

Table 1: Sequences selected for the final dataset of PR-8

Accession	Entry name	Length	Weight	Species	Gene name	Protein name	PE	Date
B5M495	B5M495.VITVI	297 AA	31859 Da	<i>Vitis vinifera</i>	ChiFIII	Class III chitinase	3	14-OCT-2008
P51614	CHI3.VITVI	301 AA	32351 Da	<i>Vitis vinifera</i>	CHI3	Acidic endochitinase	2	01-OCT-1996
Q84S31	Q84S31.VITVI	297 AA	31890 Da	<i>Vitis vinifera</i>		Chitinase III	3	01-JUN-2003
Q9FS44	Q9FS44.VITVI	297 AA	31848 Da	<i>Vitis vinifera</i>	chit3	Chitinase	3	01-MAR-2001
P23472	CHLY.HEVBR	311 AA	33718 Da	<i>Hevea brasiliensis</i>		Hevamine-A	1	15-MAY-2002
Q71HN4	Q71HN4.FICAW	292 AA	31571 Da	<i>Ficus awkeotsang</i>		Acidic chitinase	2	05-JUL-2004
P19172	CHIA.RATH	302 AA	33097 Da	<i>Arabidopsis thaliana</i>	CHIB1	Acidic endochitinase	2	10-JAN-2003
Q8LP09	Q8LP09.ARALP	302 AA	33117 Da	<i>Arabidopsis lyrata</i>	ChiA	Acidic endochitinase	3	01-OCT-2002
Q8L4Q9	Q8L4Q9.ARAGE	302 AA	33128 Da	<i>Arabidopsis gemmifera</i>	ChiA	Acidic chitinase	3	01-OCT-2002
Q8LP01	Q8LP01.ARAGE	302 AA	33156 Da	<i>Arabidopsis gemmifera</i>	ChiA	Acidic endochitinase	3	01-OCT-2002
Q8L4Q8	Q8L4Q8.ARAGE	302 AA	33129 Da	<i>Arabidopsis gemmifera</i>	ChiA	Acidic chitinase	3	01-OCT-2002
Q8LP04	Q8LP04.ARAGE	302 AA	33142 Da	<i>Arabidopsis gemmifera</i>	ChiA	Acidic endochitinase	3	01-OCT-2002
Q8LP02	Q8LP02.ARAGE	302 AA	33128 Da	<i>Arabidopsis gemmifera</i>	ChiA	Acidic endochitinase	3	01-OCT-2002
O22076	O22076.9BRAS	302 AA	33113 Da	<i>Arabidopsis kawasakiana</i>	ChiA	Acidic endochitinase	3	01-JAN-1998
O22074	O22074.ARAGE	302 AA	33117 Da	<i>Arabidopsis gemmifera</i>		Acidic endochitinase	3	01-JAN-1998
Q8LP06	Q8LP06.ARAKO	302 AA	33111 Da	<i>Arabidopsis korschinskyi</i>	ChiA	Acidic endochitinase	3	01-OCT-2002
A2TJX5	A2TJX5.GOSHI	298 AA	31641 Da	<i>Gossypium hirsutum</i>	achi	Acidic chitinase	2	06-MAR-2007
Q43684	Q43684.VIGUN	297 AA	32101 Da	<i>Vigna unguiculata</i>	CHI3b	Basic chitinase class 3	2	01-NOV-1996
Q9SC03	Q9SC03.TRIRP	298 AA	32251 Da	<i>Trifolium repens</i>		Chitinase	2	01-JUN-2001
Q8H6X7	Q8H6X7.CAPAN	295 AA	32308 Da	<i>Capsicum annuum</i>	Chi3-P1	Class III chitinase	3	01-MAR-2003
Q8H6X6	Q8H6X6.CAPAN	295 AA	32322 Da	<i>Capsicum annuum</i>	Chi3-P1	Class III chitinase	3	01-MAR-2003
Q8GRR2	Q8GRR2.CAPAN	295 AA	32324 Da	<i>Capsicum annuum</i>	Chi3-P1	Class III chitinase	3	01-MAR-2003
Q9SP41	Q9SP41.BENHI	301 AA	32652 Da	<i>Benincasa hispida</i>	Chib1	Class III chitinase	3	01-MAY-2000
O49827	O49827.LORYSJ	305 AA	32203 Da	<i>Oryza sativa</i>	Os01g0860500	cDNA clone:001-007-A04	2	01-JUN-1998
O41139	O41139.LORYSJ	305 AA	32261 Da	<i>Oryza sativa</i>	OsChib3b	Basic class III chitinase	2	01-JAN-1998
