

SINA cv. Wanad

AGO65289.1 MKAFFFVALLALVASTAFAQYSEVGSYDVAGGGGAQQCPLETKLNSCRNYLLERCSTMK 59  
 ABB88759.1 MKAFFFVALLALVASTAFAQYSEVGSYDVAGGGGAQQCPLETKLNSCRNYLLERCSTMK 59  
 AER62832.1 MKAFFLIGLLALVASTAFAQYSEVGSYDVAGGGGAQQCPLETKLNSCRNYLLDRCSTMK 60  
 ABD72477.1 MKAFLIGLLALVASTAFAQYSEVGSYDVAGGGGAQQCPLETKLNSCRNYLLDRCSTMK 60  
 ABB52757.1 -----DVAGGGGAQQCPLETKLNSCRNYLLDRCSTMK 32

AGO65289.1 DFPVTWQWWKWKGGCQELLGECSSRLGQMPPQRCRNIIQGSIQGDLGGIFGFQDRASK 119  
 ABB88759.1 DFPVTWQWWKWKGGCQELLGECSSRLGQMPPQRCRNIIQGSIQGDGGIFGFQDRASK 119  
 AER62832.1 DFPVTWQWWKWKGGCQELLGECSSRLGQMPPQRCRNIIQGSIQGDLGGIFGFQDRASK 120  
 ABD72477.1 DFPVTWQWWKWKGGCQELLGECSSRLGQMPPQRCRNIIQGSIQGDLGGIFGFQDRASK 120  
 ABB52757.1 DFPVTWQWWKWKGGCQELLGECSSRLGQMPPQRCRNIIQGSIQGDLGGIFGFQDRASK 92

AGO65289.1 VIQEAKNLPPKCNQGPACNIPGPGSGYYW 147  
 ABB88759.1 VIQEAKNLPPKCNQGPACNIPGPGSMYYW 147  
 AER62832.1 VIQEAKNLPPKCNQGPACIPSTSGYYW 148  
 ABD72477.1 VIQEAKNLPPKCNQGPACNIPGTIGYYW 148  
 ABB52757.1 VIQEAKNLPPKCNQGPACNIPGTIGYYW 120

- AGO65289.1 – secaloindoline a – (*x Triticosecale* Wittmack) cv. Wanad
- ABB88759.1 – puroindoline a – *Secale cereale* cv. Galma
- AER62832.1 – puroindoline a – *Elymus spicatus* (synonyms: *Pseudoroegneria spica* and *Agropyron spicatum*)
- ABD72477.1 – puroindoline a – *Triticum aestivum* cv. Chinese Spring
- ABB52757.1 – puroindoline a – *Aegilops sharonensis*

Sequence Distances of SINA.meg ClustalW (Slow/Accurate, Gonnet)

Percent Similarity in upper triangle  
 Percent Divergence in lower triangle

Percent Identity							
	1	2	3	4	5		
1	█	97.3	88.4	91.2	92.5	1	AGO65289.1
2	2.8	█	87.1	89.8	90.8	2	ABB88759.1
3	12.6	14.2	█	91.2	90.0	3	AER62832.1
4	9.4	11.0	9.4	█	98.3	4	ABD72477.1
5	7.9	9.8	10.8	1.7	█	5	ABB52757.1
	1	2	3	4	5		

Region: 36..135

1 mkaffffvall alvastafaq ysevgsydva ggggaqqcpl etklnsrnny llercstmkd  
 61 fpvtwqwwkw wkggcqellg eccsqlgqmp pqrcrniiqg siqgdllggif gfqdraskv  
 121 iqeaknlppk cnqgpacnipp gpsgyyw

Region\_name="AAI\_SS": Alpha-Amylase Inhibitors (AAIs) and Seed Storage (SS) Protein subfamily; composed of cereal-type AAIs and SS proteins.

