

Supporting information

Table S1. Log2 fold expression changes of mean signal intensities of 321 receptor-like kinase (RLK) genes. After automated annotation, genes have been extracted with the help of the MapMan bin “signalling receptor kinases” from all genes regulated at 12 h (Table 1). Average expression changes are shown for seven comparisons as indicated in wild type (WT), CA *RACB* (OE) and *RACB* RNAi (RNAi) barley with or without inoculation with *Bgh*.

Log2 fold change							MapMan_BinName*	Description_HARVEST.35
OE Bgh vs. OE mock	Bgh vs. WT Bgh	OE vs. WT mock	RNAi Bgh vs. mock	RNAi WT vs. Bgh	RNAi vs. WT mock	WT Bgh vs. WT mock		
0,549	-0,209	0,562	1,4	-0,131	-0,211	1,319	signalling,receptor kinases	U35_5204
-1,445	0,324	-0,347	-2,063	0,559	0,507	-2,116	signalling,receptor kinases	U35_19223
-1,516	-0,518	-0,451	-1,558	-0,464	-0,355	-1,448	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_48612
1,116	-0,544	1,067	2,26	-0,462	0,005	2,727	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_12122
1,118	-0,059	0,747	2,21	-0,116	-0,403	1,923	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_21728
1,12	-0,222	0,385	1,148	-0,088	0,491	1,726	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_32891
0,955	-0,27	0,198	1,928	0,084	-0,42	1,423	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_24404
1,971	-0,148	1,785	4,072	-0,112	-0,28	3,904	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_26265
1,932	0,084	1,133	3,009	-0,183	-0,211	2,981	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_18650
-1,804	0,093	-0,126	-1,886	0,259	0,122	-2,024	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_24023
1,432	0,737	2,521	3,695	-0,033	-0,512	3,216	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_23508
2,112	0,533	0,95	2,865	0,267	-0,069	2,529	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_46085
1,086	-0,028	0,783	2,12	-0,195	-0,419	1,896	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_6364
0,032	-0,571	0,429	0,791	-0,498	-0,257	1,032	signalling,receptor kinases,Catharanthus roseus/Malectin-like RLK1	U35_23157
1,733	0,809	0,418	1,027	-0,32	-0,005	1,342	signalling,receptor kinases,crinkly like	U35_4772
1,59	-0,071	1,096	2,804	0,036	-0,012	2,756	signalling,receptor kinases,crinkly like	U35_10055
0,537	0,414	0,906	1,047	0,179	0,161	1,03	signalling,receptor kinases,crinkly like	U35_25134
0,827	1,054	2,179	1,809	-0,136	0,007	1,952	signalling,receptor kinases,crinkly like	U35_20791
1,335	0,534	2,178	2,85	0,896	1,025	2,979	signalling,receptor kinases,crinkly like	U35_25318
1,079	-0,089	0,371	1,35	0,069	0,258	1,539	signalling,receptor kinases,crinkly like	U35_30712
1,796	-0,072	0,915	2,062	0,25	0,971	2,783	signalling,receptor kinases,crinkly like	U35_10910
1,122	0,722	1,762	2,717	0,754	0,2	2,163	signalling,receptor kinases,crinkly like	U35_24514
0,897	0,9	0,361	2,222	1,12	-0,744	0,358	signalling,receptor kinases,DUF 26	U35_27264
1,755	-0,312	1,674	5,325	0,106	-1,478	3,741	signalling,receptor kinases,DUF 26	U35_26211
2,217	-0,015	1,628	5,268	0,366	-1,042	3,861	signalling,receptor kinases,DUF 26	U35_6100
1,528	-0,029	0,982	2,727	-0,328	-0,517	2,538	signalling,receptor kinases,DUF 26	U35_28213
0,801	1,338	1,897	2,354	0,125	-0,87	1,359	signalling,receptor kinases,DUF 26	U35_10322
-0,794	0,256	-0,489	-1,044	0,547	0,052	-1,539	signalling,receptor kinases,DUF 26	U35_24108
1,758	-0,335	1,235	2,888	-0,611	-0,171	3,328	signalling,receptor kinases,DUF 26	U35_10485
0,271	-0,78	0,417	0,633	-0,127	0,707	1,468	signalling,receptor kinases,DUF 26	U35_40327
3,255	-0,895	1,554	6,036	0,33	-0,003	5,703	signalling,receptor kinases,DUF 26	U35_10209

1,318	0,418	1,364	2,56	-0,222	-0,517	2,265	signalling,receptor kinases,DUF 26	U35_5179
1,231	0,466	1,123	2,231	0,061	-0,282	1,888	signalling,receptor kinases,DUF 26	U35_5178
1,862	0,429	1,085	2,551	0,509	0,476	2,518	signalling,receptor kinases,DUF 26	U35_22274
1,069	0,802	-0,386	1,023	0,636	-0,506	-0,119	signalling,receptor kinases,DUF 26	U35_6834
0,913	0,533	0,327	2,673	0,553	-1,412	0,708	signalling,receptor kinases,DUF 26	U35_43458
-0,798	0,172	0,419	-0,773	-1,062	-0,841	-0,552	signalling,receptor kinases,DUF 26	U35_8312
1,932	-0,098	2,251	4,332	-0,12	-0,171	4,281	signalling,receptor kinases,DUF 26	U35_26753
-0,625	-0,173	-0,94	-0,371	0,714	-0,307	-1,392	signalling,receptor kinases,DUF 26	U35_39802
-0,709	0,789	-0,1	-1,356	0,158	-0,084	-1,599	signalling,receptor kinases,DUF 26	U35_43089
0,885	1,54	1,726	1,068	-0,685	-0,682	1,071	signalling,receptor kinases,DUF 26	U35_2599
-0,638	0,354	-0,141	-0,255	1,026	0,148	-1,133	signalling,receptor kinases,DUF 26	U35_26383
1,907	0,247	1,985	4,712	0,259	-0,808	3,645	signalling,receptor kinases,DUF 26	U35_36209
0,515	-0,231	0,026	1,691	0,587	-0,333	0,772	signalling,receptor kinases,DUF 26	U35_20331
2,183	0,104	2,635	5,029	-0,379	-0,693	4,715	signalling,receptor kinases,DUF 26	U35_11057
1,537	-0,53	0,295	2,228	-0,098	0,037	2,363	signalling,receptor kinases,DUF 26	U35_3038
1,75	-0,187	-0,572	3,225	1,178	-0,682	1,365	signalling,receptor kinases,DUF 26	U35_6486
1,464	0,558	1,81	4,111	0,158	-1,237	2,716	signalling,receptor kinases,DUF 26	U35_5259
2,107	-0,152	-0,252	2,97	0,217	-0,746	2,007	signalling,receptor kinases,DUF 26	U35_6099
1,03	1,342	1,894	3,023	0,025	-1,416	1,582	signalling,receptor kinases,DUF 26	U35_9814
-0,057	0,763	1,138	0,666	-1,223	-1,57	0,318	signalling,receptor kinases,DUF 26	U35_7436
-0,945	0,045	-0,37	-1,016	0,361	0,017	-1,36	signalling,receptor kinases,DUF 26	U35_48323
1,271	0,661	0,742	1,743	-0,244	-0,635	1,352	signalling,receptor kinases,DUF 26	U35_16763
1,395	0,83	0,556	1,985	-0,157	-1,022	1,121	signalling,receptor kinases,DUF 26	U35_16762
2,683	-0,32	0,83	4,665	0,351	-0,481	3,833	signalling,receptor kinases,DUF 26	U35_4393
0,717	2,978	3,378	1,117	-0,981	-0,981	1,117	signalling,receptor kinases,DUF 26	U35_39909
1,145	0,432	0,682	1,987	0,36	-0,232	1,395	signalling,receptor kinases,DUF 26	U35_16304
1,316	0,965	0,805	3,674	1,439	-1,08	1,155	signalling,receptor kinases,DUF 26	U35_16302
1,352	0,299	1,262	3,055	0,551	-0,189	2,315	signalling,receptor kinases,DUF 26	U35_16301
1,08	0,648	1,097	0,629	-0,116	0,783	1,528	signalling,receptor kinases,extensin	U35_46493
0,769	-0,048	0,124	1,111	0,263	0,093	0,941	signalling,receptor kinases,extensin	U35_10990
-0,635	-0,103	-0,425	-1,6	-0,627	0,016	-0,957	signalling,receptor kinases,extensin	U35_10082
1,821	0,396	3,883	4,451	-0,538	0,319	5,308	signalling,receptor kinases,legume-lectin	U35_24670
1,894	-0,962	0,899	4,726	-0,135	-1,107	3,755	signalling,receptor kinases,legume-lectin	U35_40797
3,189	-0,863	0,26	4,072	-0,891	-0,651	4,312	signalling,receptor kinases,legume-lectin	U35_27694
0,963	-0,231	1,87	3,702	0,188	-0,449	3,065	signalling,receptor kinases,legume-lectin	U35_41893
1,039	-0,297	0,139	1,222	0,355	0,609	1,476	signalling,receptor kinases,legume-lectin	U35_31517
2,274	-0,323	1,603	3,915	-0,661	-0,376	4,2	signalling,receptor kinases,legume-lectin	U35_21975
1,608	0,155	1,121	2,425	-0,111	0,039	2,574	signalling,receptor kinases,legume-lectin	U35_6216
1,498	0,388	2,305	3,787	0,043	-0,329	3,415	signalling,receptor kinases,legume-lectin	U35_43455
0,896	1,762	0,321	0,452	0,466	-0,532	-0,545	signalling,receptor kinases,legume-lectin	U35_8359
-0,235	0,209	-0,59	-0,322	-1,033	-1,745	-1,034	signalling,receptor kinases,legume-lectin	U35_23401
1,787	0,043	0,89	3,029	-0,125	-0,519	2,634	signalling,receptor kinases,legume-lectin	U35_48260
1,195	0,248	0,845	3,574	0,111	-1,67	1,793	signalling,receptor kinases,legume-lectin	U35_26360
2,484	-0,393	2,057	4,138	-0,367	0,43	4,934	signalling,receptor kinases,legume-lectin	U35_40651
-0,383	1,043	0,514	-0,618	-1,238	-1,532	-0,911	signalling,receptor kinases,legume-lectin	U35_24552
0,955	1,466	1,472	1,35	0,303	-0,086	0,96	signalling,receptor kinases,legume-lectin	U35_30547
1,447	0,116	1,526	2,756	0,214	0,315	2,857	signalling,receptor kinases,legume-lectin	U35_20306

