

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-54: Liste von Genen, deren Expression durch flg22-Behandlung nach 1 h in *A. thaliana* -Pflanzen induziert wird.

Microarray -Analyse mit Daten der *AtGenExpress* -Initiative.

Datensatz ID	AGI	Beschreibung	flg22
264362_AT	AT1G03290	expressed protein	2,154
264264_AT	AT1G09250	expressed protein	2,133
261143_AT	AT1G19770	purine permease-related	2,036
245760_S_AT	AT1G66920	serine/threonine protein kinase, putative	2,162
255880_AT	AT1G67060	expressed protein	2,026
260194_AT	AT1G67530	armadillo/beta-catenin repeat family protein / U-box domain-containing family protein	2,192
256303_AT	AT1G69550	disease resistance protein (TIR-NBS class), putative	2,25
260255_AT	AT1G74330	protein kinase, putative	2,204
260221_AT	AT1G74670	gibberellin-responsive protein, putative	2,019
262223_AT	AT1G74680	exostosin family protein	2,299
262678_AT	AT1G75810	expressed protein	2,022
259734_AT	AT1G77500	expressed protein	2,157
261901_AT	AT1G80920	DNAJ heat shock N-terminal domain-containing protein	2,156
265737_AT	AT2G01180	phosphatidic acid phosphatase family protein / PAP2 family protein	2,027
263854_AT	AT2G04430	MutT/nudix family protein	3,018
266428_AT	AT2G07180	protein kinase, putative	2,161
263757_AT	AT2G21430	cysteine proteinase A494, putative / thiol protease, putative	2,024
267132_AT	AT2G23420	nicotinate phosphoribosyltransferase family protein / NAPRTase family protein	2,072
266659_AT	AT2G25850	nucleotidyltransferase family protein	2,027
266835_AT	AT2G29990	pyridine nucleotide-disulphide oxidoreductase family protein	2,386
267412_AT	AT2G34940	vacuolar sorting receptor, putative	2,072
263928_AT	AT2G36330	integral membrane protein, putative	2,077
267165_AT	AT2G37710	lectin protein kinase, putative	2,155
267361_AT	AT2G39920	acid phosphatase class B family protein	2,403
265720_AT	AT2G40110	yippee family protein	3,244
267230_AT	AT2G44080	expressed protein	2,031
263776_S_AT	AT2G46440	cyclic nucleotide-regulated ion channel, putative (CNGC11)	2,086
259191_AT	AT3G01720	expressed protein	2,047
258856_AT	AT3G02040	glycerophosphoryl diester phosphodiesterase family protein	2,425

258868_AT	AT3G03110	exportin 1, putative	2,248
258566_AT	AT3G04110	glutamate receptor family protein (GLR1.1) (GLR1)	2,145
259325_AT	AT3G05320	expressed protein	2,031
258552_AT	AT3G07010	pectate lyase family protein	2,31
257216_AT	AT3G14990	4-methyl-5(b-hydroxyethyl)-thiazole monophosphate biosynthesis protein, putative	2,125
256972_AT	AT3G21140	expressed protein	2,084
257868_AT	AT3G25070	RPM1-interacting protein 4 (RIN4)	2,089
258075_AT	AT3G25900	homocysteine S-methyltransferase 1 (HMT-1)	2,372
257788_AT	AT3G27010	TCP family transcription factor, putative	2,273
257746_AT	AT3G29200	chorismate mutase, chloroplast (CM1)	2,159
252417_AT	AT3G47480	calcium-binding EF hand family protein	2,144
252310_AT	AT3G49350	RabGAP/TBC domain-containing protein	2,052
246305_AT	AT3G51890	expressed protein	2,175
256677_AT	AT3G52190	transducin family protein / WD-40 repeat family protein	2,141
251862_AT	AT3G54850	armadillo/beta-catenin repeat family protein / U-box domain-containing family protein	2,224
251797_AT	AT3G55560	DNA-binding protein-related	2,19
251471_AT	AT3G59570	RabGAP/TBC domain-containing protein	2,5
251475_AT	AT3G59660	C2 domain-containing protein / GRAM domain-containing protein	2,153
251191_AT	AT3G62590	lipase class 3 family protein	2,014
255667_AT	AT4G00240	phospholipase D beta 2 / PLD beta 2 (PLDBETA2) / PLDdelta1	2,152
255553_AT	AT4G01960	expressed protein	2,08
255306_AT	AT4G04740	calcium-dependent protein kinase, putative / CDPK, putative	2,064
245599_AT	AT4G14220	zinc finger (C3HC4-type RING finger) family protein	2,281
245566_AT	AT4G14610	pseudogene, disease resistance protein (CC-NBS-LRR class), putative	2,128
254255_AT	AT4G23220	protein kinase family protein	2,193
254247_AT	AT4G23260	protein kinase family protein	2,021
254050_S_AT	AT4G25670	expressed protein	2,315
253828_AT	AT4G27970	C4-dicarboxylate transporter/malic acid transport family protein	2,096
253431_AT	AT4G32440	agenet domain-containing protein	2,074
246238_AT	AT4G36670	mannitol transporter, putative	2,19
252958_AT	AT4G38620	myb family transcription factor (MYB4)	2,219
245156_AT	AT5G12480	calmodulin-domain protein kinase isoform 7 (CPK7)	2,173
246600_AT	AT5G14930	leaf senescence-associated protein (SAG101)	2,019
246858_AT	AT5G25930	leucine-rich repeat family protein / protein kinase family protein	2,013
249638_AT	AT5G36880	acetyl-CoA synthetase, putative / acetate-CoA ligase, putative	2,076
249626_AT	AT5G37540	aspartyl protease family protein	2,858

249359_AT	AT5G40470	expressed protein	2,015
249139_AT	AT5G43170	zinc finger (C2H2 type) protein 3 (AZF3)	2,26
249021_AT	AT5G44820	expressed protein	2,234
248895_AT	AT5G46330	leucine-rich repeat transmembrane protein kinase, putative	2,117
248689_AT	AT5G48150	phytochrome A signal transduction 1 (PAT1)	2,111
248698_AT	AT5G48380	leucine-rich repeat family protein / protein kinase family protein	2,204
248276_AT	AT5G53550	transporter, putative	2,357
248123_AT	AT5G54720	ankyrin repeat family protein	2,062
247922_AT	AT5G57500	expressed protein	2,239
247793_AT	AT5G58650	expressed protein	2,035
247545_AT	AT5G61530	small G protein family protein / RhoGAP family protein	2,118
247492_AT	AT5G61890	AP2 domain-containing transcription factor family protein	2,12
247509_AT	AT5G62020	heat shock factor protein, putative (HSF6) / heat shock transcription factor, putative (HTSF6)	2,09
247444_AT	AT5G62630	expressed protein	2,401
247125_AT	AT5G66070	zinc finger (C3HC4-type RING finger) family protein	2,125

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-55: Liste von Genen, deren Expression durch HrpZ_{PspH}-Behandlung nach 1 h in *A. thaliana* -Pflanzen induziert wird.

Microarray -Analyse mit Daten der *AtGenExpress* -Initiative.

Datensatz ID	AGI	Beschreibung	HrpZ _{PspH}
259445_AT	AT1G02400	gibberellin 2-oxidase, putative / GA2-oxidase, putative	2,169
265216_AT	AT1G05100	protein kinase family protein	2,082
262619_AT	AT1G06550	enoyl-CoA hydratase/isomerase family protein	2,115
264506_AT	AT1G09560	germin-like protein (GLP4) (GLP5)	2,361
261526_AT	AT1G14370	protein kinase (APK2a)	2,91
262571_AT	AT1G15430	expressed protein	2,117
259502_AT	AT1G15670	kelch repeat-containing F-box family protein	3,585
259540_AT	AT1G20640	RWP-RK domain-containing protein	2,194
260878_AT	AT1G21450	scarecrow-like transcription factor 1 (SCL1)	2,163
264774_AT	AT1G22890	expressed protein	2,207
261470_AT	AT1G28370	ERF domain protein 11 (ERF11)	2,02
261193_AT	AT1G32920	expressed protein	2,211
245832_AT	AT1G48850	chorismate synthase, putative / 5-enolpyruvylshikimate-3-phosphate phospholyase, putative	2,05
245866_S_AT	AT1G57990	purine permease-related	2,021
264879_AT	AT1G61260	expressed protein	2,368
264758_AT	AT1G61340	F-box family protein	2,095
259764_AT	AT1G64280	regulatory protein (NPR1)	2,121
245777_AT	AT1G73540	MutT/nudix family protein	2,601
259879_AT	AT1G76650	calcium-binding EF hand family protein	2,087
246389_AT	AT1G77380	amino acid carrier, putative / amino acid permease, putative	2,071
263126_AT	AT1G78460	SOUL heme-binding family protein	2,051
265478_AT	AT2G15890	expressed protein	3,217
263096_AT	AT2G16060	non-symbiotic hemoglobin 1 (HB1) (GLB1)	2,028
264617_AT	AT2G17660	nitrate-responsive NOI protein, putative	2,043
265387_AT	AT2G20670	expressed protein	2,435
265385_AT	AT2G20900	diacylglycerol kinase, putative	2,067
267293_AT	AT2G23810	senescence-associated family protein	2,065
245041_AT	AT2G26530	expressed protein	2,349

