61	1.92E-09	87.66	52.91

0.628991666	-2.83	2.47E-09	149.96	60.96
0.200656411	-2.92	2.92E-09	107.96	27.97
0.059685625	-2.94	9.40E-11	190.33	48.36
0.097961803	-2.97	9.36E-12	229.52	54.71
0.153749894	-3.43	8.80E-05	30.77	9.02
0.750461578	-3.48	0.00014159	61.14	7.53
0.461367412	-3.50	1.59E-08	94.41	20.00
0.26834341	-3.83	1.84E-06	586.64	57.34
0.601868058	-4.21	5.05E-09	111.31	26.70
1	-4.41	0.00644285	11.55	13.22
0.294960159	-4.69	3.50E-07	701.57	45.21
0.473073063	-4.84	0.00011603	35.70	6.13
0.531831626	-4.96	6.80E-07	586.77	43.37
0.044389826	0.51	0.15092803	123.35	86.70
6.64E-06	0.30	0.10714014	2821.76	453.37
1.98E-06	0.27	0.37838826	4471.45	729.54
0.000149164	0.24	0.82513659	513.00	64.91
0.003221757	0.21	0.61195587	662.38	299.92
0.019366688	0.17	0.67820267	390.27	627.99
0.000111146	0.03	1	142.07	327.28
0.002786324	0.01	1	759.79	1230.72
0.002549717	0.00	1	692.71	732.67
0.00050788	0.00	1	303.80	505.23
0.000721828	-0.06	1	269.12	44.16
0.000107293	-0.07	1	2276.49	3225.85
1.58E-05	-0.07	1	8448.09	2606.03
0.000831919	-0.12	0.91883456	3856.45	1003.59
0.000141069	-0.15	0.61195587	1895.00	1564.53
0.013450848	-0.18	0.52275394	1081.67	1298.55
6.38E-11	-0.18	0.71273511	1394.12	374.46
0.003748852	-0.18	0.66700657	848.67	435.29
5.88E-05	-0.20	0.67202685	245.48	263.86
0.010225651	-0.22	0.37209128	252.90	1240.97
0.001897984	-0.22	0.39890687	1078.97	440.06
0.01511746	-0.23	0.20629333	2819.22	3481.06
3.62E-06	-0.24	0.72160681	868.93	93.83
0.013583814	-0.25	0.13882542	2640.98	2284.18
6.31E-07	-0.25	0.30132605	2069.94	644.97
5.82E-08	-0.28	0.15569943	2007.73	665.68
0.000256926	-0.28	0.62282409	182.98	128.28
8.17E-09	-0.36	0.076365	931.14	261.72
0.029974966	-0.37	0.36002886	56.31	162.32

0.00014107	-0.38	0.05002371	782.74	450.52
0.001778367	-0.44	0.08254488	859.71	310.03
0.00656731	-0.44	0.5603755	291.78	50.55
0.020360874	-0.45	0.10714014	318.07	168.32
0.000834962	-0.59	0.12093591	418.45	77.69
0.002921391	-0.61	0.3910212	162.74	32.82
0.024661328	-2.15	0.09879962	47.17	4.46
0.003725862	-0.30	0.01676001	19117.70	8148.09
0.040841168	-0.36	0.03953009	619.66	701.99
6.33E-14	-0.37	0.01367789	1302.83	1253.14
4.15E-20	-0.38	0.00894753	28549.03	4530.07
3.33E-20	-0.39	0.00778478	28508.07	4496.85
0.001901232	-0.40	0.00060998	9155.87	6614.13
0.03011452	-0.41	0.03582166	593.04	633.46
4.90E-08	-0.41	0.02939204	1593.28	323.17
0.025641553	-0.42	0.02491934	303.58	466.50
4.21E-07	-0.42	0.01256821	943.25	532.76
0.004244483	-0.42	0.00088764	1993.75	1982.03
0.013178597	-0.42	0.00084479	1121.88	2026.99
0.000187044	-0.43	0.00111011	5070.32	1836.63
0.023216144	-0.45	0.0447868	185.79	268.94
0.00137171	-0.45	0.00095072	2895.95	5420.58
0.023730071	-0.46	0.00025644	3079.96	1685.97
0.028628276	-0.46	2.32E-05	92244.96	88481.93
0.001023799	-0.47	0.00023435	1624.75	1271.73
7.88E-06	-0.47	0.00010005	5505.76	1605.58
0.010058718	-0.48	0.00010627	6044.97	1628.47
4.67E-06	-0.49	1.28E-05	8463.88	4382.15
0.001544574	-0.50	4.19E-06	36272.20	26083.23
0.001584212	-0.50	5.81E-05	2536.69	1571.92
0.036869844	-0.50	1.81E-05	2558.05	6160.43
0.004140365	-0.51	0.00226367	2138.68	1460.10
2.99E-13	-0.51	0.01304479	830.01	862.05
0.013018831	-0.51	4.20E-06	139864.07	78720.95
7.62E-08	-0.51	0.00647035	917.72	288.63
0.004176392	-0.52	3.98E-05	1450.10	1369.41
5.88E-05	-0.54	0.00128757	1268.49	640.63
0.00257838	-0.54	3.00E-06	11456.80	4135.47
0.000366177	-0.54	0.00045249	10494.98	1808.36
0.000582002	-0.54	0.00013384	2579.36	684.72
0.001333712	-0.54	0.0017854	139.23	423.65
1.74E-05	-0.55	3.13E-06	4579.36	1784.74

