

Supplemental Table S1A. Proteins in the DRC1p proximity proteome that were not identified in prior flagellum proteome studies.

| Accession | Description | Accession | Description |
|------------------|---|------------------|--|
| Tb927.1.1010 | E3 ubiquitin-protein ligase KCMF1, putative | Tb927.3.2760 | hypothetical protein, conserved |
| Tb927.1.1100 | Basal body protein | Tb927.3.2830 | brix domain containing protein, putative |
| Tb927.1.1840 | conserved protein, unknown function | Tb927.3.2950 | ribonuclease inhibitor- like protein |
| Tb927.1.2640 | hypothetical protein, conserved | Tb927.3.3120 | hypothetical protein, conserved |
| Tb927.1.3250 | Domain of unknown function (DUF4456), putative | Tb927.3.3350 | hypothetical protein, conserved |
| Tb927.1.4300 | chaperone protein DnaJ, putative | Tb927.3.3650 | hypothetical protein, conserved |
| Tb927.1.4420 | ABC transporter, putative | Tb927.3.4020 | phosphatidylinositol 4-kinase alpha, putative |
| Tb927.1.690 | hypothetical protein, conserved | Tb927.3.4510 | hypothetical protein, conserved |
| Tb927.1.780 | leucine-rich repeat-containing protein | Tb927.3.4610 | Right handed beta helix region, putative |
| Tb927.10.10090 | Component of motile flagella 14 | Tb927.3.4790 | Aminopeptidase M1, putative |
| Tb927.10.11070 | hypothetical protein, conserved | Tb927.3.5040 | hypothetical protein, conserved |
| Tb927.10.1120 | hypothetical protein, conserved | Tb927.3.5110 | hypothetical protein, conserved |
| Tb927.10.1150 | hypothetical protein, conserved | Tb927.3.5120 | Ankyrin repeats (3 copies), putative |
| Tb927.10.11550 | hypothetical protein, conserved | Tb927.3.5160 | Basal body protein |
| Tb927.10.12490 | kinesin, putative | Tb927.3.5260 | hypothetical protein, conserved |
| Tb927.10.12870 | Basal body protein | Tb927.3.690 | CMGC/RCK protein kinase, putative |
| Tb927.10.13000 | cAMP phosphodiesterase A, putative | Tb927.3.730 | hypothetical protein, conserved |
| Tb927.10.13030 | cysteine peptidase, Clan CA, family C2, putative | Tb927.3.920 | hypothetical protein, conserved |
| Tb927.10.13150 | hypothetical protein, conserved | Tb927.4.1150 | hypothetical protein, conserved |
| Tb927.10.13610 | zinc-finger of a C2HC-type/Double zinc ribbon, putative | Tb927.4.1430 | hypothetical protein, conserved |
| Tb927.10.13870 | tubulin tyrosine ligase protein, putative | Tb927.4.1750 | hypothetical protein, conserved |
| Tb927.10.14220 | hypothetical protein, conserved | Tb927.4.2240 | Aminotransferase class IV, putative |
| Tb927.10.14230 | hypothetical protein, conserved | Tb927.4.2640 | hypothetical protein, conserved |
| Tb927.10.14300 | MEKK-related kinase 1, putative | Tb927.4.2730 | kinesin, putative |
| Tb927.10.14420 | Serine/threonine-protein kinase NEK16, putative | Tb927.4.2880 | Nucleoporin NUP225 |
| Tb927.10.14480 | hypothetical protein, conserved | Tb927.4.2990 | hypothetical protein, conserved |
| Tb927.10.14730 | chaperone protein DnaJ, putative | Tb927.4.3470 | hypothetical protein, conserved |
| Tb927.10.1510 | CCR4-NOT transcription complex subunit 1 | Tb927.4.3770 | calcium/calmodulin-dependent protein kinase, putative |
| Tb927.10.15230 | hypothetical protein, conserved | Tb927.4.3810 | DNA-directed RNA polymerase II subunit 2, putative |
| Tb927.10.15450 | hypothetical protein, conserved | Tb927.4.3890 | ATP-dependent RNA helicase, putative |
| Tb927.10.15550 | hypothetical protein, conserved | Tb927.4.4400 | hypothetical protein, conserved |
| Tb927.10.15660 | hypothetical protein, conserved | Tb927.4.850 | hypothetical protein, conserved |
| Tb927.10.15680 | hypothetical protein, conserved | Tb927.5.1010 | hypothetical protein, conserved |
| Tb927.10.15730 | SPRY domain/Ankyrin repeats (3 copies), putative | Tb927.5.1140 | choline/ethanolamine kinase |
| Tb927.10.1630 | atp-binding cassette sub-family e member 1 | Tb927.5.1540 | hypothetical protein, conserved |
| Tb927.10.1980 | hypothetical protein, conserved | Tb927.5.1920 | hypothetical protein, conserved |
| Tb927.10.2650 | hypothetical protein, conserved | Tb927.5.2410 | kinesin, putative |
| Tb927.10.2900 | importin beta-1 subunit, putative | Tb927.5.2620 | hypothetical protein, conserved |
| Tb927.10.2920 | SUMO-interacting motif-containing protein | Tb927.5.2680 | hypothetical protein, conserved |
| Tb927.10.3010 | hook complex protein, conserved | Tb927.5.2890 | AAA domain (dynein-related subfamily)/von Willebrand factor type A domain containing protein, putative |
| Tb927.10.3780 | hypothetical protein, conserved | Tb927.5.3230 | hypothetical protein, conserved |
| Tb927.10.3790 | hypothetical protein, conserved | Tb927.5.3290 | Protein of unknown function, putative |