266834_S_AT	AT2G30020	protein phosphatase 2C, putative / PP2C, putative	2,15
266184_S_AT	AT2G38940	phosphate transporter (PT2)	2,129
266580_AT	AT2G46260	BTB/POZ domain-containing protein	2,068
258852_AT	AT3G06300	oxidoreductase, 2OG-Fe(II) oxygenase family protein	2,122
256442_AT	AT3G10930	expressed protein	2,898
258275_AT	AT3G15760	expressed protein	2,302
257074_AT	AT3G19660	expressed protein	2,153
252474_AT	AT3G46620	zinc finger (C3HC4-type RING finger) family protein	2,251
252338_AT	AT3G48890	cytochrome b5 domain-containing protein	2,125
252269_AT	AT3G49580	expressed protein	2,906
252214_AT	AT3G50260	AP2 domain-containing transcription factor, putative	2,073
252131_AT	AT3G50930	AAA-type ATPase family protein	2,344
251640_AT	AT3G57450	expressed protein	2,003
251259_AT	AT3G62260	protein phosphatase 2C, putative / PP2C, putative	2,109
251221_AT	AT3G62550	universal stress protein (USP) family protein	2,038
255549_AT	AT4G01950	phospholipid/glycerol acyltransferase family protein	2,323
245569_AT	AT4G14660	RNA polymerase Rpb7 N-terminal domain-containing protein	2,057
245533_AT	AT4G15130	cholinephosphate cytidyltransferase, putative / phosphorylcholine transferase, putative / CTP	2,143
253915_AT	AT4G27280	calcium-binding EF hand family protein	2,188
253643_AT	AT4G29780	expressed protein	2,109
253476_AT	AT4G32300	lectin protein kinase family protein	2,001
250934_AT	AT5G03030	DNAJ heat shock N-terminal domain-containing protein	2,201
250944_AT	AT5G03380	heavy-metal-associated domain-containing protein	2,175
250676_AT	AT5G06320	harpin-induced family protein / HIN1 family protein / harpin-responsive family protein / NDR1/HIN1-like protein 3	2,141
246146_AT	AT5G20050	protein kinase family protein	2,103
249889_AT	AT5G22540	expressed protein	2,101
249379_AT	AT5G40460	expressed protein	2,229
249346_AT	AT5G40780	lysine and histidine specific transporter, putative	2,024
249072_AT	AT5G44060	expressed protein	2,246
248980_AT	AT5G45090	lectin-related	2,106
248868_AT	AT5G46780	VQ motif-containing protein	2,138
247788_AT	AT5G58730	pfkB-type carbohydrate kinase family protein	2,109
247708_AT	AT5G59550	zinc finger (C3HC4-type RING finger) family protein	2,065
247655_AT	AT5G59820	zinc finger (C2H2 type) family protein (ZAT12)	2,3
247448_AT	AT5G62770	expressed protein	2,152

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-56: Liste von Genen, deren Expression durch NLP_{pp}-Behandlung nach 1 h in *A. thaliana* -Pflanzen induziert wird.

Microarray -Analyse mit Daten der *AtGenExpress* -Initiative.

Datensatz ID	AGI	Beschreibung	NLP _{pp}
261836_AT	AT1G16090	wall-associated kinase-related	4,481
261221_AT	AT1G19960	expressed protein	2,266
261021_AT	AT1G26380	FAD-binding domain-containing protein	43,59
263228_AT	AT1G30700	FAD-binding domain-containing protein	14,94
263153_S_AT	AT1G54010	myosinase-associated protein, putative	2,011
264886_AT	AT1G61120	terpene synthase/cyclase family protein	2,112
262324_AT	AT1G64170	cation/hydrogen exchanger, putative (CHX16)	2,077
245193_AT	AT1G67810	Fe-S metabolism associated domain-containing protein	13,16
263852_AT	AT2G04450	MutT/nudix family protein	2,264
265837_AT	AT2G14560	expressed protein	7,879
267436_AT	AT2G19190	light-responsive receptor protein kinase / senescence-responsive receptor-like serine/threonine kinase, putative (SIRK)	3,526
264083_AT	AT2G31230	ethylene-responsive factor, putative	2,074
263948_AT	AT2G35980	harpin-induced family protein (YLS9) / HIN1 family protein / harpin-responsive family protein	6,49
263378_AT	AT2G40180	protein phosphatase 2C, putative / PP2C, putative	11,78
259286_AT	AT3G11480	S-adenosyl-L-methionine	2,309
256933_AT	AT3G22600	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein	6,416
252415_AT	AT3G47340	asparagine synthetase 1 (glutamine-hydrolyzing) / glutamine-dependent asparagine synthetase 1 (ASN1)	2,728
252421_AT	AT3G47540	chitinase, putative	2,148
251826_AT	AT3G55110	ABC transporter family protein	2,806
251673_AT	AT3G57240	beta-1,3-glucanase (BG3)	2,234
251625_AT	AT3G57260	glycosyl hydrolase family 17 protein	2,337
255340_AT	AT4G04490	protein kinase family protein	4,553
255070_AT	AT4G09020	isoamylase, putative / starch debranching enzyme, putative	2,725
254996_AT	AT4G10390	protein kinase family protein	2,248
254919_AT	AT4G11360	zinc finger (C3HC4-type RING finger) family protein (RHA1b)	2,07
254468_AT	AT4G20460	NAD-dependent epimerase/dehydratase family protein	3,274
254289_AT	AT4G22980	expressed protein	3,796
254271_AT	AT4G23150	protein kinase family protein	5,749

254093_AT	AT4G25110	latex-abundant family protein (AMC2) / caspase family protein	3,441
253911_AT	AT4G27300	S-locus protein kinase, putative	2,173
253820_AT	AT4G28370	zinc finger (C3HC4-type RING finger) family protein	2,121
253161_AT	AT4G35770	senescence-associated protein (SEN1)	4,182
253103_AT	AT4G36110	auxin-responsive protein, putative	2,514
249252_AT	AT5G42010	WD-40 repeat family protein	4,831
248934_AT	AT5G46080	protein kinase family protein	6,102
248169_AT	AT5G54610	ankyrin repeat family protein	2,089
247740_AT	AT5G58940	protein kinase family protein	4,901
247602_AT	AT5G60900	lectin protein kinase family protein	2,042
247314_AT	AT5G64000	3'(2'),5'-bisphosphate nucleotidase, putative / inositol polyphosphate 1-phosphatase, putative	2,765
247208_AT	AT5G64870	expressed protein	2,08
247215_AT	AT5G64905	expressed protein	82,6
246988_AT	AT5G67340	armadillo/beta-catenin repeat family protein / U-box domain-containing protein	8,508
244991_S_AT	NDHB.1	NADH dehydrogenase ND2	2,199

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-57: Liste von Genen, deren Expression durch LPS-Behandlung nach 1 h in *A. thaliana* -Pflanzen induziert wird.

Microarray-Analyse mit Daten der *AtGenExpress* -Initiative.

Datensatz ID	AGI	Beschreibung	LPS
262113_AT	AT1G02820	late embryogenesis abundant 3 family protein / LEA3 family protein	3,253
260955_AT	AT1G06000	UDP-glucuronosyl/UDP-glucosyl transferase family protein	2,076
256057_AT	AT1G07180	pyridine nucleotide-disulphide oxidoreductase family protein	2,171
261758_AT	AT1G08250	prephenate dehydratase family protein	2,502
261016_AT	AT1G26560	glycosyl hydrolase family 1 protein	2,37
261191_AT	AT1G32900	starch synthase, putative	4,21
256529_AT	AT1G33260	protein kinase family protein	3,686
245799_AT	AT1G45616	leucine-rich repeat family protein	2,002
265058_S_AT	AT1G52040	jacalin lectin family protein	2,193
260203_AT	AT1G52890	no apical meristem (NAM) family protein	3,527
264217_AT	AT1G60190	armadillo/beta-catenin repeat family protein / U-box domain-containing protein	6,335
264270_AT	AT1G60260	pseudogene, glycosyl hydrolase family 1	2,211
264400_AT	AT1G61800	glucose-6-phosphate/phosphate translocator, putative	2,112
264745_AT	AT1G62180	5'-adenylylsulfate reductase 2, chloroplast (APR2) (APSR) / adenosine 5'-phosphosulfate 5'-adenylylsulfate (APS) sulfotransferase 2 / 3'-pl	2,102
259793_AT	AT1G64380	AP2 domain-containing transcription factor, putative	2,107
261958_AT	AT1G64500	glutaredoxin family protein	3,52
264636_AT	AT1G65490	expressed protein	2,601
259856_AT	AT1G68440	expressed protein	2,538
264692_AT	AT1G70000	DNA-binding family protein	2,041
260453_S_AT	AT1G72510	expressed protein	2,243
259885_AT	AT1G76380	DNA-binding bromodomain-containing protein	2,159
264100_AT	AT1G78970	lupeol synthase (LUP1) / 2,3-oxidosqualene-triterpenoid cyclase	2,526
264102_AT	AT1G79270	expressed protein	2,007
261881_AT	AT1G80760	major intrinsic family protein / MIP family protein	2,128
265740_AT	AT2G01150	zinc finger (C3HC4-type RING finger) family protein	2,35
265892_AT	AT2G15020	expressed protein	5,534
263073_AT	AT2G17500	auxin efflux carrier family protein	2,374
265305_AT	AT2G20340	tyrosine decarboxylase, putative	2,053
263433_AT	AT2G22240	inositol-3-phosphate synthase isozyme 2 / myo-inositol-1-phosphate synthase 2 / MI-1-P synthase 2 / IPS 2	3,271
265984_AT	AT2G24210	myrcene/ocimene synthase (TPS10)	4,424

