**Table supplementary 1** Polypeptides identified in total homogenates of kernels of maize from the three genotypes by tandem mass spectrometry

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Protein name** | **UniProt/KB\_IDa** | **MWb** | **pIc** | **Gened** | **Total scoree** | **MR2008**  **% Cov.f** | **Pep.g**  **(> 95)** | **Total scoree** | **LUG03**  **% Cov.f** | **Pep.g**  **(> 95)** | **Total scoree** | **CML491**  **% Cov.f** | **Pep.g**  **(> 95)** |
| **Acc. No.** | **(Da)** |  | **(≥ 95)** |  | **(≥ 95)** |  | **(≥ 95)** |
| 1.Vicilin-like embryo storage protein | Q03865 | 63949.32 | 6.18 | Glb1-L | 155.83 | 72.34 | 165 | 50.50 | 44.50 | 28 | 66.32 | 57.90 | 43 |
| 2.Shrunken1, sucrose synthase 1 | P04712 | 91731.96 | 5.96 | SH-1 | 97.73 | 63.84 | 68 | 15.49 | 15.83 | 8 | 62.30 | 40.02 | 30 |
| 3.Globulin-1 S allele precursor | P15590 | 55135.13 | 6.75 | GLB1 | 94.97 | 76.05 | 128 | 40.16 | 29.05 | 18 | 54.69 | 59.87 | 35 |
| 4.Glyceraldehyde-3-phosphate dehydrogenase3 | Q43247 | 36448.64 | 7.02 | GAPC3 | 54.23 | 82.49 | 43 | 25.58 | 58.98 | 14 | 41.10 | 59.64 | 21 |
| 5.Pyruvate,orthophosphate dikinase | P11155 | 96219.06 | 5.27 | PPDK1 | 51.95 | 34.45 | 33 | 32.26 | 26.16 | 20 | 34.99 | 23.63 | 18 |
| 6. Phosphoglycerate kinase | B4G0K4 | 42439.22 | 5.65 | 100274579 | 50.25 | 49.83 | 29 | 34.28 | 32.87 | 15 | 46.87 | 45.98 | 24 |
| 7. Enolase1 | P26301 | 48063.51 | 5.20 | ENO1 | 48.58 | 68.61 | 29 | 24.81 | 39.91 | 13 | 31.03 | 55.73 | 15 |
| 8. General stress protein 39Short-chain dehydrogenase/reductase SDR family protein | B4FNZ9 | 32944.19 | 5.78 | N/A | 42.68 | 60.89 | 35 | 37.78 | 47.21 | 24 | 33.77 | 49.72 | 19 |
| 9. Heat-shock protein 101 | Q9S822 | 101131.70 | 5.84 | HSP101 | 41.84 | 33.66 | 23 | 28.82 | 21.49 | 13 | 27.34 | 19.52 | 12 |
| 10. Alcohol dehydrogenase 1 | P00333 | 40981.25 | 6.28 | ADH1 | 37.20 | 58.58 | 24 | 26.85 | 52.24 | 14 | 31.97 | 55.94 | 17 |
| 11.Steroleosin | B6UGU4 | 38505.56 | 8.56 | 100286255 | 32.77 | 64.86 | 17 | 13.94 | 25.43 | 6 | 12.21 | 33.14 | 6 |
| 12. Phosphoglucomutase, cytoplasmic 1 | P93804 | 63097.34 | 5.46 | N/A | 31.44 | 33.38 | 16 | 5.64 | 8.31 | 3 | 10.87 | 14.41 | 5 |
| 13. Triosephosphate isomerase, cytosolic | P12863 | 26893.71 | 5.52 | N/A | 31.10 | 63.11 | 19 | 22.10 | 43.08 | 11 | 15.23 | 47.83 | 9 |
| 14.Putative translation elongation factor Tu family protein | A0A1D6M1Q8 | 1397.63 | 4.00 | ZEAMMB73\_Zm00001d037906 | 30.87 | 43.07 | 19 | 9.89 | 21.50 | 4 | 23.70 | 33.11 | 12 |
| 15. Lipoxygenase | A1XCI5 | 102089.20 | 6.11 | LOX10 | 29.76 | 22.45 | 14 | 15.15 | 13.43 | 7 | 6.35 | 6.71 | 3 |
| 16. Peptidyl-prolyl cis-trans isomerase | P21569 | 18348.99 | 8.91 | CYP | 12.02 | 42.44 | 11 | 7.36 | 36.05 | 4 | 6.63 | 27.33 | 3 |
| 17. ATP synthase subunit beta, mitochondrial | P19023 | 54062.56 | 5.19 | ATPB | 27.49 | 37.36 | 16 | 14.73 | 29.19 | 8 | 23.32 | 32.49 | 13 |
| 18. Adenosylhomocysteinase | C0PHR4 | 53234.30 | 5.62 | 100282150 | 25.92 | 31.96 | 14 | 25.11 | 38.35 | 12 | 19.56 | 27.22 | 9 |
| 19. Actin 1 | P02582 | 41617.57 | 5.22 | ACT1 | 16.84 | 22.34 | 10 | 10.19 | 18.62 | 4 | 13.59 | 21.81 | 6 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20. Alpha-amylase/subtilisin inhibitor-like | A0A3L6G2I6 | 20475.86 | 7.90 | RASI | 24.08 | 47.30 | 15 | 7.33 | 20.72 | 5 | 5.52 | 15.77 | 3 |
| 21Ttubulin beta-7 chain | Q41784 | 50094.36 | 4.72 | TUBB7 | 23.23 | 32.36 | 13 | 10.46 | 9.89 | 4 | 11.52 | 11.24 | 4 |
| 22. Oleosin 18 kDa | B6UH21 | 17598.14 | 9.65 | N/A | 22.67 | 40.34 | 17 | 14.00 | 43.55 | 12 | 11.18 | 34.66 | 7 |
| 23. Ribosome-inactivating protein | P28522 | 16588.19 | 9.46 | N/A | 21.53 | 37.54 | 12 | 26.24 | 55.14 | 13 | 19.43 | 40.53 | 11 |
| 24. Glyceraldehyde-3-phosphate dehydrogenase 2, cytosolic | Q09054 | 36541.77 | 6.40 | GAPC2 | 42.20 | 68.55 | 31 | 19.26 | 43.62 | 9 | 26.18 | 47.37 | 13 |
| 25.Malate synthase, glyoxysomal | P49081 | 61636.91 | 6.18 | LIP | 20.81 | 21.29 | 11 | 16.36 | 22.00 | 6 | 16.03 | 21.65 | 6 |
| 26.Hageman factor inhibitor | Q946V1 | 19626.75 | 8.29 | N/A | 19.77 | 60.00 | 14 | 6.58 | 34.42 | 3 | 5.37 | 28.57 | 2 |
| 27. Luminal-binding protein 2 | P24067 | 70937.18 | 5.07 | BIPE2 | 25.90 | 26.55 | 17 | 18.46 | 17.95 | 9 | 12.53 | 8.45 | 5 |
| 28. 40S ribosomal protein S8 | Q08069 | 25056.73 | 10.37 | RPS8 | 18.52 | 44.34 | 10 | 11.68 | 46.61 | 6 | 7.77 | 21.27 | 4 |
| 29.Globulin 2 | Q7M1Z8 | 49922.93 | 6.16 | 542382 | 18.18 | 51.27 | 12 | 55.70 | 62.22 | 37 | 53.87 | 60.00 | 36 |
| 30.Enolase | B6TGL7 | 50315.45 | 5.83 | N/A | 34.16 | 51.57 | 18 | 17.91 | 31.39 | 9 | 22.01 | 42.15 | 11 |
| 31. Malate dehydrogenase, cytoplasmic | Q08062 | 35589.90 | 5.75 | N/A | 16.85 | 35.24 | 10 | 7.90 | 18.07 | 5 | 8.54 | 14.46 | 3 |
| 32.1-Cys peroxiredoxin PER1 | A2SZW8 | 53034.73 | 6.54 | PER1 | 15.58 | 63.89 | 13 | 17.42 | 51.09 | 9 | 17.80 | 51.98 | 11 |
| 33.60S ribosomal protein L3 | B4FFZ6 | 44578.10 | 10.12 | 103647030 | 15.12 | 20.05 | 8 | 7.26 | 12.08 | 3 | 9.06 | 15.68 | 5 |
| 34. Farnesyl pyrophosphate synthase | P49353 | 40013.59 | 5.13 | FPS | 15.03 | 33.43 | 8 | 9.18 | 22.29 | 4 | 9.68 | 55.69 | 2 |
| 35. 40S ribosomal protein S4 | O22424 | 30017.06 | 10.16 | RPS4 | 14.60 | 33.21 | 8 | 9.53 | 26.42 | 5 | 6.86 | 13.96 | 3 |
| 36.Late embryogenesis abundant protein Lea14-A | B6UH99 | 16088.45 | 5.64 | Lea14A | 14.39 | 55.26 | 7 | 14.92 | 63.82 | 8 | 12.29 | 43.99 | 6 |
| 37. Late embryogenesis abundant protein D-34 | B6UH67 | 27177.35 | 5.41 | 100286284 | 14.00 | 44.33 | 9 | 8.97 | 28.87 | 4 | 12.29 | 43.99 | 6 |
| 38.Endoplasmin | B6U0V6 | 90021.91 | 4.83 | N/A | 13.98 | 11.07 | 7 | 2.95 | 1.99 | 1 | 2.03 | 1.62 | 1 |
| 39. Putative mediator of RNA polymerase II transcription subunit 37c | K7VW90 | 70956.43 | 5.20 | 103635762 | 46.21 | 35.90 | 31 | 25.47 | 19.41 | 11 | 35.80 | 31.74 | 17 |
| 40. Nucleotide diphosphate kinase1 | B4FK49 | 16540.97 | 6.30 | ndpk1 | 12.21 | 51.68 | 6 | 2.99 | 6.04 | 1 | 5.37 | 33.91 | 3 |
| 41.Prolamin PPROL 17 precursor | B6UH22 | 17696.85 | 6.74 | N/A | 12.12 | 47.22 | 38 | 5.42 | 30.56 | 7 | 5.60 | 30.56 | 7 |
| 42. Chaperonin CPN60-1, mitochondrial precursor | P29185 | 57516.29 | 5.24 | CPN60I | 11.79 | 11.79 | 6 | 14.71 | 16.64 | 6 | 10.76 | 17.16 | 5 |
| 43.Embryonic protein DC-8-like | B6SGN7 | 30519.61 | 7.15 | 100280469 | 11.78 | 21.12 | 7 | 20.68 | 19.70 | 9 | 14.48 | 17.05 | 7 |
| 44. 16.9 kDa class I heat shock protein 1 | B4G197 | 17223.46 | 5.81 | 100286044 | 11.74 | 67.11 | 9 | 8.83 | 35.53 | 5 | 7.54 | 30.92 | 4 |
| 45. Pyruvate kinase | A0A1D6NGT8 | 62808.82 | 6.43 | 606466 | 11.67 | 18.79 | 7 | 2.36 | 2.28 | 1 | 3.42 | 3.04 | 1 |
| 46. Ppi-phosphofructokinase | A7XFT7 | 7586.56 | 4.85 | N/A | 11.54 | 17.02 | 6 | 9.68 | 10.28 | 4 | 7.46 | 10.82 | 4 |
| 47. DIMBOA UDP-glucosyltransferase BX9 | B4G072 | 50017.25 | 5.15 | BX9 | 11.58 | 18.53 | 6 | 6.21 | 9.96 | 3 | 3.93 | 6.93 | 2 |
| 48. Proteasome subunit alpha type 1 | Q9FER4 | 27403.21 | 6.10 | paa | 6.72 | 25.55 | 4 | 7.92 | 24.82 | 4 | 5.30 | 18.98 | 3 |
| 49. Transaminase/ transferase, transferring nitrogenous groups | B6TMW7 | 43531.12 | 5.07 | 100285201 | 11.25 | 21.32 | 6 | 6.98 | 16.19 | 4 | 4.53 | 7.11 | 2 |
| 50. Alanine aminotransferase | O82443 | 52997.75 | 6.29 | alt | 33.64 | 40.87 | 21 | 19.17 | 28.01 | 9 | 23.46 | 37.14 | 9 |
| 51. Histone H2B.2 | P30756 | 16042.72 | 10.08 | N/A | 10.45 | 45.39 | 10 | 3.48 | 14.04 | 1 | 6.02 | 17.33 | 2 |
| 52. Benzoxazinone synthesis 8 | A0A1D6PP72 | 17307.58 | 5.48 | ZEAMMB73\_Zm00001d048707 | 9.44 | 16.70 | 6 | 6.15 | 9.59 | 3 | 10.90 | 17.31 | 5 |
| 53.Glucose-6-phosphate isomerase, cytosolic | P49105 | 62237.27 | 6.96 | PHI1 | 8.31 | 14.29 | 5 | 7.19 | 6.17 | 3 | 7.75 | 10.76 | 4 |
| 54. Probable non-specific lipid-transfer protein 2 | P83506 | 161430.40 | 6.94 | N/A | 8.29 | 62.63 | 7 | 2.00 | 11.38 | 1 | 4.06 | 31.31 | 3 |
| 55.Actin-depolymerizing factor 3 | Q41764 | 15899.93 | 5.46 | ADF3 | 7.22 | 38.13 | 6 | 2.10 | 8.63 | 1 | 1.57 | 11.51 | 1 |
