**Table S4.** List of sperm proteins in *Ficus carica* treated group.

|  |  |  |  |
| --- | --- | --- | --- |
| **Bil.** | **No. ID Protein** | **Nama Protein** | **Berat Molekul [kDa]** |
| 1 | B0K020 | CDGSH iron-sulfur domain-containing protein 1 | 12.089 |
| 2 | O08651 | D-3-phosphoglycerate dehydrogenase | 56.457 |
| 3 | O35094 | Mitochondrial import inner membrane translocase subunit TIM44 | 51.028 |
| 4 | O35509 | Ras-related protein Rab-11B | 24.473 |
| 5 | O35774 | A-kinase anchor protein 4 | 93.434 |
| 6 | O70489 | Lysosomal thioesterase PPT2 | 34.333 |
| 7 | P00406 | Cytochrome c oxidase subunit 2 | 25.911 |
| 8 | P00507 | Aspartate aminotransferase, mitochondrial | 47.284 |
| 9 | P00762 | Anionic trypsin-1 | 25.943 |
| 10 | P01048 | T-kininogen 1 | 47.745 |
| 11 | P01835 | Ig kappa chain C region, B allele | 11.594 |
| 12 | P01946 | Hemoglobin subunit alpha-1/2 | 15.319 |
| 13 | P02091 | Hemoglobin subunit beta-1 | 15.969 |
| 14 | P02650 | Apolipoprotein E | 35.731 |
| 15 | P02770 | Serum albumin | 68.686 |
| 16 | P04083 | Annexin A1 | 38.69 |
| 17 | P04636 | Malate dehydrogenase, mitochondrial | 35.661 |
| 18 | P04642 | L-lactate dehydrogenase A chain | 36.427 |
| 19 | P04764 | Alpha-enolase | 47.098 |
| 20 | P04797 | Glyceraldehyde-3-phosphate dehydrogenase | 35.805 |
| 21 | P04905 | Glutathione S-transferase Mu 1 | 25.897 |
| 22 | P05708 | Hexokinase-1 | 102.342 |
| 23 | P05712 | Ras-related protein Rab-2A | 23.521 |
| 24 | P06761 | 78 kDa glucose-regulated protein | 72.302 |
| 25 | P06911 | Epididymal-specific lipocalin-5 | 20.656 |
| 26 | P07489 | Transthyretin | 13.649 |
| 27 | P07756 | Carbamoyl-phosphate synthase [ammonia], mitochondrial | 164.476 |
| 28 | P07895 | Superoxide dismutase [Mn], mitochondrial | 24.659 |
| 29 | P09320 | Prolactin-4A1 | 26.371 |
| 30 | P09411 | Phosphoglycerate kinase 1 | 44.522 |
| 31 | P09606 | Glutamine synthetase | 42.24 |
| 32 | P10715 | Cytochrome c, testis-specific | 11.735 |
| 33 | P10719 | ATP synthase subunit beta, mitochondrial | 56.318 |
| 34 | P10860 | Glutamate dehydrogenase 1 | 61.377 |
| 35 | P11442 | Clathrin heavy chain 1 | 191.477 |
| 36 | P11505 | Plasma membrane calcium-transporting ATPase 1 | 138.632 |
| 37 | P11884 | Aldehyde dehydrogenase, mitochondrial | 56.453 |
| 38 | P11980 | Pyruvate kinase PKM | 57.781 |
| 39 | P12020 | Cysteine-rich secretory protein 1 | 27.829 |
| 40 | P12346 | Serotransferrin | 76.346 |
| 41 | P13086 | Succinate--CoA ligase [ADP/GDP-forming] subunit alpha | 36.125 |
| 42 | P13601 | Aldehyde dehydrogenase, cytosolic 1 | 54.525 |
| 43 | P14668 | Annexin A5 | 35.722 |
| 44 | P15999 | ATP synthase subunit alpha, mitochondrial | 59.717 |
| 45 | P16036 | Phosphate carrier protein, mitochondrial | 39.419 |
| 46 | P17164 | Tissue alpha-L-fucosidase | 53.452 |
| 47 | P18163 | Long-chain-fatty-acid--CoA ligase 1 | 78.128 |
| 48 | P19629 | L-lactate dehydrogenase C chain | 35.664 |
| 49 | P20059 | Hemopexin | 51.318 |
| 50 | P20760 | Ig gamma-2A chain C region | 35.163 |
