|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Spot ID** | **Kda** | **pI** | **Accession** | **Protein name** | **% Coverage** | **Mascot** | **peptides** | **Prior ID** |
| 1 | 19.7 | 5 | gi 33325957 | methionine synthase | 36 | 262 | 7 | 2 |
| 2 | 13 | 5.29 | gi 29469054 | sucrose-binding protein 2 | 81 | 342 | 8 | 3 |
| 3 | 24.5 | 5.47 | gi 32328882 | prepro beta-conglycinin alpha' subunit | 59 | 269 | 13 | 3 |
| 4 | 24.5 | 5.03 | gi 14245736 | beta-conglycinin alpha' subunit | 54 | 537 | 16 | 3 |
| 5 | 21.8 | 5.74 | gi 45331285 | 70 kDa heat shock protein | 23 | 145 | 4 | 2 |
| 6 | 21.4 | 8.94 | gi 762844 | heat shock protein cognate 70 | 28 | 146 | 4 | 2 |
| 7 | NA | NA | NA | not identified | NA | NA | NA | NA |
| 8 | 29.2 | 5.28 | gi 99992 | protein disulfide isomerase | 56 | 470 | 12 | 4 |
| 9 | 29.2 | 5.28 | gi 99992 | protein disulfide isomerase | 59 | 556 | 16 | 4 |
| 10 | 20.2 | 5.76 | gi 50932681 | putatative ATP synthase beta chain | 47 | 319 | 9 | 4 |
|  | 22.2 | 5.71 | gi 9294108 | actin | 29 | 137 | 7 | 4 |
|  | 29.2 | 5.28 | gi 99992 | protein disulfide isomerase | 52 | 448 | 12 | 4 |
| 11 | 21.4 | 7.14 | gi 62122631 | beta-amylase | 39 | 156 | 5 | 4 |
| 12 | 21.8 | 4.91 | gi 3753592 | putative glucan 1,3-beta glucanase | 23 | 132 | 4 | 2 |
| 13 | 21.8 | 4.91 | gi 37533592 | putative glucan 1,3-beta glucanase | 35 | 202 | 6 | 2 |
| 14 | 32.7 | 5.05 | gi 6934188 | actin | 36 | 285 | 9 | 4 |
| 15 | 20.3 | 9.77 | gi 114411 | Mit. a ATP synthetase | 27 | 89 | 5 | 4 |
| 16 | 21.8 | 9.51 | gi 17865455 | catalase 3 | 12 | 106 | 4 | 2 |
| 17 | 23.3 | 6.92 | gi 295810 | elongation factor 1-alpha | 33 | 208 | 10 | 1 |
| 18 | 16.8 | 8.9 | gi 25809054 | DEAD box RNA helicase | 29 | 91 | 4 | 4 |
| 19 | 32.1 | 9.01 | gi 15425637 | beta-conglycinin beta subunit | 43 | 474 | 15 | 1 |
| 20 | 19.7 | 5.04 | gi 256427 | CG4 beta-conglycinin subunit | 35 | 262 | 12 | 1 |
| 21 | 20.1 | 9.59 | gi 7385201 | beta-ketoacyl ACP snythetase | 39 | 154 | 6 | 2 |
| 22 | 29.1 | 5.85 | gi 38636526 | formate dehydrogenase, mitochondrial | 30 | 177 | 6 | 1 |
| 23 | 29.7 | 5.48 | gi 21593328 | actin 11 | 35 | 186 | 6 | 4 |
| 24 | 32.7 | 5.05 | gi 6934188 | actin | 43 | 352 | 13 | 4 |
| 25 | 28.8 | 7.08 | gi 51536124 | formate dehydrogenase, mitochondrial | 35 | 367 | 10 | 1 |
| 26 | 28.3 | 8.7 | gi 22597178 | alchohol dehydrogenase 1 | 25 | 165 | 8 | 2 |
| 27 | 19 | 4.76 | gi 1161602 | phosphoglycerate kinase | 36 | 125 | 5 | 4 |
| 28 | 19.9 | 5.84 | gi 452767 | alchohol dehydrogenase 1 | 38 | 319 | 9 | 2 |
