

Table S1

| Number | Accession | Annotation | Organism | Taxonomy |
|--------|-----------|---|---|----------|
| 1 | 62738704 | Chain A, Crystal Structure Of Potato Tuber Adp-Glucose Pyrophosphorylase | <i>Solanum tuberosum</i> | dicot |
| 2 | 27819107 | ADP-glucose pyrophosphorylase small subunit | <i>Solanum tuberosum</i> | dicot |
| 3 | 77416911 | ADP-glucose pyrophosphorylase small subunit-like | <i>Solanum tuberosum</i> | dicot |
| 4 | 556351 | ADP-glucose pyrophosphorylase small subunit | <i>Solanum tuberosum</i> | dicot |
| 5 | 15238933 | glucose-1-phosphate adenyltransferase small subunit | <i>Arabidopsis thaliana</i> | dicot |
| 6 | 297791999 | hypothetical protein ARALYDRAFT_494882 agps | <i>Arabidopsis lyrata</i> subsp. <i>lyrata</i> | dicot |
| 7 | 357495273 | Glucose-1-phosphate adenyltransferase | <i>Medicago truncatula</i> | dicot |
| 8 | 357462397 | Glucose-1-phosphate adenyltransferase | <i>Medicago truncatula</i> | dicot |
| 9 | 356552274 | PREDICTED: glucose-1-phosphate adenyltransferase small subunit, isoform 1 | <i>Glycine max</i> | dicot |
| 10 | 356501687 | PREDICTED: glucose-1-phosphate adenyltransferase small subunit, isoform 2 | <i>Glycine max</i> | dicot |
| 11 | 224131934 | predicted protein | <i>Populus trichocarpa</i> | dicot |
| 12 | 255567204 | glucose-1-phosphate adenyltransferase, putative | <i>Ricinus communis</i> | dicot |
| 13 | 225447450 | PREDICTED: hypothetical protein | <i>Vitis vinifera</i> | dicot |
| 14 | 13487709 | ADP-glucose pyrophosphorylase small subunit | <i>Brassica rapa</i> subsp. <i>pekinensis</i> | dicot |
| 15 | 556622 | ADP-glucose pyrophosphorylase | <i>Beta vulgaris</i> subsp. <i>vulgaris</i> | dicot |
| 16 | 1237080 | ADP-glucose pyrophosphorylase | <i>Pisum sativum</i> | dicot |
| 17 | 1237082 | ADP-glucose pyrophosphorylase | <i>Pisum sativum</i> | dicot |
| 18 | 13487787 | ADP-glucose pyrophosphorylase small subunit CagpS1 | <i>Cicer arietinum</i> | dicot |
| 19 | 16950559 | ADP-glucose pyrophosphorylase small subunit CagpS2 | <i>Cicer arietinum</i> | dicot |
| 20 | 2642636 | ADP-glucose pyrophosphorylase small subunit | <i>Citrullus lanatus</i> subsp. <i>vulgaris</i> | dicot |
| 21 | 2625084 | ADP-glucose pyrophosphorylase small subunit | <i>Cucumis melo</i> | dicot |
| 22 | 5917789 | ADP-glucose pyrophosphorylase small subunit | <i>Citrus unshiu</i> | dicot |
| 23 | 111660950 | ADP-glucose pyrophosphorylase small subunit | <i>Citrus sinensis</i> | dicot |
| 24 | 41350641 | ADP-glucose pyrophosphorylase small subunit | <i>Fragaria x ananassa</i> | dicot |