| Tb927.10.3870 | hypothetical protein, conserved | Tb927.5.3330 | hypothetical protein, conserved |
| Tb927.10.4290 | hypothetical protein, conserved | Tb927.5.3650 | hypothetical protein, conserved |
| Tb927.10.4320 | hypothetical protein, conserved | Tb927.5.4110 | hypothetical protein, conserved |

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| Tb927.10.4600 | predicted SET domain protein | Tb927.5.4380 | Kinetoplastid-specific Protein Phosphatase 1 |
| Tb927.10.4750 | hypothetical protein, conserved | Tb927.5.4400 | hypothetical protein, conserved |
| Tb927.10.4890 | zinc-finger of a C2HC-type, putative | Tb927.5.570 | hypothetical protein, conserved |
| Tb927.10.4920 | hypothetical protein, conserved | Tb927.5.950 | monothiol glutaredoxin, putative |
| Tb927.10.4940 | Nuclear Dbf2-related kinase | Tb927.6.1480 | hypothetical protein, conserved |
| Tb927.10.5000 | hypothetical protein, conserved | Tb927.6.2120 | hypothetical protein, conserved |
| Tb927.10.5170 | XPC-binding domain containing protein, putative | Tb927.6.2690 | ubiquitin carboxyl-terminal hydrolase, putative |
| Tb927.10.5240 | cAMP binding protein, putative | Tb927.6.2760 | hypothetical protein, conserved |
| Tb927.10.5380 | intraflagellar transport protein 122 | Tb927.6.2850 | ESAG8-associated protein, putative |
| Tb927.10.5460 | 60S ribosomal protein L24, putative | Tb927.6.3020 | hypothetical protein, conserved |
| Tb927.10.5480 | 60S ribosomal protein L24, putative | Tb927.6.3100 | Intraflagellar transport complex B protein 46 C terminal, putative |
| Tb927.10.5580 | hypothetical protein, conserved | Tb927.6.3310 | cysteine peptidase, Clan CA, family C2, putative |
| Tb927.10.5890 | Galactose oxidase, central domain containing protein, putative | Tb927.6.4640 | hypothetical protein, conserved |
| Tb927.10.5930 | NEK family Serine/threonine-protein kinase, putative | Tb927.6.4750 | hypothetical protein, conserved |
| Tb927.10.6000 | hypothetical protein, conserved | Tb927.7.1230 | hypothetical protein, conserved |
| Tb927.10.6110 | hypothetical protein, conserved | Tb927.7.1240 | Sphingosine kinase |
| Tb927.10.6210 | TPR repeat, putative | Tb927.7.1560 | TPR repeat, putative |
| Tb927.10.6230 | MORN repeat containing protein | Tb927.7.1760 | hypothetical protein, conserved |
| Tb927.10.6330 | kinetoplastid kinetochore protein 1 | Tb927.7.1870 | hypothetical protein, conserved |
| Tb927.10.6340 | hypothetical protein, conserved | Tb927.7.2280 | hypothetical protein, conserved |
| Tb927.10.6580 | hypothetical protein | Tb927.7.2350 | hypothetical protein, conserved |
| Tb927.10.6980 | caltractin, putative | Tb927.7.2730 | leucine-rich repeat protein (LRRP), putative |
| Tb927.10.7830 | hypothetical protein, conserved | Tb927.7.2810 | hypothetical protein, conserved |
| Tb927.10.820 | hypothetical protein, conserved | Tb927.7.290 | leucine-rich repeat protein 1 (LRRP1), putative |
| Tb927.10.8390 | Concanavalin A-like lectin/glucanases superfamily/SPRY domain/HECT-domain (ubiquitin-transferase), putative | Tb927.7.3000 | kinesin, putative |
| Tb927.10.8910 | Nucleoporin NUP181 | Tb927.7.3130 | Transition Zone Protein 103 kDa |
| Tb927.10.930 | hypothetical protein, conserved | Tb927.7.3400 | MORN repeat, putative |
| Tb927.10.9380 | SEP domain/UBX domain containing protein, putative | Tb927.7.3540 | hypothetical protein, conserved |
| Tb927.10.970 | Tetratricopeptide repeat, putative | Tb927.7.3580 | Serine/threonine-protein kinase NEK11, putative |
| Tb927.11.10120 | hypothetical protein, conserved | Tb927.7.3610 | hypothetical protein, conserved |
| Tb927.11.10210 | hypothetical protein, conserved | Tb927.7.3670 | TrkA-N domain containing protein, putative |
| Tb927.11.1030 | kinetoplastid kinetochore protein 7 | Tb927.7.3880 | Basal body protein |
| Tb927.11.10350 | hypothetical protein, conserved | Tb927.7.4130 | hypothetical protein, conserved |
| Tb927.11.10360 | hypothetical protein, conserved | Tb927.7.4360 | hypothetical protein, conserved |
| Tb927.11.10520 | kinetoplastid kinetochore protein 2 | Tb927.7.4370 | hypothetical protein, conserved |
| Tb927.11.10560 | eukaryotic translation initiation factor 4 gamma 4 | Tb927.7.4410 | hypothetical protein, conserved |
| Tb927.11.10610 | hypothetical protein, conserved | Tb927.7.4600 | Calponin homology (CH) domain containing protein, putative |
| Tb927.11.10660 | Basal body protein | Tb927.7.4900 | 5'-3' exoribonuclease A |
| Tb927.11.11090 | Nucleoporin NUP140 | Tb927.7.500 | hypothetical protein, conserved |
| Tb927.11.1110 | calpain, putative | Tb927.7.510 | hypothetical protein, conserved |
| Tb927.11.11260 | hypothetical protein, conserved | Tb927.7.5410 | hypothetical protein, conserved |