| 29 | 21.7 | 9.52 | gi 62816190 | glyceraldehyde-3-phosphate dehydrogenase | 42 | 246 | 10 | 1 |
| 30 | 18.6 | 6.82 | gi 4539543 | glyceraldehyde-3-phosphate dehydrogenase | 41 | 185 | 7 | 1 |
| 31 | 20.6 | 7.67 | gi 4539543 | glyceraldehyde-3-phosphate dehydrogenase | 67 | 486 | 16 | 1 |
| 32 | 20.3 | 6.17 | gi 462137 | glyceraldehyde-3-phosphate dehydrogenase | 72 | 406 | 18 | 1 |
| 33 | 21.2 | 6.42 | gi 927505 | fructose 1,6-bisphosphate aldolase | 36 | 295 | 10 | 1 |
| 34 | 20.3 | 9 | gi 23731208 | putative GDSL-motif lipase | 51 | 340 | 14 | 4 |
| d35 | 23.8 | 8.44 | gi 1309256a | glycinin A1aBx | 31 | 167 | 5 | 4 |
| 36 | NA | NA | NA | not identified | NA | NA | NA | NA |
| 37 | 20.1 | 6.49 | gi 9622153 | seed maturation protein PM34 | 26 | 194 | 5 | 2 |
| 38 | 16.5 | 4.25 | gi 255224 | glycinin G4 subunit | 31 | 141 | 4 | 1 |
| 39 | 23.8 | 8.44 | gi 18635 | glycinin G1 subunit | 44 | 169 | 7 | 1 |
| 40 | 13.3 | 8 | gi 225651 | glycinin A1aBx | 18 | 72 | 2 | 4 |
| 41 | 18.9 | 6.72 | gi 5524682 | Ni-binding urease accessory protein | 15 | 94 | 5 | 2 |
| 42 | 23.7 | 8.62 | gi 3176098 | annexin | 53 | 474 | 12 | 1 |
| 43 | 23.7 | 8.62 | gi 3176098 | annexin | 53 | 474 | 12 | 1 |
| 44 | 20.9 | 8.72 | gi 3176098 | annexin | 41 | 500 | 11 | 1 |
| 45 | 29.3 | 7.89 | gi 3176098 | annexin | 41 | 432 | 13 | 1 |
| 46 | 27.8 | 4.84 | gi 50931081 | putative 26S proteasome regulatory subunit | 18 | 140 | 4 | 4 |
| 47 | 27.4 | 4.76 | gi 47755555 | 14-3-3-like protein | 25 | 149 | 5 | 2 |
| 48 | 22.1 | 5.21 | gi 1575725 | SGF14A (14-3-3 isoform) | 50 | 364 | 13 | 2 |
| 49 | 17.2 | 5.38 | gi 47755555 | 14-3-3-like protein | 9 | 72 | 4 | 2 |
| 50 | 20.9 | 5.56 | gi 282898 | lecin precursor | 54 | 348 | 12 | 3 |
| 51 | NA | NA | NA | not identified | NA | NA | NA | NA |
| 52 | 31.8 | 9.15 | gi 7488887 | short chain alcohol dehydrogenase | 29 | 241 | 9 | 4 |
| 53 | 19.8 | 6.13 | gi 57506548 | glucose and ribitol dehydrogenase | 29 | 115 | 5 | 1 |
| 54 | 21.9 | 9.63 | gi 282901 | maturation protein MAT9 | 11 | 70 | 2 | 4 |
| 55 | 22.3 | 6.26 | gi 28950805 | putative embyro-specific protein  | 51 | 257 | 13 | 4 |
| 56 | 19.1 | 10.32 | gi 12229936 | proteasome subunit alpha | 25 | 142 | 5 | 4 |
| 57 | 20.3 | 9.08 | gi 38640795 | endo-1,3-glucanase | 31 | 164 | 6 | 2 |
| 58 | 16.6 | 9.4 | gi 4260342 | mitochondrial voltage-dependent porin | 51 | 140 | 5 | 2 |
| 59 | 25.7 | 5.47 | gi 20197253 | putative protein | 30 | 200 | 7 | 4 |
| 60 | 27 | 5.78 | gi 37196685 | cytosolic ascorbate peroxidase 1 | 32 | 198 | 6 | 4 |