1.08E-05	-0.56	0.02476487	787.39	216.29
3.01E-07	-0.57	5.22E-05	1908.01	1004.06
3.31E-10	-0.57	0.00082405	2059.57	707.55
3.97E-05	-0.57	1.34E-06	8654.67	2568.77
0.007237126	-0.57	3.54E-05	315344.69	220854.56
0.000452268	-0.57	1.01E-06	7156.95	1356.08
0.000281331	-0.58	1.81E-06	2096.31	1225.83
3.73E-08	-0.58	4.89E-08	119876.17	56427.48
3.17E-07	-0.58	0.00056265	1222.59	378.88
4.24E-05	-0.58	4.15E-06	39984.95	14949.18
0.003348942	-0.59	1.06E-07	5929.28	6966.05
1.45E-08	-0.60	0.00268353	410.10	142.85
0.002312632	-0.60	2.65E-07	11946.93	2295.33
5.70E-05	-0.60	0.00044606	4325.22	6395.61
0.000190515	-0.60	2.08E-06	127554.94	90618.65
0.008298968	-0.61	7.70E-06	8928.49	2644.88
0.001258808	-0.61	3.19E-09	152595.47	168036.93
1.05E-05	-0.61	1.69E-06	1774.16	1100.36
0.040841168	-0.61	7.10E-06	1162.71	830.23
0.000164402	-0.62	7.49E-05	1937.36	818.46
0.000884469	-0.62	1.41E-06	729.86	1125.85
1.38E-08	-0.62	0.00510845	713.97	140.27
1.41E-06	-0.62	1.46E-06	4946.70	960.75
7.74E-05	-0.63	4.78E-08	3794.27	1573.80
0.002389111	-0.63	3.32E-09	58388.50	27117.48
0.002203334	-0.63	0.00139179	1590.95	205.40
0.019858454	-0.63	2.30E-05	970.30	754.91
0.000342107	-0.63	2.04E-08	2708.20	1933.50
7.37E-06	-0.64	2.58E-07	860.80	1168.45
0.000688456	-0.65	7.70E-06	906.26	571.01
0.041762796	-0.65	1.08E-06	1496.33	924.11
0.00242712	-0.66	1.06E-09	7056.34	5698.27
0.001149404	-0.66	8.46E-06	805.33	699.33
0.000123711	-0.66	0.00190651	654.91	646.46
7.98E-05	-0.66	4.80E-07	1078.51	923.62
0.000412132	-0.67	0.00010005	940.36	1064.24
0.000151261	-0.67	3.57E-08	3666.95	1628.43
0.000704322	-0.67	2.57E-10	18497.21	4206.10
0.005123539	-0.68	4.34E-10	3250.55	3340.16
0.001160818	-0.68	4.62E-11	133221.67	33218.51
0.006619303	-0.68	6.24E-07	4118.79	742.57
0.003593917	-0.69	0.00244957	444.46	123.90

0.048079439	-0.69	5.15E-06	2054.62	494.38
0.000883778	-0.69	7.32E-06	1442.32	571.18
2.03E-05	-0.70	1.11E-08	2529.76	940.92
0.0003393	-0.71	8.85E-05	1126.73	231.65
4.97E-46	-0.72	3.26E-06	2396.63	205.62
1.01E-05	-0.72	1.06E-11	5306.03	5156.06
0.011861686	-0.72	1.46E-11	7055.70	6575.86
7.25E-07	-0.73	6.04E-08	2954.65	714.13
0.000571718	-0.74	1.41E-09	846.58	1318.03
4.25E-15	-0.75	4.52E-09	353.64	977.15
3.70E-07	-0.75	2.69E-09	1172.79	875.44
6.39E-05	-0.75	8.03E-05	90.55	232.22
1.89E-08	-0.76	3.28E-07	1274.12	668.91
1.88E-13	-0.76	3.76E-07	1728.04	342.64
3.70E-05	-0.77	1.07E-08	561.69	622.56
2.67E-11	-0.77	0.00011362	494.35	116.37
2.47E-05	-0.78	5.73E-15	20439.65	27341.14
0.000553948	-0.78	4.13E-10	36712.15	13216.81
0.021481698	-0.79	1.37E-06	1431.69	887.24
1.18E-06	-0.80	2.74E-06	890.74	176.42
0.000121618	-0.80	1.07E-09	3721.41	1262.33
0.000446071	-0.81	5.61E-08	3635.56	389.35
3.73E-08	-0.81	9.68E-09	742.78	453.19
5.38E-06	-0.81	3.83E-05	3216.80	2355.88
0.015294331	-0.82	4.78E-12	18148.17	7162.18
0.008116034	-0.82	2.57E-05	81841.39	41889.75
0.000265116	-0.83	0.00011578	524.81	110.68
0.000651562	-0.83	0.00365276	981.33	94.23
1.30E-08	-0.84	3.76E-09	1375.60	407.63
0.011302571	-0.84	4.23E-05	87411.65	46229.87
5.23E-05	-0.85	1.12E-07	35547.67	6556.57
0.000759107	-0.87	3.86E-08	1575.17	282.03
6.77E-08	-0.88	2.60E-16	4464.90	3030.42
1.23E-09	-0.90	1.24E-09	2631.46	499.59
0.005555149	-0.90	2.49E-05	688.03	250.07
0.000413998	-0.90	2.91E-06	456.09	469.12
5.88E-05	-0.90	3.02E-09	1013.98	399.88
1.63E-07	-0.92	1.33E-15	12041.88	2519.56
1.08E-10	-0.92	2.17E-11	1137.47	479.67
0.036268751	-0.94	4.78E-12	5771.23	550.89
0.000174454	-0.94	1.16E-06	1190.67	356.34
2.88E-11	-0.94	1.52E-18	4917.07	2173.00

