

S1 Table. Comparison of signal intensities of the top 20 up-regulated defense-related genes in leaves of the mild chlorosis line with those of severe chlorosis and type III necrosis lines.

Probe name	Annotation	Ratio of mild chlorosis to WT	Ratio of severe chlorosis to WT	Ratio of type III necrosis to WT
ncbi_gi_1323745_269	sulfur-rich/thionin-like protein	10225.59	20803.66	1317.12
whsh_allContig982	chitinase (Chi2)	4936.52	1257.91	1989.57
wheat0130Contig6216	chitinase 3	159.45	136.05	112.02
rwsh11j09	Haem peroxidase, plant/fungal/bacterial family protein	87.75	75.46	46.96
wheat0130Contig10974	pathogenesis-related protein 1	67.26	210.04	102.12
MUGEST2003_23lib_Contig19505_653	Atlas PR17d precursor	56.75	16.22	17.63
MUGEST2003_23lib_Contig8431_1180	hypersensitive-induced response protein	56.23	96.16	206.07
wheat0130Contig7181	WIR1, pathogen defense protein	54.11	44.81	9.21
rwhe18a08	peroxidase 63 precursor	49.93	23.70	6.34
wheat0130Contig9475	d6 pathogenesis-related protein 6 (pr6)	49.73	81.71	371.41
MUGEST2003_23lib_Contig5123_104	peroxidase 1 precursor	48.06	41.61	32.70
MUGEST2003_23lib_Contig14776_137	disease resistance response protein	39.74	0.45	0.98
wheat0130Contig5942	chi gene for endochitinase	35.21	63.18	28.88
whh10h15	Plant disease resistance response protein	31.98	0.78	0.68
wheat0130Contig9215	wPR4a	31.03	45.35	30.74
rwhe8d06	lipase class 3 family protein	30.93	2.86	3.12
wheat0130Contig2348	PR-1.1 protein	26.59	29.89	28.97
whsh_allContig784	iron/ascorbate-dependent oxidoreductase	23.32	38.14	1.53
wheat0130Contig5066	Flavonol 4'-sulfotransferase	21.40	53.95	14.19
MUGEST2003_23lib_Contig18595_1325	CYP72C-TA cytochrome P450	21.28	17.23	11.36