263796_AT	AT2G24540	kelch repeat-containing F-box family protein	3,039
267612_AT	AT2G26690	nitrate transporter (NTP2)	2,214
255795_AT	AT2G33380	calcium-binding RD20 protein (RD20)	2,139
263918_AT	AT2G36590	proline transporter, putative	2,052
265203_AT	AT2G36630	expressed protein	2,036
266989_AT	AT2G39330	jacalin lectin family protein	2,959
267364_AT	AT2G40080	expressed protein	2,25
266821_AT	AT2G44840	ethylene-responsive element-binding protein, putative	2,366
266720_S_AT	AT2G46790	pseudo-response regulator 9 (APRR9) / timing of CAB expression 1-like protein (TL1)	2,076
266719_AT	AT2G46830	myb-related transcription factor (CCA1)	12,96
263320_AT	AT2G47180	galactinol synthase, putative	2,512
260528_AT	AT2G47260	WRKY family transcription factor	2,364
258792_AT	AT3G04640	glycine-rich protein	2,015
259354_AT	AT3G05220	heavy-metal-associated domain-containing protein	2,035
256266_AT	AT3G12320	expressed protein	3,945
257280_AT	AT3G14440	9-cis-epoxycarotenoid dioxygenase, putative / neoxanthin cleavage enzyme, putative / carotenoid cleavage dioxygenase, putative	2,247
257057_AT	AT3G15310	expressed protein	3,261
257875_AT	AT3G17120	expressed protein	2,46
258349_AT	AT3G17610	Expressed protein ; supported by full-length cDNA: Ceres: 35429.	2,478
257644_AT	AT3G25780	allene oxide cyclase, putative / early-responsive to dehydration protein, putative / ERD protein, putative	2,534
256603_AT	AT3G28270	expressed protein	2,876
252363_AT	AT3G48460	GDSL-motif lipase/hydrolase family protein	2,289
252123_AT	AT3G51240	naringenin 3-dioxygenase / flavanone 3-hydroxylase (F3H)	4,459
252011_AT	AT3G52720	carbonic anhydrase family protein	2,116
251869_AT	AT3G54500	expressed protein	2,798
251454_AT	AT3G60080	zinc finger (C3HC4-type RING finger) family protein	2,184
251272_AT	AT3G61890	homeobox-leucine zipper protein 12 (HB-12) / HD-ZIP transcription factor 12	2,323
255604_AT	AT4G01080	expressed protein	2,622
254915_S_AT	AT4G11310	cysteine proteinase, putative	2,01
254917_AT	AT4G11350	fringe-related protein	4,256
245253_AT	AT4G15440	hydroperoxide lyase (HPL1)	3,465
245247_AT	AT4G17230	scarecrow-like transcription factor 13 (SCL13)	2,02
254651_AT	AT4G18160	outward rectifying potassium channel, putative (KCO6)	2,124
254300_AT	AT4G22780	ACT domain-containing protein (ACR7)	2,92
254299_AT	AT4G22920	expressed protein	2,041
254161_AT	AT4G24370	expressed protein	2,206
254066_AT	AT4G25480	DRE-binding protein (DREB1A) / CRT/DRE-binding factor 3 (CBF3)	2,077

254016_AT	AT4G26150	zinc finger (GATA type) family protein	3,793
253859_AT	AT4G27657	expressed protein	2,133
253629_AT	AT4G30450	glycine-rich protein	2,273
253496_AT	AT4G31870	glutathione peroxidase, putative	3,09
253172_AT	AT4G35060	heavy-metal-associated domain-containing protein / copper chaperone (CCH)-related	2,495
246247_AT	AT4G36640	SEC14 cytosolic factor family protein / phosphoglyceride transfer family protein	2,16
252863_AT	AT4G39800	inositol-3-phosphate synthase isozyme 1 / myo-inositol-1-phosphate synthase 1 / MI-1-P synthase 1 / IPS 1	2,029
250857_AT	AT5G04790	hypothetical protein	2,343
246523_AT	AT5G15850	zinc finger protein CONSTANS-LIKE 1 (COL1)	2,501
249867_AT	AT5G23020	2-isopropylmalate synthase 2 (IMS2)	2,116
249798_AT	AT5G23730	transducin family protein / WD-40 repeat family protein	2,313
249769_AT	AT5G24120	RNA polymerase sigma subunit SigE (sigE) / sigma-like factor (SIG5)	3,737
246949_AT	AT5G25140	cytochrome P450 family protein	4,791
249167_AT	AT5G42860	expressed protein	2,084
249011_AT	AT5G44670	expressed protein	2,608
248353_AT	AT5G52320	cytochrome P450, putative	2,201
248311_AT	AT5G52570	beta-carotene hydroxylase, putative	3,261
248191_AT	AT5G54130	calcium-binding EF hand family protein	8,975
248205_AT	AT5G54300	expressed protein	2,01
247696_AT	AT5G59780	myb family transcription factor (MYB59)	2,466
247193_AT	AT5G65380	ripening-responsive protein, putative	2,155
247040_AT	AT5G67150	transferase family protein	2,045
244972_AT	PSBB	PSII 47KDa protein	2,731
245002_AT	PSBD	PSII D2 protein	2,36

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-58: Liste von Genen, deren Expression durch flg22- und HrpZ_{PspH}-Behandlung nach 1 h in *A. thaliana* -Pflanzen induziert wird.

Microarray -Analyse mit Daten der *AtGenExpress* -Initiative.

Datensatz ID	AGI	Beschreibung	flg22	HrpZ _{PspH}
262131_AT	AT1G02900	rapid alkalization factor (RALF) family protein	3,465	3,978
264351_AT	AT1G03370	C2 domain-containing protein / GRAM domain-containing protein	2,434	2,425
264841_AT	AT1G03740	protein kinase family protein	2,378	2,609
264580_AT	AT1G05340	expressed protein	2,435	2,499
263202_AT	AT1G05630	endonuclease/exonuclease/phosphatase family protein	2,715	2,729
263179_AT	AT1G05710	ethylene-responsive protein, putative	2,12	2,563
256046_AT	AT1G07135	glycine-rich protein	2,244	2,443
261413_AT	AT1G07630	protein phosphatase 2C family protein / PP2C family protein	2,416	2,528
261756_AT	AT1G08320	bZIP family transcription factor	2,713	2,32
264645_AT	AT1G08940	phosphoglycerate/bisphosphoglycerate mutase family protein	2,864	3,071
264512_AT	AT1G09575	expressed protein	2,37	2,284
264669_AT	AT1G09630	Ras-related GTP-binding protein, putative	2,067	2,025
264434_AT	AT1G10340	ankyrin repeat family protein	3,757	3,474
259500_AT	AT1G15740	leucine-rich repeat family protein	2,027	2,004
257478_AT	AT1G16130	wall-associated kinase, putative	2,639	2,374
260735_AT	AT1G17610	disease resistance protein-related	2,216	2,121
256013_AT	AT1G19270	ubiquitin interaction motif-containing protein / LIM domain-containing protein	2,789	2,844
262801_AT	AT1G21010	expressed protein	2,162	2,982
262503_AT	AT1G21670	expressed protein	2,884	2,338
255967_AT	AT1G22280	protein phosphatase 2C, putative / PP2C, putative	2,524	2,098
261934_AT	AT1G22400	UDP-glucuronosyl/UDP-glucosyl transferase family protein	2,346	2,072
264202_AT	AT1G22810	AP2 domain-containing transcription factor, putative	2,447	2,294
262986_AT	AT1G23390	kelch repeat-containing F-box family protein	2,414	2,539
257401_AT	AT1G23550	expressed protein	2,655	3,243
255740_AT	AT1G25390	protein kinase family protein	3,569	2,985
255733_AT	AT1G25400	expressed protein	2,201	2,406
255734_AT	AT1G25550	myb family transcription factor	2,051	2,335
261269_AT	AT1G26690	emp24/gp25L/p24 family protein	2,033	2,152

245662_AT	AT1G28190	expressed protein	2,686	3,37
261501_AT	AT1G28390	protein kinase family protein	2,066	2,211
260026_AT	AT1G29970	expressed protein	2,105	2,128
263216_S_AT	AT1G30720	FAD-binding domain-containing protein	4,503	4,142
262408_AT	AT1G34750	protein phosphatase 2C, putative / PP2C, putative	2,843	2,231
256177_AT	AT1G51620	protein kinase family protein	2,986	2,27
256170_AT	AT1G51790	leucine-rich repeat protein kinase, putative	3,527	2,814
259841_AT	AT1G52200	expressed protein	4,764	3,78
246405_AT	AT1G57630	disease resistance protein (TIR class), putative	2,948	3,158
262901_AT	AT1G59910	formin homology 2 domain-containing protein / FH2 domain-containing protein	2,227	2,605
264766_AT	AT1G61420	S-locus lectin protein kinase family protein	2,441	2,006
264685_AT	AT1G65610	endo-1,4-beta-glucanase, putative / cellulase, putative	3,266	3,331
262926_S_AT	AT1G65790	S-receptor protein kinase, putative	2,204	2,205
256522_AT	AT1G66160	U-box domain-containing protein	2,189	2,141
264232_AT	AT1G67470	protein kinase family protein	2,389	2,078
262228_AT	AT1G68690	pseudogene, protein kinase family	3,281	4,641
260037_AT	AT1G68840	DNA-binding protein RAV2 (RAV2) / AP2 domain-containing protein RAP2.8	2,64	2,642
261506_AT	AT1G71697	choline kinase, putative	2,379	2,447
259852_AT	AT1G72280	endoplasmic reticulum oxidoreductin 1 (ERO1) family protein	2,841	2,785
260386_AT	AT1G74010	strictosidine synthase family protein	2,661	2,735
260391_AT	AT1G74020	strictosidine synthase family protein	2,232	2,478
262220_AT	AT1G74740	calcium-dependent protein kinase, putative / CDPK, putative	3,115	2,851
262671_AT	AT1G76040	calcium-dependent protein kinase, putative / CDPK, putative	2,362	2,207
261748_AT	AT1G76070	expressed protein	2,772	3,307
261754_AT	AT1G76130	alpha-amylase, putative / 1,4-alpha-D-glucan glucanohydrolase, putative	2,005	2,121
259976_AT	AT1G76560	CP12 domain-containing protein	2,416	2,714
259979_AT	AT1G76600	expressed protein	2,381	2,932
264279_S_AT	AT1G78820	curculin-like (mannose-binding) lectin family protein / PAN domain-containing protein	2,068	2,228
264299_S_AT	AT1G78860	curculin-like (mannose-binding) lectin family protein	2,102	2,022
264304_AT	AT1G78895	expressed protein	2,074	2,114
260274_AT	AT1G80460	glycerol kinase, putative	2,711	2,384
266150_S_AT	AT2G12290	hypothetical protein	3,582	3,376
264588_AT	AT2G17730	zinc finger (C3HC4-type RING finger) family protein	2,811	2,627
266017_AT	AT2G18690	expressed protein	2,42	2,332
265583_AT	AT2G20010	expressed protein	2,146	2,283
264005_AT	AT2G22470	arabinogalactan-protein (AGP2)	2,045	2,171