1.76E-05	-0.97	1.08E-06	556.77	144.78
5.85E-19	-0.97	1.46E-16	1127.06	886.51
2.99E-08	-0.97	2.91E-10	1894.47	306.40
0.001160818	-0.98	2.71E-08	290.22	208.46
2.22E-23	-0.99	1.51E-17	2729.75	801.65
9.06E-07	-0.99	8.96E-06	445.68	94.97
0.013959322	-0.99	1.17E-06	943.99	272.04
0.000301588	-1.01	0.00103912	456.67	80.31
0.000175175	-1.02	5.50E-06	345.28	99.87
0.000148245	-1.04	2.45E-05	394.74	107.71
0.018818984	-1.17	0.00216546	132.50	47.14
1.69E-10	-1.20	3.44E-15	1198.54	263.87
3.61E-20	-1.26	7.75E-26	3415.08	501.12
9.48E-12	-1.31	5.71E-16	389.16	192.70
1.89E-08	-1.33	1.21E-14	597.41	189.55
3.79E-09	-1.39	2.77E-16	1296.84	167.80
0.024661328	-1.40	0.00057219	496.26	39.78
0.003253767	-1.49	6.52E-06	348.12	41.75
0.000394931	-1.56	2.67E-22	2683.35	401.82
0.007589164	-1.95	4.12E-08	3071.29	473.12
6.34E-08	-2.12	7.81E-32	474.07	191.17
0.000884469	-2.16	3.96E-07	170.11	18.21
0.020937178	-2.26	3.75E-06	138.26	25.73
4.47E-05	-2.33	4.03E-12	206.05	46.04
0.01325138	-2.42	4.61E-18	266.70	79.70
0.007258025	-2.69	4.53E-09	156.54	23.46
0.000132586	-2.85	2.23E-09	144.88	14.88
0.002282776	-3.26	1.11E-40	520.64	151.26
0.000141591	-3.30	1.37E-05	139.27	4.55
0.000660677	-3.42	5.00E-18	470.78	54.97
9.80E-11	-3.43	1.99E-17	319.88	25.52
5.21E-06	-3.69	4.96E-23	302.48	50.81
0.010506476	-3.79	2.04E-08	119.96	16.63
0.008385676	-3.79	2.37E-20	204.27	55.89
8.68E-18	-3.87	6.93E-41	496.20	58.25
2.02E-06	-3.90	7.57E-21	277.12	49.33
0.010541753	-3.92	5.22E-05	108.44	3.46
0.000568962	-3.98	8.48E-15	259.35	35.06
3.37E-05	-4.15	6.08E-19	194.61	24.47
0.007589164	-4.41	2.61E-13	839.13	37.73
2.81E-27	-4.49	1.80E-56	943.93	96.51
8.65E-28	-4.49	5.63E-57	944.88	96.11

0.041289824 -4.91

4.72E-05

59.73

6.52

iSPCH) relative to wild type (WT) upon induction. Similarly, DOWN refers to genes with low

