

Supplementary material:

Table 1: *Curcuma longa* ESTs encoding different classes of glycine rice protein's including the data about the homologous sequence, accession numbers and e-value.

Predicted GRPs	<i>Curcuma longa</i> contig	Signal peptide	Homologous sequence	Accession number	E.value
GRPs with GGGX repeats	CL.CON.129	Yes	Glycine rich cell wall structural protein, <i>Zea mays</i>	NM001158268	4e-22
	CL.CON.183	Yes	Glycine rich cell wall structural protein, <i>Zea mays</i>	NM001158268	3e-13
	CL.CON.579	Yes	Glycine rich cell wall structural protein, <i>Zea mays</i>	NM001158268	1e-19
	CL.CON.1031	Yes	<i>AtGRP6</i> , <i>Arabidopsis thaliana</i> glycine rich protein	P27483	1e-29
	CL.CON.1263	Yes	<i>AtGRP6</i> , <i>Arabidopsis thaliana</i> glycine rich protein	P27483	3e-32
	CL.CON.1522	Yes	<i>AtGRP6</i> , <i>Arabidopsis thaliana</i> glycine rich protein	P27483	7e-09
	CL.CON.1808	Yes	<i>AtGRP6</i> , <i>Arabidopsis thaliana</i> glycine rich protein	P27483	5e-63
	CL.CON.2133	No	<i>Phaseolus vulgaris</i> Glycine rich structural protein	P10495	1e-98
	CL.CON.2672	No	<i>Oryza sativa</i> chromosome 10 BAC OsJNBb0014111, translated sequence	AC037426	7e-10
	CL.CON.2913	Yes	<i>OsGRP2</i> , Glycine rich protein (<i>Oryza sativa</i> Indica group)	CAA38315	9e-21
CL.CON.3137	Yes	<i>OsGRP2</i> , Glycine rich protein (<i>Oryza sativa</i> Indica group)	CAA38315	8e-16	
CL.CON.3381	Yes	<i>OsGRP2</i> , Glycine rich protein (<i>Oryza sativa</i> Indica group)	CAA38315	9e-33	
CL.CON.3670	Yes	<i>OsGRP2</i> , Glycine rich protein (<i>Oryza sativa</i> Indica group)	CAA38315	7e-03	
CL.CON.3898	No	<i>Ricinus communis</i> grp1 precursor	XM002524779	6e-72	
CL.CON.1727	Yes	<i>Triticum aestivum</i> predicted protein grp	AK333576	1e-78	
GRPs with GGXXGG repeats	CL.CON.2149	No	<i>Hordeum vulgare</i> Glycine rich protein <i>HvGRP1</i>	Z48625	5e-26
	CL.CON.2897	No	<i>Hordeum vulgare</i> Glycine rich protein <i>HvGRP1</i>	Z48625	2e-12
	CL.CON.3452	No	Barley <i>grp1</i>	X52580	4e-39
	CL.CON.3215	No	Barley <i>grp1</i>	X52580	4e-16
	CL.CON.147	Yes	<i>OsGRP2</i> , Glycine rich protein (<i>Oryza sativa</i> Indica group)	CAA38315	2e-39
	CL.CON.391	Yes	<i>OsGRP2</i> , Glycine rich protein (<i>Oryza sativa</i> Indica group)	CAA38315	2e-41
	CL.CON.552	Yes	<i>OsGRP2</i> , Glycine rich protein (<i>Oryza sativa</i> Indica group)	CAA38315	2e-32
	CL.CON.813	No	<i>Zea mays</i> , aluminium induced grp	AAB86493	5e-19
	CL.CON.923	No	<i>Petunia hybrida</i> <i>grp1</i> protein	X04335	8e-13
	CL.CON.1154	No	<i>Petunia hybrida</i> <i>grp1</i> protein	X04335	8e-24
CL.CON.1369	No	<i>Zea mays</i> , aluminium induced grp	AAB86493	6e-12	
CL.CON.1467	No	<i>Zea mays</i> , aluminium induced grp	AAB86493	5e-43	
CL.CON.1712	Yes	<i>Medicago sativa</i> cold-drought regulated grp	L03708	7e-63	
GRPs with GXGX repeats	CL.CON.1872	Yes	<i>Medicago sativa</i> cold-drought regulated grp	L03708	7e-26
	CL.CON.2199	No	<i>AtGRP1</i> , glycine rich protein	S47405	3e-14
	CL.CON.2364	No	<i>AtGRP1</i> , glycine rich protein	S47405	3e-37
	CL.CON.2557	No	<i>Ricinus communis</i> GRP35	XM002529873	8e-22
	CL.CON.2789	No	<i>Ricinus communis</i> GRP35	XM002529873	8e-41
	CL.CON.2932	No	<i>Zea mays</i> , aluminium induced grp	AAB86493	6e-33
	CL.CON.3109	No	<i>Medicago truncatula</i> hypothetical protein	XM003605901	5e-34
	CL.CON.3578b	No	<i>AtGRP1</i> , glycine rich protein	S47405	2e-11
	CL.CON.3578	-	<i>Brassica oleracea</i> glycine rich protein	Z74892	6e-23
	CL.CON.3770	-	<i>Brassica napus</i> GRP22	Z15045	5e-89
CL.CON.3917	-	<i>Brassica napus</i> GRP22	Z15045	5e-63	
CL.CON.4012	No	<i>Zea mays</i> , aluminium induced grp	AAB86493	5e-36	
CL.CON.138	No	<i>Medicago sativa</i> GRBP	AAF06329	3e-74	
CL.CON.209	No	<i>Sorghum bicolor</i> <i>grbp1</i>	AAC23220	2e-17	
CL.CON.447	No	<i>Oryza sativa</i> Japonica group, putative RNA binding glycine rich protein	AAM19060	1e-32	
CL.CON.763	No	ABA inducible <i>grbp</i> , <i>Zea mays</i>	ACG28088	2e-51	
CL.CON.794	No	<i>Oryza sativa</i> Japonica group, putative RNA binding glycine rich protein	AAM19060	2e-17	
RNA binding GRPs	CL.CON.1078	No	<i>Oryza sativa</i> Japonica group, putative RNA binding glycine rich protein	AAM19060	1e-23
	CL.CON.1109	No	ABA inducible <i>grbp</i> , <i>Zea mays</i>	ACG28088	4e-34
	CL.CON.1582	No	<i>Oryza sativa</i> Japonica group, putative RNA binding glycine rich protein	AAM19060	1e-32
	CL.CON.2611	No	ABA inducible <i>grbp</i> , <i>Zea mays</i>	ACG28088	2e-26
	CL.CON.3068	No	<i>Oryza sativa</i> Japonica group, putative RNA binding glycine rich protein	AAM19060	1e-33
	CL.CON.4021	No	<i>Triticum aestivum</i> glycine rich RNA binding protein	BAF30986	3e-21