245076_AT	AT2G23170	auxin-responsive GH3 family protein	2,063	3,169
267289_AT	AT2G23770	protein kinase family protein / peptidoglycan-binding LysM domain-containing protein	3,599	3,739
263539_AT	AT2G24850	aminotransferase, putative	2,094	2,074
266247_AT	AT2G27660	DC1 domain-containing protein	3,842	3,162
266643_S_AT	AT2G29730	UDP-glucuronosyl/UDP-glucosyl transferase family protein	2,367	2,094
267300_AT	AT2G30140	UDP-glucuronosyl/UDP-glucosyl transferase family protein	2,555	2,049
267470_AT	AT2G30490	trans-cinnamate 4-monooxygenase / cinnamic acid 4-hydroxylase (C4H) (CA4H) / cytochrome P450 73 (CYP73) (CYP	2,417	2,344
265674_AT	AT2G32190	expressed protein	2,797	4,571
267550_AT	AT2G32800	protein kinase family protein	2,04	2,008
263845_AT	AT2G37040	phenylalanine ammonia-lyase 1 (PAL1)	2,135	2,107
266168_AT	AT2G38870	protease inhibitor, putative	2,193	2,245
267624_AT	AT2G39660	protein kinase, putative	2,465	2,361
267357_AT	AT2G40000	expressed protein	2,223	2,276
245101_AT	AT2G40890	cytochrome P450 98A3, putative (CYP98A3)	2,167	2,01
245119_AT	AT2G41640	expressed protein	2,122	2,983
267537_AT	AT2G41880	guanylate kinase 1 (GK-1)	2,001	2,117
265853_AT	AT2G42360	zinc finger (C3HC4-type RING finger) family protein	3,034	2,757
260556_AT	AT2G43620	chitinase, putative	4,651	4,557
267392_AT	AT2G44490	glycosyl hydrolase family 1 protein	2,232	2,24
259178_AT	AT3G01650	copine-related	2,316	2,543
259076_AT	AT3G02140	expressed protein	2,37	2,18
256328_AT	AT3G02360	6-phosphogluconate dehydrogenase family protein	2,178	2,336
259312_AT	AT3G05200	zinc finger (C3HC4-type RING finger) family protein (ATL6)	2,561	2,174
258557_AT	AT3G05990	leucine-rich repeat family protein	2,035	2,268
258824_AT	AT3G07190	expressed protein	2,184	2,02
259015_AT	AT3G07350	expressed protein	2,982	3,701
259250_AT	AT3G07580	expressed protein	2,01	2,067
258682_AT	AT3G08720	serine/threonine protein kinase (PK19)	2,069	2,151
257535_AT	AT3G09490	chloroplast lumen common family protein	2,687	2,665
258915_AT	AT3G10640	SNF7 family protein	2,345	2,246
258786_AT	AT3G11820	syntaxin 121 (SYP121) / syntaxin-related protein (SYR1)	2,165	2,024
257700_AT	AT3G12740	LEM3 (ligand-effect modulator 3) family protein / CDC50 family protein	2,195	2,076
257861_AT	AT3G13050	transporter-related	2,014	2,275
256958_AT	AT3G13430	zinc finger (C3HC4-type RING finger) family protein	2,531	2,417
258203_AT	AT3G13950	expressed protein	2,712	2,486
258207_AT	AT3G14050	RelA/SpoT protein, putative (RSH2)	2,335	2,723

258402_AT	AT3G15450	expressed protein	2,882	2,961
258225_AT	AT3G15630	expressed protein	3,444	3,979
257206_AT	AT3G16530	legume lectin family protein	3,345	3,662
258463_AT	AT3G17410	serine/threonine protein kinase, putative	2,644	2,453
257038_AT	AT3G19260	longevity-assurance (LAG1) family protein	2,592	2,367
257088_AT	AT3G20510	expressed protein	2,493	2,357
256793_AT	AT3G22160	VQ motif-containing protein	2,635	2,8
258100_AT	AT3G23550	MATE efflux family protein	2,559	2,541
256755_AT	AT3G25600	calmodulin, putative	2,273	2,353
258084_AT	AT3G26020	serine/threonine protein phosphatase 2A (PP2A) regulatory subunit B', putative	2,284	2,241
257623_AT	AT3G26210	cytochrome P450 71B23, putative (CYP71B23)	4,004	2,419
257828_AT	AT3G26670	expressed protein	2,094	2,054
256735_AT	AT3G29400	exocyst subunit EXO70 family protein	2,261	2,018
252684_AT	AT3G44400	disease resistance protein (TIR-NBS-LRR class), putative	2,059	2,131
252652_AT	AT3G44720	prephenate dehydratase family protein	2,643	2,87
252604_AT	AT3G45060	high-affinity nitrate transporter, putative	3,084	2,584
252511_AT	AT3G46280	protein kinase-related	6,289	4,836
252484_AT	AT3G46690	UDP-glucuronosyl/UDP-glucosyl transferase family protein	2,436	3,498
252470_AT	AT3G46930	protein kinase family protein	2,091	2,389
252437_AT	AT3G47380	invertase/pectin methylesterase inhibitor family protein	2,811	3,142
252422_AT	AT3G47550	zinc finger (C3HC4-type RING finger) family protein	2,29	2,375
252345_AT	AT3G48640	expressed protein	3,541	3,283
252234_AT	AT3G49780	phytosulfokines 3 (PSK3)	2,411	2,672
252170_AT	AT3G50480	broad-spectrum mildew resistance RPW8 family protein	2,734	2,297
252133_AT	AT3G50900	expressed protein	2,018	2,443
252068_AT	AT3G51440	strictosidine synthase family protein	3,26	2,902
251973_AT	AT3G53180	glutamine synthetase, putative	2,255	2,192
251895_AT	AT3G54420	class IV chitinase (CHIV)	2,016	2,108
251789_AT	AT3G55450	protein kinase, putative	19,42	16,88
251774_AT	AT3G55840	expressed protein	2,074	2,314
251745_AT	AT3G55980	zinc finger (CCCH-type) family protein	2,182	2,616
251684_AT	AT3G56410	expressed protein	2,566	2,629
251634_AT	AT3G57480	zinc finger (C2H2 type, AN1-like) family protein	3,344	2,943
251636_AT	AT3G57530	calcium-dependent protein kinase, putative / CDPK, putative	2,136	2,444
251507_AT	AT3G59080	aspartyl protease family protein	2,128	2,136
251436_AT	AT3G59900	expressed protein	2,328	2,034

251342_AT	AT3G60690	auxin-responsive family protein	2,401	2,58
251248_AT	AT3G62150	multidrug resistant (MDR) ABC transporter, putative	2,662	2,079
251200_AT	AT3G63010	expressed protein	2,081	2,165
251176_AT	AT3G63380	calcium-transporting ATPase, plasma membrane-type, putative / Ca(2+)-ATPase, putative (ACA12)	2,604	2,277
255568_AT	AT4G01250	WRKY family transcription factor	2,466	2,325
255596_AT	AT4G01720	WRKY family transcription factor	2,606	2,121
255543_AT	AT4G01870	tolB protein-related	2,374	2,17
255406_AT	AT4G03450	ankyrin repeat family protein	2,891	2,79
255381_AT	AT4G03510	zinc finger (C3HC4-type RING finger) family protein (RMA1)	3,621	3,681
255116_AT	AT4G08850	leucine-rich repeat family protein / protein kinase family protein	2,131	2,051
254924_AT	AT4G11330	mitogen-activated protein kinase, putative / MAPK, putative (MPK5)	2,216	2,313
254857_AT	AT4G12120	cytokinesis-related Sec1 protein, putative	2,63	2,786
254723_AT	AT4G13510	ammonium transporter 1, member 1 (AMT1.1)	2,634	2,139
245329_AT	AT4G14365	zinc finger (C3HC4-type RING finger) family protein / ankyrin repeat family protein	2,319	2,068
245266_AT	AT4G17070	expressed protein	3,028	2,935
245252_AT	AT4G17500	ethylene-responsive element-binding protein 1 (ERF1) / EREBP-2 protein	2,276	2,403
254447_AT	AT4G20860	FAD-binding domain-containing protein	2,749	2,416
254453_AT	AT4G21120	amino acid permease family protein	8,362	9,134
254416_AT	AT4G21380	S-locus protein kinase, putative (ARK3)	3,147	2,664
254409_AT	AT4G21400	protein kinase family protein	2,123	2,17
254410_AT	AT4G21410	protein kinase family protein	2,167	2,132
254318_AT	AT4G22530	embryo-abundant protein-related	4,299	3,53
254243_AT	AT4G23210	protein kinase family protein	3,95	4,402
254248_AT	AT4G23270	protein kinase family protein	2,62	2,376
254253_AT	AT4G23320	protein kinase family protein	3,644	2,803
254231_AT	AT4G23810	WRKY family transcription factor	2,953	2,59
254197_AT	AT4G24040	glycosyl hydrolase family protein 37 / trehalase, putative	2,683	2,888
254159_AT	AT4G24240	WRKY family transcription factor	3,601	2,827
254167_AT	AT4G24400	CBL-interacting protein kinase 8 (CIPK8)	2,248	2,074
254120_AT	AT4G24570	mitochondrial substrate carrier family protein	2,472	2,719
254103_AT	AT4G25030	expressed protein	2,133	2,267
254091_AT	AT4G25060	hypothetical protein	2,618	2,196
254042_AT	AT4G25810	xyloglucan	2,343	2,301
253898_S_AT	AT4G27070	tryptophan synthase, beta subunit 2 (TSB2)	2,067	2,156
253608_AT	AT4G30290	xyloglucan	2,422	2,333
253535_AT	AT4G31550	WRKY family transcription factor	2,89	3,16