mean_iSPCH	mean_WT_0h	mean_WT_6h	mean_WT_8h
40697.93	177.92	116.55	120.02
1878.91	83.18	36.68	43.74
369.68	41.59	9.77	14.13
667.18	97.05	50.27	42.83
3716.87	346.59	270.63	239.65
154.29	55.45	22.94	17.79
269.45	23.11	44.68	35.59
1116.35	141.72	200.62	158.10
105.32	36.97	20.55	15.18
63.58	50.06	13.20	9.33
537.48	107.83	109.60	103.81
326.26	134.79	85.44	63.84
164.61	154.81	50.74	33.45
152.40	40.05	34.94	32.76
117.90	39.28	27.83	26.74
227.79	103.98	61.75	52.29
1521.96	566.10	353.85	350.79
1594.21	595.36	428.33	374.73
457.22	206.41	132.37	113.09
263.89	153.27	79.05	70.70
1008.76	181.00	297.54	277.38
379.99	199.48	127.60	106.68
1058.33	415.91	303.52	303.32
497.93	154.04	149.24	146.55
2114.01	1245.41	586.26	623.53
4107.70	867.25	1216.09	1227.03
218.75	53.91	70.07	65.55
182.17	46.21	46.39	54.82
3392.40	1102.16	1069.47	1041.00
209.26	96.28	87.51	69.48
361.17	213.35	158.28	121.03
1196.73	380.48	459.42	432.24
186.16	80.87	94.29	67.60
1940.80	999.72	772.10	714.75
843.05	242.61	280.04	335.62
5593.06	1789.94	2077.56	2312.69

1043.30	130.93	437.33	435.44
2341.44	753.26	1022.51	986.59
321.04	315.01	175.77	148.46
2606.78	727.07	996.24	1226.31
492.94	386.64	224.44	235.19
417.70	235.68	210.85	206.61
1998.03	93.96	776.35	991.70
3262.48	494.47	1397.33	1652.89
1456.66	1364.02	715.32	739.87
180.93	217.20	103.71	92.98
3637.87	2394.55	2072.27	2022.06
2413.86	13.86	617.50	1384.14
421.32	248.77	238.90	243.06
1230.39	827.97	719.15	712.32
1624.37	998.18	941.61	964.78
393.20	622.32	263.46	241.76
411.49	802.55	250.39	255.54
570.44	127.85	278.15	354.85
2825.62	3320.33	2089.95	1763.48
535.71	90.88	346.73	342.82
3591.69	661.60	2084.00	2331.01
427.71	626.17	275.45	279.22
647.89	1089.83	399.64	429.29
454.65	403.58	311.39	305.17
4627.87	5424.52	3096.29	3121.20
1019.27	301.15	481.13	696.01
9737.77	1786.86	5397.23	7108.59
428.85	2494.68	349.36	349.33
4925.76	3343.44	2234.90	4103.08
4976.04	3362.69	2281.29	4152.07
1937.69	1816.13	1839.79	1917.08
468.29	425.15	411.84	490.39
820.86	866.48	878.81	864.47
130.87	348.90	233.86	176.85
44.31	70.09	62.35	71.75
438.82	1930.89	695.63	604.75
21.71	3.85	2.46	0.44
11.52	6.16	0.95	0.57
25.59	34.66	2.01	1.44
50.24	20.03	7.79	3.71
282.66	1.54	33.75	34.23
135.07	13.86	32.54	16.84

35.05	39.28	12.37	4.45
37.39	6.16	7.79	4.84
29.68	20.80	22.30	4.32
393.82	8.47	48.14	62.72
48.25	3.85	18.42	7.94
70.75	6.16	18.00	11.78
231.27	12.32	51.81	40.74
130.83	13.86	34.25	23.99
89.08	29.27	30.88	17.27
189.24	47.75	56.25	37.24
136.97	34.66	44.11	28.22
191.78	28.50	59.89	45.49
226.25	57.77	61.61	54.73
1323.51	130.16	393.01	323.81
104.35	22.34	36.65	26.04
94.57	3.85	34.76	23.94
782.76	102.44	200.85	198.88
463.00	137.87	138.02	120.89
128.75	45.44	34.58	33.67
5916.48	4321.59	1831.32	1625.85
445.22	117.07	158.81	137.08
121.41	41.59	52.31	38.16
180.23	43.13	56.61	56.88
371.35	63.93	130.38	119.60
377.29	203.33	145.25	123.12
120.51	50.83	37.10	39.73
413.80	50.06	147.35	138.47
888.57	70.86	400.15	298.93
1174.89	627.71	480.93	405.21
1488.47	1806.12	600.74	519.58
122.10	34.66	44.47	43.05
91.27	43.13	46.01	32.40
141.92	168.67	83.82	50.81
309.72	511.41	107.32	112.17
315.65	74.71	129.76	115.67
74.96	94.73	44.15	27.83
1319.64	616.93	953.23	491.80
1786.96	701.65	661.44	666.73
485.83	351.21	236.35	181.92
91.30	3.85	42.63	34.59
14069.72	3576.04	7881.52	5360.10
973.42	405.90	383.07	374.98