| 56. YLS5 | B4F871 | 41209.28 | 5.37 | 100280536 | 6.82 | 17.05 | 4 | 7.82 | 16.02 | 4 | 8.21 | 15.50 | 4 |
| 57. Mitochondrial prohibitin complex protein 2 | B4FMS7 | 42165.38 | 6.64 | 541818 | 6.40 | 16.26 | 3 | 4.00 | 13.49 | 2 | 4.00 | 14.88 | 2 |
| 58. Cysteine synthase | P80608 | 34206.51 | 5.91 | N/A | 1.73 | 5.78 | 2 | 7.60 | 16.31 | 4 | 5.35 | 11.08 | 3 |
| 59. Endochitinase A | P29022 | 26808.72 | 8.16 | CHIA | 7.56 | 27.04 | 5 | 3.66 | 18.45 | 2 | 1.73 | 8.16 | 1 |
| 60. Indole-3-acetate beta-glucosyltransferase | Q41819 | 49710.40 | 5.75 | IAGLU | 5.61 | 7.64 | 4 | 2.80 | 2.97 | 1 | 3.45 | 2.97 | 1 |
| 61. Aspartate aminotransferase | B4F9G1 | 47733.62 | 6.90 | 100274119 | 5.52 | 10.00 | 3 | 8.30 | 13.72 | 4 | 9.52 | 20.93 | 5 |
| 62. Peripheral-type benzodiazepine receptor | B6SQ48 | 18376.38 | 11.10 | 100280949 | 5.32 | 29.26 | 4 | 2.99 | 7.45 | 1 | 1.43 | 7.45 | 1 |
| 63. Tryptophan aminotransferase | F2FB37 | 56809.86 | 7.34 | vt2 | 5.17 | 9.75 | 4 | 4.00 | 7.42 | 2 | 3.94 | 11.37 | 3 |
| 64. Putative TCP-1/cpn60 chaperonin family protein | K7UCH1 | 58906.54 | 5.29 | 103654524 | 4.77 | 7.53 | 3 | 2.43 | 2.06 | 1 | 1.44 | 4.11 | 1 |
| 665. Endosperm glucose-1-phosphate adenylyltransferase large subunit 1 | P55241 | 52075.34 | 5.86 | SH2 | 61.54 | 68.02 | 45 | 33.16 | 43.10 | 16 | 42.34 | 46.51 | 20 |
| 66. Hydroxymethyltransferase-like protein | Q8RVC9 | 46627.46 | 8.51 | N/A | 4.59 | 7.60 | 3 | 2.85 | 3.04 | 1 | 4.25 | 8.56 | 3 |
| 67. Translocon-associated protein beta containing protein | B6TGJ2 | 18565.27 | 9.67 | N/A | 4.38 | 24.61 | 3 | 2.96 | 14.14 | 2 | 3.74 | 16.23 | 2 |
| 68. Aminoaldehyde dehydrogenase 1b | G5DDC2 | 55080.26 | 5.22 | AMADH1b | 4.13 | 8.70 | 2 | 2.92 | 6.32 | 1 | 2.46 | 6.32 | 1 |
| 69. GTP-binding protein SAR1A | B4FPT6 | 58379.17 | 5.87 | 542172 | 4.04 | 9.33 | 2 | 2.06 | 5.00 | 1 | 2.00 | 7.77 | 1 |
| 70. Glycine-rich RNA-binding protein 2 | B6SIF0 | 15764.28 | 6.58 | 100283778 | 6.05 | 35.26 | 4 | 2.22 | 9.03 | 1 | 4.15 | 28.85 | 2 |
| 71. Cysteine protease 1, partial | Q10716 | 25233.17 | 5.45 | CCP1 | 4.02 | 6.13 | 2 | 2.00 | 5.39 | 1 | 2.00 | 22.22 | 1 |
| 72. Tubulin alpha-3 chain | P22275 | 49560.94 | 5.09 | TUBA3 | 15.40 | 29.11 | 8 | 9.15 | 14.00 | 4 | 12.87 | 21.06 | 6 |
| 73. Protein disulfide isomerase | P52588 | 54688.87 | 5.11 | PDI | 37.10 | 41.52 | 21 | 32.72 | 39.11 | 17 | 19.63 | 25.73 | 9 |
| 74. 14-3-3-like protein GF14-6 | P49106 | 29662.45 | 4.76 | GRF1 | 27.34 | 53.48 | 15 | 16.63 | 41.76 | 8 | 14.93 | 40.23 | 7 |
| 75. Carbonyl reductase 1 | B6U607 | 32682.28 | 6.16 | N/A | 2.00 | 6.52 | 1 | 4.05 | 16.61 | 2 | 4.21 | 16.61 | 2 |
| 76. ADP-glucose pyrophosphorylase small subunit (plastid) | P55240 | 13246.22 | 5.56 | GLG1 | 64.58 | 71.07 | 47 | - | - | - | 26.52 | 35.98 | 12 |
| 77. Peroxidase 1 | A5H8G4 | 35172.71 | 5.98 | PER1 | 10.46 | 21.83 | 5 | - | - | - | 5.15 | 8.26 | 2 |
| 78. Chitinase | S5TEJ2 | 30060.46 | 7.95 | N/A | 43.54 | 90.94 | 44 | - | - | - | 20.81 | 51.45 | 12 |
| 79. Zein-beta precursor | P06673 | 17559.43 | 7.72 | N/A | 25.82 | 41.53 | 33 | - | - | - | 2.00 | 14.75 | 3 |
| 80. Tubulin alpha-2 chain | P14641 | 49731.07 | 4.89 | TUBA2 | 18.40 | 35.70 | 10 | - | - | - | 12.87 | 21.06 | 6 |
| 81. Acetolactate synthase 1 | Q41768 | 65019.67 | 5.82 | ALS1 | 13.08 | 15.36 | 7 | - | - | - | 1.61 | 2.74 | 1 |
| 82. Sucrose synthase 2 | P49036 | 92939.24 | 6.03 | SUS1 | 18.42 | 12.36 | 9 | - | - | - | 13.95 | 13.23 | 7 |
| 83. Transaldolase 2 | B6TS84 | 46131.63 | 6.39 | N/A | 11.82 | 20.47 | 6 | - | - | - | 3.14 | 5.58 | 2 |
| 84.Pyruvate decarboxylase 3 | Q05327 | 22297.00 | 5.21 | PDC3 | 10.86 | 12.05 | 5 | - | - | - | 11.72 | 14.19 | 6 |
| 85.Translationally-controlled tumor protein homolog | Q8H6A5 | 18690.06 | 4.52 | TCTP | 9.54 | 47.31 | 5 | - | - | - | 1.48 | 9.58 | 1 |
| 86. Lipoprotein | B6SKL9 | 48937.23 | 6.40 | N/A | 9.24 | 27.31 | 7 | - | - | - | 8.17 | 19.33 | 4 |
| 87. Pectinesterase inhibitor domain containing protein | B6T2U1 | 20499.63 | 4.68 | 100282038 | 6.04 | 31.15 | 5 | - | - | - | 2.79 | 8.20 | 1 |
| 88. Phospholipase D family protein | Q43270 | 92242.26 | 5.36 | PLD1 | 6.37 | 6.53 | 4 | - | - | - | 3.03 | 1.75 | 1 |
| 89. Phospholipid transfer protein precursor | P19656 | 9054.16 | 9.12 | N/A | 6.07 | 23.47 | 3 | - | - | - | 4.21 | 28.10 | 2 |
| 90. 3-hydroxybutyryl-CoA dehydrogenase | B4F890 | 31670.84 | 9.00 | 100191282 | 3.76 | 9.36 | 2 | - | - | - | 1.54 | 4.35 | 1 |
| 91. 40S ribosomal protein S11 | P25460 | 17689.82 | 10.59 | RPS11 | 5.79 | 21.38 | 3 | - | - | - | 2.09 | 8.13 | 1 |
| 92. Sucrose-phosphatase 1 | Q9FQ11 | 47213.59 | 5.48 | SPP1 | 5.62 | 10.17 | 4 | - | - | - | 1.40 | 3.07 | 1 |
| 93. 60S ribosomal protein L4 | B6SK79 | 44441.63 | 10.51 | N/A | 20.96 | 32.67 | 10 | - | - | - | 14.56 | 27.97 | 6 |
| 94. Alcohol dehydrogenase class 3 | P93629 | 40771.93 | 6.37 | FDH | 6.86 | 11.81 | 3 | - | - | - | 1.82 | 7.09 | 1 |
| 95. 26S protease regulatory subunit S10B | B4FTV9 | 44571.28 | 7.03 | 100282100 | 4.08 | 6.00 | 2 | - | - | - | 3.46 | 6.75 | 2 |
| 96. Actin-2 | B6SI11 | 41679.72 | 5.31 | 100280540 | 25.61 | 48.81 | 16 | - | - | - | 19.45 | 37.93 | 9 |
| 97. Anthocyanidin 3-O-glucosyltransferase | P16166 | 48769.46 | 5.39 | BZ1 | 2.56 | 5.21 | 2 | - | - | - | 2.12 | 5.00 | 1 |
| 98. Opaque 2 modifier | E2IKR0 | 21806.34 | 8.20 | N/A | 37.34 | 59.19 | 29 | - | - | - | 2.52 | 8.52 | 1 |
| 99. Histone H2B.1 | P30755 | 16289.07 | 10.00 | N/A | 8.33 | 39.74 | 9 | - | - | - | 7.46 | 18.42 | 3 |
| 100. Nitrilase/cyanide hydratase and apolipoprotein N-acyltransferase family protein, partial | A0A097PLA8 | 33070.61 | 5.94 | N/A | 2.59 | 9.60 | 2 | - | - | - | 2.44 | 8.28 | 1 |
| 101. Ethylene-responsive protein | B6TIX1 | 29770.23 | 5.78 | N/A | 2.18 | 6.94 | 1 | - | - | - | 4.82 | 9.95 | 3 |
| 102. Legumin 1 | Q946V2 | 49317.13 | 6.23 | 541640 | 48.69 | 60.46 | 42 | 36.52 | 47.62 | 22 | - | - | - |
| 103. Glutelin-2 precursor | P04706 | 21822.34 | 8.20 | N/A | 39.88 | 59.19 | 42 | 2.48 | 8.52 | 3 | - | - | - |
| 104. Proteasome subunit alpha type 1 | A3FMB9 | 27227.96 | 8.30 | PAD1 | 9.19 | 21.54 | 5 | 7.92 | 24.82 | 4 | - | - | - |
| 105. HSP protein | C3UZ63 | 80362.22 | 4.97 | HSP90-2 | 26.66 | 20.03 | 13 | 9.78 | 9.44 | 5 | - | - | - |
| 106. Histone H4 | P62787 | 11278.19 | 11.48 | H4C7 | 18.64 | 47.54 | 14 | 8.09 | 41.75 | 3 | - | - | - |
| 107. Barwin | A0A3L6F9G0 | 13357.72 | 4.88 | BARW\_2 | 10.30 | 51.01 | 7 | 1.76 | 11.41 | 1 | - | - | - |
| 109. Cell division control protein 48 homolog E-like | A0A1D6MLB8 | 15218.62 | 5.25 | ZEAMMB73\_Zm00001d039849 | 10.03 | 11.94 | 5 | 8.64 | 7.71 | 4 | - | - | - |
| 109. Histone H2A | P40280 | 16427.43 | 10.58 | N/A | 9.64 | 41.46 | 6 | 1.75 | 14.74 | 1 | - | - | - |
| 110. Rab GDP dissociation inhibitor alpha | A0A1D6FQ39 | 21945.33 | 7.78 | 100501867 | 9.57 | 19.33 | 6 | 7.44 | 15.28 | 4 | - | - | - |
| 111. 26S proteasome non-ATPase regulatory subunit 2 homolog A | A0A1D6QT44 | 41454.14 | 4.68 | 103654920 | 6.86 | 5.38 | 4 | 2.19 | 1.68 | 1 | - | - | - |
| 112. Trypsin/factor XIIA inhibitor | P01088 | 11893.74 | 6.51 | N/A | 6.19 | 32.39 | 6 | 6.58 | 28.65 | 3 | - | - | - |
| 113. Heat shock protein 17.2 | Q43701 | 17162.36 | 5.54 | Zmhsp 17.2 | 6.96 | 35.53 | 5 | 6.14 | 35.53 | 4 | - | - | - |
| 114. Aminomethyltransferase | B6TQ06 | 44034.54 | 8.36 | 100279332 | 2.64 | 6.55 | 2 | 2.07 | 5.90 | 1 | - | - | - |
| 115. Ferritin-1, chloroplastic | P29036 | 23646.60 | 5.16 | FER1 | 1.54 | 11.99 | 2 | 2.00 | 11.42 | 1 | - | - | - |
| 116. Stromal heat shock protein | A0A3L6G9D8 | 74670.45 | 5.08 | HSP70\_8 | 25.43 | 22.90 | 13 | 12.86 | 11.52 | 7 | - | - | - |
| 117. Sucrose synthase 1 isoform X1 | Q8L5H0 | 91926.05 | 6.14 | N/A | - | - | - | 60.39 | 43.39 | 31 | 66.76 | 46.38 | 32 |
| 118. GBSS1 | F5A849 | 22256.49 | 9.14 | waxy | - | - | - | 65.24 | 56.77 | 37 | 65.18 | 57.59 | 37 |