| 61 | 24.9 | 5.06 | gi 37196687 | cytosolic ascorbate peroxidase 2 | 32 | 188 | 8 | 4 |
| 62 | 29.5 | 5.89 | gi 48773765 | trisephosphate isomerase | 36 | 277 | 8 | 4 |
| 63 | 20.3 | 6.88 | gi 7488657 | cysteine proteinase inhibitor | 27 | 120 | 5 | 4 |
| 64 | NA | NA | NA | not identified | NA | NA | NA | NA |
| 65 | 21.1 | 8.95 | gi 49618728 | 1-cys peroxiredoxin | 37 | 274 | 9 | 4 |
| 66 | NA | NA | NA | not identified | NA | NA | NA | NA |
| 67 | 24.8 | 8.48 | gi 3421123 | 20S proteasome beta-subunit PBG1 | 14 | 69 | 3 | 4 |
| 68 | 20.1 | 9.64 | gi 806556 | glycinin A5A4B3 subunit | 27 | 279 | 6 | 3 |
| 69 | 20.1 | 9.64 | gi 806556 | glycinin A5A4B3 subunit | 27 | 255 | 4 | 3 |
| 70 | 23.2 | 7 | gi 23306428 | putative strictosidine synthase | 50 | 364 | 13 | 4 |
| 71 | 13 | 6.92 | gi 4803937 | glycine rich protein A.thaliana | 24 | 121 | 3 | 4 |
| 72 | 22.6 | 9.13 | gi 5733686 | maturation protein pPM32 | 13 | 121 | 4 | 2 |
| 73 | 24.4 | 5.68 | gi 21593056 | GSH-dependent dehydroascorbate reductase | 40 | 330 | 9 | 4 |
| 74 | 18.7 | 7.85 | gi 225651 | glycinin A1aBx | 53 | 428 | 14 | 4 |
| 75 | 20.3 | 6.34 | gi 225651 | glycinin A1aBx | 67 | 532 | 15 | 4 |
| 76 | 19.7 | 6.18 | gi 37930463 | glutathionine peroxidase | 54 | 268 | 9 | 4 |
| 77 | 19.2 | 7.56 | gi 39725577 | trypsin inhibitor | 36 | 293 | 9 | 1 |
| 78 | 20.4 | 5.2 | gi 18770 | trypsin inhibitor | 32 | 252 | 9 | 1 |
| 79 | 15 | 5.09 | gi 5726567 | glycine rich RNA-binding protein | 60 | 223 | 8 | 4 |
| 80 | 16.6 | 9.4 | gi 67848430 | mitochondrial voltage-dependent porin | 51 | 140 | 5 | 2 |
| 81 | 16.2 | 8.52 | gi 13624884 | thioredoxin | 22 | 179 | 5 | 4 |
| 82 | 21.9 | 8.05 | gi 28972750 | putative disease response | 20 | 197 | 7 | 4 |
| 83 | 18.2 | 9.15 | gi 1236951 | nucleoside diphosphate kinase | 18 | 68 | 3 | 2 |
| 84 | NA | NA | NA | not identified | NA | NA | NA | NA |
| 85 | 19.5 | 9.43 | gi 1236951 | nucleoside diphosphate kinase | 37 | 353 | 12 | 2 |
| 86 | 25.8 | 7.74 | gi 3377794 | proteasome IOTA subunit | 13 | 87 | 4 | 4 |
| 87 | 21.8 | 8.05 | gi 28973750  | putative disease response | 35 | 234 | 8 | 4 |
| 88 | 18.6 | 6 | gi 4097896 | napin-type 2S albumin | 18 | 82 | 3 | 1 |
| 89 | NA | NA | NA | not identified | NA | NA | NA | NA |
| 90 | 24.7 | 7.82 | gi 26449830 | putuative GDSL-motif lipase/acylhydrolase | 22 | 212 | 5 | 4 |
| 91 | 18.5 | 8.15 | gi 5106775 | ribosomal protein S12 Hordeum | 49 | 192 | 10 | 4 |
| 92 | 22.1 | 5.94 | gi 255224 | glycinin G4 subunit | 35 | 183 | 7 | 1 |
| 93 | 19.9 | 9.38 | gi 21537360 | putative glyoxalase | 3 | 92 | 3 | 4 |