229.06	83.95	86.69	89.36
725.50	150.96	288.60	283.24
349.76	127.08	172.71	137.65
380.16	64.70	150.19	149.73
1346.18	1069.04	715.87	532.52
186.12	59.31	66.14	73.97
323.18	47.75	141.81	131.41
328.85	103.21	171.42	136.04
225.37	174.84	85.82	93.77
132.10	114.76	68.83	54.99
705.24	574.57	361.28	298.35
318.03	533.75	171.53	134.93
464.59	43.90	209.85	197.61
119.36	36.97	51.13	50.85
514.17	174.07	236.34	219.56
155.47	97.82	27.38	66.48
497.77	281.89	248.48	212.88
616.60	697.80	289.18	267.37
328.55	96.28	169.17	142.53
317.38	355.83	147.82	137.78
97.22	69.32	45.71	42.74
244.66	103.21	131.19	107.63
125.63	20.80	69.52	55.31
411.70	110.14	152.42	182.17
208.16	121.69	108.09	92.24
456.39	843.37	252.50	202.28
243.23	65.47	126.00	108.12
2703.60	589.97	1453.37	1212.95
247.53	101.67	121.80	111.65
590.67	149.42	262.10	269.19
264.56	136.33	136.63	121.30
843.97	310.39	466.50	391.69
365.01	115.53	178.05	169.45
585.32	229.52	308.49	274.57
892.06	188.70	443.11	419.66
399.50	84.72	202.57	191.69
898.70	784.83	499.54	433.08
405.19	243.38	170.83	196.83
788.67	204.87	404.21	384.03
795.15	1803.04	452.00	394.72
327.84	107.83	164.10	162.86
525.21	388.18	280.55	261.78

923.56	386.64	467.29	463.28
459.31	512.95	283.48	231.72
1367.37	748.63	720.06	690.97
7382.67	1826.14	3608.21	3735.05
523.65	182.54	257.25	265.21
418.77	97.82	215.36	212.14
4395.93	1055.94	2603.73	2232.36
3531.23	1356.32	1826.74	1807.18
1599.32	305.77	963.00	820.13
588.30	128.62	288.57	301.86
1875.72	453.65	1048.81	965.22
377.32	147.11	205.31	195.83
668.33	167.90	345.94	347.03
1524.19	979.69	980.80	791.66
3610.10	2422.28	1952.74	1877.14
185.61	137.87	106.91	96.52
1680.92	893.43	924.53	874.60
902.48	922.70	457.15	474.18
670.17	269.57	340.76	352.66
198.86	73.94	130.74	105.11
484.49	229.52	267.72	256.54
259.43	154.04	153.30	137.96
5510.95	1416.40	2903.99	2940.08
730.47	1310.88	420.56	389.77
164.68	197.17	108.30	88.27
794.20	392.03	491.76	429.34
780.77	328.88	402.72	422.41
135.85	223.36	76.62	73.62
135.74	102.44	97.28	73.80
814.97	281.12	493.95	443.57
6304.48	1592.00	3935.31	3445.14
170.55	104.75	93.97	94.82
298.81	50.83	175.56	167.27
2911.45	770.20	1486.58	1634.31
139.48	197.17	79.17	78.38
593.38	683.94	377.39	337.76
1057.26	471.36	628.22	605.31
1237.87	728.61	762.62	713.00
741.05	734.77	529.30	426.87
1010.81	542.99	619.82	589.62
455.59	160.20	325.29	266.16
160.62	291.14	114.13	94.34

479.72	245.69	245.26	282.72
304.97	157.12	184.98	179.84
283.14	384.33	236.93	167.63
1097.24	1950.15	710.88	652.72
1065.00	532.21	705.96	634.73
1561.02	678.55	924.16	930.88
1322.86	847.99	836.94	791.09
288.45	245.69	199.01	172.75
956.07	653.13	863.47	577.15
5755.58	2764.25	3506.05	3478.36
649.26	251.86	380.10	392.91
2056.29	1350.16	1494.01	1251.36
501.40	1374.81	294.17	308.06
218.94	298.84	268.75	134.77
1757.49	1477.24	1175.52	1094.39
612.02	631.56	437.25	381.22
678.57	507.56	472.81	423.25
369.67	490.62	238.79	230.60
5982.77	5805.00	7166.86	3740.36
406.97	299.61	285.31	254.62
1088.54	767.89	830.93	686.20
458.29	780.21	305.61	291.27
215.93	374.32	149.15	137.43
192.44	348.90	141.93	122.57
503.55	284.97	307.70	322.35
1308.03	1055.94	917.75	840.10
3232.69	1130.65	2389.10	2079.71
2104.07	1801.50	1229.92	1355.05
457.74	1806.12	371.96	294.82
358.07	470.59	238.32	230.64
669.34	702.42	498.38	431.42
765.68	1191.50	531.19	495.66
387.43	160.20	259.56	250.96
734.02	268.80	467.48	475.96
1130.37	714.75	719.43	736.39
1221.11	2690.31	818.88	795.52
1143.79	1367.11	738.55	747.64
566.87	564.56	378.18	371.29
4595.37	443.64	3339.64	3025.23
235.55	319.63	187.59	156.36
6768.18	2611.75	4723.47	4522.98
2450.66	701.65	1854.35	1639.45

