

A

AA	L S M L C V F P I Q P D M D S C P G R S L G V A R K P F	
WT	5' TTATCAATGCTCTGTGTGTTTCCCATTC AACCTGATATGGACTCTTGCCAGGCCGCTCTTTGGGAGTTGCGCGAAAACCTTTC	3'
nciaa-6	5' TTATCAATGCTCTGTGTGTTTCCCATTC AACCTGATATGGACTCTTGCCAGGCCGCTCTTTGGGAGTTGCGCGAAAACCTTTC	3'
nciaa-10	5' TTATCCGTATATGATATCCATGCACAATACAGGATTGTTATCCGTATATGGATATATATGGATATAACGCCCATGTTAA-----	3'

AA	P P P	R L R S V K	E K P H Q F K
WT	5' CCACCTCCG-----AGGTTGCGGTCCGTAAG	GAAAAACCCACCAATTTAAG 3'	
nciaa-6	5' CCACCTCCGTTTGGAGTGGGTGAGTCACCGTCCGTAAG	GAAAAACCCACCAATTTAAG 3'	
nciaa-10	5' -----CCACCAATTTAAG 3'		

B

AA	W M R L Q Q Q K L E P A A P T T P L	S L P P L P
WT	5' TGGATGCGACTACAGCAGCAGAAATTAGAACTGCA-GCACCAGACAACCTCTCTC	AGCCTTCCTCCCTTGCCCT 3'
ncarf-2	5' TGGATGCGACTACAGCAGCAGAAATTAGAACCTGCACGCACCAGACAACCTCTCTC	AGCCTTCCTCCCTTGCCCT 3'
ncarf-10	5' TGGAT-----TCATTAGCCT 3'	

C

AA	Q L W H A C	A G G M V
WT	5' CAGCTGTGGCAGCCTG-----CGCAGGAGGCATGGTG 3'	
arf3 ^{ge1-1}	5' CAGCTGTGGCAGCCTG-----GAGGCATGGTG 3'	
arf3 ^{ge1-2}	5' CAGCTGCGTGGCAGCTGCGGATCAGGCCCCGCATCAGGCCGGCCATGCCTCTGCGGATCAGGCCGGCAGCTCCG CAGGAGGCATGGTG 3'	

D

AA	E K P A S F A K T L T Q S D A N
WT	5' GAGAAGCCGGCCTCGTTCCGCAAGACGCTCAGCAGAGCGACGCCAAC 3'
arf3 ^{ge2-1}	5' GAGAAGCCGGCCTCGT-----CGCTCAGCAGAGCGACGCCAAC 3'