| 119. Uncleaved legumin-1 | Q948J8 | 49054.87 | 6.12 | LEGUMIN1 | - | - | - | 38.31 | 54.15 | 22 | 41.32 | 52.80 | 22 |
| 120. Cytosolic ADP-glucose pyrophosphorylase small subunit | P55234 | 52712.24 | 6.50 | AGP2 | - | - | - | 28.60 | 48.21 | 14 | 33.91 | 53.68 | 17 |
| 121. Sorbitol dehydrogenase | A0A1D6KL30 | 39042.24 | 6.27 | 100283066 | - | - | - | 29.77 | 56.44 | 19 | 30.96 | 55.07 | 18 |
| 122. 2-isopropylmalate synthase B | A0A1D6QHF8 | 71459.19 | 8.42 | ZEAMMB73\_Zm00001d052472 | - | - | - | 27.63 | 33.01 | 14 | 30.55 | 39.90 | 15 |
| 123. Aldose reductase | E9JVD4 | 21528.86 | 9.22 | AR3 | - | - | - | 17.85 | 33.23 | 9 | 29.29 | 44.20 | 12 |
| 1124. Chitinase | Q6JBL3 | 54062.56 | 5.19 | chiA | - | - | - | 25.17 | 57.76 | 15 | 26.97 | 71.33 | 16 |
| 125. Adenine nucleotide transporter BT1, chloroplastic/amyloplastic/mitochondrial precursor | P29518 | 46627.46 | 8.51 | BT1 | - | - | - | 17.47 | 17.16 | 7 | 25.27 | 30.66 | 11 |
| 126. Putative alpha-glucosidase Os06g0675700 isoform X2 | A0A3L6E900 | 98803.18 | 6.73 | Os06g0675700 | - | - | - | 12.09 | 9.32 | 6 | 22.57 | 15.68 | 10 |
| 127. 1,4-alpha-glucan-branching enzyme 2, chloroplastic/amyloplastic precursor | Q08047 | 84923.32 | 5.56 | SBE1 | - | - | - | 26.31 | 21.28 | 13 | 22.09 | 16.02 | 11 |
| 128. Allene oxide synthase 1 | C0P4G2 | 30519.61 | 7.15 | 542150 | - | - | - | 20.27 | 31.54 | 9 | 17.98 | 26.76 | 8 |
| 129. 14-3-3-like protein | B6SRI4 | 28947.65 | 4.82 | 103643291 | - | - | - | 8.28 | 23.13 | 4 | 14.14 | 41.02 | 7 |
| 130. Putative DEAD-box ATP-dependent RNA helicase family protein | A0A1D6PS30 | 53838.22 | 8.99 | ZEAMMB73\_Zm00001d049075 | - | - | - | 14.97 | 26.28 | 7 | 14.72 | 23.19 | 7 |
| 131. Translational initiation factor eIF-4A | O24449 | 46981.80 | 5.38 | tif-4A3 | - | - | - | 16.42 | 29.71 | 8 | 14.72 | 23.19 | 7 |
| 132. 3-ketoacyl-CoA thiolase 2, peroxisomal precursor | B4FBK8 | 47958.90 | 8.59 | 100192501 | - | - | - | 13.10 | 25.81 | 6 | 14.48 | 28.63 | 8 |
| 133. Zeamatin precursor | P33679 | 22128.86 | 8.16 | zlp | - | - | - | 13.35 | 52.86 | 7 | 14.36 | 57.27 | 7 |
| 134. Stromal 70 kDa heat shock-related protein | B6UFB3 | 74670.45 | 5.08 | N/A | - | - | - | 12.86 | 11.52 | 7 | 14.79 | 13.09 | 8 |
| 135. Tubulin beta-6 chain | Q41783 | 50203.53 | 4.74 | TUBB6 | - | - | - | 10.42 | 10.09 | 4 | 12.14 | 13.90 | 5 |
| 136. Tubulin alpha-1 chain-like | P14640 | 49731.07 | 4.89 | TUBA1 | - | - | - | 11.18 | 17.52 | 5 | 12.87 | 21.06 | 6 |
| 137. Rab28 | A0A1D6JP57 | 28407.97 | 4.51 | 103631743 | - | - | - | 8.18 | 30.22 | 4 | 12.00 | 46.04 | 6 |
| 138. Poly [ADP-ribose] polymerase 3 | A0A1D6H9V3 | 58131.27 | 6.44 | 103627237 | - | - | - | 12.32 | 12.56 | 6 | 10.99 | 10.65 | 5 |
| 139. Histone H4.3 | Q41811 | 11420.36 | 11.66 | H4 | - | - | - | 9.31 | 45.69 | 4 | 10.40 | 51.72 | 6 |
| 140. Heat shock 70 kDa protein | A0A1D6GMN4 | 72692.40 | 5.62 | 100285374 | - | - | - | 5.51 | 4.13 | 2 | 9.94 | 9.52 | 4 |
| 141. truncated farnesyl diphosphate synthase, partial | Q84ZW8 | 61634.12 | 5.29 | TPS1 | - | - | - | 9.18 | 22.87 | 4 | 9.91 | 29.14 | 5 |
| 142. 40S ribosomal protein SA | A0A3L6FZV3 | 32987.90 | 5.54 | GSVIVT00034021001\_0 | - | - | - | 9.17 | 25.41 | 5 | 9.08 | 25.32 | 5 |
| 143. 22.0 kDa class IV heat shock protein precursor | A0A1D6F559 | 20207.96 | 5.98 | ZEAMMB73\_Zm00001d007271 | - | - | - | 12.53 | 34.62 | 6 | 8.92 | 30.29 | 4 |
| 144. 60S ribosomal protein L2 | B4F9R4 | 28102.28 | 11.08 | 100191681 | - | - | - | 9.53 | 27.59 | 6 | 7.90 | 23.85 | 5 |
| 145. 40S ribosomal protein S14 | P19951 | 16262.64 | 10.56 | N/A | - | - | - | 9.66 | 42.67 | 5 | 8.38 | 41.33 | 4 |
| 146. polygalacturonase inhibitor 1 precursor | B4F960 | 41489.09 | 4.63 | 100191542 | - | - | - | 6.09 | 20.49 | 3 | 8.00 | 20.54 | 4 |
| 147. Elongation factor gamma1 | A0A1D6LSP5 | 43457.95 | 5.91 | 100192872 | - | - | - | 9.76 | 17.02 | 4 | 7.88 | 14.40 | 3 |
| 148. Elongation factor 1-gamma 3 | A0A1D6P279 | 29330.92 | 9.04 | 100282446 | - | - | - | 7.49 | 14.39 | 4 | 7.88 | 13.19 | 3 |
| 149. UMP synthase | Q9LKI4 | 51247.46 | 7.23 | UMPS | - | - | - | 6.93 | 4.47 | 3 | 7.33 | 4.47 | 3 |
| 150. uridine 5-monophosphate synthase | A0A3L6FEB7 | 52617.97 | 8.89 | Zm00014a\_020727 | - | - | - | 6.07 | 10.78 | 3 | 6.68 | 10.78 | 3 |
| 151. Heat shock 70 kDa protein 4 | B6SV64 | 92333.90 | 5.19 | N/A | - | - | - | 6.17 | 5.66 | 3 | 7.26 | 7.08 | 4 |
| 152. Putative mitochondrial import inner membrane translocase subunit Tim17 family protein | K7V549 | 13792.07 | 11.66 | ZEAMMB73\_Zm00001d053336 | - | - | - | 1.71 | 23.08 | 1 | 6.82 | 46.15 | 3 |
| 153. 40S ribosomal protein S3 | B6TB97 | 25557.85 | 9.53 | 100282772 | - | - | - | 6.32 | 22.81 | 3 | 6.45 | 26.75 | 4 |
| 154. 60S ribosomal protein L5-1 | A0A1D6N4X3 | 34439.91 | 9.33 | 103650892 | - | - | - | 7.15 | 22.52 | 3 | 6.43 | 15.56 | 3 |
| 155. Endosperm specific protein 1 precursor | O04288 | 41488.36 | 9.75 | N/A | - | - | - | 13.34 | 21.61 | 7 | 6.32 | 11.94 | 3 |
| 156. 60S ribosomal protein L9 | B6TH42 | 21373.92 | 9.76 | 100283325 | - | - | - | 4.31 | 20.53 | 3 | 6.29 | 26.32 | 3 |
| 157. proliferation-associated protein 2G4 | B6TBW4 | 43231.58 | 6.58 | 100282838 | - | - | - | 4.31 | 7.36 | 2 | 6.01 | 8.88 | 2 |
| 158. Fructose-bisphosphate aldolase cytoplasmic isozyme | P08440 | 38604.19 | 7.52 | N/A | - | - | - | 34.90 | 68.45 | 17 | 39.68 | 61.13 | 22 |
| 159. Corticosteroid 11-beta-dehydrogenase isozyme 1 | B6SIJ0 | 38551.08 | 6.01 | N/A | - | - | - | 12.07 | 26.65 | 6 | 5.74 | 15.47 | 3 |
| 160. 2,3-bisphosphoglycerate-independent phosphoglycerate mutase | P30792 | 60619.62 | 5.29 | N/A | - | - | - | 5.63 | 10.02 | 3 | 5.73 | 7.87 | 2 |
| 161. 40S ribosomal protein S6 | Q9FYS0 | 28544.24 | 10.72 | rps6-2 | - | - | - | 6.82 | 18.73 | 3 | 5.61 | 18.73 | 3 |
| 162. 60S ribosomal protein L10-3 | B6T5B9 | 24909.05 | 10.26 | ZEAMMB73\_Zm00001d033128 | - | - | - | 3.38 | 11.82 | 2 | 5.56 | 13.64 | 2 |
| 163. phosphoenolpyruvate carboxylase | Q9SAZ6 | 109428.84 | 5.75 | Ppc1C | - | - | - | 9.74 | 5.21 | 4 | 5.54 | 4.48 | 2 |
| 164. Heat shock protein 82 | Q08277 | 81890.63 | 4.99 | HSP82 | - | - | - | 9.17 | 7.14 | 4 | 7.16 | 5.04 | 3 |
| 165. Triose phosphate isomerase4 | A0A1D6MLF6 | 27747.74 | 5.36 | 100272481 | - | - | - | 14.90 | 33.60 | 8 | 10.35 | 37.20 | 6 |
| 166. SNF1-related protein kinase regulatory subunit gamma-like PV42a | A0A3L6EPZ8 | 44931.05 | 5.24 | PV42A | - | - | - | 4.18 | 10.82 | 2 | 5.28 | 10.82 | 2 |
| 167. RuBisCO large subunit-binding protein subunit beta | A0A3L6EXQ7 | 123414.01 | 6.10 | RUBB\_1 | - | - | - | 3.73 | 4.13 | 2 | 5.24 | 8.46 | 3 |
| 168. Pathogenesis-related protein 1 | A0A317YDI2 | 16873.21 | 5.18 | PR1\_10 | - | - | - | 2.00 | 13.75 | 1 | 5.03 | 29.37 | 3 |
| 169. Prohibitin 2 | A0A3L6G025 | 42636.01 | 9.34 | PHB2 | - | - | - | 4.83 | 12.68 | 2 | 4.82 | 16.55 | 2 |
| 170. Catalase-1 | P18122 | 56877.46 | 7.40 | CAT1 | - | - | - | 9.10 | 13.01 | 4 | 4.49 | 6.10 | 2 |
| 171. Osmotin-like protein precursor | A0A1D6PN32 | 42165.38 | 6.64 | ZEAMMB73\_Zm00001d048618 | - | - | - | 5.04 | 17.34 | 2 | 4.26 | 13.31 | 2 |
| 172. Peptidase beta subunit | K7VKM2 | 58379.17 | 5.87 | ZEAMMB73\_Zm00001d048102 | - | - | - | 3.31 | 3.40 | 1 | 4.22 | 6.98 | 2 |
| 173. 40S ribosomal protein S13 | Q05761 | 17058.17 | 10.45 | RPS13 | - | - | - | 3.79 | 11.92 | 2 | 4.18 | 22.52 | 2 |
| 174. Globulin 1, partial | D2IQ32 | 24053.72 | 8.56 | glb1 | - | - | - | 11.01 | 30.63 | 11 | 19.91 | 42.34 | 17 |
| 175. 40S ribosomal protein S7 | A0A1D6J2Q6 | 12370.48 | 9.56 | ZEAMMB73\_Zm00001d024917 | - | - | - | 4.87 | 19.79 | 2 | 4.00 | 19.79 | 2 |
| 176. USP(universal stress protein) family protein | B6TWE1 | 28058.48 | 4.93 | N/A | - | - | - | 2.00 | 10.78 | 1 | 4.00 | 23.95 | 2 |
| 177. T-cytoplasm male sterility restorer factor 2 | Q94FY1 | 10477.82 | 4.78 | rf2 | - | - | - | 8.09 | 14.39 | 4 | 4.46 | 7.29 | 2 |
