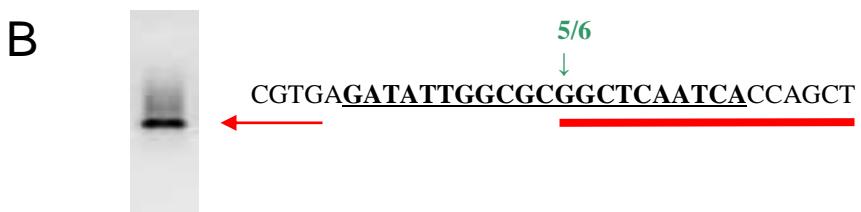


A

AK371946 mRNA	Hvu-miR171a	\downarrow \downarrow \downarrow \downarrow \downarrow	13.38 RPM ↓ 2.87 ↓↓ 9.75 ↓↓ ↓
		$\mid \mid \mid \mid \mid : \mid \mid \mid \mid \mid$ $\mid \mid \mid \mid \mid : \mid \mid \mid \mid \mid$ $\mid \mid \mid \mid \mid : \mid \mid \mid \mid \mid$	5' - CTGGCGCGUGAGAUAUUGGCGCGCUAAUCACCAAGCUUCCCCC-3' 3' - CUAUAACCGUGCCGAGUUAGU-5'
		\downarrow \downarrow	1.84 ↓
AK364580 mRNA	Hvu-miR171a	$\mid \mid \mid \mid \mid : \mid \mid \mid \mid \mid$ $\mid \mid \mid \mid \mid : \mid \mid \mid \mid \mid$	5' - CTGGCGCGCGAGAUAUUGGCACGGCUAAUCACCGGUCCCCCTCG-3' 3' - CUAUAACCGUGCCGAGUUAGU-5'
		\downarrow \downarrow	1.84 ↓
AK368048 mRNA	Hvu-miR171a	$\mid \mid \mid \mid \mid : \mid \mid \mid \mid \mid$ $\mid \mid \mid \mid \mid : \mid \mid \mid \mid \mid$	5' - TCGGCGCGCGAGAUAUUGGCACGGCUAAUCACCGGUCCCCGCC-3' 3' - CUAUAACCGUGCCGAGUUAGU-5'
No PARE sequence found			
AK362896 mRNA	Hvu-miR171a	$\mid \mid : \mid \mid \mid : \mid : \mid \mid \mid$ $\mid \mid : \mid \mid \mid : \mid : \mid \mid \mid$	5' - GCCGGGUGAGUCCGAUGUUGGCAUGGUCAAUCAAUUGAGUGCAC-3' 3' - CUAUAACCGUGCCGAGUUAGU-5'



Additional file 3. Evidence for miR171 cleavage of HvSCLs and HvSPL.
 (A) Evidence for cleavage of top four predicted miR171 targets in degradome data from developing barley grains [36] (B) RLM-5' RACE on HvSCL (U21_33945). (C) RLM-5' RACE on HvSPL (U21_18637). The miRNA binding site is underlined in black and the 5' end of the cleaved mRNA in red. The numbers in green refer to the ratio of 5'-RACE clones showing a cleavage at the base indicated by the arrow. The agarose gel on the left shows the band corresponding to the amplified 3' cleavage products.