



Supplementary Materials



Figure S1. Isolation of hemp bast fibres. Hemp cortical tissues before (a) and after (b) the separation in 80% EtOH. Scale bar is 2.5 cm.

Table S1. Primers used for the 5'-3' ratio mRNA integrity test. The names and sequences of the primers used are indicated.

	Sequence (5'→3')
Actin 5' qPCR Fwd	ACCACAAACCCTCTAAACTTCC
Actin 5' qPCR Rev	TCTGCATCTGCCATCTTCAC
Actin 3' qPCR Fwd	AAGCAGAGTACGATGAGTCTGG
Actin 3' qPCR Rev	TGAACCTTCTGCAAACAACAC
GAPDH 5' qPCR Fwd	AGGCACATAAAGGCAGGAAG
GAPDH 5' qPCR Rev	GAACGCCATTGTTGACTGTG
GAPDH 3' qPCR Fwd	ATGCCAAGGCTGGAATAGG
GAPDH 3' qPCR Rev	TCCCCATTCGTTATCGTACC

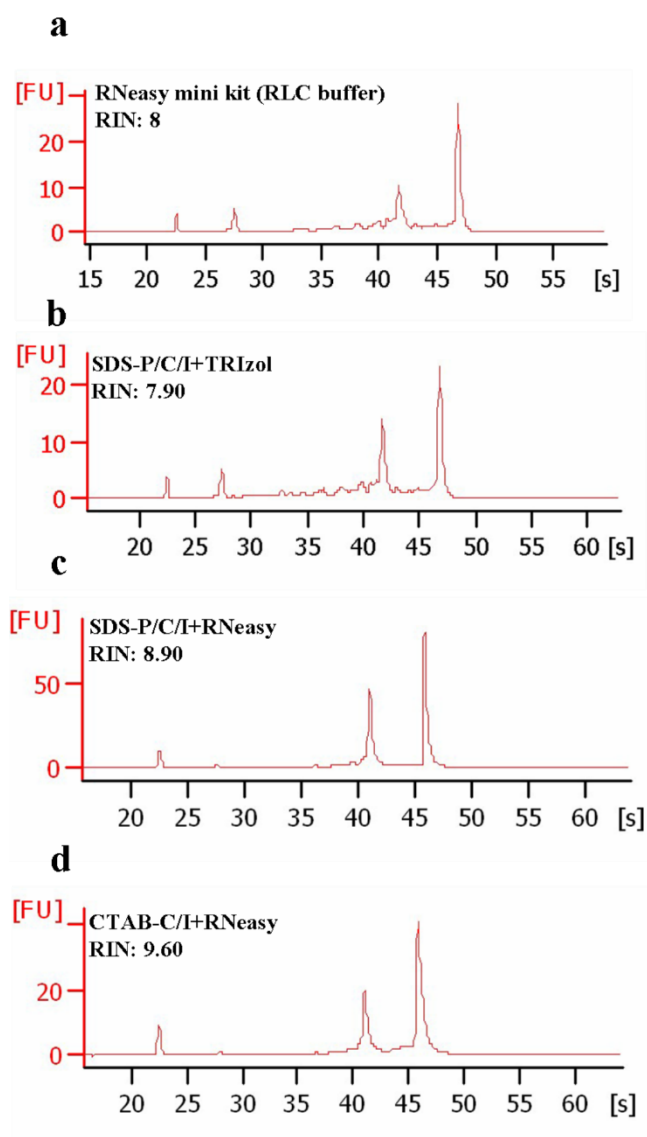


Figure S2. Integrity of the purified RNAs. Representative Bioanalyzer electropherograms of the RNA samples extracted using (a) the RNeasy mini kit (with buffer RLC); (b) the SDS-P/C/I+TRIzol; (c) the SDS-P/C/I+RNeasy; (d) the CTAB-C/I+RNeasy methods. [FU]: arbitrary fluorescent unit; [s]: migration time in seconds.

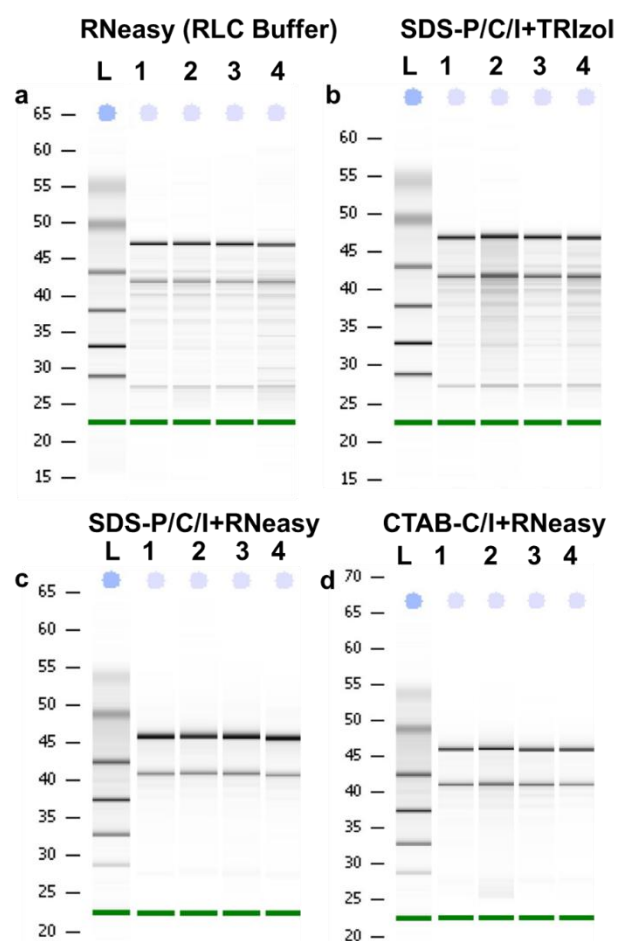


Figure S3. Gel electrophoresis of the RNAs extracted with the four different methods (a–d). L indicates the ladder, the numbers 1–4 correspond to the replicates. The 18S and 25S rRNA bands are visible.