1,473	0,14	1,254	2,623	0,39	0,353	2,586	signalling,receptor kinases,legume-lectin	U35_20305
2,604	-1,131	-0,826	3,451	-0,201	-0,742	2,909	signalling,receptor kinases,legume-lectin	U35_39775
1,191	0,779	1,283	1,575	0,016	0,136	1,695	signalling,receptor kinases,legume-lectin	U35_20372
3,055	-0,19	0,8	4,425	0,691	0,311	4,046	signalling,receptor kinases,legume-lectin	U35_11461
2,048	-0,298	3,449	4,987	-0,71	0,098	5,794	signalling,receptor kinases,legume-lectin	U35_11986
1,343	0,522	0,628	2,443	0,616	-0,378	1,449	signalling,receptor kinases,legume-lectin	U35_41157
0,346	0,009	0,219	1,186	0,945	0,315	0,556	signalling,receptor kinases,legume-lectin	U35_13397
1,338	-0,895	1,03	3,929	0,334	-0,332	3,262	signalling,receptor kinases,legume-lectin	U35_21316
1,937	-0,143	1,215	3,587	-0,376	-0,668	3,295	signalling,receptor kinases,legume-lectin	U35_7821
3,306	-0,623	0,17	4,642	0,195	-0,348	4,099	signalling,receptor kinases,legume-lectin	U35_11559
1,149	-0,254	-0,394	2,147	-0,882	-2,019	1,009	signalling,receptor kinases,legume-lectin	U35_26305
3,451	-0,765	2,625	7,557	0,406	-0,311	6,84	signalling,receptor kinases,legume-lectin	U35_11175
1,803	0,307	0,833	2,208	-0,415	-0,295	2,328	signalling,receptor kinases,legume-lectin	U35_11167
1,245	0,257	0,806	2,059	-0,09	-0,355	1,794	signalling,receptor kinases,leucine rich repeat I	U35_5174
2,072	2,632	2,341	3,621	1,023	-0,818	1,78	signalling,receptor kinases,leucine rich repeat I	U35_46725
-1,226	-0,41	-0,198	-1,291	-0,175	0,102	-1,014	signalling,receptor kinases,leucine rich repeat I	U35_7051
1,271	-0,084	0,689	2,12	-0,05	-0,126	2,044	signalling,receptor kinases,leucine rich repeat II	U35_16362
-0,856	-0,152	-0,366	-0,757	0,062	-0,25	-1,069	signalling,receptor kinases,leucine rich repeat II	U35_19920
1,337	0,605	4,192	4,549	-1,898	-1,523	4,924	signalling,receptor,leucine rich repeat II	U35_15510
1,301	0,06	2,647	3,474	-1,245	-0,83	3,889	signalling,receptor,leucine rich repeat II	U35_15509
1,074	0,395	2,309	3,387	-0,989	-1,387	2,988	signalling,receptor,leucine rich repeat II	U35_15508
1,487	0,131	3,093	4,452	-0,939	-0,943	4,448	signalling,receptor kinases,leucine rich repeat II	U35_15506
-0,748	-0,215	0,08	-1,213	-0,455	0,305	-0,452	signalling,receptor kinases,leucine rich repeat II	U35_47614
-0,945	-0,235	-0,14	-1,311	-0,506	-0,045	-0,851	signalling,receptor kinases,leucine rich repeat II	U35_21525
-0,744	0,071	-0,205	-0,399	0,388	-0,234	-1,021	signalling,receptor kinases,leucine rich repeat II	U35_41223
-0,64	-0,054	-0,876	-1,259	-0,353	-0,556	-1,462	signalling,receptor kinases,leucine rich repeat III	U35_27748
1,021	0,226	0,63	1,695	0,008	-0,263	1,424	signalling,receptor kinases,leucine rich repeat III	U35_18540
-0,363	-0,352	0,028	-1,256	-1,096	0,178	0,018	signalling,receptor kinases,leucine rich repeat III	U35_8784
-1,14	0,554	0,288	-1,428	0,281	0,302	-1,407	signalling,receptor kinases,leucine rich repeat III	U35_22200
1,001	0,225	-2,854	1,598	0,463	-3,214	-2,078	signalling,receptor kinases,leucine rich repeat III	U35_47261
2,434	-0,592	1,193	4,596	-0,544	-0,922	4,218	signalling,receptor kinases,leucine rich repeat III	U35_21203
-1,042	-0,178	-0,282	-1,923	-0,657	0,12	-1,147	signalling,receptor kinases,leucine rich repeat III	U35_43344
-1,442	-0,506	-0,267	-1,876	-0,004	0,669	-1,203	signalling,receptor kinases,leucine rich repeat III	U35_25490
-0,004	0,538	-1,16	0,2	1,221	-0,682	-1,703	signalling,receptor kinases,leucine rich repeat III	U35_26500
1,517	0,361	-0,131	2,253	0,431	-0,797	1,025	signalling,receptor kinases,leucine rich repeat III	U35_29425
-1,526	0,333	-1,285	-1,355	2,123	0,334	-3,145	signalling,receptor kinases,leucine rich repeat III	U35_8947
-0,034	0,466	1,15	0,079	-1,342	-0,772	0,649	signalling,receptor kinases,leucine rich repeat IX	U35_40453
-0,766	-1,026	-0,699	-0,774	-0,443	-0,108	-0,439	signalling,receptor kinases,leucine rich repeat IX	U35_19020
-1,111	-0,31	-0,39	-1,779	-0,772	-0,184	-1,191	signalling,receptor kinases,leucine rich repeat V	U35_22016
-0,905	-0,013	-0,679	-1,105	0,074	-0,392	-1,571	signalling,receptor kinases,leucine rich repeat V	U35_22015

