Supplementary Figure S3. The end-point RT-PCR results of miRNAs covered by all 55 member-specific primers in the Castor bean (Hela) and the two Cassava varieties (SC124 and C4) under either cold stress, drought stress or during stress recovery processes. A negative control (no template control, NTC) was included for each primer combination. Amplification of ~85bp products will be regarded as expressed miRNAs where the band appeared in 1% agarose gel. The samples used are the same as Supplemental Table S1.

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М	Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC	Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress		C4-drought		Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC
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М	Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC	Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC	Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC
-	-	-	156	d	-	-	•	-	-	0	403	ab			•	-	-	1	57b	0		-	•	
Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC	Hela-ck	Hela-cold	Hela-drought	SC124-ck			C4-drought	NTC	Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC	М
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Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC	Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC	Hela-ck	Hela-cold	Hela-drought	SC124-ck	SC124-stress	C4-cold	C4-drought	NTC	м

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Cassava-stress Cassava-ature Hela-drought Hela-cold Hela-ck Cassava-cold	Hela-drought Hela-cold c4AH48h Cassava-cold NTC	C4AH48h Cassava-cold NTC Cassava-stress Cassava-ck Cassava-nature	A NTC Cassava-stress Cassava-ok Cassava-nature Hela-drought Hela-cold
← 157ac	→	ia≻	162 →
DA6d Cassava-ck Cassava-nature Hela-drought Hela-cold C4AH48h C4AH48h Cassava-cold	Hela-drought Hela-cold C4AH48h Cassava-cold NTC	C4AH48h Cassava-cold NTC DA6d Cassava-ck Cassava-nature	∑ NTC DA6d Cassava-ck Cassava-nature Hela-drought Hela-cold
			164ab →
Cassava-stress Cassava-ck Cassava-nature Hela-cold Hela-ck Hainan-nature	Hela-crougnt Hela-cold Hela-ck Hainan-nature NTC		∑ NTC Cassava-stress Cassava-ck Cassava-nature Hela-drought Hela-cold
← 166a —	$\rightarrow \mid \longleftarrow \underline{169}$	$abc \longrightarrow \longleftarrow$	169hij —
Cassava-stress Cassava-ck Cassava-nature Hela-drought Hela-cold Hela-ck Hainan-nature	Hela-crougent Hela-cold Hela-ck Hainan-nature NTC	Hela-ck Hainan-nature NTC Cassava-stress Cassava-ck Cassava-nature	Z NTC Cassava-stress Cassava-ck Cassava-nature Hela-drought Hela-cold
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Cassava-stress Cassava-nature Hela-drought Hela-cold Hela-ck Hainan-nature	Hela-cold Hela-ck Hainan-nature NTC	Hainan-nature NTC Cassava-stress Cassava-ck Cassava-nature Hela-drought	A NTC Cassava-stress Cassava-nature Hela-drought Hela-cold Hela-ck
← 171ab	\rightarrow \leftarrow 1		<u>172abc</u>
Cassava-ck Cassava-nature Hela-drought Hela-cold Hela-ck Hainan-nature	Hela-cold Hela-ck Hainan-nature NTC Cassava-stress	Hela-ck Hainan-nature NTC Cassava-stress Cassava-ck Cassava-nature	ANTC Cassava-stress Cassava-ck Cassava-nature Hela-cold

← 168	→ ←	396c ──►	← 164c	
Cassava-nature Hela-drought Hela-cold Hela-ck Hainan-ck	Hela-ck Hainan-ck NTC Cassava-stress Cassava-ck	NTC Cassava- stress Cassava-ck Cassava-nature Hela-cold	Cassava-nature Hela-drought Hela-cold Hela-ck Hainan-ck	M NTC Cassava-stress Cassava-ck
Cassava-nature 4d Hela-drought 16 Hela-cold Hela-ck Hainan-ck	Hela-ck Hainan-ck NTC Cassava-stress Cassava-ck	NTC Cassava-stress Cassava-ek Cassava-nature 167ab Hela-drought	Cassava-nature 167c Hela-drought Hela-cold Hela-ck Hainan-ck	NTC Cassava-stress Cassava-ck

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Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	м
←	_	r	<u>72d</u>	_			•	•			319a	ıbc	_	-	•	-			393b	2		-	1	-
Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	М

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Hainan-ck	Hela-cold Hela-ck	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NIC	Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NIC	М
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Hainan-ck	Hela-cold Hela-ck	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	Hainan-ck	Hela-ck	Hela-cold	Hela-drought	Cassava-nature	Cassava-ck	Cassava-stress	NTC	м

← 393	<u>a</u>		→ ← ^{398b} →
Hela-crought Hela-cold Hela-ck Hainan-ck	NTC Cassava-stress Cassava-ck Cassava-nature	Cassava-ck Cassava-nature Hela-drought Hela-cold Hela-ck Hainan-ck	Z NTC Cassava-stress Cassava-nature Hela-drought Hela-cold Hela-ck Hainan-ck NTC Cassava-stress
← ³⁹	<u>9b</u>	← <u>396ab</u>	▶ ← ^{390b} ▶
Hela-cold Hela-ck Hainan-ck	NTC Cassava-stress Cassava-ok Cassava-nature H-la-d-rombr	Cassava-ck Cassava-nature Hela-drought Hela-cold Hela-ck Hainan-ck	Z NTC Cassava-stress Cassava-nature Hela-drought Hela-cold Hela-ck Hainan-ck NTC Cassava-stress

 ←	<u>319d</u> —	→ - U6	
Hela-drought Hela-cold Hela-ck	C4-drought C4-cold SC124-stress SC124-ck	SC124-ck Hela-drought Hela-cold Hela-ck NTC	A Cassava-ck NTC C4-drought C4-cold SC124-stress