| 178. Late embryogenesis abundant protein EMB564 | P46517 | 9683.51 | 6.61 | N/A | - | - | - | 3.03 | 13.19 | 1 | 3.91 | 15.38 | 2 |
| 179.Membrane steroid-binding protein 1 | B6TD62 | 24567.60 | 4.57 | 100282951 | - | - | - | 2.05 | 13.36 | 1 | 3.76 | 19.83 | 2 |
| 180. 60S acidic ribosomal protein P0 | O24573 | 34373.47 | 5.19 | RP-P0 | - | - | - | 3.55 | 7.84 | 2 | 3.72 | 4.08 | 1 |
| 181.Aquaporin PIP2.1 | Q84RL7 | 30214.93 | 7.69 | PIP2-1 | - | - | - | 2.12 | 4.83 | 1 | 3.49 | 7.93 | 2 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 182.T-complex protein 1 subunit beta | A0A3L6FD59 | 57395.20 | 5.56 | CCT2\_3 | - | - | - | 4.42 | 5.52 | 2 | 1.41 | 2.67 | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 183.Elongation factor 1-alpha-like | Q41803 | 26893.71 | 9.19 | EF1A | - | - | - | 22.06 | 31.32 | 12 | 22.39 | 32.66 | 11 |
| 184.Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex | A0A1D6J5X4 | 29897.70 | 9.18 | ZEAMMB73\_Zm00001d025258 | - | - | - | 2.78 | 4.04 | 1 | 3.09 | 7.18 | 2 |
| 185.Xylanase inhibitor protein 1 | K7TWD3 | 31398.06 | 6.25 | 103640665 | - | - | - | 1.09 | 4.64 | 1 | 2.91 | 7.74 | 2 |
| 186.IQ calmodulin-binding motif family protein | B6SSD5 | 50515.03 | 10.54 | 100281119 | - | - | - | 4.17 | 5.67 | 2 | 2.82 | 4.05 | 1 |
| 187.40S ribosomal protein S9 | B6T7B2 | 22431.93 | 10.32 | 100282862 | - | - | - | 3.51 | 10.31 | 2 | 2.77 | 5.67 | 1 |
| 188.Aspartic proteinase nepenthesin-1 | A0A1D6EXG0 | 44432.97 | 5.82 | ZEAMMB73\_Zm00001d006525 | - | - | - | 8.46 | 11.75 | 5 | 2.61 | 3.10 | 1 |
| 189.Proline iminopeptidase | B4FQC9 | 36602.16 | 5.24 | 100272740 | - | - | - | 4.06 | 9.63 | 2 | 2.50 | 5.08 | 1 |
| 190.Succinate semialdehyde dehydrogenase | A0A1D6H1N0 | 17548.36 | 4.99 | ZEAMMB73\_Zm00001d015405 | - | - | - | 4.22 | 7.10 | 2 | 2.48 | 3.42 | 1 |
| 191.L-ascorbate peroxidase 1, cytosolic | A0A3L6DFG2 | 27307.94 | 5.56 | APX1\_5 | - | - | - | 2.00 | 13.33 | 2 | 2.05 | 12.12 | 1 |
| 192.Tubulin beta-5 chain | Q43697 | 50043.38 | 4.77 | TUBB5 | - | - | - | 10.57 | 10.11 | 4 | 10.22 | 18.22 | 5 |
| 193.Legumin-like protein | Q84TL6 | 38078.52 | 6.23 | cl2-2 | - | - | - | 13.65 | 29.48 | 7 | 17.79 | 35.81 | 8 |
| 194.Alliin lyase | A0A125R8S9 | 47553.03 | 5.19 | TAR3 | - | - | - | 4.83 | 7.26 | 2 | 2.00 | 3.91 | 1 |
| 195.16 kDa gamma zein | P08031 | 17750.25 | 6.82 | N/A | - | - | - | 2.05 | 15.00 | 3 | 2.00 | 15.00 | 3 |
| 196.Z1D alpha zein protein, partial | A8HNN2 | 24436.21 | 7.84 | N/A | - | - | - | 3.80 | 21.10 | 2 | 2.00 | 11.47 | 1 |
| 197.Putative ribosomal protein S8 family protein | K7WCU8 | 14952.44 | 10.11 | ZEAMMB73\_Zm00001d047262 | - | - | - | 3.70 | 26.15 | 2 | 1.85 | 16.19 | 1 |
| 198.Late embryogenesis abundant protein D-34-like | A0A317Y2P9 | 25711.84 | 4.99 | LEA34\_2 | - | - | - | 8.97 | 28.87 | 4 | 1.87 | 7.90 | 1 |
| 199.Chitinase | A0A1P7ZDI4 | 26833.73 | 7.57 | chiA | - | - | - | 25.17 | 57.97 | 15 | 24.56 | 67.49 | 15 |
| 200.60S ribosomal protein L27 | B4FEE3 | 15636.62 | 10.47 | 103642077 | - | - | - | 4.17 | 23.36 | 2 | 1.73 | 8.03 | 1 |
| 201.Salt tolerance protein | K7TR53 | 27813.67 | 4.80 | ZEAMMB73\_Zm00001d025957 | - | - | - | 5.07 | 10.34 | 3 | 1.70 | 3.45 | 1 |
| 202.Clathrin heavy chain 1 | A0A3L6F798 | 170232.58 | 5.27 | Os11g0104900\_1 | - | - | - | 3.51 | 1.36 | 2 | 1.60 | 0.71 | 1 |
| 203.60S ribosomal protein L5-1 | A0A1D6JMR7 | 34443.13 | 9.39 | 103631647 | - | - | - | 7.15 | 22.52 | 3 | 1.93 | 7.74 | 1 |
| putative translation 204.Elongation/initiation factor family protein | A0A1D6EEC1 | 59297.97 | 5.62 | 103646667 | - | - | - | 3.02 | 6.86 | 2 | 1.43 | 3.96 | 1 |
| 205.GBSS1 | P04713 | 65966.67 | 6.59 | WAXY | 126.47 | 81.19 | 150 | - | - | - | - | - | - |
| 206.Zein-alpha 19C1; 19 kDa zein | P06676 | 26254.65 | 8.52 | N/A | 64.45 | 87.50 | 50 | - | - | - | - | - | - |
| 207.Cytosolic ADP-glucose pyrophosphorylase small subunit | D3YKV1 | 52198.65 | 5.30 | 100192522 | 58.38 | 80.00 | 40 | - | - | - | - | - | - |
| 208.Amylose extender1 | Q84JL4 | 6613.74 | 10.16 | ae1 | 58.06 | 57.70 | 35 | - | - | - | - | - | - |
| 209.UDP-glucose pyrophosphorylase1 | Q3SAE4 | 56674.94 | 7.62 | 541902 | 47.31 | 63.64 | 29 | - | - | - | - | - | - |
| 210.Allene oxide synthase1 | Q6RW10 | 53062.79 | 6.54 | aos | 44.07 | 45.64 | 23 | - | - | - | - | - | - |
| 211.Protein disulfide isomerase | Q5EUD8 | 61888.65 | 4.74 | PDIL1-4 | 43.62 | 48.05 | 24 | - | - | - | - | - | - |
| 212.Zein-alpha Z4 | P04701 | 29206.21 | 8.89 | N/A | 42.47 | 61.05 | 34 | - | - | - | - | - | - |
| 213.Sorbitol dehydrogenase homolog1 | Q0QWI2 | 39088.33 | 6.27 | N/A | 42.04 | 75.89 | 37 | - | - | - | - | - | - |
| 5-214.Methyltetrahydropteroyltriglutamate--homocysteine methyltransferase 1 | B6UF55 | 84470.41 | 5.85 | 100286153 | 39.28 | 37.08 | 20 | - | - | - | - | - | - |
| 215.Alpha-1,4 glucan phosphorylase L isozyme, chloroplastic/amyloplastic | B2ZSP8 | 77721.63 | 5.16 | N/A | 36.22 | 27.13 | 20 | - | - | - | - | - | - |
| 216.Aspartic proteinase nepenthesin-1 | B6TS94 | 46196.31 | 5.06 | N/A | 34.11 | 41.69 | 19 | - | - | - | - | - | - |
| 217.2-isopropylmalate synthase B | K7UB17 | 68705.68 | 6.57 | ZEAMMB73\_Zm00001d052472 | 31.07 | 35.74 | 15 | - | - | - | - | - | - |
| 218.Aspartic proteinase oryzasin-1 isoform X1 | B6T706 | 54613.33 | 5.43 | N/A | 31.66 | 50.00 | 25 | - | - | - | - | - | - |
| 219.Putative DEAD-box ATP-dependent RNA helicase family protein | A0A1D6ITP9 | 65136.92 | 9.52 | 100273603 | 30.87 | 43.07 | 19 | - | - | - | - | - | - |
| 220.Zeamatin-like protein | Q2XXK7 | 68554.86 | 9.39 | zlp | 30.77 | 64.32 | 27 | - | - | - | - | - | - |
| 221.Beta-1,3-glucanase | E1AFV5 | 35976.68 | 9.41 | glucA | 29.90 | 74.34 | 22 | - | - | - | - | - | - |
| 222.RuBisCO large subunit-binding protein subunit beta, chloroplastic | B6SXW8 | 61399.22 | 5.20 | 100281701 | 11.43 | 13.48 | 6 | - | - | - | - | - | - |
| 223.Glutaminyl-tRNA synthetase | B6UC34 | 90070.03 | 6.22 | 100285944 | 11.13 | 9.17 | 6 | - | - | - | - | - | - |
| 224.Mitochondrial aldehyde dehydrogenase RF2B | Q8RUR9 | 58598.74 | 6.29 | rf2b | 10.80 | 14.73 | 5 | - | - | - | - | - | - |
| 225.Lipoxygenase | Q9XFL9 | 77508.61 | 6.27 | lipoxygenase | 29.76 | 22.45 | 14 | - | - | - | - | - | - |
| 226.Aldose reductase | E9JVD6 | 36679.26 | 6.06 | AR5 | 27.24 | 44.83 | 15 | - | - | - | - | - | - |
| 227.Phospholipid transfer protein 1 | Q08065 | 2768.45 | 5.75 | N/A | 26.74 | 81.90 | 27 | - | - | - | - | - | - |
| 228.Legumin-like protein | B6TDD3 | 39900.65 | 5.83 | N/A | 26.11 | 48.21 | 16 | - | - | - | - | - | - |
| 229.Peroxidase 52 | A0A1D6H656 | 30472.10 | 12.50 | ZEAMMB73\_Zm00001d016182 | 22.63 | 67.41 | 14 | - | - | - | - | - | - |
| 230.Elongation factor 1-gamma 3 | B6T7G7 | 47267.42 | 6.08 | 100282446 | 21.01 | 33.33 | 12 | - | - | - | - | - | - |
| 231.Phosphoenolpyruvate carboxylase | P04711 | 109296.99 | 5.77 | PEP1 | 18.80 | 11.77 | 9 | - | - | - | - | - | - |
| 232.40S ribosomal protein S3 | K7TT73 | 25448.76 | 9.55 | 100274348 | 18.34 | 52.63 | 11 | - | - | - | - | - | - |
| 233.40S ribosomal protein SA-like | K7VGZ6 | 33499.84 | 4.91 | 100272740 | 18.15 | 38.96 | 10 | - | - | - | - | - | - |
| 234.Prolyl carboxypeptidase like protein | B6THH6 | 56057.02 | 5.92 | N/A | 17.99 | 22.59 | 10 | - | - | - | - | - | - |
| 235.Corticosteroid 11-beta-dehydrogenase isozyme 1 | B4FE26 | 38567.08 | 6.01 | 100216664 | 17.35 | 34.96 | 11 | - | - | - | - | - | - |
| 236.Starch synthase I, chloroplastic precursor | A4ZVH9 | 76343.95 | 5.89 | N/A | 17.11 | 19.53 | 10 | - | - | - | - | - | - |
| 237.Osmotin-like protein precursor | B6SKP5 | 26245.91 | 7.50 | N/A | 16.78 | 34.68 | 9 | - | - | - | - | - | - |
| 238.Antimicrobial peptide MBP-1 precursor | P28794 | 4130.70 | 11.35 | N/A | 16.51 | 12.72 | 28 | - | - | - | - | - | - |
| 239.60S ribosomal protein L6-3 | B6TNB0 | 11791.00 | 10.07 | 100304027 | 16.35 | 32.42 | 8 | - | - | - | - | - | - |
