

Supplemental information to

Huang J, and *et al.* LIANK, Characterized as a Ubiquitin Ligase, Is Closely Associated with Membrane-enclosed Organelles and Required for Pollen Germination and Pollen Tube Growth in *Lilium longiflorum*.

Accessions	BLAST Results
DN985072	novel, or F-box family protein
DN985073	LLP-B3 protein, or major allergen-like, or LAT52 precursor
DN985074	LLP-B3 protein, or major allergen-like, or LAT52 precursor
DN985075	ribosomal protein
DN985076	novel
DN985077	novel
DN985078	novel
DN985079	novel
DN985080	Myb-related transcription factor
DN985081	novel
DN985082	novel
DN985083	novel
DN985084	B12D-like protein
DN985085	long-chain acyl-CoA synthetase
DN985086	novel
DN985087	pollen preferential protein
DN985088	novel
DN985089	cytochrome b5
DN985090	novel
DN985091	novel
DN985092	novel
DN985093	pyruvate kinase
DN985094	Ras- Rab-like GTP-binding protein
DN985095	novel, or transmembrane protein
DN985096	novel
DN985097	putative ATP synthase, or chaperone
DN985098	novel
DN985099	cathepsin B-like cysteine protease
DN985100	glutaredoxin-like protein
DN985101	novel
DN985102	novel
DN985103	pectin methylesterase
DN985104	putative pentatricopeptide repeat protein
DN985105	novel

DN985106	novel
DN985107	novel
DN985108	fatty acid desaturase
DN985109	sugar transporter
DN985110	novel
DN985111	cathepsin B-like cysteine protease
DN985112	novel
DN985113	putative protein kinase
DN985114	actin
DN985115	putative synbindin, or trafficking protein
DN985116	polyA binding protein
DN985117	putative zinc-finger protein
DN985118	type I membrane protein
DN985119	nodulin-like or nodulin-related
DN985120	ankyrin-like protein (LIANK)
DN985121	Rab GTPase
DN985122	cytochrome C oxidase, or novel
DN985123	sperm-related, or novel
DN985124	germine-like, oxalate oxidase, putative
DN985125	GDSL-motif lipase, anther-specific proline-rich protein
DN985126	GDSL-motif lipase, anther-specific proline-rich protein
DN985127	cystathionine gamma-synthase
DN985128	serine threonine kinase
DN985129	leaf senescence protein-like, or novel
DN985130	subtilisin-like protease, serine protease, P69C protein
DN985131	novel
DN985132	2-Cys peroxiredoxin, thioredoxin peroxiredoxin
DN985133	novel
DN985134	ribosomal protein S27
DN985135	ubiquitin-conjugation enzyme
DN985136	glycerophosphodiesterase-like, GPI-anchored protein
DN985137	auxin efflux carrier protein
DN985138	novel
DN985139	novel
DN985140	novel
DN985141	novel
DN985142	SET-domain containing protein, trithorax 1, Zinc finger protein
DN985143	pectin esterase inhibitor
DN985144	importin beta
DN985145	novel
DN985146	neural adhesion molecule, or novel

DN985147	F-box family protein
DN985148	proline-rich protein precursor, cleavage simulation factor, or novel
DN985149	pectin esterase inhibitor
DN985150	novel
DN985151	NADH-cytochrome b5 reductase
DN985152	human GTPase regulator, myosin heavy chain, or novel
DN985153	LEA III protein isoform, pollen coat protein
DN985154	novel
DN985155	novel
DN985156	MADS box transcription factor
DN985157	kinase, leucine-rich repeat
DN985158	novel
DN985159	seed maturation protein
DN985160	SNAP-25 like protein
DN985161	novel
DN985162	novel
DN985163	proteasome subunit 4 like
DN985164	novel
DN985165	ATPase, ATP synthase beta subunit
DN985166	novel
DN985167	ADP ribosylation factor
DN985168	novel
DN985169	novel
DN985170	novel
DN985171	novel

Supplemental Table I. BLAST results of 100 sequenced cDNAs that exhibited highest germinated/ ungerminated ratios in cDNA microarray.