2,513	-0,188	-1,355	1,583	-0,428	-0,666	1,345	signalling,receptor kinases,leucine rich repeat V	U35_22490
1,999	-0,743	-0,177	2,322	-0,324	-0,08	2,566	signalling,receptor kinases,leucine rich repeat V	U35_45769
-1,096	-0,31	-0,287	-1,053	0,435	0,415	-1,072	signalling,receptor kinases,leucine rich repeat V	U35_17136
1,513	-0,253	0,288	2,28	-0,198	-0,425	2,053	signalling,receptor kinases,leucine rich repeat V	U35_17135
0,205	0,244	1,709	0,428	0,147	1,388	1,669	signalling,receptor kinases,leucine rich repeat V	U35_6098
-1,794	-0,915	0,021	-1,99	-0,516	0,616	-0,858	signalling,receptor kinases,leucine rich repeat VI	U35_36846
1,84	-0,458	1,344	2,787	-0,813	0,041	3,642	signalling,receptor kinases,leucine rich repeat VI	U35_44722
-1,05	-0,034	-0,304	-1,212	-1,34E-04	-0,108	-1,32	signalling,receptor kinases,leucine rich repeat VI	U35_18688
0,668	-0,563	0,106	0,21	-0,471	0,657	1,337	signalling,receptor kinases,leucine rich repeat VI	U35_37137
-0,597	0,824	0,099	-0,066	0,854	-0,403	-1,323	signalling,receptor kinases,leucine rich repeat VI	U35_24393
1,463	-0,527	1,135	2,069	-0,932	0,124	3,125	signalling,receptor kinases,leucine rich repeat VI	U35_44064
-0,887	-0,063	-1,173	-1,291	0,293	-0,413	-1,996	signalling,receptor kinases,leucine rich repeat VI	U35_5301
1,115	-0,086	0,39	2,071	0,15	-0,33	1,591	signalling,receptor kinases,leucine rich repeat VIII-1	U35_6193
2,21	-0,492	0,1	3,458	0,03	-0,626	2,802	signalling,receptor kinases,leucine rich repeat VIII-1	U35_24942
2,345	-0,877	1,502	4,681	0,15	0,193	4,724	signalling,receptor kinases,leucine rich repeat VIII-1	U35_9634
0,873	-0,209	-0,023	1,603	0,395	-0,149	1,058	signalling,receptor kinases,leucine rich repeat VIII-1	U35_16767
-0,876	0,053	-0,336	-1,147	0,185	0,068	-1,264	signalling,receptor kinases,leucine rich repeat VIII-1	U35_20015
2,551	-0,45	1,112	4,008	0,243	0,347	4,113	signalling,receptor kinases,leucine rich repeat VIII-2	U35_40185
2,176	-0,184	1,099	3,522	0,633	0,57	3,458	signalling,receptor kinases,leucine rich repeat VIII-2	U35_9012
1,657	-0,25	0,099	2,045	0,087	0,049	2,006	signalling,receptor kinases,leucine rich repeat VIII-2	U35_8626
1,178	-0,07	0,635	2,19	0,571	0,263	1,882	signalling,receptor kinases,leucine rich repeat VIII-2	U35_50048
1,749	-0,409	0,462	3,715	-0,491	-1,587	2,62	signalling,receptor kinases,leucine rich repeat VIII-2	U35_21757
1,292	-0,731	0,62	1,894	-0,43	0,319	2,643	signalling,receptor kinases,leucine rich repeat VIII-2	U35_10402
1,836	-0,209	0,231	1,529	-0,224	0,523	2,276	signalling,receptor kinases,leucine rich repeat VIII-2	U35_2498
1,817	-0,661	1,749	2,457	-1,06	0,709	4,227	signalling,receptor kinases,leucine rich repeat VIII-2	U35_39518
1,568	-0,45	1,163	2,543	-0,486	0,152	3,181	signalling,receptor kinases,leucine rich repeat VIII-2	U35_8528
1,51	0,11	-0,291	2,223	0,486	-0,628	1,109	signalling,receptor kinases,leucine rich repeat VIII-2	U35_30558
2,267	-0,407	0,922	2,89	-0,017	0,689	3,596	signalling,receptor kinases,leucine rich repeat VIII-2	U35_2894
2,155	-0,371	0,854	2,681	-0,029	0,671	3,38	signalling,receptor kinases,leucine rich repeat VIII-2	U35_2893
1,31	-0,745	0,692	2,833	-0,067	-0,152	2,748	signalling,receptor kinases,leucine rich repeat VIII-2	U35_21905
2,323	-0,356	0,867	3,58	0,53	0,497	3,546	signalling,receptor kinases,leucine rich repeat VIII-2	U35_13379
1,456	-1,059	1,007	2,447	-0,829	0,246	3,522	signalling,receptor kinases,leucine rich repeat VIII-2	U35_7072
0,674	0,024	0,905	1,223	0,307	0,639	1,555	signalling,receptor kinases,leucine rich repeat VIII-2	U35_25188
1,277	-0,287	0,989	2,037	-0,315	0,202	2,553	signalling,receptor kinases,leucine rich repeat VIII-2	U35_1433
-0,539	0,13	-0,388	-0,893	0,551	0,388	-1,056	signalling,receptor kinases,leucine rich repeat X	U35_49031
1,973	0,182	0,399	3,385	0,446	-0,749	2,19	signalling,receptor kinases,leucine rich repeat X	U35_13209