| Tb927.11.1130 | calpain-like cysteine peptidase, putative | Tb927.7.5430 | hypothetical protein, conserved |
| Tb927.11.11600 | hypothetical protein, conserved | Tb927.7.6220 | calcium/calmodulin-dependent protein kinase, putative |
| Tb927.11.11880 | conserved protein | Tb927.7.6310 | polo-like protein kinase |
| Tb927.11.1220 | hypothetical protein, conserved | Tb927.7.6680 | STE/STE11 serine/threonine-protein kinase, putative |
| Tb927.11.12430 | cell division cycle phosphatase 14, putative | Tb927.7.6760 | hypothetical protein, conserved |

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|----------------|---|---------------|--|
| Tb927.11.12510 | hypothetical protein, conserved | Tb927.7.7000 | hook complex protein, conserved |
| Tb927.11.12970 | hypothetical protein, conserved | Tb927.7.7070 | MYND finger, putative |
| Tb927.11.13360 | AAA ATPase, putative | Tb927.7.7100 | hypothetical protein |
| Tb927.11.13450 | hypothetical protein, conserved | Tb927.7.7190 | hypothetical protein, conserved |
| Tb927.11.13490 | hypothetical protein, conserved | Tb927.7.7260 | kinesin, putative |
| Tb927.11.1380 | Right handed beta helix region/Periplasmic copper-binding protein (NosD), putative | Tb927.7.7320 | hypothetical protein, conserved |
| Tb927.11.13840 | hypothetical protein, conserved | Tb927.7.7400 | Basal body protein |
| Tb927.11.13920 | kinesin-II 85 Kd subunit, putative | Tb927.7.860 | hypothetical protein, conserved |
| Tb927.11.14220 | Regulator of ESAG9-1 | Tb927.8.1080 | centrin, putative |
| Tb927.11.14410 | Ankyrin repeats (3 copies), putative | Tb927.8.1280 | hypothetical protein, conserved |
| Tb927.11.14680 | phosphatidylinositol 3-related kinase, putative | Tb927.8.1360 | Dynein heavy chain, N-terminal region 2, putative |
| Tb927.11.14920 | hypothetical protein, conserved | Tb927.8.1890 | cytochrome c1, heme protein, mitochondrial, putative |
| Tb927.11.15250 | hypothetical protein, conserved | Tb927.8.2220 | hypothetical protein, conserved |
| Tb927.11.15310 | hypothetical protein, conserved | Tb927.8.2440 | hypothetical protein, conserved |
| Tb927.11.15450 | Basal body protein | Tb927.8.2590 | Basal body protein |
| Tb927.11.15610 | hypothetical protein, conserved | Tb927.8.2660 | Galactose oxidase, central domain containing protein, putative |
| Tb927.11.15740 | hypothetical protein, conserved | Tb927.8.2870 | conserved protein |
| Tb927.11.15750 | AMP deaminase, putative | Tb927.8.3000 | hypothetical protein, conserved |
| Tb927.11.15940 | hypothetical protein, conserved | Tb927.8.3010 | hook complex protein, conserved |
| Tb927.11.16210 | cAMP response protein 1, putative | Tb927.8.3410 | Inositol hexakisphosphate, putative |
| Tb927.11.16790 | mitogen-activated protein kinase | Tb927.8.3590 | hypothetical protein, conserved |
| Tb927.11.2290 | hypothetical protein, conserved | Tb927.8.3700 | hypothetical protein, conserved |
| Tb927.11.2590 | Flagellum attachment zone protein 12 | Tb927.8.3990 | hypothetical protein, conserved |
| Tb927.11.3110 | hypothetical protein, conserved | Tb927.8.4100 | FLA1-binding protein |
| Tb927.11.3140 | dual specificity tyrosine-phosphorylation-regulated kinase 2, putative | Tb927.8.4160 | hypothetical protein, conserved |
| Tb927.11.3390 | Concanavalin A-like lectin/glucanases superfamily/SPRY domain/HECT-domain (ubiquitin-transferase), putative | Tb927.8.4320 | hypothetical protein, conserved |
| Tb927.11.3680 | calmodulin, putative | Tb927.8.4480 | hypothetical protein, conserved |
| Tb927.11.3910 | hypothetical protein, conserved | Tb927.8.4510 | Nucleoside diphosphate kinase 4 |
| Tb927.11.3990 | hypothetical protein, conserved | Tb927.8.4590 | hypothetical protein, conserved |
| Tb927.11.4010 | hypothetical protein, conserved | Tb927.8.4910 | hypothetical protein, conserved |
| Tb927.11.4210 | U-box domain containing protein, putative | Tb927.8.5020 | hypothetical protein, conserved |
| Tb927.11.4280 | hypothetical protein, conserved | Tb927.8.5110 | hypothetical protein, conserved |
| Tb927.11.4350 | SUMO-interacting motif-containing protein | Tb927.8.5170 | hypothetical protein, conserved |
| Tb927.11.4540 | Nucleoporin NUP48 | Tb927.8.5290 | WW domain containing protein, putative |
| Tb927.11.4660 | Kinesin-13 2 | Tb927.8.5940 | hypothetical protein, conserved |
| Tb927.11.4720 | hypothetical protein, conserved | Tb927.8.5970 | Cullin 5, putative |
| Tb927.11.4740 | paraflagellar rod component, putative | Tb927.8.6250 | Nucleoporin NUP76 |
| Tb927.11.4950 | hypothetical protein, conserved | Tb927.8.6490 | Basal body protein |
| Tb927.11.5040 | leucine-rich repeat protein (LRRP), putative | Tb927.8.6650 | RNA-binding protein, putative |
| Tb927.11.5190 | leucine-rich repeat protein (LRRP), putative | Tb927.8.6790 | hypothetical protein, conserved |