566.95	103.21	401.37	383.33
2881.94	734.77	1606.03	1949.99
8541.40	25074.63	6023.30	5810.36
8026.16	2252.84	5511.12	5493.22
406.92	637.73	307.36	279.31
2287.82	1004.34	1747.38	1571.30
360.08	361.99	258.25	248.71
335.13	348.90	273.94	231.61
8276.60	546.84	3798.98	5766.78
567.75	708.58	403.52	397.26
3004.24	2399.17	2345.15	2114.97
13805.86	13194.30	10830.03	9734.74
540.88	682.40	405.69	381.64
15853.36	6885.59	10692.98	11201.80
375.78	664.68	273.88	266.00
1575.09	7085.84	1342.87	1120.62
876.96	1450.29	604.19	624.59
5411.42	4239.18	3907.17	3894.68
1886.78	1827.68	1320.92	1358.22
22243.96	10865.21	11805.96	16123.83
607.97	496.01	430.38	442.66
672.33	850.30	511.98	491.94
5499.94	6827.82	4097.30	4027.42
264.26	915.00	233.40	194.56
796.54	1322.43	492.29	592.06
3351.56	2312.14	2488.49	2496.99
722.05	681.63	496.19	539.29
1007.25	1287.00	781.70	752.42
9537.13	12464.15	7534.54	7201.84
1233.13	1610.49	921.41	934.76
3603.97	5100.26	2908.08	2740.76
1255.61	1803.81	891.42	983.47
0.00	36.20	1.45	7.41
0.00	17.71	8.23	8.90
0.00	28.50	10.78	7.46
0.00	20.80	8.88	6.45
2595.82	2776.57	3036.40	3195.57
5080.68	1672.10	6029.01	6262.50
4813.67	298.07	5587.91	5991.36
20676.11	5632.47	23348.18	25910.79
2350.08	1608.95	3030.25	2971.74
1923.65	844.14	2293.23	2459.09

2600.00	4038.93	3145.58	3328.96
7630.73	3740.86	10403.33	9838.20
531.59	895.74	836.35	688.37
48610.11	5712.57	56931.69	63451.98
7169.72	7039.63	9473.07	9451.38
11298.81	955.82	14501.04	14952.53
1440.35	555.31	1727.60	1916.33
10724.67	37428.64	18819.08	14309.01
648.30	841.06	1103.20	865.09
3277.01	14689.26	3894.62	4394.76
1711.58	739.39	2286.71	2301.98
5733.69	8921.23	9140.77	7734.42
2123.65	1390.98	2963.15	2897.39
329.12	1226.16	492.22	449.97
776.94	1864.65	1270.78	1063.17
2881.62	2831.26	3967.43	3958.97
2010.36	1742.96	3014.69	2841.40
928.76	1436.42	1393.74	1330.33
2735.62	8161.04	4967.62	3959.61
419.31	955.82	598.48	607.09
1011.33	2462.33	1504.06	1465.07
174.92	294.22	198.47	253.89
385.70	1864.65	655.05	561.96
9816.37	10158.17	14482.65	14538.18
945.33	3276.43	1787.98	1406.30
401.15	851.07	664.76	610.88
4473.77	4788.33	6876.39	6816.36
11324.25	66.24	9117.39	17312.99
534.28	1134.50	805.21	817.54
441.35	5637.86	1183.22	681.32
997.41	284.97	1560.47	1540.16
10551.16	75747.63	20648.53	16339.19
3695.88	6299.47	8276.97	5753.17
1679.34	875.72	2928.22	2614.77
247.76	153.27	360.91	386.20
254.54	326.56	416.00	398.11
291.51	619.24	458.87	458.70
1293.76	3494.40	2271.63	2039.97
147.69	266.49	226.96	234.03
1418.28	9836.99	3263.59	2248.89
342.07	3331.89	813.24	546.56
157.25	468.28	306.74	251.27

559.51	1221.54	944.04	900.80
787.18	750.17	1267.13	1285.36
192.12	164.05	326.79	318.94
368.53	4168.32	904.72	621.76
98.77	114.76	108.71	167.23
222.52	694.72	430.66	377.08
15976.25	37341.61	31109.07	27261.30
881.36	4442.51	1739.34	1511.71
1507.61	1834.62	1290.68	2586.38
333.84	1541.17	576.30	582.61
325.00	640.04	537.05	571.46
223.37	1398.68	403.49	398.87
113.63	204.10	159.10	204.03
4336.73	45970.93	12686.39	7795.75
207.95	1306.26	369.27	373.84
737.44	2429.21	1330.81	1354.48
12695.44	21377.67	26186.97	23649.61
147.90	761.73	281.04	280.66
2681.66	5650.96	5021.24	5103.15
277.99	804.86	659.00	530.65
845.33	313.47	1495.89	1622.62
130.68	252.63	244.40	257.68
98.08	124.00	169.11	194.84
1269.05	2552.44	2202.88	2591.82
33.72	214.12	61.16	69.39
239.47	929.63	567.79	503.85
88.43	398.96	187.65	194.64
73.36	258.79	160.40	166.00
162.72	1579.68	561.02	369.19
561.01	1102.93	1393.07	1288.48
51.83	197.17	162.86	119.49
102.32	469.05	286.58	247.63
2449.10	9277.06	2177.75	6010.53
126.40	3401.20	374.53	335.84
69.88	391.26	202.90	188.49
47.08	395.88	138.19	132.75
17.59	318.09	58.53	53.51
24.25	274.96	107.38	86.93
7.75	75.48	41.95	30.87
10.99	134.79	63.56	46.10
9.00	170.21	58.98	53.25
10.02	92.42	71.06	61.23