1,062	-0,438	0,717	1,31	-0,293	0,614	2,217	signalling,receptor kinases,leucine rich repeat X	U35_20577
1,207	-0,064	0,142	1,859	0,058	-0,388	1,413	signalling,receptor kinases,leucine rich repeat X	U35_3958
0,671	0,202	0,581	1,318	-0,36	-0,628	1,05	signalling,receptor kinases,leucine rich repeat X	U35_23023
0,854	-0,835	0,787	0,935	-0,974	0,567	2,476	signalling,receptor kinases,leucine rich repeat X	U35_19713
0,714	-0,508	0,578	1,58	-0,312	-0,092	1,8	signalling,receptor kinases,leucine rich repeat X	U35_3440
1,257	0,78	3,243	4,212	0,746	0,253	3,72	signalling,receptor kinases,leucine rich repeat X	U35_12783
-0,782	-0,372	-0,832	-0,56	0,548	-0,133	-1,242	signalling,receptor kinases,leucine rich repeat X	U35_32381
-0,887	0,074	-0,367	-0,807	0,189	-0,332	-1,328	signalling,receptor kinases,leucine rich repeat XI	U35_4354
-0,91	0,611	0,42	-1,517	0,232	0,648	-1,102	signalling,receptor kinases,leucine rich repeat XI	U35_49704
-1,109	0,061	0,185	-1,52	-0,018	0,517	-0,985	signalling,receptor kinases,leucine rich repeat XI	U35_20746
0,861	-0,542	0,273	0,208	-1,786	-0,319	1,675	signalling,receptor kinases,leucine rich repeat XI	U35_41353
1,951	-0,179	-0,296	2,729	0,183	-0,712	1,835	signalling,receptor kinases,leucine rich repeat XI	U35_47678
2,955	-0,46	-0,882	4,365	1,006	-0,826	2,533	signalling,receptor kinases,leucine rich repeat XI	U35_10606
3,069	1,089	-0,72	2,198	0,725	-0,214	1,259	signalling,receptor kinases,leucine rich repeat XI	U35_48941
1,415	0,216	0,819	2,658	-0,062	-0,703	2,017	signalling,receptor kinases,leucine rich repeat XI	U35_17900
1,842	0,361	0,432	2,567	0,451	-0,203	1,913	signalling,receptor kinases,leucine rich repeat XI	U35_23218
1,937	-0,01	2,58	5,741	0,467	-0,747	4,527	signalling,receptor kinases,leucine rich repeat XI	U35_26118
2,52	-0,617	2,129	6,508	0,704	-0,539	5,266	signalling,receptor kinases,leucine rich repeat XI	U35_24206
1,837	0,108	1,475	4,149	0,456	-0,489	3,203	signalling,receptor kinases,leucine rich repeat XI	U35_16769
-0,698	0,143	-0,2	-1,299	-0,057	0,2	-1,041	signalling,receptor kinases,leucine rich repeat XI	U35_38395
0,678	0,57	0,976	1,633	0,226	-0,324	1,084	signalling,receptor kinases,leucine rich repeat XI	U35_41
1,805	-0,08	1,303	2,524	-0,463	0,202	3,188	signalling,receptor kinases,leucine rich repeat XI	U35_39912
-1,477	0,038	0,044	-1,158	0,352	0,039	-1,471	signalling,receptor kinases,leucine rich repeat XI	U35_19446
2,731	0,55	-1,492	1,984	-0,214	-1,508	0,689	signalling,receptor kinases,leucine rich repeat XI	U35_46814
1,707	2,241	2,385	2,854	0,348	-0,656	1,851	signalling,receptor kinases,leucine rich repeat XII	U35_9592
1,517	-0,218	0,491	2,196	-0,84	-0,81	2,226	signalling,receptor kinases,leucine rich repeat XII	U35_40796
4,65	-0,475	1,03	6,042	-0,336	-0,223	6,155	signalling,receptor kinases,leucine rich repeat XII	U35_11934
1,516	-0,201	0,636	2,826	0,266	-0,208	2,352	signalling,receptor kinases,leucine rich repeat XII	U35_11572
0,867	0,327	0,252	1,19	-0,071	-0,469	0,792	signalling,receptor kinases,leucine rich repeat XII	U35_26010
0,892	0,58	1,712	2,544	-0,365	-0,886	2,023	signalling,receptor kinases,leucine rich repeat XII	U35_40071
0,737	0,773	1,454	2,757	2,51E-04	-1,338	1,419	signalling,receptor kinases,leucine rich repeat XII	U35_27978
1,883	0,113	2,13	3,197	-0,566	0,138	3,901	signalling,receptor kinases,leucine rich repeat XII	U35_9731
1,005	0,383	0,35	1,845	0,451	-0,422	0,973	signalling,receptor kinases,leucine rich repeat XII	U35_37891
1,029	0,493	0,078	1,255	0,549	-0,092	0,615	signalling,receptor kinases,leucine rich repeat XII	U35_2278
1,037	0,589	0,909	1,482	-0,513	-0,637	1,358	signalling,receptor kinases,leucine rich repeat XII	U35_5580
1,26	-0,041	0,878	2,962	0,409	-0,373	2,18	signalling,receptor kinases,leucine rich repeat XII	U35_50572

0,961	-0,027	0,342	1,597	-0,026	-0,294	1,329	signalling,receptor kinases,leucine rich repeat XII	U35_50836
1,071	-0,33	1,097	1,754	-0,217	0,526	2,497	signalling,receptor kinases,leucine rich repeat XII	U35_28799
1,515	-0,089	1,438	2,697	-1,663	-1,318	3,042	signalling,receptor kinases,leucine rich repeat XII	U35_25022
1,14	0,003	-0,223	1,199	0,298	0,013	0,914	signalling,receptor kinases,leucine rich repeat XII	U35_6618
2,626	0,351	2,095	5,524	0,216	-0,939	4,37	signalling,receptor kinases,leucine rich repeat XII	U35_22961
1,889	-0,079	0,802	2,746	-0,307	-0,284	2,769	signalling,receptor kinases,leucine rich repeat XII	U35_48048
0,98	0,559	1,36	1,975	0,351	0,158	1,781	signalling,receptor kinases,leucine rich repeat XII	U35_9493
0,507	-0,139	0,537	0,704	-0,296	0,183	1,183	signalling,receptor kinases,leucine rich repeat XII	U35_41133
1,118	0,623	0,626	1,535	-0,148	-0,563	1,121	signalling,receptor kinases,leucine rich repeat XII	U35_12980
1,203	-0,224	0,472	2,353	-0,08	-0,535	1,898	signalling,receptor kinases,leucine rich repeat XII	U35_48718
2,116	0,11	0,549	3,204	0,237	-0,411	2,555	signalling,receptor kinases,leucine rich repeat XII	U35_43312
1,225	-0,301	0,918	2,576	-0,602	-0,734	2,444	signalling,receptor kinases,leucine rich repeat XII	U35_9881
0,97	1,186	1,777	3,159	0,98	-0,618	1,561	signalling,receptor kinases,leucine rich repeat XII	U35_43410
0,67	0,877	1,105	1,67	0,937	0,164	0,897	signalling,receptor kinases,leucine rich repeat XII	U35_29102
1,395	-0,474	0,899	2,668	-0,64	-0,539	2,768	signalling,receptor kinases,leucine rich repeat XII	U35_12236
2,092	-0,638	0,07	3,586	-0,37	-1,157	2,8	signalling,receptor kinases,leucine rich repeat XII	U35_42098
1,373	0,023	0,319	2,157	0,347	-0,142	1,669	signalling,receptor kinases,leucine rich repeat XII	U35_40698
0,73	0,03	0,162	1,77	0,268	-0,639	0,863	signalling,receptor kinases,leucine rich repeat XII	U35_40828
2,763	0,135	2,167	4,762	-0,331	-0,297	4,795	signalling,receptor kinases,leucine rich repeat XII	U35_26520
1,81	-0,469	1,073	2,494	-0,795	0,063	3,352	signalling,receptor kinases,leucine rich repeat XII	U35_46146
1,834	-0,139	0,812	2,729	-0,448	-0,392	2,785	signalling,receptor kinases,leucine rich repeat XII	U35_26631
1,022	0,147	0,259	1,003	-0,134	-0,004	1,134	signalling,receptor kinases,leucine rich repeat XII	U35_50788
1,368	-0,126	1,878	2,286	-0,582	0,504	3,372	signalling,receptor kinases,leucine rich repeat XII	U35_48424
-0,96	-0,088	-0,743	-0,808	1,15	0,343	-1,615	signalling,receptor kinases,leucine rich repeat XIII	U35_3480
-0,37	-0,263	-1,27	-0,492	0,528	-0,356	-1,376	signalling,receptor kinases,leucine rich repeat XIII	U35_30231
-1,422	-0,202	-0,661	-1,337	0,613	0,069	-1,881	signalling,receptor kinases,leucine rich repeat XIII	U35_3437
-0,805	-0,037	-0,192	-1,142	0,041	0,224	-0,959	signalling,receptor kinases,leucine rich repeat XIII	U35_4169
-0,834	-0,642	-0,18	-1,293	-0,537	0,384	-0,372	signalling,receptor kinases,leucine rich repeat XIII	U35_29838
2,18	0,077	0,544	2,554	-0,785	-0,691	2,647	signalling,receptor kinases,leucine rich repeat XIV	U35_28577
1,216	0,02	0,505	1,849	0,244	0,097	1,701	signalling,receptor kinases,leucine rich repeat XIV	U35_27081
1,131	0,319	0,393	1,608	0,402	-1,36E-04	1,205	signalling,receptor kinases,leucine rich repeat XIV	U35_19774
1,222	-0,521	0,133	1,473	-0,318	0,086	1,876	signalling,receptor kinases,lysine motif	U35_41539
1,838	-0,812	0,855	3,753	0,241	-0,006	3,505	signalling,receptor kinases,lysine motif	U35_32999
1,58	0,125	3,015	4,224	-0,523	-0,277	4,47	signalling,receptor kinases,lysine motif	U35_17962
1,683	0,106	2,726	3,48	-0,617	0,207	4,303	signalling,receptor kinases,lysine motif	U35_17961
0,774	0,378	0,545	1,308	0,275	-0,092	0,941	signalling,receptor kinases,lysine motif	U35_20951
2,687	-0,112	1,142	4,462	0,167	-0,355	3,941	signalling,receptor kinases,lysine motif	U35_10939
1,495	0,215	2,909	5,025	-0,205	-1,041	4,19	signalling,receptor kinases,lysine motif	U35_41141