B6TVA3	B6TVA3.MAIZE	328 AA	34023 Da	<i>Zea mays</i>		Hevamine-A	2	16-DEC-2008
Q8LST3	Q8LST3.PHYAM	301 AA	32328 Da	<i>Phytolacca americana</i>	plcb	Chitinase	2	01-OCT-2002
Q00MX4	Q00MX4.MALDO	299 AA	31757 Da	<i>Malus domestica</i>		Pathogenesis-related protein 8	2	14-NOV-2006
B9VQ33	B9VQ33.PYRYP	298 AA	31377 Da	<i>Pyrus pyrifolia</i>		Class III chitinase	2	24-MAR-2009
Q9SXM5	Q9SXM5.SOVBN	298 AA	31867 Da	<i>Glycine max</i>	chib1-a	Acidic chitinase	3	01-MAY-2000
Q9S7G9	Q9S7G9.SOVBN	299 AA	31599 Da	<i>Glycine max</i>	chib1-b	Acidic chitinase	2	01-MAY-2000
Q43098	Q43098.PSOTE	298 AA	31557 Da	<i>Psophocarpus tetragonolobus</i>		Chitinase	2	01-NOV-1996
Q9XHC3	Q9XHC3.9FABA	294 AA	31393 Da	<i>Sphenostylis stenocarpa</i>	Chit	Class III chitinase	2	01-NOV-1999
P29024	CHIA.PHAAN	298 AA	31702 Da	<i>Phaseolus angularis</i>		Acidic endochitinase	2	01-DEC-1992
P36908	CHIA.CICAR	293 AA	31230 Da	<i>Cicer arietinum</i>		Acidic endochitinase	2	01-JUN-1994
Q9XGB4	Q9XGB4.TRIRP	298 AA	31340 Da	<i>Trifolium repens</i>		Chitinase	2	01-JUN-2001
P29060	CHIA.TOBAC	291 AA	31283 Da	<i>Nicotiana tabacum</i>		Acidic endochitinase	1	01-DEC-1992
P36910	CHIE.BETU	293 AA	30729 Da	<i>Beta vulgaris</i>	SE2	Acidic endochitinase SE2	1	01-JUN-1994
Q9FUD7	Q9FUD7.MALDO	299 AA	31620 Da	<i>Malus domestica</i>	Chil	Class III acidic chitinase	3	01-MAR-2001
Q19AL0	Q19AL0.PANGI	298 AA	31422 Da	<i>Panax ginseng</i>		Class III chitinase	2	11-JUL-2006

Table 2: Sequences selected for the final dataset of PR08

Accession	Entry name	Length	Weight	Species	Gene name	Protein name	PE	Date
AlYTJ5	AlYTJ5.CASGL	298 AA	32227 Da	<i>Casuarina glauca</i>		Class III chitinase	2	06-FEB-2007
Q6XD74	Q6XD74.MEDTR	298 AA	31744 Da	<i>Medicago truncatula</i>	chiIII-3	Class III chitinase	3	05-JUL-2004
Q9XF93	Q9XF93.FRAAN	299 AA	31606 Da	<i>Fragaria ananassa</i>	chi3	Chitinase	3	01-NOV-1999
Q84U85	Q84U85.REHGL	294 AA	31626 Da	<i>Rehmannia glutinosa</i>		Acidic class III chitinase	2	01-JUN-2003
Q09Y38	Q09Y38.CITLA	291 AA	30722 Da	<i>Citrullus lanatus</i>		Acidic class III chitinase	2	17-OCT-2006
Q94502	Q94502.TRIKI	292 AA	30896 Da	<i>Trichosanthes kirilowii</i>		Chitinase 3-like protein	3	01-DEC-2001
Q9SQI0	Q9SQI0.CUCMO	287 AA	30250 Da	<i>Cucurbita moschata</i>	PLC	Chitinase	2	01-MAY-2000
P17541	CHIA.CUCSA	292 AA	30774 Da	<i>Cucumis sativus</i>		Acidic endochitinase	1	01-AUG-1990
Q9M544	Q9M544.CUCME	292 AA	30785 Da	<i>Cucumis melo</i>		Chitinase 1	2	01-OCT-2000
Q39656	Q39656.CUCSA	323 AA	34563 Da	<i>Cucumis sativus</i>	ORF 1	Chitinase 1	3	01-NOV-1996
Q39657	Q39657.CUCSA	298 AA	31893 Da	<i>Cucumis sativus</i>	ORF 3	ORF 3	3	01-NOV-1996