10.45	171.75	91.71	74.36
7.36	83.95	54.09	55.78
10.02	227.21	98.97	76.62
11.75	240.30	103.12	92.20
2.22	22.34	26.47	23.81
1.73	63.16	15.72	19.36
3.32	97.05	37.60	37.68
9.09	563.79	178.10	128.90
1.73	111.68	42.45	31.92
0.58	6.93	10.83	12.30
5.19	652.36	150.36	134.18
0.58	37.74	17.05	16.49
3.46	562.25	129.66	108.06
161.51	117.07	142.85	113.09
698.39	2536.27	725.91	568.01
2126.55	6683.03	1298.06	1767.14
150.94	677.78	135.51	127.97
439.09	627.71	440.42	378.37
1014.27	598.45	858.04	904.44
777.65	173.30	629.56	759.47
1372.80	347.36	1671.45	1363.72
992.31	620.01	1035.22	994.21
791.33	284.20	814.21	793.57
74.08	271.88	101.66	77.03
4762.89	2151.94	4527.83	4982.51
3166.88	8606.22	3867.29	3328.42
1016.39	3426.62	1432.07	1103.97
2151.22	1704.45	2249.07	2386.71
1385.88	831.82	1685.88	1568.83
711.24	1203.05	735.41	806.80
583.34	707.81	627.12	662.29
384.79	191.78	444.55	440.49
1351.50	121.69	1662.35	1575.33
518.95	932.71	633.83	606.31
3635.01	1997.90	4422.34	4262.13
150.92	989.71	197.70	177.99
2484.06	2211.24	2915.12	2950.56
809.14	2171.96	1067.80	964.20
786.38	2005.60	1130.73	952.42
177.95	154.04	242.06	216.41
326.95	966.60	508.24	420.77
151.15	30.04	242.86	194.70

483.19	709.35	701.25	627.92
207.45	655.44	473.77	280.87
42.35	231.83	95.89	57.36
172.55	257.25	255.37	236.00
105.97	372.78	160.49	159.83
33.37	102.44	77.09	50.77
2.65	31.58	20.43	11.78
9129.06	16174.20	10521.43	11233.22
701.64	517.57	902.82	899.91
1572.70	1364.02	2420.52	2038.30
6256.79	31211.59	10258.88	8150.22
6206.57	31173.08	10215.33	8112.40
6798.08	8363.60	8820.88	8995.79
719.72	442.09	862.62	955.08
391.46	1834.62	599.03	520.70
473.73	227.98	645.79	632.07
633.92	869.56	896.47	850.16
1948.28	1826.91	2588.03	2614.12
1881.42	976.61	2642.72	2524.67
1708.69	4963.94	2664.13	2295.37
262.85	139.41	385.41	358.48
4788.98	2689.54	7550.80	6531.70
1593.61	2814.31	2156.59	2189.50
76904.86	88312.68	112012.92	106148.80
1330.70	1500.35	1757.25	1844.27
1705.52	5251.22	2409.10	2369.36
1502.54	5748.77	2145.47	2101.54
3704.62	7803.67	6496.18	5220.89
21411.73	35522.40	34801.52	30220.91
1453.13	2364.51	2151.29	2052.33
6192.70	2405.33	7745.24	8747.06
1270.99	1778.39	2088.05	1803.81
1540.54	580.73	2115.70	2186.99
62306.14	132640.77	101852.19	88492.82
289.80	935.79	528.88	412.24
1237.18	1198.43	1835.11	1770.38
688.51	1179.18	1033.00	998.68
3159.20	10251.36	5488.86	4584.54
1131.86	10066.51	2748.88	1642.99
624.94	2436.14	1015.33	907.97
418.07	92.42	636.63	607.91
1854.79	4302.34	2598.90	2716.19