| Tb927.11.5250 | hypothetical protein, conserved | Tb927.8.6830 | kinesin, putative |
| Tb927.11.560 | hypothetical protein, conserved | Tb927.8.6870 | hypothetical protein, conserved |
| Tb927.11.5660 | hypothetical protein, conserved | Tb927.8.6940 | hypothetical protein, conserved |
| Tb927.11.5770 | hypothetical protein, conserved | Tb927.8.7060 | hypothetical protein, conserved |
| Tb927.11.630 | RNA polymerase I second largest subunit | Tb927.8.7080 | hypothetical protein, conserved |
| Tb927.11.6350 | AAA ATPase, putative | Tb927.8.790 | hypothetical protein, conserved |
| Tb927.11.6430 | hypothetical protein, conserved | Tb927.8.7970 | hypothetical protein |
| Tb927.11.6780 | regulator of chromatin condensation, putative | Tb927.8.8070 | conserved protein |
| Tb927.11.6820 | hypothetical protein, conserved | Tb927.8.960 | hypothetical protein, conserved |
| Tb927.11.7180 | MORN repeat, putative | Tb927.9.10530 | Flagellum attachment zone protein 4 |

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|---------------|---|---------------|---|
| Tb927.11.7670 | Cornifin (SPRR) family, putative | Tb927.9.10950 | chaperone protein DnaJ, putative |
| Tb927.11.8210 | RAD50 DNA repair-like protein | Tb927.9.12490 | hypothetical protein, conserved |
| Tb927.11.8290 | DIS3-like exonuclease, putative | Tb927.9.12800 | hypothetical protein, conserved |
| Tb927.11.8300 | hypothetical protein, conserved | Tb927.9.13300 | Ring finger domain containing protein, putative |
| Tb927.11.8410 | hypothetical protein, conserved | Tb927.9.13610 | helicase, putative |
| Tb927.11.910 | hypothetical protein, conserved | Tb927.9.14220 | metacaspase 5, putative |
| Tb927.11.9220 | proteasome regulatory non-ATP-ase subunit 2 | Tb927.9.15400 | ankyrin-repeat protein, putative |
| Tb927.11.9240 | hypothetical protein, conserved | Tb927.9.1770 | Zn-finger in Ran binding protein and others/SPRY domain/HECT-domain (ubiquitin-transferase), putative |
| Tb927.11.9370 | hypothetical protein, conserved | Tb927.9.2130 | hypothetical protein, conserved |
| Tb927.11.9650 | hypothetical protein, conserved | Tb927.9.2900 | U3 small nucleolar RNA-associated protein 10, putative |
| Tb927.11.9680 | hypothetical protein, conserved | Tb927.9.3030 | hypothetical protein, conserved |
| Tb927.11.9780 | Nucleoporin NUP119 | Tb927.9.3120 | STE/STE11 serine/threonine-protein kinase, putative |
| Tb927.11.9880 | Protein of unknown function (DUF2009), putative | Tb927.9.3130 | hypothetical protein, conserved |
| Tb927.2.2090 | SUMO-interacting motif-containing protein | Tb927.9.3400 | endo-beta-N-acetylglucosaminidase, putative |
| Tb927.2.2880 | TPR repeat/Tetratricopeptide repeat, putative | Tb927.9.3680 | hypothetical protein, conserved |
| Tb927.2.3000 | hypothetical protein, conserved | Tb927.9.3870 | hypothetical protein, conserved |
| Tb927.2.3730 | hypothetical protein, conserved | Tb927.9.4420 | Beat-regulation protein |
| Tb927.2.4160 | hypothetical protein, conserved | Tb927.9.5520 | ubiquitin carboxyl-terminal hydrolase, putative |
| Tb927.2.4200 | CMGC/CLK family protein kinase, putative | Tb927.9.5620 | hypothetical protein, conserved |
| Tb927.2.4480 | hypothetical protein, conserved | Tb927.9.6350 | inositol-1(or 4)-monophosphatase, putative |
| Tb927.2.4780 | hypothetical protein, conserved | Tb927.9.6460 | hypothetical protein, conserved |
| Tb927.2.4930 | esterase, putative | Tb927.9.6880 | cAMP-specific phosphodiesterase, putative |
| Tb927.2.5010 | Meiotic cell cortex C-terminal pleckstrin homology, putative | Tb927.9.7690 | SUMO-interacting motif-containing protein |
| Tb927.2.5220 | hypothetical protein, conserved | Tb927.9.8330 | hypothetical protein |
| Tb927.2.5530 | Present in the outer mitochondrial membrane proteome 22-1 | Tb927.9.8350 | hypothetical protein, conserved |
| Tb927.2.5610 | Present in the outer mitochondrial membrane proteome 22B | Tb927.9.8500 | hypothetical protein |
| Tb927.2.5860 | hypothetical protein, conserved | Tb927.9.9300 | hypothetical protein, conserved |
| Tb927.2.5870 | hypothetical protein, conserved | Tb927.9.9580 | tubulin tyrosine ligase protein, putative |
| Tb927.2.5950 | hypothetical protein, conserved | Tb927.9.9640 | hypothetical protein, conserved |
| Tb927.3.1190 | hypothetical protein, conserved | Tb927.9.9870 | Kinesin-13 6, putative |
| Tb927.3.2040 | kinesin, putative | | |
| Tb927.3.2110 | Mitochondrial import inner membrane translocase subunit TIM50 | | |
| Tb927.3.2440 | AGC essential kinase 1 | | |
| Tb927.3.2640 | hypothetical protein, conserved | | |

Supplemental Table S1B. Proteins in the DRC1p proximity proteome that were identified in prior flagellum proteome studies.