2,73	-0,39	1,029	4,697	0,242	-0,306	4,149	signalling,receptor kinases,lysine motif	U35_42917
1,063	-0,037	0,318	1,495	0,31	0,233	1,418	signalling,receptor kinases,lysine motif	U35_11550
2,159	-0,018	1,603	3,712	-0,372	-0,304	3,78	signalling,receptor kinases,misc	U35_45104
-1,326	-0,979	-0,683	-1,476	-0,674	-0,229	-1,031	signalling,receptor kinases,misc	U35_48823
1,724	0,589	2,054	2,883	-0,534	-0,229	3,188	signalling,receptor kinases,misc	U35_23373
1,753	-0,468	0,559	3,296	0,122	-0,394	2,78	signalling,receptor kinases,misc	U35_20584
1,692	-0,306	0,894	3,652	-0,122	-0,881	2,892	signalling,receptor kinases,misc	U35_20697
1,192	-0,084	1,17	2,226	-0,724	-0,503	2,447	signalling,receptor kinases,misc	U35_22850
1,042	-0,652	0,76	1,392	-1,078	-0,015	2,455	signalling,receptor kinases,misc	U35_21869
2,351	-0,578	1,549	4,013	-0,514	-0,049	4,478	signalling,receptor kinases,misc	U35_28998
1,441	0,077	1,532	2,823	0,195	0,267	2,896	signalling,receptor kinases,misc	U35_20304
1,56	1,199	0,629	0,879	-0,331	-0,22	0,99	signalling,receptor kinases,misc	U35_28558
-0,653	-0,26	-0,487	-1,014	-0,075	0,06	-0,88	signalling,receptor kinases,misc	U35_7483
2,136	-0,241	-0,228	1,864	-0,23	0,054	2,149	signalling,receptor kinases,misc	U35_12028
1,832	0,008	1,472	3,478	0,108	-0,074	3,296	signalling,receptor kinases,misc	U35_4964
2,329	0,311	0,623	3,99	0,534	-0,815	2,641	signalling,receptor kinases,misc	U35_27416
1,059	-0,489	0,39	1,993	0,037	-0,018	1,938	signalling,receptor kinases,misc	U35_17822
-1,516	-0,431	-0,807	-1,838	-0,267	-0,322	-1,892	signalling,receptor kinases,proline extensin like	U35_27260
-1,489	-0,371	-0,335	-1,869	-0,233	0,183	-1,452	signalling,receptor kinases,proline extensin like	U35_9762
0,645	-0,342	0,349	1,544	0,511	0,302	1,336	signalling,receptor kinases,proline extensin like	U35_13312
0,656	-0,139	0,685	1,767	0,603	0,315	1,479	signalling,receptor kinases,proline extensin like	U35_4484
2,285	-0,18	-0,639	3,351	0,716	-0,808	1,827	signalling,receptor kinases,proline extensin like	U35_20653
1,022	-0,506	-0,094	1,709	0,263	-0,012	1,434	signalling,receptor kinases,RKF3 like	U35_6572
1,948	-0,818	1,112	3,315	-0,18	0,382	3,878	signalling,receptor kinases,S-locus glycoprotein like	U35_11938
1,425	0,502	1,263	2,343	-0,097	-0,253	2,186	signalling,receptor kinases,S-locus glycoprotein like	U35_26561
0,424	-0,351	-0,117	1,178	0,278	-0,243	0,658	signalling,receptor kinases,S-locus glycoprotein like	U35_42670
2,4	1,13	3,192	4,824	-0,317	-0,679	4,462	signalling,receptor kinases,S-locus glycoprotein like	U35_10585
2,778	1,071	3,812	5,897	-0,312	-0,69	5,519	signalling,receptor kinases,S-locus glycoprotein like	U35_20518
0,77	-0,189	-0,598	1,752	0,777	-0,614	0,361	signalling,receptor kinases,S-locus glycoprotein like	U35_25759
0,41	-0,217	0,357	1,419	0,179	-0,257	0,983	signalling,receptor kinases,S-locus glycoprotein like	U35_5957
-0,528	-0,178	-0,916	-0,856	0,385	-0,025	-1,266	signalling,receptor kinases,S-locus glycoprotein like	U35_35064
1,788	0,353	2,635	4,452	-0,54	-0,922	4,069	signalling,receptor kinases,S-locus glycoprotein like	U35_22792
2,517	-0,4	2,282	5,723	0,337	-0,188	5,198	signalling,receptor kinases,S-locus glycoprotein like	U35_11720
0,106	1,128	2,068	1,156	-0,569	-0,679	1,046	signalling,receptor kinases,S-locus glycoprotein like	U35_23636
2,716	1,205	-0,598	1,271	-0,542	-0,9	0,913	signalling,receptor kinases,S-locus glycoprotein like	U35_48112
1,389	-0,613	0,14	2,549	0,031	-0,376	2,142	signalling,receptor kinases,S-locus glycoprotein like	U35_12070
1,198	0,087	0,62	1,37	0,346	0,707	1,731	signalling,receptor kinases,S-locus glycoprotein like	U35_28939
0,757	0,176	1,107	1,985	0,13	-0,166	1,689	signalling,receptor kinases,S-locus glycoprotein like	U35_28931
0,877	0,076	0,355	1,282	-0,036	-0,162	1,156	signalling,receptor kinases,S-locus glycoprotein like	U35_8461
0,84	-0,371	0,422	1,679	0,159	0,114	1,634	signalling,receptor kinases,S-locus glycoprotein like	U35_7597