325.09	757.88	432.45	478.72
1110.24	1759.91	1638.41	1645.25
904.84	2044.11	1436.17	1341.64
1951.28	7548.73	3716.75	2895.80
170991.53	297202.48	309575.21	254335.01
1310.01	6726.93	1933.24	1950.02
1225.28	2024.09	1771.58	1829.37
48192.81	111450.26	87355.49	71987.03
367.94	1303.95	663.17	550.12
12708.00	40323.05	22809.06	19012.08
5808.01	5999.86	9237.48	8731.63
207.60	349.67	314.95	313.83
1644.48	9753.04	3115.35	2492.32
6708.38	2882.09	10721.97	10170.75
79349.39	115985.19	133746.74	120375.32
1981.99	7844.49	3594.56	3017.24
137520.87	139775.90	224414.44	209798.19
1016.75	1734.49	1696.15	1551.30
652.28	970.45	1086.00	998.87
686.84	1557.34	1265.86	1053.58
934.44	560.71	1544.49	1437.43
174.63	777.90	297.10	268.86
764.44	5360.59	1538.43	1177.90
1485.63	3439.71	2275.77	2291.28
20286.60	58727.75	36190.37	31315.85
211.78	1538.86	338.87	327.52
504.43	743.24	1005.45	780.63
1890.88	2677.22	2694.00	2933.72
1161.36	636.19	1784.85	1805.59
507.73	908.07	851.30	796.45
767.62	1314.73	1205.15	1204.51
4593.76	7047.33	7640.73	7236.62
444.64	722.45	1026.13	702.03
888.27	597.68	1192.89	1406.08
707.35	938.87	1363.17	1119.98
741.86	673.93	1643.87	1178.05
1238.93	3579.12	2350.11	1968.68
3370.04	18886.07	5847.70	5361.40
2495.62	3230.99	4383.87	3991.62
15630.33	146862.51	45209.75	25059.90
483.70	4234.56	1020.35	776.87
133.76	412.06	201.89	215.63

345.25	1694.44	659.43	556.88
357.12	1345.54	832.40	576.60
783.24	2353.73	1448.08	1276.34
198.12	1136.05	378.86	323.84
871.50	3021.49	1030.52	1431.78
4578.80	5599.35	7550.18	7548.25
4770.38	7169.02	8476.16	7878.38
523.34	3083.88	1168.95	871.01
969.25	817.95	1836.28	1618.90
861.82	241.84	1906.38	1444.68
913.14	998.95	1445.18	1539.08
218.01	53.91	405.52	367.78
643.18	1375.58	1227.26	1086.47
429.27	1732.18	741.50	729.25
571.94	562.25	952.74	973.00
169.02	546.84	291.00	288.46
21480.23	20577.43	38439.88	36886.86
8991.48	39956.44	19330.57	15468.64
507.28	1271.60	1195.70	878.34
184.17	931.17	334.61	320.99
679.17	3891.05	1889.25	1184.28
268.23	3673.85	615.91	469.02
426.24	729.38	809.24	746.02
2457.26	3028.43	4562.96	4320.77
3393.10	19527.65	9467.46	5984.50
28897.36	71001.66	66314.26	51138.81
110.70	473.67	204.34	196.54
58.36	1016.66	174.00	104.10
391.78	1300.87	746.44	699.05
30508.93	77440.53	73571.67	54665.92
4898.32	33114.75	11048.63	8823.93
220.18	1712.15	454.81	403.44
2538.51	4474.86	4788.24	4669.26
409.79	2758.86	981.24	762.33
107.10	597.68	377.35	199.87
390.75	444.41	786.64	729.30
268.39	878.80	631.75	501.93
2262.30	12837.69	4124.59	4277.12
406.16	1125.26	903.82	769.11
346.43	5953.65	777.99	662.41
329.45	1070.58	632.82	631.76
1869.45	4454.84	3715.89	3588.99

123.69	546.84	274.63	242.80
858.03	1166.08	1880.46	1684.49
247.48	1979.41	564.90	485.86
203.57	264.18	344.23	401.22
854.14	2424.59	1826.31	1697.65
88.36	375.86	210.41	175.82
188.94	888.81	413.14	376.31
48.25	425.15	159.28	97.42
97.54	286.51	191.47	197.64
85.92	404.36	215.38	176.68
30.79	102.44	91.78	69.39
206.94	1199.20	549.28	474.50
549.79	2937.54	1164.47	1312.36
188.44	370.47	434.09	467.65
141.56	491.39	386.22	356.55
120.46	1196.89	353.43	314.91
18.83	540.68	78.52	49.80
25.52	368.16	92.52	71.79
296.15	3793.24	704.11	875.38
200.17	2943.70	1158.13	773.18
86.36	509.87	388.47	374.66
12.09	158.66	55.69	54.00
8.77	167.90	60.60	41.91
17.15	210.26	119.13	86.45
24.42	251.09	142.11	130.98
7.75	141.72	59.72	50.03
6.78	113.22	51.60	48.77
21.85	646.20	256.74	209.04
2.26	174.07	27.80	22.24
12.81	498.32	156.76	137.02
6.65	389.72	107.59	71.57
7.31	391.26	138.85	94.72
2.26	152.50	46.60	31.27
6.12	232.60	119.10	84.70
11.75	592.28	230.21	171.23
8.77	353.52	179.86	130.79
1.15	137.87	18.56	17.49
5.05	375.09	118.27	79.59
3.95	214.12	75.67	70.26
4.52	807.17	131.14	96.33
14.49	1337.84	533.19	325.09
14.49	1337.84	533.69	325.09

0.53

63.16

24.93

15.96

over expression levels in iSPCH vs. WT.