| Accession | Description | Accession | Description |
|------------------|---|------------------|--|
| Tb927.1.2100 | Calpain-like protein 1.1 | Tb927.3.1420 | hypothetical protein, conserved |
| Tb927.1.2120 | Calpain-like protein CALP1.3 | Tb927.3.1670 | hypothetical protein, conserved |
| Tb927.1.2670 | paralyzed flagella 16 | Tb927.3.1740 | hypothetical protein, conserved |
| Tb927.1.2770 | hypothetical protein, conserved | Tb927.3.1770 | leucine-rich repeat protein (LRRP), putative |
| Tb927.1.4180 | leucine-rich repeat protein (LRRP), putative | Tb927.3.1850 | CMGC/MAPK protein kinase, putative |
| Tb927.1.4340 | hypothetical protein, conserved | Tb927.3.1900 | conserved protein, unknown function |
| Tb927.1.4470 | hypothetical protein, conserved | Tb927.3.2070 | hypothetical protein, conserved |
| Tb927.1.750 | Metal-binding domain-containing protein | Tb927.3.2600 | ATP-dependent DEAD/H RNA helicase, putative |
| Tb927.1.990 | Enkuring domain-containig protein | Tb927.3.3000 | Putative intraflagellar transport protein C3 |
| Tb927.10.10630 | hypothetical protein, conserved | Tb927.3.3200 | Domain of unknown function (DUF4586), putative |
| Tb927.10.11080 | paraflagellar rod protein | Tb927.3.3560 | U-box domain containing protein, putative |
| Tb927.10.11250 | Coiled-coil domain-containing protein 40 homolog | Tb927.3.3690 | flagellar radial spoke protein-like, putative |
| Tb927.10.1130 | dynein arm light chain, axonemal, putative | Tb927.3.4270 | hypothetical protein, conserved |
| Tb927.10.11310 | intraflagellar transport protein 57/55 | Tb927.3.4290 | Paraflagellar rod protein 1-1 |
| Tb927.10.11340 | hypothetical protein, conserved | Tb927.3.4300 | Paraflagellar rod protein 1-2 |
| Tb927.10.11580 | predicted WD40 repeat protein | Tb927.3.4310 | Paraflagellar rod protein 1-3 |
| Tb927.10.1170 | intraflagellar transport protein 172 | Tb927.3.4330 | Paraflagellar rod protein 1-5 |
| Tb927.10.11780 | hypothetical protein, conserved | Tb927.3.4320 | Paraflagellar rod protein 1-4 |
| Tb927.10.11850 | WD domain, G-beta repeat, putative | Tb927.3.4500 | Fumarate hydratase class I, cytosolic |
| Tb927.10.12130 | Ubiquitin family, putative | Tb927.3.4750 | Aminopeptidase M1, putative |
| Tb927.10.13550 | hypothetical protein, conserved | Tb927.3.4960 | kinesin, putative |
| Tb927.10.13780 | Glycogen synthase kinase 3 short | Tb927.3.4970 | hypothetical protein, conserved |
| Tb927.10.13960 | paralyzed flagella protein 20 | Tb927.3.4980 | hypothetical protein, conserved, frameshift |
| Tb927.10.1400 | hypoxanthine-guanine phosphoribosyltransferase | Tb927.3.5020 | Flagellar Member 6 |
| Tb927.10.14000 | aconitase | Tb927.3.5310 | paraflagellar rod protein |
| Tb927.10.14340 | hypothetical protein, conserved | Tb927.3.5490 | Putative intraflagellar transport protein B2 |
| Tb927.10.14460 | leucine-rich repeat protein (LRRP), putative | Tb927.3.5510 | hypothetical protein, conserved |
| Tb927.10.14470 | intraflagellar transport protein 140 | Tb927.3.880 | Ankyrin repeats (3 copies), putative |
| Tb927.10.14490 | hypothetical protein, conserved | Tb927.3.930 | dynein heavy chain, putative |
| Tb927.10.1450 | plectin, putative | Tb927.4.1680 | ZFP family member, putative |
| Tb927.10.14560 | TPR repeat, putative | Tb927.4.1740 | Component of motile flagella 41 |
| Tb927.10.14570 | kinesin motor domain containing protein, putative | Tb927.4.1890 | hypothetical protein, conserved |
| Tb927.10.14610 | leucine-rich repeat protein (LRRP), putative | Tb927.4.2140 | Component of motile flagella 8 |
| Tb927.10.14980 | intraflagellar transport protein 52 | Tb927.4.2300 | hypothetical protein, conserved |
| Tb927.10.14990 | intraflagellar transport protein 80 | Tb927.4.2400 | hypothetical protein, conserved |
| Tb927.10.15000 | hypothetical protein, conserved | Tb927.4.2600 | SUMO-interacting motif-containing protein |
| Tb927.10.15280 | Domain of Unknown Function (DUF1042), putative | Tb927.4.2740 | p25-alpha, putative |
| Tb927.10.15390 | Flagellum attachment zone protein 7 | Tb927.4.2920 | hypothetical protein, conserved |
| Tb927.10.15770 | hypothetical protein, conserved | Tb927.4.3620 | serine threonine-protein phosphatase PP1, putative |
| Tb927.10.1890 | cysteine peptidase, Clan CA, family C2, putative | Tb927.4.4370 | hypothetical protein, conserved |
| Tb927.10.1970 | CHAT domain containing protein, putative | Tb927.4.5000 | TerD domain containing protein, putative |
| Tb927.10.2190 | Protein of unknown function (DUF667), putative | Tb927.4.5340 | Flagellum attachment zone protein 11 |
| Tb927.10.2380 | Tetratricopeptide repeat, putative | Tb927.4.5380 | Cilia- and flagella-associated protein 43 |