| 240.Poly [ADP-ribose] polymerase 3 | O50017 | 72995.09 | 8.78 | PARP2 | 15.20 | 13.52 | 7 | - | - | - | - | - | - |
| 241.Desiccation-related protein PCC13-62 | B4G1G1 | 34030.77 | 4.82 | N/A | 15.02 | 34.47 | 9 | - | - | - | - | - | - |
| 242.ATP synthase subunit alpha, mitochondrial | P05494 | 55180.32 | 5.85 | ATPA | 15.00 | 16.93 | 8 | - | - | - | - | - | - |
| 243.3-ketoacyl-CoA thiolase 2, peroxisomal | B6TIL6 | 47985.94 | 8.59 | N/A | 14.85 | 29.50 | 9 | - | - | - | - | - | - |
| 244.Heat shock 70 kDa protein | P11143 | 70573.20 | 5.22 | HSP70 | 13.29 | 13.57 | 7 | - | - | - | - | - | - |
| 245.Nucleoredoxin1 | A0A1D6K5D2 | 63328.84 | 4.80 | ZEAMMB73\_Zm00001d029457 | 13.54 | 18.10 | 8 | - | - | - | - | - | - |
| 246.40S ribosomal protein S9 | B6TH64 | 22517.03 | 10.29 | 100283332 | 13.93 | 41.24 | 8 | - | - | - | - | - | - |
| 247.Thaumatin domain family protein | B6TX44 | 31837.68 | 5.08 | 100284753 | 13.92 | 41.82 | 7 | - | - | - | - | - | - |
| 248.60S ribosomal protein L7-2 | B4FQ03 | 28416.36 | 10.10 | N/A | 13.86 | 33.20 | 8 | - | - | - | - | - | - |
| 249.ADP,ATP carrier protein 2, mitochondrial | P12857 | 42332.64 | 9.85 | ANT2 | 12.72 | 11.37 | 6 | - | - | - | - | - | - |
| 250.Succinate semialdehyde dehydrogenase isoform X1 | A0A1D6H1M9 | 19118.53 | 8.36 | ZEAMMB73\_Zm00001d015405 | 12.40 | 19.96 | 7 | - | - | - | - | - | - |
| 251.Thioredoxin H-type | B6SMZ1 | 15783.04 | 5.35 | 100280833 | 10.69 | 52.46 | 7 | - | - | - | - | - | - |
| 252.Eukaryotic translation initiation factor 5A | P80639 | 17496.65 | 5.61 | TIF5A | 10.46 | 29.37 | 6 | - | - | - | - | - | - |
| 253.Glutathione S-transferase GSTU6 | P12653 | 30779.25 | 5.12 | GSTU6\_3 | 10.43 | 28.88 | 8 | - | - | - | - | - | - |
| 254.60S ribosomal protein L18-3- | B6SJ08 | 21042.82 | 11.49 | 100192878 | 10.40 | 26.13 | 5 | - | - | - | - | - | - |
| 255.Fasciclin-like arabinogalactan protein 10 | A0A3L6FNM0 | 44024.15 | 6.66 | FLA10 | 10.10 | 13.99 | 5 | - | - | - | - | - | - |
| 256.Glycine-rich protein 2b | B6SP06 | 20300.64 | 5.92 | N/A | 10.00 | 44.71 | 5 | - | - | - | - | - | - |
| 257.Aquaporin TIP3-1 | Q9ATL7 | 27202.66 | 8.12 | TIP 3-1 | 10.00 | 34.35 | 6 | - | - | - | - | - | - |
| 258.Malic enzyme | A0A1D6NDJ5 | 69823.83 | 6.09 | ZEAMMB73\_Zm00001d043601 | 9.28 | 10.12 | 5 | - | - | - | - | - | - |
| 259.Alpha-1,4-glucan-protein synthase [UDP-forming] | P80607 | 41230.42 | 5.75 | UPTG 0 | 9.04 | 21.70 | 6 | - | - | - | - | - | - |
| 260.Succinate dehydrogenase flavoprotein subunit,mitochondrial precursor | B6U124 | 67983.80 | 6.08 | N/A | 8.73 | 10.66 | 6 | - | - | - | - | - | - |
| 261.D-3-phosphoglycerate dehydrogenase, chloroplastic | C0PLN9 | 63923.82 | 6.80 | 100280735 | 8.58 | 9.10 | 4 | - | - | - | - | - | - |
| 262.Proline iminopeptidase | B4F869 | 41552.98 | 5.63 | 100272740 | 8.54 | 15.78 | 5 | - | - | - | - | - | - |
| 263.Ras-related protein ARA-3 | B4FNJ6 | 23819.95 | 6.62 | 100272423 | 8.39 | 20.47 | 6 | - | - | - | - | - | - |
| 264.Bowman-Birk type wound-induced proteinase inhibitor WIP1 precursor | P31862 | 10975.97 | 8.30 | WIP1 | 8.19 | 64.37 | 6 | - | - | - | - | - | - |
| 265.Aconitate hydratase, cytoplasmic | B6SRL2 | 98944.23 | 6.04 | N/A | 8.26 | 7.96 | 4 | - | - | - | - | - | - |
| 266.40S ribosomal protein S7-like | B4FZN6 | 22121.68 | 9.81 | 100274227 | 7.95 | 22.92 | 4 | - | - | - | - | - | - |
| 267.Maize protease inhibitor | Q42420 | 7604.72 | 5.63 | pis7 | 7.85 | 80.28 | 5 | - | - | - | - | - | - |
| 268.Pathogenesis-related protein 1 | Q00008 | 18389.78 | 8.75 | PRMS | 7.79 | 44.37 | 5 | - | - | - | - | - | - |
| 269.Aldehyde dehydrogenase family 7 | B6TB11 | 54417.82 | 6.12 | N/A | 7.67 | 14.34 | 5 | - | - | - | - | - | - |
| 270.Exoglucanase | Q9LLB8 | 66942.67 | 6.92 | exg1 | 7.18 | 11.58 | 5 | - | - | - | - | - | - |
| 271.USP family protein | B4FCK0 | 27141.25 | 4.88 | N/A | 7.17 | 40.12 | 4 | - | - | - | - | - | - |
| 272.Auxin-induced protein PCNT115 | B6TJT2 | 38177.54 | 6.28 | N/A | 7.17 | 40.12 | 4 | - | - | - | - | - | - |
| 273.Proteasome subunit alpha type 1 | B6T969 | 25880.35 | 5.50 | 103653823 | 6.72 | 25.55 | 4 | - | - | - | - | - | - |
| 274.Salt tolerance protein | B6T887 | 35203.93 | 4.90 | N/A | 6.71 | 18.18 | 4 | - | - | - | - | - | - |
| 275.Z1D alpha zein protein, partial | A8HNN3 | 24384.15 | 7.89 | N/A | 8.59 | 16.51 | 8 | - | - | - | - | - | - |
| 276.Defensin-like protein 2; Gamma-zeathionin-2 | P81009 | 5368.17 | 8.51 | N/A | 6.49 | 80.85 | 5 | - | - | - | - | - | - |
| 277.Catalase | B6UHU1 | 56756.32 | 6.96 | 541818 | 6.44 | 7.93 | 3 | - | - | - | - | - | - |
| 278.Cysteine proteinase inhibitor 12 | Q4FZ51 | 14868.06 | 5.94 | zmc-II | 6.38 | 16.73 | 3 | - | - | - | - | - | - |
| 279.Glutathione transferase30 | Q9FQA9 | 25223.97 | 5.33 | 541841 | 6.31 | 25.54 | 5 | - | - | - | - | - | - |
| 280.Glutaredoxin homolog1 | B6SN61 | 13932.16 | 7.71 | 100303864 | 6.30 | 36.64 | 3 | - | - | - | - | - | - |
| 281.CDA1 | A1YLY2 | 20265.09 | 5.39 | CDA1-En | 6.00 | 18.47 | 3 | - | - | - | - | - | - |
| 282.Mitochondrial phosphate transporter | O80413 | 38657.97 | 9.29 | 541617 | 5.96 | 8.47 | 3 | - | - | - | - | - | - |
| 283.6-phosphogluconate dehydrogenase2 | O81237 | 53055.62 | 5.92 | pdh1 | 5.93 | 8.33 | 3 | - | - | - | - | - | - |
| 284.Ethylene-responsive protein isoform X3 | B6TUN8 | 19436.66 | 5.92 | N/A | 5.87 | 25.97 | 4 | - | - | - | - | - | - |
| 285.Acetylornithine aminotransferase, mitochondrial | A0A3L6ECD7 | 52057.74 | 6.86 | AG118 | 5.85 | 10.55 | 3 | - | - | - | - | - | - |
| 286.60 ribosomal protein L14 | B4FUA9 | 15361.26 | 10.34 | N/A | 5.54 | 20.28 | 4 | - | - | - | - | - | - |
| 287.Isocitrate lyase | O24588 | 17552.82 | 5.59 | ICL | 5.50 | 11.36 | 4 | - | - | - | - | - | - |
| 288.Heme-binding protein 2 | B6T0C0 | 23703.60 | 4.63 | N/A | 5.49 | 18.14 | 3 | - | - | - | - | - | - |
| 289.17.8 kDa class II heat shock protein | P24632 | 17799.43 | 5.33 | N/A | 4.54 | 28.05 | 4 | - | - | - | - | - | - |
| 290.Beta-galactosidase precursor | B4F9J1 | 78688.80 | 8.13 | 100191631 | 5.40 | 7.51 | 4 | - | - | - | - | - | - |
| 291.BETL-9 protein | C5JA67 | 11841.15 | 8.74 | betl-9 | 5.40 | 16.82 | 3 | - | - | - | - | - | - |
| 292.Aldehyde dehydrogenase 2-1 | Q43274 | 59446.20 | 6.69 | rf2 | 5.47 | 7.29 | 3 | - | - | - | - | - | - |
| 293.Plasma membrane intrinsic protein2 | Q9XF58 | 29835.51 | 7.70 | PIP2-5 | 5.36 | 10.44 | 3 | - | - | - | - | - | - |
| 294.Putative O-Glycosyl hydrolase superfamily protein | K7UF69 | 35543.10 | 4.51 | 103654866 | 5.28 | 7.98 | 3 | - | - | - | - | - | - |
| 295.60S ribosomal protein L13a | B6SJA0 | 23630.19 | 10.20 | N/A | 5.19 | 19.90 | 4 | - | - | - | - | - | - |
| 296.CBS domain protein | B4G1D2 | 22497.90 | 9.35 | N/A | 5.19 | 40.49 | 5 | - | - | - | - | - | - |
| 297.Ribosomal protein S18 | P25459 | 20598.89 | 12.12 | rps18 | 5.16 | 25.00 | 5 | - | - | - | - | - | - |
| 298.Cytokinin-O-glucosyltransferase 1 | A0A1D6PTM4 | 43346.64 | 5.73 | ZEAMMB73\_Zm00001d049282 | 5.13 | 6.88 | 3 | - | - | - | - | - | - |
| 299.Lysosomal alpha-mannosidase | Q43249 | 11282.83 | 4.91 | AMA1 | 5.08 | 5.12 | 4 | - | - | - | - | - | - |
| 300.Calnexin | B6TNF1 | 60401.22 | 4.73 | 100283947 | 5.06 | 8.80 | 4 | - | - | - | - | - | - |
| 301.Alliin lyase | B6THV4 | 53509.14 | 5.89 | N/A | 5.02 | 11.79 | 3 | - | - | - | - | - | - |
| 302.Pectinesterase | K7TP23 | 78598.50 | 5.19 | ZEAMMB73\_Zm00001d026422 | 4.95 | 10.12 | 5 | - | - | - | - | - | - |
| 303.Ras-related protein Rab-2-A | P49103 | 23001.04 | 6.95 | RAB2A | 4.89 | 13.88 | 2 | - | - | - | - | - | - |
| 304.Adenine phosphoribosyltransferase 1 | B6T920 | 19396.69 | 5.14 | N/A | 4.79 | 17.04 | 3 | - | - | - | - | - | - |
| 305.Chloroplast small heat shock protein | B6TMR8 | 22818.69 | 6.86 | 100283886 | 4.68 | 23.70 | 3 | - | - | - | - | - | - |
| 306.Phosphoserine aminotransferase 1 | B6TXR8 | 44902.44 | 8.55 | N/A | 4.62 | 9.41 | 3 | - | - | - | - | - | - |