| 51 | P20761 | Ig gamma-2B chain C region | 36.474 |
| 52 | P20788 | Cytochrome b-c1 complex subunit Rieske | 29.427 |
| 53 | P21769 | Outer dense fiber protein 1 | 27.331 |
| 54 | P22057 | Prostaglandin-H2 D-isomerase | 21.288 |
| 55 | P27274 | CD59 glycoprotein | 13.781 |
| 56 | P28826 | Meprin A subunit beta | 79.185 |
| 57 | P30427 | Plectin | 533.214 |
| 58 | P30543 | Adenosine receptor A2a | 44.969 |
| 59 | P31000 | Vimentin | 53.7 |
| 60 | P31044 | Phosphatidylethanolamine-binding protein 1 | 20.788 |
| 61 | P32232 | Cystathionine beta-synthase | 61.415 |
| 62 | P32551 | Cytochrome b-c1 complex subunit 2, mitochondrial | 48.366 |
| 63 | P35439 | Glutamate receptor ionotropic, NMDA 1 | 105.442 |
| 64 | P35571 | Glycerol-3-phosphate dehydrogenase, mitochondrial | 80.921 |
| 65 | P45592 | Cofilin-1 | 18.521 |
| 66 | P46462 | Transitional endoplasmic reticulum ATPase | 89.293 |
| 67 | P47727 | Carbonyl reductase [NADPH] 1 | 30.559 |
| 68 | P48037 | Annexin A6 | 75.706 |
| 69 | P48675 | Desmin | 53.424 |
| 70 | P48721 | Stress-70 protein, mitochondrial | 73.812 |
| 71 | P49242 | 40S ribosomal protein S3a | 29.926 |
| 72 | P49755 | Transmembrane emp24 domain-containing protein 10 | 24.96 |
| 73 | P51542 | Cholesterol 7-alpha-monooxygenase | 58.053 |
| 74 | P51886 | Lumican | 38.255 |
| 75 | P53987 | Monocarboxylate transporter 1 | 53.203 |
| 76 | P54313 | Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 | 37.307 |
| 77 | P55054 | Fatty acid-binding protein 9 | 15.08 |
| 78 | P60711 | Actin, cytoplasmic 1 | 41.71 |
| 79 | P61515 | Putative 60S ribosomal protein L37a | 10.268 |
| 80 | P62632 | Elongation factor 1-alpha 2 | 50.422 |
| 81 | P62703 | 40S ribosomal protein S4, X isoform | 29.579 |
| 82 | P62738 | Actin, aortic smooth muscle | 41.982 |
| 83 | P62804 | Histone H4 | 11.36 |
| 84 | P62963 | Profilin-1 | 14.948 |
| 85 | P62982 | Ubiquitin-40S ribosomal protein S27a | 17.939 |
| 86 | P63018 | Heat shock cognate 71 kDa protein | 70.827 |
| 87 | P63039 | 60 kDa heat shock protein, mitochondrial | 60.917 |
| 88 | P63102 | 14-3-3 protein zeta/delta | 27.754 |
| 89 | P63170 | Dynein light chain 1, cytoplasmic | 10.359 |
| 90 | P67779 | Prohibitin | 29.802 |
| 91 | P69897 | Tubulin beta-5 chain | 49.639 |
| 92 | P70560 | Collagen alpha-1(XII) chain (Fragment) | 31.981 |
| 93 | P70623 | Fatty acid-binding protein, adipocyte | 14.699 |
| 94 | P81155 | Voltage-dependent anion-selective channel protein 2 | 31.726 |
| 95 | P82995 | Heat shock protein HSP 90-alpha | 84.762 |
| 96 | P97697 | Inositol monophosphatase 1 | 30.491 |
| 97 | P97924 | Kalirin | 336.375 |
| 98 | Q00729 | Histone H2B type 1-A | 14.216 |
| 99 | Q01129 | Decorin | 39.78 |
| 100 | Q06437 | Pyruvate dehydrogenase E1 component subunit alpha | 43.365 |
| 101 | Q06647 | ATP synthase subunit O, mitochondrial | 23.383 |
| 102 | Q07647 | Solute carrier family 2 | 53.546 |
| 103 | Q07936 | Annexin A2 | 38.654 |
| 104 | Q10758 | Keratin, type II cytoskeletal 8 | 53.985 |
| 105 | Q4FZU2 | Keratin, type II cytoskeletal 6A | 59.213 |