| Tb927.10.2640 | intraflagellar transport protein 81 | Tb927.4.560 | Cytoplasmic dynein 2 heavy chain (DYNC2H1), putative |
| Tb927.10.2880 | Voltage-dependent calcium channel subunit, putative | Tb927.4.620 | hypothetical protein, conserved |

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|----------------|--|--------------|---|
| Tb927.10.2950 | hypothetical protein, conserved | Tb927.4.660 | hypothetical protein, conserved |
| Tb927.10.3020 | hypothetical protein, conserved | Tb927.4.670 | conserved protein, unknown function |
| Tb927.10.3130 | myotubularin-associated protein, putative | Tb927.4.870 | dynein heavy chain, putative |
| Tb927.10.3310 | Component of motile flagella 76b | Tb927.5.1100 | peroxisome targeting signal 1 receptor |
| Tb927.10.360 | hypothetical protein, conserved | Tb927.5.1230 | hypothetical protein, conserved |
| Tb927.10.3820 | hypothetical protein, conserved | Tb927.5.1680 | hypothetical protein, conserved |
| Tb927.10.4170 | hypothetical protein, conserved | Tb927.5.1690 | hypothetical protein, conserved |
| Tb927.10.5230 | ADP-ribosylation factor-like protein 13, putative | Tb927.5.1900 | Outer dynein arm docking complex protein 1, putative |
| Tb927.10.5260 | C2 domain containing protein, putative | Tb927.5.2270 | Component of motile flagella 44 |
| Tb927.10.5350 | dynein heavy chain, putative | Tb927.5.2820 | Serine/threonine-protein kinase NEK6, putative |
| Tb927.10.5430 | Flagellar C1a complex subunit C1a-32, putative | Tb927.5.2850 | radial spoke protein RSP2, putative |
| Tb927.10.5790 | hypothetical protein, conserved | Tb927.5.2950 | Component of motile flagella 3 |
| Tb927.10.5940 | NEK family Serine/threonine-protein kinase, putative | Tb927.5.295b | retrotransposon hotspot (RHS) protein 1 |
| Tb927.10.5980 | leucine-rich repeat protein (LRRP), putative | Tb927.5.3030 | Intraflagellar transport protein 121 |
| Tb927.10.6350 | trypanin | Tb927.5.4390 | hypothetical protein, conserved |
| Tb927.10.6960 | hypothetical protein, conserved | Tb927.5.440 | trans-sialidase, putative |
| Tb927.10.7120 | hypothetical protein, conserved | Tb927.5.4470 | hypothetical protein, conserved |
| Tb927.10.7230 | Flagellar Member 1 | Tb927.5.4480 | paraflagellar rod component par4, putative |
| Tb927.10.7290 | Flagellar Member 2 | Tb927.5.500 | hypothetical protein, conserved |
| Tb927.10.7350 | hypothetical protein, conserved | Tb927.5.800 | casein kinase I, isoform 2 |
| Tb927.10.7510 | chromatin binding protein, putative | Tb927.6.1660 | hypothetical protein, conserved |
| Tb927.10.7690 | Component of motile flagella 4 | Tb927.6.1720 | hypothetical protein, conserved |
| Tb927.10.7880 | Sperm tail/Sperm tail C-terminal domain containing protein, putative | Tb927.6.2220 | hypothetical protein, conserved |
| Tb927.10.8000 | hypothetical protein, conserved | Tb927.6.3150 | Hydin |
| Tb927.10.830 | adenylate kinase, putative | Tb927.6.3500 | endosomal trafficking protein RME-8, putative |
| Tb927.10.8780 | AAA domain containing protein, putative | Tb927.6.3670 | paraflagellar rod component, putative |
| Tb927.10.890 | kinesin, putative | Tb927.6.3820 | hypothetical protein, conserved |
| Tb927.10.8930 | paraflagellar rod component, putative | Tb927.6.3920 | hypothetical protein, conserved |
| Tb927.10.9080 | pteridine transporter, putative | Tb927.6.410 | hypothetical protein, conserved |
| Tb927.10.9570 | paraflagellar rod component, putative | Tb927.6.4440 | RNA-binding protein 42 (RNA-binding motif protein 42) |
| Tb927.10.9640 | hypothetical protein, conserved | Tb927.6.4520 | Tumour suppressor, Mitostatin, putative |
| Tb927.10.9650 | Nucleoporin NUP152 | Tb927.6.4610 | Ankyrin repeats (3 copies), putative |
| Tb927.11.10200 | hypothetical protein, conserved | Tb927.6.4710 | calmodulin, putative |
| Tb927.11.10380 | hypothetical protein, conserved | Tb927.6.5030 | Component of motile flagella protein 46 |
| Tb927.11.10430 | hypothetical protein, conserved | Tb927.6.620 | hypothetical protein, conserved |
| Tb927.11.10540 | hypothetical protein, conserved | Tb927.7.1310 | hypothetical protein, conserved |
| Tb927.11.10780 | Voltage-dependent anion channel, putative | Tb927.7.1430 | leucine-rich repeat protein (LRRP), putative |
| Tb927.11.1090 | calpain-like protein, putative | Tb927.7.1830 | hypothetical protein, conserved |
| Tb927.11.10900 | Component of motile flagella 9 | Tb927.7.2120 | hypothetical protein, conserved |
| Tb927.11.11010 | hypothetical protein, conserved | Tb927.7.2320 | cyclic nucleotide-binding domain containing protein, putative |
| Tb927.11.11220 | dynein heavy chain, putative | Tb927.7.2790 | Component of motile flagella 10 |
| Tb927.11.11280 | hypothetical protein, conserved | Tb927.7.3370 | Intraflagellar transport protein 74, putative |