| 307.Win1 | B6TRF5 | 16185.72 | 9.05 | N/A | 6.67 | 17.81 | 5 | - | - | - | - | - | - |
| 308.Peroxiredoxin-5 | B4FN24 | 17322.82 | 4.85 | 100283392 | 4.55 | 14.59 | 3 | - | - | - | - | - | - |
| 309.Homocysteine S-methyltransferase 4 | Q9FUM7 | 36459.86 | 5.39 | HMT-4 | 4.31 | 8.77 | 2 | - | - | - | - | - | - |
| 310.Proline-rich protein1 | Q9ZNY1 | 41960.74 | 9.18 | PRP | 4.19 | 13.62 | 2 | - | - | - | - | - | - |
| 311.SEC13-related protein isoform | B6TMN3 | 33228.27 | 5.85 | 100283879 | 4.17 | 12.11 | 3 | - | - | - | - | - | - |
| 312.SNF1-related protein kinase regulatory subunit gamma-like PV42a | B6TF90 | 31959.66 | 4.81 | 100283166 | 4.16 | 4.94 | 2 | - | - | - | - | - | - |
| 313.Glutathione peroxidase | B6T5N2 | 19286.01 | 7.58 | 100283257 | 4.14 | 27.98 | 2 | - | - | - | - | - | - |
| 314.Stress-related protein | P0C8M9 | 14538.53 | 11.05 | SRP1 | 4.14 | 5.79 | 2 | - | - | - | - | - | - |
| 315.Triacylglycerol lipase isoform X1 | B4FAD5 | 56305.71 | 9.14 | 100191842 | 4.14 | 13.93 | 3 | - | - | - | - | - | - |
| 316.Serine carboxypeptidase F13S12.6 | B6TQW0 | 52658.26 | 6.16 | 100279978 | 4.13 | 8.49 | 3 | - | - | - | - | - | - |
| 317.Glycerophosphoryl diester phosphodiesterase 2 | A0A1D6KWT7 | 47341.10 | 5.48 | 100283806 | 3.96 | 3.60 | 2 | - | - | - | - | - | - |
| 318.60S ribosomal protein L7a | B4FPB7 | 29390.01 | 10.35 | 100280746 | 4.04 | 8.91 | 2 | - | - | - | - | - | - |
| 319.Low-molecular-weight cysteine-rich protein LCR70 precursor | K7TQS7 | 9322.92 | 9.14 | 100282852 | 4.06 | 42.35 | 5 | - | - | - | - | - | - |
| 320.Nascent polypeptide-associated complex alpha subunit-like protein isoform X1 | B6SU89 | 24355.75 | 4.19 | 100281315 | 4.04 | 10.98 | 2 | - | - | - | - | - | - |
| 321.Probable quinone oxidoreductase | P25706 | 40511.14 | 4.90 | ndhA | 4.01 | 10.22 | 2 | - | - | - | - | - | - |
| 322.Zeamatin-like protein | Q2XXK4 | 23999.14 | 7.84 | zlp | 30.77 | 64.32 | 27 | - | - | - | - | - | - |
| 323.Early nodulin-like protein 3 precursor | B6SKJ7 | 22724.51 | 4.99 | 100280687 | 4.00 | 13.82 | 2 | - | - | - | - | - | - |
| 324.Senescence-associated protein DIN1 | K7U977 | 12540.18 | 6.89 | 100281897 | 4.00 | 22.37 | 2 | - | - | - | - | - | - |
| 325.60S acidic ribosomal protein P1 | P52855 | 11096.59 | 4.41 | RPP1A | 4.00 | 44.95 | 2 | - | - | - | - | - | - |
| 326.Succinyl-CoA ligase beta-chain | B4FRH5 | 45201.36 | 6.08 | 100284826 | 3.92 | 8.53 | 2 | - | - | - | - | - | - |
| 327.Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex isoform X1 | B6TRW8 | 48775.99 | 8.95 | 100284269 | 3.88 | 7.64 | 3 | - | - | - | - | - | - |
| 328.MFT2-Corn MFT-like protein | A8WES2 | 18904.65 | 6.97 | ZCN10 | 3.86 | 23.84 | 3 | - | - | - | - | - | - |
| 329.Polygalacturonase inhibitor 1 | B6TYX7 | 30030.59 | 8.43 | 100284936 | 3.78 | 9.97 | 2 | - | - | - | - | - | - |
| 330.Formate dehydrogenase 1 | B6TRR5 | 41419.34 | 6.32 | N/A | 5.74 | 11.17 | 4 | - | - | - | - | - | - |
| 331.ADP-ribosylation factor | P49076 | 20660.71 | 6.31 | ARF1 | 3.57 | 24.31 | 3 | - | - | - | - | - | - |
| 332.T-complex protein 1 subunit epsilon | B4FQL5 | 59071.17 | 5.59 | 100282671 | 3.58 | 3.74 | 2 | - | - | - | - | - | - |
| 333.Regulator of ribonuclease activity A | B6TN41 | 18116.89 | 5.78 | 100283919 | 3.49 | 14.29 | 2 | - | - | - | - | - | - |
| 334.Citrate synthase family protein | B4FIC0 | 52456.58 | 6.91 | 100194338 | 3.48 | 8.15 | 3 | - | - | - | - | - | - |
| 335.17.4 kDa class I heat shock protein 3 | B4F976 | 17880.14 | 6.86 | 100191552 | 6.13 | 25.32 | 3 | - | - | - | - | - | - |
| 336.ARM repeat superfamily protein, partial | B7ZZY8 | 57815.24 | 8.95 | 100279787 | 2.25 | 6.25 | 2 | - | - | - | - | - | - |
| 337.Alpha-L-fucosidase 2 | B4G1Z0 | 38567.76 | 7.44 | N/A | 3.39 | 7.58 | 2 | - | - | - | - | - | - |
| 338.Ayclic phosphodiesterase | B6U6P0 | 20801.46 | 4.92 | N/A | 3.38 | 16.85 | 2 | - | - | - | - | - | - |
| 339.Ribosomal protein S27 | Q9ZQX9 | 9542.14 | 9.06 | 542617 | 3.27 | 34.88 | 3 | - | - | - | - | - | - |
| 340.Annexin p33Annexin-like protein RJ4 | Q43863 | 35560.38 | 7.13 | N/A | 3.25 | 7.06 | 2 | - | - | - | - | - | - |
| 341.Flower-specific gamma-thionin | B6SJ49 | 8870.45 | 10.05 | 100280590 | 3.17 | 26.15 | 2 | - | - | - | - | - | - |
| 342.Adenylosuccinate synthetase, chloroplastic precursor | O24578 | 51913.11 | 6.90 | PURA | 3.10 | 3.93 | 2 | - | - | - | - | - | - |
| 343.Beta-hydroxyacyl-ACP dehydratase isoform X1 | B6TG22 | 24056.37 | 9.51 | N/A | 3.01 | 10.05 | 2 | - | - | - | - | - | - |
| 344.QM-like protein | D2DMN0 | 27651.24 | 10.69 | N/A | 3.03 | 8.16 | 2 | - | - | - | - | - | - |
| 345.Pyruvate dehydrogenase E1 component subunit beta | Q9ZQY3 | 39812.67 | 5.54 | N/A | 3.03 | 7.20 | 2 | - | - | - | - | - | - |
| 346.Soluble inorganic pyrophosphatase | O48556 | 24369.79 | 5.46 | IPP | 2.98 | 13.55 | 2 | - | - | - | - | - | - |
| 347.40S ribosomal protein S12 isoform 1 | B6SKZ9 | 14998.36 | 5.33 | 100281932 | 2.96 | 20.00 | 2 | - | - | - | - | - | - |
| 348.Acetylglutamate kinase | B6TEB2 | 35446.21 | 7.69 | N/A | 2.84 | 6.75 | 2 | - | - | - | - | - | - |
| 349.Cytochrome c oxidase subunit 2 | P00412 | 29679.54 | 4.69 | COX2 | 2.81 | 6.54 | 2 | - | - | - | - | - | - |
| 350.Protein usf | B6T599 | 26359.77 | 5.49 | N/A | 2.78 | 7.75 | 2 | - | - | - | - | - | - |
| 351.Peroxisomal fatty acid beta-oxidation multifunctional protein-like | B6SXV4 | 78641.03 | 9.26 | N/A | 2.75 | 3.83 | 2 | - | - | - | - | - | - |
| 352.Primary amine oxidase | A0A096SGQ3 | 86434.65 | 6.81 | 100383438 | 2.69 | 3.76 | 2 | - | - | - | - | - | - |
| 353.Selenium-binding protein | A0A1D6N5D5 | 56645.26 | 8.92 | 103650912 | 2.67 | 4.59 | 2 | - | - | - | - | - | - |
| 354.Eukaryotic peptide chain release factor subunit 1-1 isoform 1 | B6U1I9 | 49044.48 | 5.44 | 100285172 | 2.67 | 5.49 | 2 | - | - | - | - | - | - |
| 355.Voltage-dependent anion channel protein1a | P42057 | 29976.84 | 7.87 | POR1 | 2.65 | 7.25 | 2 | - | - | - | - | - | - |
| 356.RAB17 protein | A3KLI1 | 17075.48 | 8.78 | rab17 | 2.61 | 19.64 | 2 | - | - | - | - | - | - |
| 357.Xylanase inhibitor protein 1 precursor | B6U2X8 | 35351.69 | 6.13 | N/A | 4.72 | 12.01 | 3 | - | - | - | - | - | - |
| 358.Putative D-mannose binding lectin domain related protein precursor | K7VD35 | 92519.78 | 6.14 | 103638367 | 2.57 | 6.00 | 2 | - | - | - | - | - | - |
| 359.Protein HVA22 | B6SRB1 | 16516.47 | 9.22 | N/A | 2.56 | 15.67 | 2 | - | - | - | - | - | - |
| 360.Ras-related protein Rab7 | A0A3L6DPV3 | 91924.13 | 7.63 | RAB7\_2 | 3.51 | 10.14 | 3 | - | - | - | - | - | - |
| 361.Thiamine thiazole synthase 2, chloroplastic | Q41739 | 37233.73 | 5.59 | THI1-2 | 2.46 | 7.34 | 2 | - | - | - | - | - | - |
| 362.Ubiquitin-conjugating enzyme E2-17 kDa | B6U4K0 | 16661.02 | 6.40 | 100285413 | 2.39 | 14.43 | 2 | - | - | - | - | - | - |
| 363.Ketol-acid reductoisomerase | B6TF69 | 63046.80 | 6.18 | N/A | 9.47 | 14.16 | 7 | - | - | - | - | - | - |
| 364.Ras protein RIC1 | B4FAE1 | 22506.39 | 5.14 | 100191848 | 6.96 | 18.72 | 4 | - | - | - | - | - | - |
| 365.3-isopropylmalate dehydrogenase | B6THR9 | 43491.74 | 5.41 | 100283376 | 2.11 | 9.09 | 2 | - | - | - | - | - | - |
| 366.60S ribosomal protein L32 | B4FI53 | 15716.62 | 10.43 | 100194289 | 2.03 | 12.78 | 2 | - | - | - | - | - | - |
| 367.Heat shock cognate 70 kDa protein 2 | B6SZ69 | 71138.34 | 5.05 | 100281806 | 36.92 | 27.27 | 25 | - | - | - | - | - | - |
| 368.GTP-binding nuclear protein Ran-A1 | B4G1P4 | 25060.67 | 6.65 | 100193260 | 13.81 | 38.01 | 7 | - | - | - | - | - | - |
| 369.Superoxide dismutase [Cu-Zn] 2 | P11428 | 25238.68 | 6.71 | SODCC.1 | 11.96 | 30.90 | 6 | - | - | - | - | - | - |
| 370.Aquaporin TIP3-2 | Q9AT75 | 27395.69 | 8.13 | TIP3-2 | 8.00 | 30.08 | 4 | - | - | - | - | - | - |
| 371.Histone H3 | B4FCH2 | 15406.07 | 11.15 | 103627323 | 4.58 | 38.97 | 3 | - | - | - | - | - | - |
| 372.ML domain protein | B6UF85 | 16309.79 | 5.73 | N/A | 4.24 | 20.13 | 2 | - | - | - | - | - | - |
