

a

	Noco2	Cala2	Emoy2
HpasRNA77			
HpasRNA88			
HpasRNA78			
HpasRNA75			
HpasRNA61			
HpasRNA2			
HpasRNA90			
HpasRNA76			
HpasRNA96			
HpasRNA85			
HpasRNA83			
HpasRNA53			
HpasRNA44			
HpasRNA4			
HpasRNA74			
HpasRNA30			
HpasRNA54			
HpasRNA39			
HpasRNA51			
HpasRNA47			
HpasRNA36			
HpasRNA92			
HpasRNA28			
HpasRNA38			
HpasRNA69			
HpasRNA57			
HpasRNA82			
HpasRNA12			
HpasRNA14			
HpasRNA52			
HpasRNA20			
HpasRNA55			
HpasRNA43			
HpasRNA99			

■ identical □ allelic variation

b

<i>HpasRNA</i>	Target gene	Locus	Mutation location/ consequence			Number of <i>A. thaliana</i> accessions with mutation
			Bulge	10/11	Seed region	
<i>HpasRNA2</i>	With no lysine (K) kinase 2	CDS		Synony.		1
<i>HpasRNA12</i>	AAR2 protein family	3'UTR				3
<i>HpasRNA28</i>	E3 ubiquitin ligase	5'UTR				4
<i>HpasRNA28</i>	BTB/POZ domain-containing protein	CDS		Missense		1
<i>HpasRNA30</i>	Polymerase gamma 2	CDS			Synony.	339
<i>HpasRNA39</i>	Heat stress transcription factor A-1d	CDS			Missense	409
<i>HpasRNA47</i>	Transcription factor ORG2	CDS			Synony.	122
<i>HpasRNA52</i>	Stress response NST1-like protein	3'UTR				17
<i>HpasRNA53</i>	Polyadenylate-binding protein	CDS		Missense		8
<i>HpasRNA53</i>	Beta-1,6-N-acetylglucosaminyltransferase	3'UTR				2
<i>HpasRNA54</i>	NIMA-related kinase 4	5'UTR				2
<i>HpasRNA57</i>	Monocopper oxidase-like protein	CDS		Missense	Missense	1/1
<i>HpasRNA57</i>	AtAPC7	5'UTR				2/2
<i>HpasRNA57</i>	Disease resistance/LRR family protein	CDS	Frameshift		Missense	1/20
<i>HpasRNA69</i>	Tonoplast dicarboxylate transporter	CDS			Synony.	6
<i>HpasRNA74</i>	Transmembrane protein	CDS			Synony.	1
<i>HpasRNA82</i>	ABI2	CDS		Missense	Synony.	12/1
<i>HpasRNA90</i>	F-box protein	CDS	Frameshift			3

■ prevents predicted targeting ■ prevents predicted cleavage by AGO/RISC ■ weakens predicted targeting

Figure 4 – figure supplement 5