| Tb927.11.1150 | radial spoke protein 3 | Tb927.7.3560 | Component of motile flagella 7 |
| Tb927.11.12540 | leucine-rich repeat protein (LRRP), putative | Tb927.7.3740 | SUMO-interacting motif-containing protein |
| Tb927.11.12560 | hypothetical protein | Tb927.7.4020 | protein phosphatase 2C, putative |
| Tb927.11.12840 | Domain of unknown function (DUF4486), putative | Tb927.7.4100 | Domain of unknown function (DUF4201), putative |
| Tb927.11.12860 | cAMP response protein, putative | Tb927.7.4110 | kinesin, putative |
| Tb927.11.12860 | cAMP response protein, putative | Tb927.7.4390 | threonine synthase, putative |
| Tb927.11.13020 | calmodulin | Tb927.7.4510 | Domain of unknown function (DUF4201), putative |

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| Tb927.11.13030 | calmodulin | Tb927.7.4740 | hypothetical protein, conserved |
| Tb927.11.13040 | calmodulin | Tb927.7.4840 | hypothetical protein, conserved |
| Tb927.11.13050 | calmodulin | Tb927.7.5340 | cAMP response protein 3 |
| Tb927.11.1340 | Flagella connector protein 1 | Tb927.7.5660 | Outer dynein arm docking complex protein 2, putative |
| Tb927.11.13460 | hypothetical protein, conserved | Tb927.7.5940 | Protein Associated with Differentiation |
| Tb927.11.13670 | hypothetical protein, conserved | Tb927.7.6280 | Domain of unknown function (DUF3508), putative |
| Tb927.11.13900 | Centrin-5 | Tb927.7.6290 | kinesin, putative |
| Tb927.11.1420 | hypothetical protein, conserved | Tb927.7.6340 | hypothetical protein, conserved |
| Tb927.11.14210 | conserved protein | Tb927.7.6640 | hypothetical protein, conserved |
| Tb927.11.14240 | WD domain, G-beta repeat, putative | Tb927.7.6910 | Phosphatidylinositol 4-phosphate 5-kinase, putative |
| Tb927.11.1430 | Component of motile flagella 2 | Tb927.7.6950 | hypothetical protein, conserved |
| Tb927.11.14440 | Pentatricopeptide repeat protein (PPR), putative | Tb927.7.6970 | paraflagellar rod protein, putative |
| Tb927.11.14450 | hypothetical protein, conserved | Tb927.7.7200 | hypothetical protein, conserved |
| Tb927.11.14880 | Paraflagellar Rod Proteome Component 9, putative | Tb927.7.7240 | leucine-rich repeat protein (LRRP), putative |
| Tb927.11.14970 | hypothetical protein, conserved | Tb927.7.7250 | Ankyrin repeats (3 copies), putative |
| Tb927.11.15100 | Tb5.20 | Tb927.7.750 | hypothetical protein, conserved |
| Tb927.11.15120 | hypothetical protein, conserved | Tb927.7.920 | Inner arm dynein 5-1 |
| Tb927.11.15190 | Domain of unknown function (DUF4200), putative | Tb927.8.1050 | SUMO-interacting motif-containing protein |
| Tb927.11.15220 | hypothetical protein, conserved | Tb927.8.1540 | hypothetical protein, conserved |
| Tb927.11.15370 | Importin subunit beta-4, putative | Tb927.8.1550 | paraflagellar rod component, putative |
| Tb927.11.15730 | cyclic nucleotide-binding domain containing protein, putative | Tb927.8.1560 | hypothetical protein, conserved |
| Tb927.11.16090 | Outer dynein arm docking complex protein 2, putative | Tb927.8.1950 | hypothetical protein, conserved |
| Tb927.11.16830 | Rab-like 5, small G protein | Tb927.8.2130 | cyclic nucleotide-binding domain containing protein, putative |
| Tb927.11.16880 | leucine-rich repeat protein (LRRP), putative | Tb927.8.2160 | p-glycoprotein |
| Tb927.11.16890 | Tetratricopeptide-like helical domain containing protein | Tb927.8.2390 | hypothetical protein, conserved |
| Tb927.11.16900 | hypothetical protein | Tb927.8.2620 | SUMO-interacting motif-containing protein |
| Tb927.11.1740 | intraflagellar transport protein 88 | Tb927.8.2640 | ubiquitin-activating enzyme E1, putative |
| Tb927.11.2140 | cyclic nucleotide-binding domain containing protein, putative | Tb927.8.3250 | dynein heavy chain, putative |
| Tb927.11.2270 | inner dynein arm I1 intermediate chain, axonemal | Tb927.8.4050 | FLA1-binding protein |
| Tb927.11.2430 | Cytoplasmic dynein 2 heavy chain (DYNC2H2), putative | Tb927.8.4400 | Outer dynein arm docking complex protein 1, putative |
| Tb927.11.2540 | hypothetical protein, conserved | Tb927.8.4460 | Domain of Unknown Function (DUF1042), putative |
| Tb927.11.260 | Putative intraflagellar transport protein F6 | Tb927.8.4580 | Basal body protein |
| Tb927.11.2770 | hypothetical protein, conserved | Tb927.8.4780 | Flagellar Member 3 |
| Tb927.11.2790 | Solute carrier (proton/amino acid symporter), TRAMD3 or PAT1, putative | Tb927.8.4870 | Component of motile flagella 6 |
| Tb927.11.2830 | hypothetical protein, conserved | Tb927.8.4970 | Paraflagellar rod protein 2-1 |
| Tb927.11.3250 | dynein heavy chain, putative | Tb927.8.4980 | Paraflagellar rod protein 2-2 |
| Tb927.11.3360 | Component of motile flagella 22 | Tb927.8.4990 | Paraflagellar rod protein 2-3 |