| 373.Nodulin protein | A0A1D6LV93 | 31029.10 | 11.56 | 100282610 | 3.66 | 3.71 | 2 | - | - | - | - | - | - |
| 374.Allene oxide cyclase1 | Q6RW09 | 25777.29 | 9.05 | aoc | 1.54 | 7.56 | 2 | - | - | - | - | - | - |
| 375.Copper chaperone | B6SPL7 | 8738.05 | 5.31 | 100282864 | 1.46 | 50.00 | 3 | - | - | - | - | - | - |
| 376.Sus1 | Q43706 | 92925.22 | 6.03 | sus1 | 22.26 | 14.30 | 13 | - | - | - | - | - | - |
| 377.Lysine ketoglutarate reductase/saccharopine dehydrogenase | O04709 | 116302.90 | 5.48 | LKRSDH | 1.31 | 8.15 | 2 | - | - | - | - | - | - |
| 378.Acyl carrier protein 3 | B6TNK6 | 50275.35 | 5.89 | MOCS3-1 | 1.57 | 22.39 | 1 | - | - | - | - | - | - |
| 379.ATPase subunit 1 (mitochondrion) | A0A172FJC9 | 52997.75 | 6.29 | atpF | - | - | - | 17.90 | 22.64 | 8 | - | - | - |
| 380.Methionine synthase, partial | Q8W529 | 84453.47 | 5.73 | N/A | - | - | - | 15.97 | 18.28 | 7 | - | - | - |
| 381.50kD gamma zein | Q946W1 | 32592.41 | 6.71 | N/A | - | - | - | 14.07 | 37.63 | 16 | - | - | - |
| 382.Protein P21 | A0A1D6KZ34 | 21448.57 | 4.00 | 100281135 | - | - | - | 11.31 | 42.29 | 6 | - | - | - |
| 383.Alpha-1,4-glucan phosphorylase L isozyme, partial (plastid) | B5AMJ8 | 94452.82 | 6.86 | 100285259 | - | - | - | 12.48 | 13.72 | 5 | - | - | - |
| 384.Major protein L3, partial | P13436 | 15662.05 | 9.63 | OLE16 | - | - | - | 10.33 | 32.65 | 8 | - | - | - |
| 385.Manganese superoxide dismutase | P41978 | 22557.61 | 5.58 | SODA.1 | - | - | - | 10.60 | 25.96 | 5 | - | - | - |
| 386.Tubulin beta-8 chain | Q41785 | 49944.24 | 4.73 | TUBB8 | - | - | - | 10.57 | 10.11 | 4 | - | - | - |
| 387.60S ribosomal protein L4 | B6T3L6 | 44325.39 | 10.59 | N/A | - | - | - | 9.95 | 19.55 | 5 | - | - | - |
| 388.Histone H4 | B6T0G9 | 12094.15 | 11.86 | N/A | - | - | - | 9.31 | 51.46 | 4 | - | - | - |
| 389.Heat shock 70 kDa protein 1 | B6SXY0 | 62454.02 | 5.69 | N/A | - | - | - | 9.37 | 13.49 | 5 | - | - | - |
| 390.Adenosine kinase | P43188 | 24867.41 | 4.95 | ADK1 | - | - | - | 8.65 | 18.73 | 4 | - | - | - |
| 391.Isocitrate lyase | B4FTF9 | 62683.06 | 7.20 | N/A | - | - | - | 5.56 | 20.73 | 3 | - | - | - |
| 392.Stachyose synthase | A0A1D6E8B6 | 86319.10 | 5.93 | ZEAMMB73\_Zm00001d003277 | - | - | - | 8.21 | 12.15 | 4 | - | - | - |
| 393.Aldehyde dehydrogenase 2-1 | W8SQV6 | 59474.26 | 6.69 | rf2a | - | - | - | 8.09 | 14.39 | 4 | - | - | - |
| 394.Aspartic proteinase oryzasin-1 precursor | B6TSQ9 | 52671.82 | 5.31 | N/A | - | - | - | 8.03 | 10.78 | 3 | - | - | - |
| 395.Dihydrolipoyl dehydrogenase 1, mitochondrial-like | A0A1D6LYX0 | 13911.72 | 10.00 | ZEAMMB73\_Zm00001d037554 | - | - | - | 7.88 | 13.32 | 4 | - | - | - |
| 396.60S ribosomal protein L6-3-like | A0A1D6PTK1 | 7882.07 | 5.22 | ZEAMMB73\_Zm00001d049263 | - | - | - | 7.49 | 19.18 | 3 | - | - | - |
| 397.Bowman-Birk Type Inhibitor Trypsin | B6TEW3 | 23901.47 | 5.58 | 100274196 | - | - | - | 7.35 | 17.94 | 11 | - | - | - |
| 398.Desiccation-related protein PCC13-62 | B6TNA6 | 32829.42 | 8.58 | 100283934 | - | - | - | 7.32 | 19.57 | 4 | - | - | - |
| 399.Fructokinase-1 | Q6XZ79 | 34690.87 | 4.87 | FRK1 | - | - | - | 6.93 | 14.55 | 3 | - | - | - |
| 400.40S ribosomal protein S5 | B6UGL6 | 22406.98 | 9.78 | N/A | - | - | - | 6.90 | 19.60 | 3 | - | - | - |
| 401.Isocitrate dehydrogenase 2 | A0A1D6MDG5 | 35831.71 | 6.76 | 100272371 | - | - | - | 6.86 | 11.57 | 3 | - | - | - |
| 402.Succinate dehydrogenase flavoprotein subunit,mitochondrial precursor | B8A372 | 67996.89 | 6.23 | 100280324 | - | - | - | 6.33 | 6.79 | 3 | - | - | - |
| 403.Malic enzyme Precursor | P16243 | 63374.42 | 5.36 | MOD1 | - | - | - | 6.32 | 7.21 | 3 | - | - | - |
| 404.40S ribosomal protein S15a | B6SJ13 | 14790.29 | 9.94 | 100280584 | - | - | - | 3.70 | 26.15 | 2 | - | - | - |
| 405.60S ribosomal protein L7-2 | A0A1D6KA20 | 29457.51 | 9.92 | 103637734 | - | - | - | 5.44 | 20.08 | 3 | - | - | - |
| 406.Putative ATPase, V1 complex, subunit A protein | A0A1D6LSP7 | 51477.83 | 5.37 | 100282598 | - | - | - | 4.92 | 5.90 | 2 | - | - | - |
| 407.Adenine phosphoribosyltransferase 1 | A0A3L6FCJ5 | 29291.31 | 9.70 | APT1\_2 | - | - | - | 4.18 | 15.25 | 2 | - | - | - |
| 408.6-phosphogluconolactonase isoform 1 | A0A1D6IJ16 | 20180.72 | 4.58 | 100285062 | - | - | - | 4.06 | 5.56 | 2 | - | - | - |
| 409.endosperm ADP-glucose pyrophosphorylase subunit homolog, partial | E5G4E9 | 31915.82 | 9.69 | bt2 | - | - | - | 33.16 | 43.10 | 16 | - | - | - |
| 410.Granule-bound starch synthase, partial | I1VEW1 | 56809.86 | 7.34 | wx1 | - | - | - | 28.20 | 69.96 | 18 | - | - | - |
| 411.Prohibitin 1 | Q9M589 | 32078.94 | 9.80 | PHB1 | - | - | - | 4.00 | 13.49 | 2 | - | - | - |
| 412.Elongation factor 1-delta 1 | A0A3L6DV56 | 30349.40 | 4.72 | Os07g0614500\_1 | - | - | - | 3.95 | 21.83 | 2 | - | - | - |
| 413.Pyruvate decarboxylase | Q8RUU6 | 63665.55 | 5.80 | pdc2 | - | - | - | 3.93 | 4.63 | 2 | - | - | - |
| 414.Putative thaumatin domain family protein | A0A1D6PJ52 | 114040.18 | 4.86 | 103639534 | - | - | - | 3.82 | 14.09 | 2 | - | - | - |
| 415.Elongation factor 1-beta | A0A1D6IJJ1 | 25496.70 | 4.39 | 100282885 | - | - | - | 3.57 | 12.33 | 2 | - | - | - |
| 416.3-isopropylmalate dehydratase large subunit 2 | B6TYJ6 | 53136.61 | 7.05 | N/A | - | - | - | 3.55 | 5.49 | 2 | - | - | - |
| 417.60S ribosomal protein L12 | B4FRM7 | 17717.59 | 9.04 | 100284082 | - | - | - | 3.34 | 13.25 | 2 | - | - | - |
| 418.Ubiquitin-activating enzyme E1 domain-containing protein 1 | A0A1D6H8W5 | 101028.07 | 5.59 | 100282359 | - | - | - | 3.21 | 6.80 | 2 | - | - | - |
| 419.Translational elongation factor EF-TuM | A0A1D6GD78 | 49325.88 | 6.16 | 100194026 | - | - | - | 3.02 | 6.86 | 2 | - | - | - |
| 420.Putative translation elongation factor family protein | K7VQ65 | 93906.50 | 6.00 | 100272648 | - | - | - | 3.02 | 10.26 | 2 | - | - | - |
| 421.UDP-glucosyltransferase | A0A1D6HWJ1 | 50502.36 | 6.29 | ZEAMMB73\_Zm00001d019265 | - | - | - | 2.90 | 5.13 | 2 | - | - | - |
| 422.Glutamate decarboxylase | A0A1D6KL56 | 58736.89 | 8.4 | 100284394 | - | - | - | 2.68 | 5.24 | 2 | - | - | - |
| 423.Malate dehydrogenase | B4FRJ1 | 35640.00 | 7.63 | 100272900 | - | - | - | 3.17 | 7.05 | 2 | - | - | - |
| 424.Maize protease inhibitor | B6T2C5 | 18253.26 | 7.71 | N/A | - | - | - | 2.59 | 52.11 | 2 | - | - | - |
| 425.ADP-ribosylation factor 1-like | B4FA33 | 17928.38 | 5.42 | 100191770 | - | - | - | 2.41 | 20.00 | 1 | - | - | - |
| 426.Alcohol dehydrogenase 1 | Q43264 | 40931.23 | 6.28 | adh1 | - | - | - | 26.85 | 52.24 | 14 | - | - | - |
| 427.Tubulin alpha-6 chain | P33627 | 49598.98 | 4.92 | TUBA6 | - | - | - | 6.99 | 11.56 | 3 | - | - | - |
| 428.Tubulin alpha-5 chain | Q02245 | 49624.98 | 4.95 | TUBA5 | - | - | - | 6.99 | 11.56 | 3 | - | - | - |
| 429.Guanine nucleotide-binding protein beta subunit-like protein | B4FKM1 | 36236.62 | 6.13 | 100216946 | - | - | - | 9.52 | 28.74 | 6 | - | - | - |
| 430.Alanine aminotransferase 2 | B6TBZ8 | 53033.92 | 6.23 | N/A | - | - | - | 5.34 | 8.50 | 3 | - | - | - |
| 431.Glucose-1-phosphate adenylyltransferase large subunit 2, chloroplastic/amyloplastic | A0A3L6E8N3 | 62557.52 | 6.61 | AGP2 | - | - | - | 2.31 | 3.09 | 2 | - | - | - |
| 432.ADP-glucose pyrophosphorylase large subunit | D2IQE3 | 17206.72 | 5.57 | sh2 | - | - | - | 2.31 | 3.00 | 2 | - | - | - |
| 433.Putative methionine synthase family protein | A0A3L6DFQ3 | 89161.10 | 7.44 | Os06g0508700\_3 | - | - | - | 6.02 | 5.17 | 2 | - | - | - |
| 434.Cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC4 | Q43359 | 36448.64 | 7.02 | gpc4 | - | - | - | - | - | - | 41.10 | 59.64 | 21 |
| 435.Elongation factor alpha 3 | A0A1D6M1G3 | 1397.63 | 4.00 | ZEAMMB73\_Zm00001d037873 | - | - | - | - | - | - | 23.70 | 33.11 | 12 |
| 436.Elongation factor 1-alpha-like | Q96TP0 | 12172.00 | 8.67 | TEF-1 alpha | - | - | - | - | - | - | 23.07 | 33.11 | 11 |
| 437.Starch branching enzyme IIb | O81387 | 90665.00 | 5.89 | ae | - | - | - | - | - | - | 22.09 | 16.02 | 11 |
