

**Attached Table S1 Accession numbers of different organism in NCBI and Phytozome GenBank**

Organism	Protein symbol	Protein ID
<i>Arabidopsis thaliana</i>	AtLCB1	AT4G36480
	AtLCB2a	AT5G23670
<i>Aspergillus oryzae</i>	AoLCB1	XP_003189017.1
	AoLCB2.1	XP_001818901.1
	AoLCB2.2	XP_001816940.1
<i>Brachypodium distachyon</i>	BdLCB1.1	Bradi1g67920.2
	BdLCB1.2	Bradi3g33370.1
	BdLCB1.3	Bradi2g59530.1
	BdLCB2	Bradi4g18210.1
<i>Clamydomonas reinhardtii</i>	CrLCB1	g2990.t1
	CrLCB2.1	g5038.t1
	CrLCB2.2	Cre17.g733650.t1.3
<i>Citrus sinensis</i>	CsLCB1.1	orange1.1g011544m
	CsLCB1.2	orange1.1g019931m
	CsLCB2.1	orange1.1g046230m
	CsLCB2.2	orange1.1g040324m
<i>Drosophila melanogaster</i>	DmLCB1	NP_610842.1
	DmLCB2.1	NP_476614.1
	DmLCB2.2	BAA83721.1
<i>Eucalyptus grandis</i>	EgLCB1.1	Eucgr.D00310.1
	EgLCB1.2	Eucgr.K00176.1
	EgLCB2	Eucgr.K02201.1
<i>Glycine max</i>	GmLCB1.1	Glyma14g09380.1
	GmLCB1.2	Glyma17g35800.2
	GmLCB2.1	Glyma02g07250.1
	GmLCB2.2	Glyma16g26210.1
	GmLCB2.3	Glyma06g47430.1
	GmLCB2.4	Glyma04g16260.1
<i>Homo sapiens</i>	HsLCB1.1	NP_006406.1
	HsLCB1.2	NP_001268232.1
	HsLCB1.3	AAH68537.1
	HsLCB1.4	BAD92994.1
	HsLCB2.1	NP_004854.1
	HsLCB2.2	BAA25452.2
	HsLCB2.3	AAI50645.1
	HsLCB2.4	NP_060797.2
	HsLCB2.5	AAC50871.1
	HsLCB2.6	EAW81298.1
	HsLCB2.7	EAX10321.1
HsLCB2.8	BAG61962.1	

**Continuation of Attached Table S1**

Organism	Protein symbol	Protein ID
<i>Mus musculus</i>	MsLCB1.1	NP_033295.2
	MsLCB1.2	BAC40709.1
	MsLCB1.3	EDL41121.1
	MsLCB1.4	CAA64897.1
	MsLCB1.5	BAE36210.1
	MsLCB1.6	AAC02264.1
	MsLCB1.7	BAE20444.1
	MsLCB1.8	BAE20637.1
	MsLCB1.9	BAE36587.1
	MsLCB1.10	XP_006516990.1
<i>Mus musculus</i>	MsLCB2.1	NP_035609.1
	MsLCB2.2	NP_780676.1
	MsLCB2.3	EDL28402.1
	MsLCB2.4	AAH94496.1
	MsLCB2.5	BAC37842.1
	MsLCB2.6	BAE21805.1
<i>Oryza sativa</i>	OsLCB1.1	LOC_Os02g56300.1
	OsLCB1.2	LOC_Os10g11200.1
	OsLCB1.3	LOC_Os03g14800.1
	OsLCB1.4	LOC_Os10g41150.1
	OsLCB2a.1	LOC_Os01g70380.1
	OsLCB2a.2	LOC_Os11g31640.1
	OsLCB2a.3	LOC_Os01g70360.1
	OsLCB2a.4	LOC_Os01g53450.1
	OsLCB2a.5	LOC_Os10g41150.1
<i>Physcomitrella patens</i>	PpLCB1	Pp1s311_79V6.2
	PpLCB2.1	Pp1s377_35V6.1
	PpLCB2.2	Pp1s8_113V6.1
	PpLCB2.3	Pp1s118_234V6.1
<i>Pseudomonas</i> sp.	PLCB1	WP_033727602.1
	PLCB2	WP_008095099.1
<i>Sorghum bicolor</i>	SbLCB1.1	Sb01g040920.1
	SbLCB1.2	Sb05g018870.1
	SbLCB2.1	Sb05g018880.1
	SbLCB2.2	Sb03g044700.1
	SbLCB2.3	Sb05g018870.1
	SbLCB2.4	Sb01g029060.1
<i>Selaginella moellendorffii</i>	SmLCB1	230105
	SmLCB2	86377
<i>Solanum lycopersicum</i>	SILCB1.1	Solyc11g019950.1.1
	SILCB1.2	Solyc08g066020.1.1
	SILCB1.3	Solyc06g030590.1.1

**Continuation of Attached Table S1**

Organism	Protein symbol	Protein ID
	SILCB2.1	Solyc03g098220.2.1
	SILCB2.2	Solyc03g098220.2.1
	SILCB2.3	Solyc08g066020.1.1
	SILCB2.4	Solyc06g034150.2.1
<i>Vitis vinifera</i>	VvLCB1.1	GSVIVT01000259001
	VvLCB1.2	GSVIVT01017497001
	VvLCB2.1	GSVIVT01008621001
	VvLCB2.2	GSVIVT01033008001
<i>Zea mays</i>	ZmLCB1.1	GRMZM2G144985_T02
	ZmLCB1.2	GRMZM2G087275_T01
	ZmLCB1.3	GRMZM2G165613_T01
	ZmLCB1.4	GRMZM2G444378_T01
	ZmLCB1.5	GRMZM2G060067_T01
	ZmLCB1.6	GRMZM2G067257_T01
<i>Zea mays</i>	ZmLCB2.1	GRMZM2G152888_T01
	ZmLCB2.2	GRMZM2G142030_T01
	ZmLCB2.3	GRMZM2G010202_T01
	ZmLCB2.4	GRMZM2G055854_T01
	ZmLCB2.5	GRMZM2G030862_T01
	ZmLCB2.6	GRMZM5G891276_T01
	ZmLCB2.7	GRMZM2G067257_T01
	ZmLCB2.8	GRMZM2G357734_T03
	ZmLCB2.9	GRMZM2G370377_T01
	ZmLCB2.10	GRMZM2G134248_T01
	ZmLCB2.11	GRMZM2G165613_T01