

Protein disulfide isomerase like 1-1 participates in the maturation of proglutelin within the endoplasmic reticulum in rice endosperm

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Supplementary Fig. S1

ATGGCGATCTCGAAGGCTTGGATCTCGCTGCTGCTCGCGCTCGCCGTGGTGTGTCGGCG 60
M A I S K A W I S L L L A L A V V L S A 20
 CCGGCGGCGAGGGCGGAGGAGGCGGCGGCTGCGGAGGAGGGGGGCGATGCGGCGGCGGAG 120
P A A R A E E A P A A E E G E A P A A E 40
 GCCGTGCTGACGCTTGACGCGGACGGCTTCGATGAGGCCGTCGCCAAGCACCCGTTTCATG 180
 A V L T L D A D G F D E A V A K H P F M 60
 GTCGTGAGTTCTACGCCCCGTGGTGTGGACACTGCAAGAAGCTCGCTCCAGAGTATGAG 240
 V V E F Y A P W **C G H C** K K L A P E Y E 80

AAAGCTGCACAAGAGCTAAGCAAGCACGATCCACCGATTGTTCTTGCCAAGGTTGATGCC 300
 K A A Q E L S K H D P P I V L A K V D A 100
 AACGACGAGAAGAACAAGCCTCTTGCTACCAAGTATGAGATCCAGGGTTTCCCGACACTC 360
 N D E K N K P L A T K Y E I Q G F P T L 120
 AAGATATTCAGGAACCAGGGCAAGAACATTCAGGAATACAAGGGCCCGAGGGAGGCTGAG 420
 K I F R N Q G K N I Q E Y K G P R E A E 140
 GGCATTGTTGAATACTTGAAGAAGCAGGTTGGTCCCTGCTTCCAAGGAGATCAAGTCACCA 480
 G E I V E Y L K K Q V G P A S K E I K S 160
 GAAGACGCAACCAACCTTATTGATGACAAGAAAATCTACATTGTTGGAATCTTCTCAGAA 540
 P D A T N L I D D K K I Y I V G I F S E 180
 TTAAGTGGCACTGAGTATACAACTTCATAGAGGTTGCTGAGAAGCTGAGATCTGATTAT 600
 L S G T E Y T N F M E V A E K L R S D Y 200
 GACTTTGGCCACACCTTGCAAGCCACCTTCCACGCGGTGATGCTGCAGTTGAGAGA 660
 D F G H T L H A N H L P R G D A A V E R 220
 CCATTGGTTAGGCTATTCAAGCCCTTTGATGAGCTTGTGTTGACAGCAAGGATTTTGAT 720
 P L V R L F K P F D E L L V D S K D F D 240
 GTTACTGCTTTGGAGAAGTTCATTGATGCTAGCAGCACCCCTAAAGTTGTTACTTTTGAC 780
 V T A L E K F I D A S S T P K V V T F D 260
 AAGAACCCTGACAACCATCCTTACCTTCTGAAATTTTTCCAAAGCTCAGCTGCCAAGGCT 840
 K N P D N H P Y L L K F F Q S S A A K A 280
 ATGCTATTTTTGAACCTTCTCCACTGGACCGTTTGAGTCTTTCAAGTCAGTTTATTATGGT 900
 M L F L **N F S** T G P F E S F K S V Y Y G 300
 GCTGCTGAGGAGTTC AAGGACAAGGAAATTAAGTTCCCTCATGGTGACATTGAGGCCAGT 960
 A A E E F K D K E I K F L I G D L E A S 320
 CAAGGTGCCTTCCAGTACTTTGGGCTGAGGGAGGATCAGGTACCCTCATCATCATCCAG 1020
 Q G A F Q Y F G L R E D Q V P L I I I Q 340
 GATGGTGAGTCCAAGAAATTTTTGAAGGCACACGTTGAGCCTGACCAAATGTTTCTTG 1080
 D G D S K K F L K A H V E P D Q I V S W 360
 TTGAAGGAATACTTTGATGGTAAATTTGCTCCATT CAGGAAGTCTGAACCTATTCCTGAG 1140
 L K Q Y F D G K L S P F R K S E P I P E 380
 GTC AAGCAGCAGCCTGTTAAGGTTGTGGTGCCTGATAACGTC CATGATTTTGTCTTCAAG 1200
 V N D E P V K V V V A D N V H D F V F K 400
 TCTGGCAAAAACGTCCTTGTGTAATCTATGCACCATGGTGC GGACACTGCAAGAAGCTG 1260
 S G K N V L V E F Y A P W **C G H C** K K L 420

GCTCCAATCTTGGATGAGGCAGCTACGACGCTTAAAAGCGACAAGGATGTTGT CATCGCT 1320
 A P I L D E A A T T L K S D E D V V I A 440
 AAGATGGATGCAACTGCGAACGATGTGCCAAGCGAGTTCGATGTGCAAGGTTACCCACC 1380
 K M D A T A N D V P S E F D V Q G Y P T 460
 CTGTACTTCGTCACCCCCAGTGGAAAGATGGTTCCCTATGAAAGCGGCAGGACAGCCGAC 1440
 L Y F V T P S G K M V P Y E S G R T A D 480
 GAGATCGTCGACTTCATT AAGAAGAACAAGGAAACCGCTGGTCAGGCGAAGGAGAAGGCA 1500
 E I V D F I K K N K E T A G Q A K E K A 500
 GAGTCGGCCCCAGCCGAGCCTCTCAAGGATGAGCTCTAA 1539
 E S A P A E P L **K D E L** *

Supplementary Fig. S2