| 106 | Q4KLL5 | Ropporin-1 | 23.945 |
| 107 | Q4QR80 | 28S ribosomal protein S25, mitochondrial | 19.762 |
| 108 | Q5EB81 | NADH-cytochrome b5 reductase 1 | 34.201 |
| 109 | Q5GRG2 | Carboxylesterase 5A | 64.376 |
| 110 | Q5I0K5 | Mycophenolic acid acyl-glucuronide esterase | 33.131 |
| 111 | Q5RK28 | Normal mucosa of esophagus-specific gene 1 protein | 9.592 |
| 112 | Q5XI62 | Protein MENT | 37.617 |
| 113 | Q5XIH7 | Prohibitin-2 | 33.292 |
| 114 | Q5XIJ9 | Succinyl-CoA:3-ketoacid coenzyme A transferase 2A | 56.864 |
| 115 | Q5XIM9 | T-complex protein 1 subunit beta | 57.422 |
| 116 | Q60587 | Trifunctional enzyme subunit beta, mitochondrial | 51.382 |
| 117 | Q62803 | Hyaluronidase PH-20 | 58.375 |
| 118 | Q62812 | Myosin-9 OS=Rattus norvegicus | 226.197 |
| 119 | Q63060 | Glycerol kinase | 57.44 |
| 120 | Q63081 | Protein disulfide-isomerase A6 | 48.143 |
| 121 | Q63279 | Keratin, type I cytoskeletal 19 | 44.609 |
| 122 | Q63377 | Sodium/potassium-transporting ATPase subunit beta-3 | 31.809 |
| 123 | Q63569 | 26S proteasome regulatory subunit 6A | 49.129 |
| 124 | Q63862 | Myosin-11 (Fragments) | 152.398 |
| 125 | Q64298 | Sperm mitochondrial-associated cysteine-rich protein | 15.136 |
| 126 | Q64541 | Sodium/potassium-transporting ATPase subunit alpha-4 | 113.932 |
| 127 | Q66HD0 | Endoplasmin | 92.713 |
| 128 | Q68FR8 | Tubulin alpha-3 chain | 49.928 |
| 129 | Q68FY0 | Cytochrome b-c1 complex subunit 1 | 52.815 |
| 130 | Q6AXX6 | Redox-regulatory protein FAM213A | 25.746 |
| 131 | Q6AY06 | Izumo sperm-egg fusion protein 1 | 43.551 |
| 132 | Q6AY30 | Saccharopine dehydrogenase-like oxidoreductase | 47.058 |
| 133 | Q6AYD3 | Proliferation-associated protein 2G4 | 43.629 |
| 134 | Q6AYL6 | Mitochondria-eating protein | 63.844 |
| 135 | Q6AYX5 | Outer dense fiber protein 2 | 95.381 |
| 136 | Q6IFU8 | Keratin, type I cytoskeletal 17 | 48.093 |
| 137 | Q6IFV4 | Keratin, type I cytoskeletal 13 | 47.699 |
| 138 | Q6IFW6 | Keratin, type I cytoskeletal 10 | 56.47 |
| 139 | Q6IG02 | Keratin, type II cytoskeletal 2 epidermal | 69.085 |
| 140 | Q6IMF3 | Keratin, type II cytoskeletal 1 | 64.791 |
| 141 | Q6MGB5 | Estradiol 17-beta-dehydrogenase 8 | 26.774 |
| 142 | Q6P6Q2 | Keratin, type II cytoskeletal 5 | 61.788 |
| 143 | Q6P6R2 | Dihydrolipoyl dehydrogenase, mitochondrial | 54.004 |
| 144 | Q6P9T8 | Tubulin beta-4B chain | 49.769 |
| 145 | Q6YFQ1 | Cytochrome c oxidase subunit 6B2 | 10.465 |
| 146 | Q704S8 | Carnitine O-acetyltransferase | 70.755 |
| 147 | Q78P75 | Dynein light chain 2, cytoplasmic | 10.343 |
| 148 | Q7TQM5 | Keratinocyte proline-rich protein | 76.307 |
| 149 | Q8VHF5 | Citrate synthase, mitochondrial | 51.833 |
| 150 | Q8VI04 | Isoaspartyl peptidase/L-asparaginase | 34.389 |
| 151 | Q91XR8 | Phospholipid hydroperoxide glutathione peroxidase | 29.317 |
| 152 | Q9JK11 | Reticulon-4 | 126.31 |
| 153 | Q9R063 | Peroxiredoxin-5, mitochondrial | 22.165 |
| 154 | Q9Z1B2 | Glutathione S-transferase Mu 5 | 26.611 |
| 155 | Q9Z2L0 | Voltage-dependent anion-selective channel protein 1 | 30.737 |