

MELGLGARQAVLQPAAASRAPLGLLKAGHRAQQRRLPSPVSVSASASVTQGI PQTSFLQKARDSVLPHGAP
FTPTSKDSVQWTTTTIYTTQLLRPEIHDLGFVEVLLASEDKAVSERMTLKGFSRKPWTNLDGVPKWGAIFT
GTLMLPAA MAKPAVMFININHPPEGVQYFFANKIALDGPPGKTAHVDFVINSHVDSGPDAPRPFFFTAQAYL
PHAPMPDYLAELREHELAILRGTA AAAKHERKGSERYDYDVYNDLGTPTSRPALGGDTLKYPRRLRTGR
RVVNGTEVA AKGKDWLPPDERFDDRKQENFDSRTLLATLPALSANLLAALVPAGLQKLLRTPGSEFMSISD
IEQLYSGNAAEDNEDNVLTNLVAPAAAPLAAAILGLLTQNSAQGNT PQKVFEQLSDFNKEVVNGALDALVVS
LDDL GQSQR AAILHALSLTEKDFQEYAQAGTGRHEVHPVHANFVNLLQEVLRLLHFSTPAVIREGREGAW
TTDEEWGREQLAGQNACMIHAIWNDAPIKDLPADSAITEAVLQGHLEGHSISQLLSGDKPRLFLIDYMKGF
KDYAEKIAAAHPGNV MYAGRAVL YLR TDGELVPVAIELQAPRRKLEAFTSADSPTIWLLAKCIFSSIDAGY
HQLISHFVRAHACTEPYIIATRRLSVMHPVFKLLITHCRFTLNVNSNARQQLINAGGII EGNFTPGRYAM
ELSSVVYGLTWTTFDSQALPHDLVNRGVARREKDGTLKLLMADYPYAADGLLVWDAFVEWFDSYLRLYYDDE
VDGKRVTDDPEITAWWTEIQEKGHDPDIKEGWPQLQTIADLTQILTTIAWIASAHHAAINYGQYDYSGFMPN
RSPMIRKAMPKESDDFKTLAAQDAETAILPFLASPLQATQVMATLGLLSTHSENEEYINDLEHPYLMVGT
EAYNKYKEFLSRLKQAEDTIKKRNADSQGHVIRAGPD AIHYRLMNPSSITENGDVQRQGV TMSGIPTSVSM

Additional file 1. Shorter and Longer versions of the putative lipoxygenase from *L. incisa*. The shorter version is shown in black. The longer version corresponds to the whole sequence, in red and black.