| Tb927.11.3500 | Dpy-30 motif containing protein, putative | Tb927.8.5000 | Paraflagellar rod protein 2-4 |
| Tb927.11.3710 | hypothetical protein, conserved | Tb927.8.5010 | Paraflagellar rod protein 2-5 |
| Tb927.11.3920 | hypothetical protein, conserved | Tb927.8.5300 | hypothetical protein, conserved |
| Tb927.11.4000 | hypothetical protein, conserved | Tb927.8.5460 | Flagellar calcium-binding 44 kDa protein |
| Tb927.11.4420 | hypothetical protein, conserved | Tb927.8.610 | hypothetical protein, conserved |
| Tb927.11.4480 | Flagellar radial spoke protein 4/6 | Tb927.8.6260 | hypothetical protein, conserved |
| Tb927.11.450 | hypothetical protein, conserved | Tb927.8.6270 | hypothetical protein, conserved |

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| Tb927.11.4550 | Domain of unknown function (DUF4200), putative | Tb927.8.640 | Dpy-30 motif containing protein, putative |
| Tb927.11.4610 | protein kinase A regulatory subunit | Tb927.8.6660 | paraflagellar rod component, putative |
| Tb927.11.550 | Suppressor of clathrin deficiency 6, putative | Tb927.8.7540 | hypothetical protein |
| Tb927.11.5750 | SUMO-interacting motif-containing protein | Tb927.8.7800 | hypothetical protein, conserved |
| Tb927.11.5890 | Domain of unknown function (DUF4505), putative | Tb927.8.7950 | Flagellar Member 4 |
| Tb927.11.6050 | Flagellar-associated PapD-like, putative | Tb927.8.8200 | Flagellar-associated protein 59, putative |
| Tb927.11.6070 | hypothetical protein, conserved | Tb927.8.8300 | amino acid transporter, putative |
| Tb927.11.610 | hypothetical protein, conserved | Tb927.8.940 | Flagella connector protein 1 |
| Tb927.11.6160 | eukaryotic release factor 3, putative | Tb927.9.10370 | TAX-1 |
| Tb927.11.6370 | leucine-rich repeat protein (LRRP), putative | Tb927.9.10890 | Regulatory subunit of type II PKA R-subunit, putative |
| Tb927.11.6440 | hypothetical protein, conserved | Tb927.9.11230 | calmodulin-like protein, putative |
| Tb927.11.6460 | hypothetical protein, conserved | Tb927.9.11580 | glycosomal membrane protein |
| Tb927.11.6710 | predicted tetratricopeptide repeat (TPR) protein | Tb927.9.11600 | glycosomal membrane protein |
| Tb927.11.6870 | 14-3-3 protein 2 | Tb927.9.12830 | hypothetical protein, conserved |
| Tb927.11.6920 | hypothetical protein, conserved | Tb927.9.12990 | hypothetical protein, conserved |
| Tb927.11.7240 | nexin-dynein regulatory complex 2 | Tb927.9.13070 | Heat shock factor binding 1 domain-containing protein |
| Tb927.11.7740 | dynein light chain, putative | Tb927.9.13440 | Flagellar Member 5 |
| Tb927.11.7940 | calmodulin, putative | Tb927.9.1350 | hypothetical protein, conserved |
| Tb927.11.8030 | hypothetical protein, conserved | Tb927.9.13820 | kinetoplastid membrane protein 11-3 |
| Tb927.11.8160 | dynein heavy chain, putative | Tb927.9.13860 | kinetoplastid membrane protein 11-2 |
| Tb927.11.9400 | hypothetical protein, conserved | Tb927.9.13920 | kinetoplastid membrane protein 11-1 |
| Tb927.11.9440 | Component of motile flagella 63 | Tb927.9.15050 | nexin-dynein regulatory complex 4 |
| Tb927.2.1850 | Tetratricopeptide repeat, putative | Tb927.9.1600 | hypothetical protein, conserved |
| Tb927.2.240 | retrotransposon hot spot protein 5 (RHS5), putative | Tb927.9.1750 | Fibronectin type III domain containing protein, putative |
| Tb927.2.3020 | Component of motile flagella 76 | Tb927.9.1880 | WD domain, G-beta repeat, putative |
| Tb927.2.4050 | hypothetical protein, conserved | Tb927.9.1980 | hypothetical protein, conserved |
| Tb927.2.4060 | Dynein intermediate chain 138 | Tb927.9.2940 | hypothetical protein, conserved |
| Tb927.2.4330 | paraflagellar rod protein 5, putative | Tb927.9.5040 | cAMP-specific phosphodiesterase |
| Tb927.2.4520 | hypothetical protein, conserved | Tb927.9.5100 | cAMP-specific phosphodiesterase |
| Tb927.2.4810 | Component of motile flagella 5 | Tb927.9.5410 | hypothetical protein, conserved |
| Tb927.2.5270 | dynein heavy chain, putative | Tb927.9.6130 | calmodulin, putative |
| Tb927.2.5760 | Flagellar Member 8 | Tb927.9.6290 | arginine kinase |
| Tb927.3.1040 | hypothetical protein, conserved | Tb927.9.7180 | adenosine monophosphate deaminase, putative |
| Tb927.3.1060 | cAMP Response Protein 4 | Tb927.9.7470 | purine nucleoside transporter |
| Tb927.3.1110 | Putative intraflagellar transport protein A1 | Tb927.9.7550 | adenylosuccinate lyase, putative |
| Tb927.3.1200 | hypothetical protein, conserved | Tb927.9.7720 | predicted tetratricopeptide repeat protein |
| | | Tb927.9.8740 | Double RNA binding domain protein 3 |
| | | Tb927.9.8760 | hypothetical protein, conserved |
| | | Tb927.9.9740 | AMP deaminase, putative |