253401_AT	AT4G32870	expressed protein	4,66	3,678
253338_AT	AT4G33430	brassinosteroid insensitive 1-associated receptor kinase 1 (BAK1) / somatic embryogenesis receptor-like kinase 3 (SERI)	2,254	2,069
253181_AT	AT4G35180	amino acid transporter family protein	4,07	2,764
253147_AT	AT4G35600	protein kinase family protein	2,221	2,198
246233_AT	AT4G36550	U-box domain-containing protein	2,161	2,126
246253_AT	AT4G37260	myb family transcription factor (MYB73)	2,305	2,462
253066_AT	AT4G37770	1-aminocyclopropane-1-carboxylate synthase, putative / ACC synthase, putative	2,009	2,013
252984_AT	AT4G37990	mannitol dehydrogenase, putative (ELI3-2)	2,417	2,316
252976_S_AT	AT4G38550	expressed protein	2,81	2,68
252977_AT	AT4G38560	expressed protein	4,736	3,883
252906_AT	AT4G39640	gamma-glutamyltranspeptidase family protein	2,362	2,307
251054_AT	AT5G01540	lectin protein kinase, putative	3,696	3,17
251096_AT	AT5G01550	lectin protein kinase, putative	2,01	2,894
250990_AT	AT5G02290	protein kinase, putative	2,329	2,177
250941_AT	AT5G03320	protein kinase, putative	2,464	2,255
250909_AT	AT5G03700	PAN domain-containing protein	3,211	2,762
250823_AT	AT5G05180	expressed protein	4,128	2,951
250821_AT	AT5G05190	expressed protein	3,486	3,116
250692_AT	AT5G06560	expressed protein	2,432	2,584
250680_AT	AT5G06570	expressed protein	2,925	2,717
245879_AT	AT5G09420	chloroplast outer membrane translocon subunit, putative	2,41	2,627
250448_AT	AT5G10820	integral membrane transporter family protein	3,954	3,425
245181_AT	AT5G12420	expressed protein	4,363	2,654
245854_AT	AT5G13490	ADP, ATP carrier protein 2, mitochondrial / ADP/ATP translocase 2 / adenine nucleotide translocator 2 (ANT2)	2,831	2,689
250060_AT	AT5G17690	like heterochromatin protein (LHP1)	2,177	2,393
249987_AT	AT5G18490	expressed protein	2,344	2,265
249999_AT	AT5G18640	lipase class 3 family protein	2,387	2,636
246114_AT	AT5G20250	raffinose synthase family protein / seed imbibition protein, putative (din10)	2,09	2,333
249941_AT	AT5G22270	expressed protein	2,195	2,407
249835_S_AT	AT5G23510	expressed protein	2,22	2,17
249779_AT	AT5G24230	expressed protein	3,884	3,022
249730_AT	AT5G24430	calcium-dependent protein kinase, putative / CDPK, putative	2,118	2,242
245929_AT	AT5G24760	alcohol dehydrogenase, putative	2,84	2,571
246945_S_AT	AT5G25040	integral membrane transporter family protein	2,338	2,041
246831_AT	AT5G26340	hexose transporter, putative	3,473	2,52
246744_AT	AT5G27760	hypoxia-responsive family protein	2,269	2,174

246607_AT	AT5G35370	lectin protein kinase family protein	2,224	2,154
249581_AT	AT5G37600	glutamine synthetase, putative	4,486	3,458
249459_AT	AT5G39580	peroxidase, putative	10,29	9,317
249393_AT	AT5G40170	disease resistance family protein	2,21	2,092
249337_AT	AT5G41080	glycerophosphoryl diester phosphodiesterase family protein	5,136	6,105
249264_S_AT	AT5G41740	disease resistance protein (TIR-NBS-LRR class), putative	2,312	2,39
249044_AT	AT5G44370	transporter-related	2,674	2,367
254521_AT	AT5G44810	putative protein similar to unknown protein (gb AAC79139.1)	2,436	2,119
248971_AT	AT5G45000	Toll-Interleukin-Resistance (TIR) domain-containing protein	7,172	6,49
248981_AT	AT5G45110	ankyrin repeat family protein / BTB/POZ domain-containing protein	2,601	2,879
248901_AT	AT5G46410	NLI interacting factor (NIF) family protein	2,127	2,001
248814_AT	AT5G46910	transcription factor jumonji (jmj) family protein	2,439	2,991
248706_AT	AT5G48530	expressed protein	2,895	2,892
248686_AT	AT5G48540	33 kDa secretory protein-related	2,759	2,255
248606_AT	AT5G49450	bZIP family transcription factor	2,787	3,496
248551_AT	AT5G50200	expressed protein	4,55	3,844
248487_AT	AT5G51070	ATP-dependent Clp protease ATP-binding subunit (ClpD), (ERD1)	2,24	2,282
248463_AT	AT5G51130	expressed protein	2,148	2,735
248162_AT	AT5G54500	quinone reductase, putative	2,652	2,646
248176_AT	AT5G54650	formin homology 2 domain-containing protein / FH2 domain-containing protein	2,404	2,562
248129_AT	AT5G54780	RabGAP/TBC domain-containing protein	2,543	2,847
248148_AT	AT5G54930	AT hook motif-containing protein	2,042	2,25
248106_AT	AT5G55100	SWAP (Suppressor-of-White-APricot)/surp domain-containing protein	2,188	2,36
247912_AT	AT5G57480	AAA-type ATPase family protein	2,502	2,11
247867_AT	AT5G57630	CBL-interacting protein kinase 21, putative (CIPK21)	3,349	3,488
247617_AT	AT5G60270	lectin protein kinase family protein	2,948	2,621
247585_AT	AT5G60680	expressed protein	2,131	2,649
247611_AT	AT5G60710	zinc finger (C3HC4-type RING finger) family protein	2,183	2,084
247571_AT	AT5G61210	SNAP25 homologous protein SNAP33 (SNAP33) (SNAP33B) / synaptosomal-associated protein SNAP25-like 1 / snap	2,092	2,238
247532_AT	AT5G61560	protein kinase family protein	2,48	2,154
247431_AT	AT5G62520	expressed protein	2,032	2,376
247394_AT	AT5G62860	F-box family protein-related	2,114	2,232
247327_AT	AT5G64120	peroxidase, putative	4,274	3,477
247072_AT	AT5G66490	expressed protein	2,385	2,42
246989_AT	AT5G67350	expressed protein	2,257	2,323

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-59: Liste von Genen, deren Expression durch flg22- und NLP_{pp}-Behandlung nach 1 h in *A. thaliana*-Pflanzen induziert wird.
Microarray-Analyse mit Daten der *AtGenExpress*-Initiative.

Datensatz ID	AGI	Beschreibung	flg22	NLP_{pp}
260345_AT	AT1G69270	leucine-rich repeat family protein / protein kinase family protein	2,715	2,715
260276_AT	AT1G80450	VQ motif-containing protein	2,431	2,431
256981_AT	AT3G13380	leucine-rich repeat family protein / protein kinase family protein	2,638	2,277
252515_AT	AT3G46230	17.4 kDa class I heat shock protein (HSP17.4-CI)	2,323	2,323

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-60: Liste von Genen, deren Expression durch HrpZ_{P_{sph}}- und NLP_{Pp}-Behandlung nach 1 h in *A. thaliana* -Pflanzen induziert wird.
Microarray-Analyse mit Daten der *AtGenExpress* -Initiative.

Datensatz ID	AGI	Beschreibung	HrpZ _{P_{sph}}	NLP _{Pp}
259410_AT	AT1G13340	expressed protein	3,053	2,889
261443_AT	AT1G28480	glutaredoxin family protein	2,527	2,043
256183_AT	AT1G51660	mitogen-activated protein kinase kinase (MAPKK), putative (MKK4)	2,049	2,018
262381_AT	AT1G72900	disease resistance protein (TIR-NBS class), putative	2,088	2,962
262382_AT	AT1G72920	disease resistance protein (TIR-NBS class), putative	2,712	2,553
266182_AT	AT2G02370	expressed protein	2,132	2,821
265723_AT	AT2G32140	disease resistance protein (TIR class), putative	2,22	2,054
266396_AT	AT2G38790	expressed protein	2,239	2,727
258577_AT	AT3G04220	disease resistance protein (TIR-NBS-LRR class), putative	2,282	4,05
257022_AT	AT3G19580	zinc finger (C2H2 type) protein 2 (AZF2)	3,39	3,753
257840_AT	AT3G25250	protein kinase family protein	2,027	2,397
252291_S_AT	AT3G49120	peroxidase, putative	2,006	2,094
249910_AT	AT5G22630	prephenate dehydratase family protein	2,152	2,196
248358_AT	AT5G52400	cytochrome P450 family protein	2,204	3,679
247945_AT	AT5G57150	basic helix-loop-helix (bHLH) family protein	2,125	2,139
247723_AT	AT5G59220	protein phosphatase 2C, putative / PP2C, putative	2,67	2,086
247137_AT	AT5G66210	calcium-dependent protein kinase family protein / CDPK family protein	2,123	2,013

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-61: Liste von Genen, deren Expression durch HrpZ_{PspH}- und LPS-Behandlung nach 1 h in *A. thaliana*-Pflanzen induziert wird.
Microarray-Analyse mit Daten der *AtGenExpress*-Initiative.

Datensatz ID	AGI	Beschreibung	HrpZ_{PspH}	LPS
256891_AT	AT3G19030	expressed protein	2,574	2,738
253292_AT	AT4G33985	expressed protein	2,101	2,205
249719_AT	AT5G35735	auxin-responsive family protein	2,107	2,278

Tabelle 7-62: Liste von Genen, deren Expression durch flg22-, HrpZ_{PspH}- und NLP_{Pp}-Behandlung nach 1 h in *A. thaliana* -Pflanzen induziert wird.