Q06SNO	Q06SNO.9CARY	292 AA	31107 Da	<i>Nepenthes rafflesiana</i>		Acid chitinase	2	31-OCT-2006
B3A042	B3A042.ANACO	293 AA	30411 Da	<i>Ananas comosus</i>	plchiA	Chitinase A	2	22-JUL-2008
P93518	P93518.MAIZE	294 AA	30118 Da	<i>Zea mays</i>	PRM 3	Chitinase	2	01-MAY-1997
Q7XZD6	Q7XZD6.9LILI	314 AA	33826 Da	<i>Dioscorea polystachya</i>		Chitinase	3	01-OCT-2003
P29061	CHIB.TOBAC	294 AA	32393 Da	<i>Nicotiana tabacum</i>		Basic endochitinase	2	01-DEC-1992
Q9ZSR4	Q9ZSR4.MESCR	295 AA	31801 Da	<i>Mesembryanthemum crystallinum</i>		Chitinase	2	01-MAY-1999
Q6QUR8	Q6QUR8.MUSAC	323 AA	35298 Da	<i>Musa acuminata</i>		Class III acidic chitinase	3	05-JUL-2004
A4GUI3	A4GUI3.HELAN	303 AA	32898 Da	<i>Helianthus annuus</i>	chi	Chitinase	3	17-APR-2007
C3VM17	C3VM17.MEDSA	301 AA	33298 Da	<i>Medicago sativa</i>		Chitinase class III-1	2	16-JUN-2009
Q6WDY9	Q6WDY9.MEDTR	302 AA	33261 Da	<i>Medicago truncatula</i>		Chitinase class III-1	2	05-JUL-2004
Q41401	Q41401.SESRO	328 AA	36171 Da	<i>Sesbania rostrata</i>		Chitinase homologue	2	01-JUL-1997
B8LF40	B8LF40.PEA	330 AA	36302 Da	<i>Pisum sativum</i>	YLD	Yieldin-like protein	2	03-MAR-2009
O48642	O48642.SOYBN	333 AA	37111 Da	<i>Glycine max</i>		Class III acidic endochitinase	2	01-JUN-1998
O24368	O24368.SESRO	334 AA	37003 Da	<i>Sesbania rostrata</i>		Class III chitinase-like protein	2	01-JAN-1998
Q9MBC9	Q9MBC9.VIGUN	327 AA	35647 Da	<i>Vigna unguiculata</i>	Vu-YLD	Yieldin	2	01-OCT-2000
Q7GCM2	Q7GCM2.ORYSA	304 AA	33703 Da	<i>Oryza sativa</i>	OsChib3H-b	Class III chitinase homologue	2	05-JUL-2004
Q9SXY3	Q9SXY3.ORYSA	312 AA	34989 Da	<i>Oryza sativa</i>	OsChib3H-c	Class III chitinase homologue	2	01-MAY-2000
Q7GCM0	Q7GCM0.ORYSA	315 AA	35286 Da	<i>Oryza sativa</i>	OsChib3H-d	Class III chitinase homologue	2	05-JUL-2004
Q7GCM7	XIP1.ORYSU	304 AA	33947 Da	<i>Oryza sativa</i>	RIXI	Xylanase inhibitor protein 1	1	05-JUL-2004
A7BJ77	A7BJ77.WHEAT	297 AA	32946 Da	<i>Triticum aestivum</i>	Xip-R1	Xylanase inhibitor	2	11-SEP-2007
A7BJ78	A7BJ78.WHEAT	297 AA	32858 Da	<i>Triticum aestivum</i>	Xip-R2	Xylanase inhibitor	2	11-SEP-2007
Q0DJPL	Q0DJPL.ORYSJ	353 AA	38554 Da	<i>Oryza sativa</i>	Os05g0247500	Os05g0247500 protein	3	17-OCT-2006
Q53N15	XIP2.ORYSU	290 AA	31654 Da	<i>Oryza sativa</i>	Chib3H-h	Xylanase inhibitor protein 2	1	24-MAY-2005
B6U2X8	B6U2X8.MAIZE	323 AA	35352 Da	<i>Zea mays</i>		Xylanase inhibitor protein 1	2	16-DEC-2008
Q4W6G2	Q4W6G2.WHEAT	305 AA	33290 Da	<i>Triticum aestivum</i>	Xip-III	Xylanase inhibitor XIP-III	3	05-JUL-2005
Q2VST0	Q2VST0.9ROSA	330 AA	36424 Da	<i>Ziziphus mauritiana</i>		Allergen Ziz m 1	2	10-JAN-2006