| 438.ATPase subunit 1 (mitochondrion) | Q1KKB1 | 7785.84 | 9.00 | atp1 | - | - | - | - | - | - | 18.68 | 22.05 | 9 |
| 439.Methionine synthase | O82578 | 55180.32 | 5.85 | N/A | - | - | - | - | - | - | 18.47 | 18.54 | 9 |
| 440.PDI-like protein | Q9ZR86 | 63356.90 | 4.80 | N/A | - | - | - | - | - | - | 13.43 | 17.93 | 6 |
| 441.Glyoxylase1 | A0A1D6IYD6 | 36415.26 | 5.11 | ZEAMMB73\_Zm00001d024245 | - | - | - | - | - | - | 13.89 | 27.62 | 7 |
| 442.50kD gamma zein | A0A1R3QMY2 | 636005.30 | 6.54 | ZEAMMB73\_Zm00001d020591 | - | - | - | - | - | - | 12.83 | 28.81 | 13 |
| 443.Aspartic proteinase oryzasin-1 isoform X1 | A0A3L6DUK6 | 158753.40 | 5.77 | Os05g0567100\_4 | - | - | - | - | - | - | 12.43 | 17.45 | 5 |
| 444.Major protein L3 | Q8S2Z2 | 4269.98 | 9.99 | N/A | - | - | - | - | - | - | 10.04 | 31.29 | 6 |
| 445.Alpha-1,4-glucan phosphorylase | B5AMJ9 | 9600.15 | 5.14 | 100170240 | - | - | - | - | - | - | 10.30 | 12.70 | 5 |
| 446.DIMBOA UDP-glucosyltransferase BX8 | Q8W2B7 | 49470.41 | 5.44 | Bx8 | - | - | - | - | - | - | 10.90 | 18.52 | 5 |
| 447.Phosphoglucomutase, cytoplasmic 2 | P93805 | 63041.31 | 5.47 | N/A | - | - | - | - | - | - | 10.68 | 14.41 | 5 |
| 448.Globulin-1 | A6YNT0 | 28356.78 | 8.77 | glb1 | - | - | - | - | - | - | 18.43 | 47.48 | 12 |
| 449.Jasmonate-induced protein | B6T315 | 19114.67 | 6.83 | N/A | - | - | - | - | - | - | 9.95 | 12.35 | 3 |
| 450.NADP malic enzyme 4 | Q5H744 | 7560.00 | 10.73 | NADP-ME | - | - | - | - | - | - | 6.97 | 8.44 | 3 |
| 451.60S ribosomal protein L7-2 | B4FSG3 | 28540.38 | 10.08 | 100281971 | - | - | - | - | - | - | 8.43 | 27.05 | 4 |
| 452.Luminal-binding protein 3 | O24581 | 70981.24 | 5.10 | BIPE3 | - | - | - | - | - | - | 12.43 | 8.45 | 5 |
| 453.Glyceraldehyde-3-phosphate dehydrogenase 1, cytosolic | P08735 | 36522.73 | 6.46 | GAPC1 | - | - | - | - | - | - | 24.31 | 40.06 | 12 |
| 454.Chitinase | D0EM57 | 26825.75 | 8.34 | chiA | - | - | - | - | - | - | 23.53 | 66.19 | 16 |
| 455.Desiccation-related protein PCC13-62 precursor | B4G218 | 35137.93 | 5.75 | 100274577 | - | - | - | - | - | - | 7.11 | 19.57 | 4 |
| 456.Seed maturation protein PM41 | B6SXH8 | 9491.19 | 4.71 | 100281648 | - | - | - | - | - | - | 6.86 | 11.17 | 3 |
| 457.Glutathione S-transferase GSTF2 | B6U1A7 | 23793.52 | 5.44 | N/A | - | - | - | - | - | - | 6.79 | 28.04 | 3 |
| 458.Isocitrate lyase | A0A1D6IDT8 | 63718.14 | 6.39 | ZEAMMB73\_Zm00001d021666 | - | - | - | - | - | - | 6.30 | 9.79 | 3 |
| 459.60S ribosomal protein L12 | B6T1H5 | 17768.64 | 9.06 | 100281960 | - | - | - | - | - | - | 6.05 | 25.90 | 3 |
| 460.40S ribosomal protein S5 | B6SHZ1 | 22366.73 | 9.78 | ZEAMMB73\_Zm00001d008387 | - | - | - | - | - | - | 6.00 | 19.60 | 3 |
| 461.Zein protein | Q41877 | 23419.12 | 8.04 | zein | - | - | - | - | - | - | 5.60 | 30.56 | 7 |
| 462.Putative aconitate hydratase, cytoplasmic | A0A317Y6F2 | 114036.10 | 7.59 | Zm00014a\_014851 | - | - | - | - | - | - | 5.62 | 4.69 | 2 |
| 463.60S ribosomal protein L18-3 | A0A3L6DV06 | 21042.82 | 11.49 | RPL18C\_2 | - | - | - | - | - | - | 5.44 | 18.92 | 3 |
| 464.Z1A alpha zein protein | A8HNN7 | 24337.21 | 8.83 | N/A | - | - | - | - | - | - | 5.37 | 23.83 | 2 |
| 465.Guanosine nucleotide diphosphate dissociation inhibitor 2 | A0A1D6M4H0 | 56796.76 | 6.24 | 103630368 | - | - | - | - | - | - | 4.74 | 8.54 | 2 |
| 466.Formate dehydrogenase 1 | A0A3L6G0S3 | 31201.91 | 6.76 | Os06g0486800\_0 | - | - | - | - | - | - | 4.99 | 10.11 | 2 |
| 467.Cell division cycle protein 48, partial | A0A1D6GQ42 | 90118.42 | 5.08 | 100382880 | - | - | - | - | - | - | 4.47 | 4.69 | 2 |
| 468.Mitochondrial aldehyde dehydrogenase 2 | Q7FWR0 | 55218.98 | 6.25 | rf2b | - | - | - | - | - | - | 4.46 | 7.29 | 2 |
| 469.ARM repeat superfamily protein, partial | A0A1D6GSZ0 | 161430.40 | 6.94 | 100273882 | - | - | - | - | - | - | 4.13 | 6.03 | 2 |
| 470.Serine hydroxymethyltransferase | A0A1D6KEN9 | 68728.12 | 7.62 | ZEAMMB73\_Zm00001d030859 | - | - | - | - | - | - | 4.25 | 9.55 | 3 |
| 471.Acyl activating enzyme | B6UBI2 | 55218.98 | 6.25 | O7 | - | - | - | - | - | - | 4.14 | 8.41 | 2 |
| 472.Heat shock protein26 | Q41815 | 56877.46 | 7.40 | HSP26 | - | - | - | - | - | - | 4.06 | 18.33 | 2 |
| 473.Glutathione transferase 5 | O24595 | 25119.06 | 6.20 | GST5 | - | - | - | - | - | - | 4.04 | 11.16 | 2 |
| 474.Universal stress protein | B4FT81 | 68728.12 | 7.62 | 100273147 | - | - | - | - | - | - | 4.00 | 8.75 | 2 |
| 475.Putative peptidyl-prolyl cis-trans isomerase family protein | K7U033 | 17456.33 | 10.12 | ZEAMMB73\_Zm00001d024417 | - | - | - | - | - | - | 3.87 | 14.55 | 2 |
| 476.Putative cystatin, partial | Q4FZ47 | 13528.05 | 8.32 | cc10 | - | - | - | - | - | - | 3.72 | 26.80 | 2 |
| 477.Cystatin | Q4FZ50 | 10107.14 | 4.77 | cc6 | - | - | - | - | - | - | 3.72 | 20.00 | 2 |
| 478.Adenine phosphoribosyltransferase 1 | B6U1A1 | 19338.60 | 5.14 | N/A | - | - | - | - | - | - | 3.64 | 15.25 | 2 |
| 479.Aquaporin PIP2-2 | B6TS83 | 30259.94 | 8.29 | ZEAMMB73\_Zm00001d005421 | - | - | - | - | - | - | 2.64 | 7.88 | 2 |
| 480.Starch synthase IIa | O48900 | 75542.85 | 5.94 | zSSIIb | - | - | - | - | - | - | 3.39 | 4.39 | 2 |
| 481.Sugary2 | Q6RG16 | 79946.55 | 5.93 | sugary2 | - | - | - | - | - | - | 3.39 | 4.19 | 2 |
| 482.Zein | Q41884 | 24338.16 | 8.85 | zein | - | - | - | - | - | - | 3.34 | 7.55 | 3 |
| 483.Z1C alpha zein protein precursor | A8HNM1 | 24671.44 | 6.92 | N/A | - | - | - | - | - | - | 3.34 | 10.99 | 3 |
| 484.Starch synthase I, chloroplastic | O49064 | 68903.44 | 5.54 | Ss1 | - | - | - | - | - | - | 3.09 | 4.84 | 2 |
| 485.Selenium-binding protein | B6TFC2 | 50891.38 | 5.58 | N/A | - | - | - | - | - | - | 2.92 | 9.63 | 2 |
| 486.Putative DEAD-box ATP-dependent RNA helicase family protein | A0A1D6Q5Y2 | 59515.85 | 9.04 | ZEAMMB73\_Zm00001d051268 | - | - | - | - | - | - | 14.63 | 23.36 | 7 |
| 487.Prolamin PPROL 17 precursor | Q548E8 | 17750.25 | 6.82 | gz16 | - | - | - | - | - | - | 2.82 | 12.42 | 3 |
| 488.Granule-bound starch synthase | D2IQY0 | 12779.18 | 5.12 | wx1 | - | - | - | - | - | - | 27.86 | 71.15 | 19 |
| 489.Calnexin homolog | A0A1D6EBZ2 | 34470.20 | 4.52 | 100283947 | - | - | - | - | - | - | 2.02 | 5.64 | 2 |
| 490.FUSICOCCIN receptor protein s | Q9S9H1 | 29636.41 | 4.75 | N/A | - | - | - | - | - | - | 12.85 | 9.11 | 6 |
| 491.Nonspecific lipid-transfer protein 1 precursor | B6U7P4 | 7370.69 | 9.54 | 100285645 | - | - | - | - | - | - | 4.21 | 28.10 | 2 |
| 492.Mucronate mutant 16 kDa gamma zein | Q00LN5 | 16706.16 | 9.01 | gz16 | - | - | - | - | - | - | 2.00 | 15.17 | 3 |
| 493.60S ribosomal protein L34 | A0A1D6J097 | 6520.30 | 9.85 | 100286075 | - | - | - | - | - | - | 2.00 | 22.54 | 1 |
| 494.Heat shock protein 81-1-like | A0A3L6E486 | 75406.63 | 5.06 | HSP81-1\_1 | - | - | - | - | - | - | 11.61 | 8.02 | 4 |
| 495.Sus1 | A0A097C0T5 | 92939.24 | 6.03 | sus1 | - | - | - | - | - | - | 6.42 | 6.13 | 4 |
| 496.Putative 14-3-3 protein | Q5XPI0 | 28977.54 | 4.81 | N/A | - | - | - | - | - | - | 11.11 | 35.80 | 6 |
| 497.ADP-glucose pyrophosphorylase small subunit | D2IPD9 | 20715.88 | 4.89 | bt2 | - | - | - | - | - | - | 7.23 | 8.63 | 3 |
| 498.Actin | B6TQ08 | 41796.84 | 5.30 | 103625937 | - | - | - | - | - | - | 13.88 | 22.62 | 6 |
| 499.Chaperonin CPN60-2, mitochondrial precursor | Q43298 | 57323.04 | 5.23 | CPN60II | - | - | - | - | - | - | 10.03 | 13.89 | 4 |
| 500.Endochitinase B; Seed chitinase B | P29023 | 26364.41 | 8.96 | N/A | - | - | - | - | - | - | 20.38 | 50.93 | 11 |

a**UniProtKB Acc. No**.UniProt Knowledgebase accession Number; **MW** b, Molecular Weight; **Ip**c, Isoelectric point; **Gene**d, Gene name;**Total**

**score** e, measure of total evidence to detect protein; **%Cov. (>95)** f**,**Percentage of coverage (with peptides having a confidence with at least 95%);  **Pep**g **(95%>),**number of peptides having at least 95% in confidence in their identification by mass spectrometryg.