Microarray -Analyse mit Daten der *AtGenExpress* -Initiative.

Datensatz ID	AGI	Beschreibung	flg22	HrpZ _{PspH}	NLP _{Pp}
261027_AT	AT1G01340	cyclic nucleotide-regulated ion channel (CNGC10) (ACBK1)	2,946	3,023	2,284
259439_AT	AT1G01480	1-aminocyclopropane-1-carboxylate synthase 2 / ACC synthase 2 (ACS2) (ACC1)	4,482	5,062	2,803
259428_AT	AT1G01560	mitogen-activated protein kinase, putative / MAPK, putative (MPK11)	5,604	5,632	3,859
259443_AT	AT1G02360	chitinase, putative	22,96	20,06	11,63
264365_S_AT	AT1G03220	extracellular dermal glycoprotein, putative / EDGP, putative	4,268	4,915	3,29
265067_AT	AT1G03850	glutaredoxin family protein	4,476	4,579	7,072
264328_AT	AT1G04100	auxin-responsive protein / indoleacetic acid-induced protein 10 (IAA10)	2,942	2,278	2,834
263182_AT	AT1G05575	expressed protein	3,782	6,9	6,11
256050_AT	AT1G07000	exocyst subunit EXO70 family protein	3,15	3,355	2,41
260648_AT	AT1G08050	zinc finger (C3HC4-type RING finger) family protein	5,365	5,353	2,823
264467_AT	AT1G10140	expressed protein	3,883	5,28	3,558
262457_AT	AT1G11200	expressed protein	3,895	5,209	3,061
262455_AT	AT1G11310	seven transmembrane MLO family protein / MLO-like protein 2 (MLO2)	4,596	4,744	3,198
259512_AT	AT1G12360	cytokinesis-related Sec1 protein (KEULE)	2,496	2,507	2,032
262793_AT	AT1G13110	cytochrome P450 71B7 (CYP71B7)	4,938	3,472	2,654
262772_AT	AT1G13210	haloacid dehalogenase-like hydrolase family protein	3,851	3,981	2,633
259385_AT	AT1G13470	expressed protein	2,261	2,1	2,284
262832_S_AT	AT1G14870	expressed protein	3,925	4,595	2,75
262731_AT	AT1G16420	latex-abundant protein, putative (AMC8) / caspase family protein	6,503	7,232	3,006
246327_AT	AT1G16670	protein kinase family protein	3,642	3,886	2,873
259400_AT	AT1G17750	leucine-rich repeat transmembrane protein kinase, putative	2,041	2,797	2,834
255904_AT	AT1G17860	trypsin and protease inhibitor family protein / Kunitz family protein	3,848	3,974	2,687
261719_AT	AT1G18380	expressed protein	5,318	4,684	2,328
261718_AT	AT1G18390	protein kinase family protein	4,81	5,429	2,457
255753_AT	AT1G18570	myb family transcription factor (MYB51)	6,206	7,72	2,098
259479_AT	AT1G19020	expressed protein	2,952	3,253	2,07
261450_S_AT	AT1G21110	O-methyltransferase, putative	26,91	28,63	28,36
261449_AT	AT1G21120	O-methyltransferase, putative	25,97	28,6	9,21

261453_AT	AT1G21130	O-methyltransferase, putative	3,778	3,302	2,795
264200_AT	AT1G22650	beta-fructofuranosidase, putative / invertase, putative / saccharase, putative / beta-fructosidase, putativ	6,856	5,503	2,521
265184_AT	AT1G23710	expressed protein	2,042	3,311	3,691
264866_AT	AT1G24140	matrixin family protein	3,066	4,504	4,378
264867_AT	AT1G24150	formin homology 2 domain-containing protein / FH2 domain-containing protein	3,386	3,197	2,877
245641_AT	AT1G25370	expressed protein	2,497	3,284	2,371
262744_AT	AT1G28680	transferase family protein	2,564	2,766	2,047
263221_AT	AT1G30620	UDP-D-xylose 4-epimerase, putative (MUR4)	2,866	2,942	2,173
265161_AT	AT1G30900	vacuolar sorting receptor, putative	4,841	4,812	7,238
246312_AT	AT1G31930	extra-large guanine nucleotide binding protein, putative / G-protein, putative	2,783	2,99	2,224
245755_AT	AT1G35210	expressed protein	4,236	6,153	3,345
259550_AT	AT1G35230	arabinogalactan-protein (AGP5)	2,23	2,395	2,229
261339_AT	AT1G35710	leucine-rich repeat transmembrane protein kinase, putative	4,227	2,744	2,239
262237_AT	AT1G48320	thioesterase family protein	3,609	3,533	2,102
262448_AT	AT1G49450	transducin family protein / WD-40 repeat family protein	7,377	8,235	5,782
246631_AT	AT1G50740	expressed protein	2,634	2,558	2,375
265075_AT	AT1G55450	embryo-abundant protein-related	3,831	3,755	2,875
262082_S_AT	AT1G56120	leucine-rich repeat family protein / protein kinase family protein	4,108	4,151	2,173
245840_AT	AT1G58420	expressed protein	4,107	4,522	5,13
264757_AT	AT1G61360	S-locus lectin protein kinase family protein	3,325	3,866	3,091
264756_AT	AT1G61370	S-locus lectin protein kinase family protein	2,902	2,665	2,21
265008_AT	AT1G61560	seven transmembrane MLO family protein / MLO-like protein 6 (MLO6)	16,29	19,93	17,01
265030_AT	AT1G61610	S-locus lectin protein kinase family protein	2,313	2,337	2,338
264746_AT	AT1G62300	WRKY family transcription factor	7,047	8,095	4,667
260635_AT	AT1G62420	expressed protein	3,362	3,032	2,095
261973_AT	AT1G64610	WD-40 repeat family protein	3,292	4,487	4,809
264635_AT	AT1G65500	expressed protein	6,266	3,967	2,314
262930_AT	AT1G65690	harpin-induced protein-related / HIN1-related / harpin-responsive protein-related	10,63	12,14	8,143
256526_AT	AT1G66090	disease resistance protein (TIR-NBS class), putative	3,17	3,731	2,56
257583_AT	AT1G66480	expressed protein	5,698	5,999	4,389
256366_AT	AT1G66880	serine/threonine protein kinase family protein	2,836	3,499	2,818
245197_AT	AT1G67800	copine-related	3,693	3,337	2,671
260005_AT	AT1G67920	expressed protein	7,83	9,758	4,614
259992_AT	AT1G67970	heat shock factor protein, putative (HSF5) / heat shock transcription factor, putative (HSTF5)	3,053	2,847	2,577
264717_AT	AT1G70140	formin homology 2 domain-containing protein / FH2 domain-containing protein	4,584	3,722	2,478
264314_AT	AT1G70420	expressed protein	5,633	5,684	2,227

260303_AT	AT1G70520	protein kinase family protein	3,04	2,54	2,054
260362_AT	AT1G70530	protein kinase family protein	5,3	5,052	3,357
256337_AT	AT1G72060	expressed protein	12,74	9,237	3,306
260335_AT	AT1G74000	strictosidine synthase family protein	3,296	3,289	2,359
260239_AT	AT1G74360	leucine-rich repeat transmembrane protein kinase, putative	3,304	3,848	2,071
264960_AT	AT1G76930	proline-rich extensin-like family protein	8,624	13,09	3,496
264951_AT	AT1G76970	VHS domain-containing protein / GAT domain-containing protein	2,372	2,613	2,11
261402_AT	AT1G79670	wall-associated kinase, putative	3,971	4,058	2,015
261892_AT	AT1G80840	WRKY family transcription factor	3,408	3,13	2,74
265221_S_AT	AT2G02010	glutamate decarboxylase, putative	16,87	23,88	7,971
266231_AT	AT2G02220	leucine-rich repeat transmembrane protein kinase, putative	5,081	4,763	2,069
263722_AT	AT2G13650	GDP-mannose transporter (GONST1)	2,956	2,777	2,164
263565_AT	AT2G15390	xyloglucan fucosyltransferase, putative (FUT4)	3,572	2,999	2,24
265499_AT	AT2G15480	UDP-glucuronosyl/UDP-glucosyl transferase family protein	4,414	5,621	3,807
265479_AT	AT2G15760	calmodulin-binding protein	2,278	2,526	2,379
265359_AT	AT2G16720	myb family transcription factor	2,966	3,239	3,003
264616_AT	AT2G17740	DC1 domain-containing protein	44,55	35,65	9,59
266071_AT	AT2G18680	expressed protein	19,44	22,19	30,9
267490_AT	AT2G19130	S-locus lectin protein kinase family protein	4,129	4,788	5,963
265306_AT	AT2G20320	DENN (AEX-3) domain-containing protein	3,197	3,666	2,51
265440_AT	AT2G20960	expressed protein	6,002	5,625	5,015
245051_AT	AT2G23320	WRKY family transcription factor	3,046	3,45	2,072
267288_AT	AT2G23680	stress-responsive protein, putative	3,739	3,788	2,728
265987_AT	AT2G24240	potassium channel tetramerisation domain-containing protein	3,31	3,631	2,592
263797_AT	AT2G24570	WRKY family transcription factor	9,125	7,776	3,721
266658_AT	AT2G25735	expressed protein	4,039	4,22	2,525
267381_AT	AT2G26190	calmodulin-binding family protein	2,249	2,469	3,152
245038_AT	AT2G26560	patatin, putative	16,11	17,18	9,631
265620_AT	AT2G27310	F-box family protein	2,636	2,915	2,328
265276_AT	AT2G28400	expressed protein	3,286	3,862	2,46
266615_S_AT	AT2G29720	monooxygenase family protein	2,814	2,744	2,148
265725_AT	AT2G32030	GCN5-related N-acetyltransferase (GNAT) family protein	6,067	11,47	4,057
267546_AT	AT2G32680	disease resistance family protein	5,081	3,295	3,606
265797_AT	AT2G35715	Expressed protein ; supported by full-length cDNA: Ceres: 9996.	3,396	4,051	2,979
263866_AT	AT2G36950	heavy-metal-associated domain-containing protein	2,015	2,836	2,738
266010_AT	AT2G37430	zinc finger (C2H2 type) family protein (ZAT11)	7,039	10,89	7,031