1,622	0,594	1,179	3,252	0,145	-0,9	2,207	signalling,receptor kinases,S-locus glycoprotein like	U35_5258
1,277	0,401	1,74	4,045	0,142	-1,287	2,616	signalling,receptor kinases,S-locus glycoprotein like	U35_5257
2,696	-0,104	2,295	5,715	0,127	-0,492	5,096	signalling,receptor kinases,S-locus glycoprotein like	U35_6050
1,149	0,015	0,911	1,924	-0,039	0,082	2,045	signalling,receptor kinases,S-locus glycoprotein like	U35_30319
0,638	0,12	0,52	2,474	1,398	-0,038	1,038	signalling,receptor kinases,S-locus glycoprotein like	U35_5860
0,966	0,216	-0,017	1,318	0,619	0,034	0,733	signalling,receptor kinases,S-locus glycoprotein like	U35_22259
1,245	-0,73	0,105	2,656	0,39	-0,186	2,08	signalling,receptor kinases,S-locus glycoprotein like	U35_27202
0,727	-0,045	0,417	1,399	0,343	0,134	1,19	signalling,receptor kinases,thaumatin like	U35_16133
1,76	-0,042	1,618	4,199	-0,003	-0,782	3,419	signalling,receptor kinases,thaumatin like	U35_33322
0,71	0,449	0,503	1,054	0,019	-0,271	0,764	signalling,receptor kinases,thaumatin like	U35_18907
0,732	0,525	0,432	1,072	-0,1	-0,533	0,639	signalling,receptor kinases,thaumatin like	U35_18906
0,848	1,298	2,093	2,194	-0,577	-1,127	1,643	signalling,receptor kinases,wall associated kinase	U35_1700
1,158	0,984	2,601	3,322	-0,939	-1,485	2,776	signalling,receptor kinases,wall associated kinase	U35_5050
1,115	0,698	1,797	2,964	-1,171	-1,922	2,213	signalling,receptor kinases,wall associated kinase	U35_18141
1,724	-0,253	-0,096	1,599	-0,287	-0,004	1,882	signalling,receptor kinases,wall associated kinase	U35_33950
2,043	-0,359	0,703	3,084	0,015	0,037	3,106	signalling,receptor kinases,wall associated kinase	U35_20283
1,452	1,378	2,171	2,35	-1,639	-1,743	2,245	signalling,receptor kinases,wall associated kinase	U35_21250
2,28	-0,058	1,142	5,036	0,285	-1,272	3,479	signalling,receptor kinases,wall associated kinase	U35_23415
1,821	0,046	0,584	2,656	-0,518	-0,817	2,358	signalling,receptor kinases,wall associated kinase	U35_40281
1,81	0,963	2,523	2,69	-1,457	-0,776	3,37	signalling,receptor kinases,wall associated kinase	U35_50253
-0,305	1,442	1,963	-0,033	-0,64	-0,391	0,217	signalling,receptor kinases,wall associated kinase	U35_48519
1,282	1,334	2,13	3,458	-0,727	-2,107	2,078	signalling,receptor kinases,wall associated kinase	U35_12191
1,156	0,45	1,748	2,997	-1,343	-1,886	2,455	signalling,receptor kinases,wall associated kinase	U35_18143
1,45	-0,244	0,569	1,282	-0,563	0,417	2,263	signalling,receptor kinases,wall associated kinase	U35_8232
1,402	0,63	1,373	2,823	-0,439	-1,118	2,144	signalling,receptor kinases,wall associated kinase	U35_17988
0,514	-0,01	0,478	0,992	-0,528	-0,518	1,002	signalling,receptor kinases,wall associated kinase	U35_27815
1,236	0,929	2,369	2,618	-1,098	-1,04	2,676	signalling,receptor kinases,wall associated kinase	U35_23033
1,851	0,325	1,919	3,029	-0,318	0,099	3,446	signalling,receptor kinases,wall associated kinase	U35_40100
2,241	0,16	2,455	3,669	-0,931	-0,064	4,536	signalling,receptor kinases,wall associated kinase	U35_50240
2,312	-0,374	1,423	3,803	-0,528	-0,222	4,109	signalling,receptor kinases,wall associated kinase	U35_39851
0,703	2,627	2,066	-0,572	-1,573	-0,859	0,142	signalling,receptor kinases,wall associated kinase	U35_9890
1,465	0,315	0,742	2,222	-0,046	-0,375	1,893	signalling,receptor kinases,wall associated kinase	U35_20112
0,547	0,205	1,004	0,69	0,28	0,936	1,347	signalling,receptor kinases,wall associated kinase	U35_29199
0,579	0,059	0,791	1,294	-1,108	-1,091	1,31	signalling,receptor kinases,wall associated kinase	U35_28171
0,356	0,932	0,618	0,966	-0,326	-1,251	0,042	signalling,receptor kinases,wall associated kinase	U35_1699
0,503	1,177	1,672	1,939	-0,331	-1,271	0,999	signalling,receptor kinases,wall associated kinase	U35_1698
1,486	0,42	0,302	2,405	0,21	-0,827	1,368	signalling,receptor kinases,wall associated kinase	U35_29072

1,701	0,557	0,346	2,811	0,447	-0,875	1,49	signalling,receptor kinases,wall associated kinase	U35_9281
1,705	0,627	1,147	2,162	0,116	0,179	2,225	signalling,receptor kinases,wall associated kinase	U35_6363
0,717	0,97	0,921	2,02	0,386	-0,965	0,669	signalling,receptor kinases,wall associated kinase	U35_21380
2,276	-0,06	1,792	4,723	0,041	-0,554	4,128	signalling,receptor kinases,wheat LRK10 like	U35_39679
1,24	-0,269	0,477	1,83	-0,133	0,023	1,987	signalling,receptor kinases,wheat LRK10 like	U35_3269
1,41	0,414	0,513	2,226	0,237	-0,48	1,509	signalling,receptor kinases,wheat LRK10 like	U35_3268
1,706	0,957	0,486	2,049	0,116	-0,698	1,236	signalling,receptor kinases,wheat LRK10 like	U35_39969
0,088	1,176	0,024	-0,716	0,119	-0,229	-1,065	signalling,receptor kinases,wheat LRK10 like	U35_5409
0,841	-0,126	0,135	0,95	-0,119	0,034	1,103	signalling,receptor kinases,wheat LRK10 like	U35_13285
0,471	0,03	0,302	1,348	0,715	0,109	0,742	signalling,receptor kinases,wheat LRK10 like	U35_3907
1,398	2,305	1,68	1,291	1,676	1,159	0,774	signalling,receptor kinases,wheat LRK10 like	U35_27772
1,1	0,26	1,892	3,274	-0,187	-0,728	2,732	signalling,receptor kinases,wheat LRK10 like	U35_30378
1,933	0,203	2,171	4,845	0,344	-0,601	3,9	signalling,receptor kinases,wheat LRK10 like	U35_2174
0,72	0,77	2,023	2,651	0,301	-0,378	1,972	signalling,receptor kinases,wheat LRK10 like	U35_43714
1,109	0,341	1,066	2,904	0,56	-0,509	1,835	signalling,receptor kinases,wheat LRK10 like	U35_16766
1,424	-0,363	3,084	4,98	-0,043	-0,152	4,871	signalling,receptor kinases,wheat LRK10 like	U35_27939

* DUF 26, domain of unknown function 26, Cys-rich, stress/Antifungal receptor-like protein kinase; S-locus, Bulb-type lectin S-receptor-like; LRK10, leaf rust resistance 10

Table S2. Normalized signal intensities of 113 genes that are significantly regulated by *Bgh*-inoculation in the WT (12 hpi) and significantly and oppositely regulated by both transgenes (CA *RACB* [OE] and *RACB* RNAi [RNAi]) when compared to WT (12 h). Of 2015 genes regulated by CA *RACB* without *Bgh* (see Table 1), 142 were oppositely regulated by *RACB* RNAi without *Bgh*. Of these 142 genes, 113 were also significantly regulated by *Bgh* in the WT. (FDR corr. P-value <0.05, cutoff 2-fold up- or down-regulation). All genes have been manually re-annotated after BLAST.