266101_AT	AT2G37940	expressed protein	2,567	2,751	2,221
267028_AT	AT2G38470	WRKY family transcription factor	2,63	3,565	2,427
266167_AT	AT2G38860	proteaseI (pfpI)-like protein (YLS5)	3,013	2,803	2,233
267008_AT	AT2G39350	ABC transporter family protein	4,143	4,562	2,252
266983_AT	AT2G39400	hydrolase, alpha/beta fold family protein	11,5	10,87	5,225
263379_AT	AT2G40140	zinc finger (CCCH-type) family protein	2,877	3,555	2,152
260560_AT	AT2G43590	chitinase, putative	8,46	10,3	8,789
267384_AT	AT2G44370	DC1 domain-containing protein	31,63	19,71	5,542
245089_AT	AT2G45290	transketolase, putative	3,152	3,882	2,632
266581_AT	AT2G46140	late embryogenesis abundant protein, putative / LEA protein, putative	4,208	3,865	2,398
266596_AT	AT2G46150	expressed protein	3,689	3,728	2,002
265450_AT	AT2G46620	AAA-type ATPase family protein	2,335	2,504	2,334
266761_AT	AT2G47130	short-chain dehydrogenase/reductase (SDR) family protein	7,81	5,613	2,383
266486_AT	AT2G47950	expressed protein	2,668	2,009	2,937
258487_AT	AT3G02550	LOB domain protein 41 / lateral organ boundaries domain protein 41 (LBD41)	4,29	5,452	3,002
257536_AT	AT3G02800	tyrosine specific protein phosphatase family protein	7	7,893	5,196
258606_AT	AT3G02840	immediate-early fungal elicitor family protein	5,989	8,602	5,206
259298_AT	AT3G05370	disease resistance family protein	2,301	2,38	2,103
258665_AT	AT3G08710	thioredoxin family protein	2,434	2,384	2,294
259213_AT	AT3G09010	protein kinase family protein	4,169	4,16	2,884
259033_AT	AT3G09410	pectinacylesterase family protein	3,74	4,423	2,303
258752_AT	AT3G09520	exocyst subunit EXO70 family protein	5,023	6,328	3,585
258650_AT	AT3G09830	protein kinase, putative	2,851	2,564	2,5
258941_AT	AT3G09940	monodehydroascorbate reductase, putative	2,64	3,222	2,423
258787_AT	AT3G11840	U-box domain-containing protein	5,767	5,946	4,331
258436_AT	AT3G16720	zinc finger (C3HC4-type RING finger) family protein	2,76	2,953	2,024
258351_AT	AT3G17700	cyclic nucleotide-binding transporter 1 / CNBT1 (CNGC20)	4,802	5,305	5,197
256799_AT	AT3G18560	expressed protein	3,935	3,74	3,582
256922_AT	AT3G19010	oxidoreductase, 2OG-Fe(II) oxygenase family protein	2,817	2,767	2,042
257621_AT	AT3G20410	calmodulin-domain protein kinase isoform 9 (CPK9)	3,209	3,466	3,034
257978_AT	AT3G20860	protein kinase family protein	5,007	3,828	2,509
256968_AT	AT3G21070	ATP-NAD kinase family protein	4,272	3,855	2,938
258047_AT	AT3G21240	4-coumarate--CoA ligase 2 / 4-coumaroyl-CoA synthase 2 (4CL2)	3,447	2,592	2,114
258173_AT	AT3G21630	protein kinase family protein	3,143	3,045	2,206
258176_AT	AT3G21650	serine/threonine protein phosphatase 2A (PP2A) regulatory subunit B', putative	2,227	2,407	2,221
257264_AT	AT3G22060	receptor protein kinase-related	4,089	3,652	2,099

257763_S_AT	AT3G23110	disease resistance family protein	2,317	3,595	2,501
256756_AT	AT3G25610	haloacid dehalogenase-like hydrolase family protein	3,479	3,618	2,131
258282_AT	AT3G26910	hydroxyproline-rich glycoprotein family protein	3,457	3,721	2,122
256583_AT	AT3G28850	glutaredoxin family protein	4,023	4,286	3,333
252739_AT	AT3G43250	cell cycle control protein-related	2,386	3,916	2,56
252592_AT	AT3G45640	mitogen-activated protein kinase, putative / MAPK, putative (MPK3)	3,624	3,519	2,117
252373_AT	AT3G48090	disease resistance protein (EDS1)	3,264	2,992	2,858
252367_AT	AT3G48360	speckle-type POZ protein-related	6,335	8,909	2,647
252364_AT	AT3G48450	nitrate-responsive NOI protein, putative	3,354	4,508	5,14
252346_AT	AT3G48650	pseudogene, At14a-related protein	5,938	7,467	3,714
252311_AT	AT3G49370	calcium-dependent protein kinase, putative / CDPK, putative	3,21	3,217	3,033
252265_AT	AT3G49620	2-oxoacid-dependent oxidase, putative (DIN11)	2,403	2,462	2,523
252230_AT	AT3G49810	U-box domain-containing protein	2,202	2,501	2,499
252053_AT	AT3G52400	syntaxin, putative (SYP122)	3,344	3,328	2,344
252060_AT	AT3G52430	phytoalexin-deficient 4 protein (PAD4)	2,342	2,349	2,029
252045_AT	AT3G52450	U-box domain-containing protein	4,636	4,104	2,243
251980_AT	AT3G53270	expressed protein	2,871	2,381	2,066
251987_AT	AT3G53280	cytochrome P450 71B5 (CYP71B5)	6,183	6,263	2,976
251884_AT	AT3G54150	embryo-abundant protein-related	9,998	14,66	7,878
251790_AT	AT3G55470	C2 domain-containing protein	3,687	5,258	5,121
246293_AT	AT3G56710	sigA-binding protein	2,829	2,237	2,428
251633_AT	AT3G57460	expressed protein	5,247	5,772	2,306
251643_AT	AT3G57550	guanylate kinase 2 (GK-2)	3,938	3,382	2,281
251594_AT	AT3G57630	exostosin family protein	2,603	2,584	2,692
251479_AT	AT3G59700	lectin protein kinase, putative	4,804	4,737	2,326
251379_AT	AT3G60680	expressed protein	4,435	4,368	2,408
255599_AT	AT4G01010	cyclic nucleotide-regulated ion channel, putative (CNGC13)	3,172	4,459	2,883
255605_AT	AT4G01090	extra-large G-protein-related	2,198	2,833	2,033
255595_AT	AT4G01700	chitinase, putative	8,337	6,926	4,509
255564_S_AT	AT4G01750	expressed protein	5,23	3,671	2,09
254847_AT	AT4G11850	phospholipase D gamma 1 / PLD gamma 1 (PLDGAMMA1)	3,94	4,455	2,843
254869_AT	AT4G11890	protein kinase family protein	6,964	6,068	3,211
245613_AT	AT4G14450	expressed protein	5,828	11,45	21,06
245250_AT	AT4G17490	ethylene-responsive element-binding protein, putative	9,361	6,539	4,245
254694_AT	AT4G17900	zinc-binding family protein	3,184	2,953	2,052
254652_AT	AT4G18170	WRKY family transcription factor	7,098	7,088	2,76

254660_AT	AT4G18250	receptor serine/threonine kinase, putative	3,517	3,286	2,935
254592_AT	AT4G18880	heat shock transcription factor 21 (HSF21)	3,397	3,267	2,241
254605_AT	AT4G18950	ankyrin protein kinase, putative	3,166	3,134	2,009
254575_AT	AT4G19460	glycosyl transferase family 1 protein	3,327	2,611	2,803
254487_AT	AT4G20780	calcium-binding protein, putative	3,872	3,749	2,457
254385_S_AT	AT4G21830	methionine sulfoxide reductase domain-containing protein / SeIR domain-containing protein	3,219	4,215	2,239
254331_S_AT	AT4G22710	cytochrome P450 family protein	2,552	2,65	2,151
254292_AT	AT4G23030	MATE efflux protein-related	5,044	5,103	5,348
254265_S_AT	AT4G23140	receptor-like protein kinase 5 (RLK5)	2,373	2,228	2,913
254241_AT	AT4G23190	protein kinase family protein	4,25	4,29	2,579
254040_AT	AT4G25900	aldose 1-epimerase family protein	3,465	3,798	2,884
254032_AT	AT4G25940	epsin N-terminal homology (ENTH) domain-containing protein	2,399	2,2	2,059
253827_AT	AT4G28085	expressed protein	4,182	4,339	2,382
253819_AT	AT4G28350	lectin protein kinase family protein	3,747	4,315	2,014
253768_AT	AT4G28550	RabGAP/TBC domain-containing protein	3,523	4,314	2,619
253590_AT	AT4G30850	expressed protein	4,012	4,637	2,173
253414_AT	AT4G33050	calmodulin-binding family protein	3,657	3,825	2,024
253273_AT	AT4G34180	cyclase family protein	3,231	3,233	2,147
253257_AT	AT4G34390	extra-large guanine nucleotide binding protein, putative / G-protein, putative	3,365	3,181	2,584
253204_AT	AT4G34460	guanine nucleotide-binding protein beta subunit (GB1) / GTP-binding protein beta subunit (AGB1) / 1	3,468	3,369	2,338
253124_AT	AT4G36030	armadillo/beta-catenin repeat family protein	3,136	3,194	2,261
253046_AT	AT4G37370	cytochrome P450, putative	4,357	4,601	3,062
253063_AT	AT4G37640	calcium-transporting ATPase 2, plasma membrane-type / Ca(2+)-ATPase isoform 2 (ACA2)	3,462	3,429	2,601
252939_AT	AT4G39230	isoflavone reductase, putative	8,26	8,134	3,588
252908_AT	AT4G39670	expressed protein	5,608	6,484	3,151
252862_AT	AT4G39830	L-ascorbate oxidase, putative	3,132	2,595	2,035
252825_AT	AT4G39890	Ras-related GTP-binding family protein	3,689	3,521	2,382
251061_AT	AT5G01830	armadillo/beta-catenin repeat family protein / U-box domain-containing protein	5,097	5,553	3,725
251071_AT	AT5G01950	leucine-rich repeat transmembrane protein kinase, putative	3,37	3,332	2,21
250918_AT	AT5G03610	GDSL-motif lipase/hydrolase family protein	3,652	3,892	2,559
250916_AT	AT5G03630	monodehydroascorbate reductase, putative	2,824	2,586	2,062
250796_AT	AT5G05300	expressed protein	7,215	7,526	4,611
250745_AT	AT5G05850	leucine-rich repeat family protein	3,136	3,515	2,311
250575_AT	AT5G08240	expressed protein	5,186	5,559	4,922
250493_AT	AT5G09800	U-box domain-containing protein	4,855	4,988	3,8
250449_AT	AT5G10830	embryo-abundant protein-related	4,921	4,675	2,592