Mean normalized signal intensity							
WT mock	WT Bgh	OE mock	OE Bgh	RNAi mock	RNAi Bgh	Description HARVEST 35	Annotation
-0,97806145	0,22999263	2,67163018	3,20610827	-2,02530263	-0,37554526	U35_9462	Ent-copalyl diphosphate synthase
-2,0018368	0,22187375	1,74671816	2,75830427	-3,13930698	-0,58659972	U35_5757	Laccase 11
-1,62705705	0,50552082	1,69515991	2,4913753	-2,89414183	-0,51492358	U35_2025	Cys-rich protein
-1,9513974	0,23973441	1,66792345	2,46447917	-3,53006055	-1,07327199	U35_10720	Cys-rich, stress/Antifungal receptor-like protein kinase
-1,16510749	0,47138358	1,66675928	2,73774467	-2,25709523	-0,2632308	U35_21465	Unknown protein
-2,2201791	0,14923382	1,6448729	2,6000611	-3,57845475	-0,53040146	U35_1762	Auxin induced protein 12-like
-1,08662865	0,12226248	1,62063885	2,3913657	-2,26031233	-0,29916108	U35_48104	Phosphatase DCR2
-1,56117295	0,01709008	1,4244193	2,25729833	-2,8351679	-0,04329574	U35_43536	HvWRKY45
-2,0134702	0,40260971	1,15010455	2,24391393	-3,0178368	-0,58883929	U35_11525	Unknown protein
-1,11153315	0,41560029	1,10493063	1,82205773	-2,19974993	-0,16009724	U35_26695	Palmitoyl-protein thioesterase 1
-1,3538494	0,21111345	0,93688321	1,61974557	-2,49207093	-0,31536531	U35_15620	Chitinase
-1,31216715	0,93296457	0,85901761	2,3111067	-3,05531148	-0,70564985	U35_21250	Wall-associated kinase
-1,04935262	0,4028473	0,83172894	1,90769133	-2,0807691	-0,2841518	U35_603	Double-stranded RNA-binding protein 1-like
-1,62065795	0,26959968	0,78660048	1,9343872	-4,01733265	-2,32847548	U35_24054	COPINE protein
-1,34489633	0,29845835	0,74839617	1,59661133	-2,47232485	-0,27838516	U35_1700	Wall-associated kinase
-1,13555362	0,26025153	0,72948265	1,5354754	-2,13803055	-0,27119923	U35_20068	Potassium transporter, putative
-2,0633159	-0,05856109	0,68873716	2,1142413	-3,1288271	-0,09095049	U35_25548	Protein of unknown function

-0,52609014	0,48814298	0,6555419	1,6595858	-1,59739173	-0,03958595	U35_48528	Bulb-type lectin S-receptor-like serine/threonine-protein kinase
-2,30269195	0,260849	0,65104366	1,6262655	-3,38967445	-0,09335114	U35_19740	Unknown protein
-1,9442942	0,12287951	0,62335349	1,69054413	-3,28598513	-0,29094576	U35_26745	U-box domain-containing protein
-1,67265965	0,40513707	0,45714903	1,7394101	-3,77918043	-0,32157755	U35_12191	Wall-associated kinase
-2,2244582	0,54697633	0,41018724	2,0484874	-3,23863245	-0,58870853	U35_43411	SAR1-like GTPase
-2,42439935	0,04877329	0,40281607	1,46954503	-3,71244895	-0,22519685	U35_40359	Unknown protein
-1,5579245	0,26528096	0,34602095	1,87623723	-2,62354063	-0,28481627	U35_30433	Unknown protein
-3,84629485	1,07757258	0,34540486	1,6827377	-5,36958015	-0,82056808	U35_15510	LRR Protein
-1,426137	0,24906134	0,3452835	1,27108763	-2,88244583	-0,44520722	U35_27010	AP2 domain-containing transcription factor
-2,31211805	0,42930913	0,29559802	1,67951903	-3,73645718	-0,46114265	U35_20630	Embryogenesis transmembrane protein-like
-2,0947988	-0,1049192	0,27237189	1,46970243	-3,60376428	-0,37571086	U35_11893	Cation/H+ exchanger 19 LENGTH=800
-0,9718158	0,15352715	0,26329243	0,96646261	-2,03975675	-0,11658263	U35_16041	Secreted peroxidase OsPRX51-like
-0,7528286	0,43872476	0,24908651	1,25746263	-1,9096445	-0,14509201	U35_4958	Protein of unknown function (DUF1218)
-1,65550995	-0,0731709	0,2383616	1,26849363	-3,07127198	-0,0479387	U35_9814	Bulb-type lectin S-receptor-like serine/threonine-protein kinase
-1,32633995	0,30285287	0,21361136	0,75774065	-2,59521058	0,0574193	U35_41681	Glutamate decarboxylase
-1,2237525	0,41754341	0,18680763	1,14668623	-2,32484305	0,16617966	U35_14142	Glutamate decarboxylase
-1,43174985	0,17729187	0,18130279	1,03486918	-2,71051003	-0,3018179	U35_949	Protein of unknown function
-1,6662226	0,20896995	0,17909562	0,94378695	-3,16043798	-0,2572589	U35_16564	Calmodulin-like protein
-2,4237001	0,35213852	0,17760587	1,3357026	-3,9086032	-0,58661126	U35_5050	Wall-associated kinase
-2,1202693	0,29784392	0,16861177	1,79052673	-3,39198493	-0,60338044	U35_19716	Unknown protein
-2,06410145	0,14461613	0,15885341	1,08483537	-3,45301828	0,36047101	U35_25828	Unknown protein
-1,29901167	0,11954284	0,1552639	0,89271991	-2,63684415	0,11979365	U35_27978	LRR-receptor-like kinase
-3,22690225	0,07524181	0,15017271	1,6361831	-4,41571045	-0,21183611	U35_6982	U-box protein AtPUB21-like
-1,50608065	0,72615073	0,14810026	1,2629684	-2,9318896	-0,42799961	U35_23760	Protein of unknown function
-1,46236298	0,31376719	0,13833416	0,56482983	-2,80284763	-0,27779495	U35_10619	Ammonium transporter
-1,30112815	0,25231552	0,13655329	1,33211613	-2,35098293	0,11502576	U35_3466	Polygalacturonase
-2,8099456	0,41289783	0,12559533	1,02479523	-4,38455845	-0,04546261	U35_22055	Cytochrome P450
-2,1848669	0,80320309	0,12388039	1,1982625	-3,57228085	-0,18544126	U35_15508	LRR Protein
-3,592832	0,14888	0,11065293	1,5815255	-4,74800553	-0,54279137	U35_35513	Unknown protein
-1,70258095	0,17490936	0,10292697	0,82672373	-2,84492423	0,33107758	U35_774	HvPR4
-2,55267665	0,38662696	0,05639911	0,96861491	-3,83101438	-0,13639473	U35_15829	PR10-like
-2,32470605	0,84860062	0,03008509	1,3586073	-3,61126393	0,26261079	U35_24669	Long-chain-fatty-acid-CoA ligase
-1,6582837	0,14529073	0,02174033	1,40886977	-3,15692235	-0,25363208	U35_48052	Cytochrome P450
-2,78069925	0,22452796	0,01788294	1,39398223	-4,01383223	0,0333401	U35_24248	MATE transporter
-1,23720405	0,2984488	0,01595402	1,12491035	-2,27392983	0,1019814	U35_5546	Calmodulin, putative
-1,71364545	0,38274073	0,01116204	0,89872267	-2,87591643	0,36173774	U35_2397	Lipid sensing domain protein
-2,76036215	0,16794205	-0,00195909	0,87631609	-3,9106045	-0,17267869	U35_15826	PR10-like
-1,62291625	0,06203342	-0,01819801	0,89984352	-2,69772573	0,08614409	U35_23361	Legume lectin receptor-like kinase
-1,53482438	0,46284461	-0,09234488	1,40250683	-2,6968626	-0,18462707	U35_8642	CC NBS Disease resistance protein
-1,75197075	0,22206545	-0,09917331	0,99958801	-3,52172743	0,04693722	U35_41435	Legume lectin receptor-like kinase
-2,39732215	0,29265261	-0,10992122	0,90674656	-3,8587383	0,11037612	U35_25247	Plant_lipase/esterase_like
-3,0684736	0,4213078	-0,12660456	1,2810971	-4,77423708	0,85317515	U35_18411	MLO-like protein/MLO3
-1,44999505	0,73925591	-0,13971448	1,14757347	-2,7585355	-0,15857458	U35_34887	Protein of unknown function
-1,98082015	0,89207388	-0,15331126	1,16032347	-3,39514305	0,85667467	U35_249	Plant basic secretory protein

-2,9597592	0,28198624	-0,16247606	0,95613449	-4,5295639	-0,336514	U35_18944	Germin-like protein
-3,5842695	0,82424568	-0,17860937	1,1103608	-4,87506363	0,00885557	U35_15828	HvPR10
-2,7188063	0,64591313	-0,18060088	1,02473387	-3,7463419	0,1700313	U35_50221	Secreted peroxidase
-2,96348785	0,37481284	-0,19079685	1,03407573	-4,340596	-0,04387353	U35_14625	HXXXD-type acyl-transferase family protein LENGTH=428
-2,32513665	0,62081839	-0,2760396	1,09480638	-3,46402005	0,45582605	U35_3901	Protein of unknown function (DUF2921)
-2,2472649	0,43681478	-0,28214478	0,88196531	-3,52736495	-0,01205683	U35_14518	Cys-rich protein
-2,6042709	0,26700473	-0,30304385	0,98048243	-3,60722785	0,22767067	U35_34422	Malectin receptor-like kinase
-3,25997585	1,48725654	-0,30391788	1,2421767	-5,23107243	0,10463214	U35_25908	Calmodulin-like protein
-2,3016038	2,14494185	-0,30704427	1,692393	-4,01646425	1,21810127	U35_5202	Unknown protein
-2,39444205	1,5331378	-0,34588765	1,2367716	-4,28876595	0,49383068	U35_23723	AAA ATPase domain containing protein
-2,12764355	0,48813224	-0,38754725	0,88928318	-3,41437055	0,63051055	U35_5257	Bulb-type lectin S-receptor-like serine/threonine-protein kinase
-1,58412455	0,93858601	-0,39791775	1,08201663	-2,69987465	0,51924705	U35_17226	Glutathione S-transferase
-2,2299044	0,39329863	-0,41363263	1,0537993	-3,257975	0,18689514	U35_150	WIR1-like
-1,7151179	0,79295062	-0,43966364	1,08143807	-2,71961135	0,45200277	U35_40027	Glutathione S-transferase
-4,00755165	0,49513341	-0,45475149	1,16607667	-5,5010425	0,17090225	U35_9635	Legume lectin receptor-like kinase
-2,28106975	0,43505287	-0,47090483	0,99306489	-3,51841495	0,59263873	U35_5259	Bulb-type lectin S-receptor-like serine/threonine-protein kinase
-2,5026887	1,0538609	-0,5035019	1,17170682	-3,7901277	0,89576744	U35_9620	Heat stress transcription factor A-4a
-1,87027785	0,14789724	-0,53681206	0,61007373	-3,00948405	0,14277864	U35_9926	Glutamate receptor-like
-3,4609168	1,01521705	-0,61522244	1,53206857	-5,22329598	0,6015588	U35_27106	Wall-associated kinase
-2,21114775	0,94618847	-0,61883783	1,06263765	-3,51241898	0,74093509	U35_6585	Hexose transporter
-3,5306239	0,65904044	-0,62112689	0,87392299	-4,57178753	0,45362996	U35_41141	LysM receptor-like kinase, AtCERK1-like
-3,2319288	0,73607491	-0,63473034	1,37689397	-4,4785609	0,7306831	U35_8212	ABC transporter
-1,7524838	0,73802591	-0,67791318	0,69885316	-2,86382248	0,60644556	U35_44375	RING finger protein
0,39269496	-0,16500748	-0,70374297	-1,620379	2,12887908	0,59928441	U35_1073	Expansin
-2,71181275	0,89075279	-0,83473278	0,74206767	-3,9155437	0,84870268	U35_1119	Proteolipid membrane potential modulator
-3,0021958	0,73987054	-0,85557604	1,55157723	-4,0086456	1,1282022	U35_9588	ATP-dependent zinc metalloprotease FtsH 2
-2,0892217	0,33453285	-0,88295209	0,63243756	-3,24793415	0,7911656	U35_41226	Serine/threonine protein kinase
1,15202475	-1,37336183	-1,16700663	-1,75205437	4,84561253	3,82599213	U35_19157	Beta-hexosaminidase, putative
-3,0879545	0,69959926	-1,17073393	0,55485375	-4,11705015	0,72141483	U35_1120	Proteolipid membrane potential modulator
-3,10625675	0,65341999	-1,25715317	1,0230252	-4,78041628	0,75841047	U35_19948	1-aminocyclopropane-1-carboxylate synthase
-3,291379	1,43720818	-1,28886973	0,94304546	-4,33422778	0,92136408	U35_40297	Phospholipid-transporting ATPase 1-like
-2,4162717	0,43233538	-1,29340768	0,59986242	-3,49306118	0,8009262	U35_20192	Glutathione-S-transferase
-3,4395719	0,98417615	-1,37175346	0,48734474	-5,2908965	1,07974599	U35_14345	Secreted peroxidase
-3,13542725	0,60508824	-1,46108875	0,29350519	-4,6137059	0,7113496	U35_26211	Cys-rich, stress/Antifungal receptor-like protein kinase
-3,3646512	0,81779518	-1,5070076	1,291714	-4,5839815	0,89170981	U35_42222	ABC transporter ATP-binding protein
-3,1705952	1,09233594	-1,53496575	0,37702847	-5,3214403	1,12422873	U35_16231	Subtilase
-3,2618208	0,43550372	-1,6643548	0,23754565	-4,5098264	0,44488669	U35_10046	Trichome birefringence-like; PMR5-like
-3,89990305	0,36033035	-1,7026844	0,27927367	-5,21496335	0,33080173	U35_13330	Matrix metalloproteinase
-5,0261409	0,73857068	-1,71741843	0,41153908	-6,03543495	0,1561265	U35_9455	Protein kinase-like domain containing protein
-3,9303562	1,04212522	-1,80474018	0,34535409	-4,95640168	0,86130404	U35_42427	Protein of unknown function
-4,16886495	0,75282477	-1,81155339	0,17110952	-5,2735621	0,35402013	U35_6104	Domain of unknown function (DUF23)
-3,43934965	0,54189944	-1,83578633	0,13857429	-4,62081715	0,53159667	U35_5423	2-succinylbenzoate-CoA ligase

-3,62629555	0,64253116	-1,8959625	0,14435578	-4,89974155	0,4398756	U35_29940	Acyl carrier protein
-3,1280727	1,30847575	-1,90753638	0,17269102	-4,29177435	0,9661429	U35_48525	MAP Kinase (AtMPK15-like)
-3,123281	0,35598803	-1,9816437	0,29827086	-4,39487383	0,64069938	U35_23415	Wall-associated kinase
-3,64134125	0,21949125	-2,01347443	0,20399507	-4,6829215	0,58530676	U35_6100	Cys-rich, stress/Antifungal receptor-like protein kinase
-3,5543904	1,03041411	-2,01578335	0,462183	-4,80104875	0,71204375	U35_15131	Bifunctional polymyxin resistance protein ArnA
-3,85129215	0,48919296	-2,04394223	0,51187833	-4,93696808	1,13269305	U35_40770	HvWRKY43
-3,97766535	0,88852905	-2,36824843	0,35053443	-5,4736372	0,93784619	U35_20965	Chitinase
-5,24205445	0,78661586	-2,72379353	0,1383222	-6,40098568	0,57473136	U35_11038	Serine/threonine protein kinase
-4,5100112	0,77565051	-3,29398588	0,13606071	-5,53451203	0,50704314	U35_18546	Elicitor-responsive protein 1 putative
-4,88503055	2,1416042	-3,38757995	1,1347955	-6,5805429	1,51044917	U35_14951	Germin Ger4