250398_AT	AT5G11000	expressed protein	2,752	3,037	2,253
250323_AT	AT5G12880	proline-rich family protein	4,75	5,203	2,47
250286_AT	AT5G13320	auxin-responsive GH3 family protein	2,522	3,042	2,438
246532_AT	AT5G15870	glycosyl hydrolase family 81 protein	3,163	3,748	2,615
250018_AT	AT5G18150	expressed protein	3,351	3,256	2,725
249983_AT	AT5G18470	curculin-like (mannose-binding) lectin family protein	2,394	2,063	3,141
249928_AT	AT5G22250	CCR4-NOT transcription complex protein, putative	2,261	3,26	3,403
249903_AT	AT5G22690	disease resistance protein (TIR-NBS-LRR class), putative	3,314	3,731	2,393
246927_S_AT	AT5G25260	expressed protein	5,553	5,083	3,142
246821_AT	AT5G26920	calmodulin-binding protein	3,937	4,687	2,32
246777_AT	AT5G27420	zinc finger (C3HC4-type RING finger) family protein	3,691	5,495	5,419
249485_AT	AT5G39020	protein kinase family protein	2,289	2,12	2,218
249417_AT	AT5G39670	calcium-binding EF hand family protein	3,017	3,971	2,428
249339_AT	AT5G41100	expressed protein	3,073	3,434	2,121
249197_AT	AT5G42380	calmodulin-related protein, putative	4,876	6,412	5,541
249188_AT	AT5G42830	transferase family protein	21,18	19,75	9,911
249078_AT	AT5G44070	phytochelatin synthase 1 (PCS1)	3,593	3,383	2,408
248964_AT	AT5G45340	cytochrome P450 family protein	2,574	2,265	2,396
248904_AT	AT5G46295	expressed protein	5,404	5,806	3,752
248799_AT	AT5G47230	ethylene-responsive element-binding factor 5 (ERF5)	3,353	5,039	2,377
248769_AT	AT5G47730	SEC14 cytosolic factor, putative / polyphosphoinositide-binding protein, putative	3,376	3,51	2,623
248719_AT	AT5G47910	respiratory burst oxidase protein D (RbohD) / NADPH oxidase	2,025	2,432	2,409
248581_AT	AT5G49900	expressed protein	3,888	3,785	3,312
248327_AT	AT5G52750	heavy-metal-associated domain-containing protein	3,207	5,384	4,614
248322_AT	AT5G52760	heavy-metal-associated domain-containing protein	4,544	8,34	6,693
248164_AT	AT5G54490	calcium-binding EF-hand protein, putative	3,168	4,145	2,286
248134_AT	AT5G54860	integral membrane transporter family protein	2,296	2,107	2,062
248091_AT	AT5G55120	expressed protein	2,943	2,82	2,495
247940_AT	AT5G57190	phosphatidylserine decarboxylase, putative	4,663	5,044	5,564
247949_AT	AT5G57220	cytochrome P450, putative	15,11	16,08	8,368
247864_S_AT	AT5G57890	anthranilate synthase beta subunit, putative	2,58	2,827	2,323
247240_AT	AT5G64660	U-box domain-containing protein	4,793	4,346	2,311
247104_AT	AT5G66620	LIM domain-containing protein	3,125	2,928	2,415
247071_AT	AT5G66640	LIM domain-containing protein-related	4,233	3,293	2,068
247047_AT	AT5G66650	expressed protein	2,314	3,292	2,458
247044_AT	AT5G66850	protein kinase family protein	4,376	3,944	2,512

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-63: Liste von Genen, deren Expression durch flg22-, HrpZ_{PspH}- und LPS-Behandlung nach 1 h in *A. thaliana* -Pflanzen induziert wird.
Microarray -Analyse mit Daten der *AtGenExpress* -Initiative.

Datensatz ID	AGI	Beschreibung	flg22	HrpZ _{PspH}	LPS
264660_AT	AT1G09940	glutamyl-tRNA reductase 2 / GluTR (HEMA2)	2,473	2,614	2,301
256169_AT	AT1G51800	leucine-rich repeat protein kinase, putative	4,796	3,675	2,178
246366_AT	AT1G51850	leucine-rich repeat protein kinase, putative	8,467	5,238	2,653
262085_AT	AT1G56060	expressed protein	2,928	3,425	2,242
257466_AT	AT1G62840	expressed protein	2,1	2,644	2,218
264223_S_AT	AT1G67520	lectin protein kinase family protein	2,703	2,202	2,196
263935_AT	AT2G35930	U-box domain-containing protein	4,194	4,023	2,14
267385_AT	AT2G44380	DC1 domain-containing protein	9,152	5,665	2,602
245151_AT	AT2G47550	pectinesterase family protein	8,44	9,467	2,538
258037_AT	AT3G21230	4-coumarate--CoA ligase, putative / 4-coumaroyl-CoA synthase, putative (4CL)	2,222	2,369	2,022
257919_AT	AT3G23250	myb family transcription factor (MYB15)	3,259	3,469	2,478
251336_AT	AT3G61190	BON1-associated protein 1 (BAP1)	2,183	2,798	2,13
255250_AT	AT4G05100	myb family transcription factor (MYB74)	2,168	2,31	2,237
245251_AT	AT4G17615	calcineurin B-like protein 1 (CBL1)	2,147	2,453	3,152
254314_AT	AT4G22470	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein	2,294	2,406	3,146
253323_AT	AT4G33920	protein phosphatase 2C family protein / PP2C family protein	2,589	2,97	3,973
249423_AT	AT5G39785	expressed protein	2,386	2,307	2,361
247177_AT	AT5G65300	expressed protein	2,229	2,313	2,026

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-64: Liste von Genen, deren Expression durch HrpZ_{P_{sph}}-, NLP_{P_p}- und LPS-Behandlung nach 1 h in *A. thaliana*-Pflanzen induziert wird.
Microarray-Analyse mit Daten der *AtGenExpress*-Initiative.

Datensatz ID	AGI	Beschreibung	HrpZ _{P_{sph}}	NLP _{P_p}	LPS
261109_AT	AT1G75450	FAD-binding domain-containing protein / cytokinin oxidase family protein	2,061	2,335	2,343
257751_AT	AT3G18690	VQ motif-containing protein	2,909	2,127	2,237
248710_AT	AT5G48480	expressed protein	2,005	5,826	2,08
248392_AT	AT5G52050	MATE efflux protein-related	2,389	2,28	4,372

Zusätzliche Informationen zur Dissertation von Yvonne Gäbler, 2007

Tabelle 7-65: Liste von Genen, deren Expression durch flg22-, HrpZ_{P_{sph}}-, NLP_{Pp}- und LPS-Behandlung nach 1 h in *A. thaliana* -Pflanzen induziert wird.
Microarray -Analyse mit Daten der *AtGenExpress* -Initiative.

Datensatz ID	AGI	Beschreibung	flg22	HrpZ _{P_{sph}}	NLP _{Pp}	LPS
246401_AT	AT1G57560	myb family transcription factor (MYB50)	5,098	4,571	2,844	4,292
260243_AT	AT1G63720	expressed protein	3,109	2,666	2,37	2,349
260411_AT	AT1G69890	expressed protein	4,51	5,229	4,258	2,399
261899_AT	AT1G80820	cinnamoyl-CoA reductase, putative	6,008	7,493	3,475	2,055
265632_AT	AT2G14290	F-box family protein	3,204	4,783	5,717	3,55
265670_S_AT	AT2G32210	expressed protein	2,554	4,067	2,079	2,344
266992_AT	AT2G39200	seven transmembrane MLO family protein / MLO-like protein 12 (MLO12)	6,626	5,674	2,409	2,59
258947_AT	AT3G01830	calmodulin-related protein, putative	3,71	4,293	3,122	2,322
257951_AT	AT3G21700	expressed protein	5,801	6,809	3,509	4,424
252487_AT	AT3G46660	UDP-glucuronosyl/UDP-glucosyl transferase family protein	2,15	2,902	2,054	2,621
254408_AT	AT4G21390	S-locus lectin protein kinase family protein	6,686	7,83	3,033	2,495
254060_AT	AT4G25350	EXS family protein / ERD1/XPR1/SYG1 family protein	5,597	4,796	2,9	2,114
245209_AT	AT5G12340	expressed protein	4,261	4,991	2,463	2,039
250149_AT	AT5G14700	cinnamoyl-CoA reductase-related	5,314	8,482	15,45	2,38
249051_AT	AT5G44390	FAD-binding domain-containing protein	3,111	3,042	2,587	2,174
248040_AT	AT5G55970	zinc finger (C3HC4-type RING finger) family protein	3,383	5,236	2,284	2,676