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| 25 | 45505207 | ADP-glucose pyrophosphorylase small subunit | <i>Ipomoea batatas</i> | dicot |
| 26 | 45505205 | ADP-glucose pyrophosphorylase small subunit | <i>Ipomoea batatas</i> | dicot |
| 27 | 7671232 | ADP-glucose pyrophosphorylase | <i>Perilla frutescens</i> | dicot |
| 28 | 7671230 | ADP-glucose pyrophosphorylase catalytic subunit | <i>Perilla frutescens</i> | dicot |
| 29 | 29421116 | ADP-glucose pyrophosphorylase small subunit PvAGPS1 | <i>Phaseolus vulgaris</i> | dicot |
| 30 | 440595 | ADP-glucose pyrophosphorylase | <i>Vicia faba</i> var. minor | dicot |
| 31 | 440593 | ADP-glucose pyrophosphorylase | <i>Vicia faba</i> var. minor | dicot |
| 32 | 162462257 | ADP-glucose pyrophosphorylase small subunit | <i>Zea mays</i> | monocot |
| 33 | 162461970 | LOC541902 | <i>Zea mays</i> | monocot |
| 34 | 73747074 | ADP-glucose pyrophosphorylase small subunit | <i>Zea mays</i> | monocot |
| 35 | 23664353 | Brittle 2 | <i>Zea mays</i> subsp. <i>mays</i> | monocot |
| 36 | 14582768 | ADP-glucose pyrophosphorylase small subunit | <i>Zea mays</i> | monocot |
| 37 | 115476014 | Os08g0345800 | <i>Oryza sativa</i> Japonica Group | monocot |
| 38 | 115478426 | Os09g0298200 | <i>Oryza sativa</i> Japonica Group | monocot |
| 39 | 125987830 | GLGS_ORYSJ | <i>Oryza sativa</i> Japonica Group | monocot |
| 40 | 357157910 | PREDICTED: glucose-1-phosphate adenylyltransferase small subunit | <i>Brachypodium distachyon</i> | monocot |
| 41 | 357145854 | PREDICTED: glucose-1-phosphate adenylyltransferase small subunit, isoform 2 | <i>Brachypodium distachyon</i> | monocot |
| 42 | 357145851 | PREDICTED: glucose-1-phosphate adenylyltransferase small subunit, isoform 1 | <i>Brachypodium distachyon</i> | monocot |
| 43 | 242048788 | hypothetical protein SORBIDRAFT_02g020410 | <i>Sorghum bicolor</i> | monocot |
| 44 | 27464770 | ADP-glucose pyrophosphorylase small subunit | <i>Hordeum vulgare</i> subsp. <i>vulgare</i> | monocot |
| 45 | 51556842 | ADP-glucose pyrophosphorylase small subunit a | <i>Hordeum vulgare</i> | monocot |
| 46 | 1707940 | GLGS_HORVU | <i>Hordeum vulgare</i> | monocot |
| 47 | 52430025 | ADP-glucose pyrophosphorylase small subunit | <i>Triticum aestivum</i> | monocot |
| 48 | 21687 | ADP-glucose pyrophosphorylase | <i>Triticum aestivum</i> | monocot |
| 49 | 232166 | GLGL1_SOLTU | <i>Solanum tuberosum</i> | dicot |
| 50 | 1707929 | GLGL2_SOLTU | <i>Solanum tuberosum</i> | dicot |
| 51 | 1707932 | GLGL3_SOLTU | <i>Solanum tuberosum</i> | dicot |

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| 52 | 14916987 | GLGL1_ARATH | <i>Arabidopsis thaliana</i> | dicot |
| 53 | 12644324 | GLGL2_ARATH | <i>Arabidopsis thaliana</i> | dicot |
| 54 | 17433716 | GLGL3_ARATH | <i>Arabidopsis thaliana</i> | dicot |
| 55 | 11386853 | GLGL4_ARATH | <i>Arabidopsis thaliana</i> | dicot |
| 56 | 1947084 | ADP-glucose pyrophosphorylase large subunit agpl1 | <i>Solanum lycopersicum</i> | dicot |
| 57 | 1840114 | ADP-glucose pyrophosphorylase large subunit agpl2 | <i>Solanum lycopersicum</i> | dicot |
| 58 | 1840116 | ADP-glucose pyrophosphorylase large subunit agpl3 | <i>Solanum lycopersicum</i> | dicot |
| 59 | 1778434 | ADP-glucose pyrophosphorylase large subunit agp-s1 | <i>Solanum lycopersicum</i> | dicot |
| 60 | 1778436 | ADP-glucose pyrophosphorylase large subunit agp-s2 | <i>Solanum lycopersicum</i> | dicot |
| 61 | 297812109 | hypothetical protein ARALYDRAFT_488807 agpl1 | <i>Arabidopsis lyrata</i> subsp. <i>lyrata</i> | dicot |
| 62 | 297845724 | hypothetical protein ARALYDRAFT_472972 agpl2 | <i>Arabidopsis lyrata</i> subsp. <i>lyrata</i> | dicot |
| 63 | 297797902 | hypothetical protein ARALYDRAFT_490693 agpl3 | <i>Arabidopsis lyrata</i> subsp. <i>lyrata</i> | dicot |
| 64 | 297821353 | predicted protein agpl4 | <i>Arabidopsis lyrata</i> subsp. <i>lyrata</i> | dicot |
| 65 | 357467317 | Glucose-1-phosphate adenylyltransferase large subunit | <i>Medicago truncatula</i> | dicot |
| 66 | 356571037 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 2 | <i>Glycine max</i> | dicot |
| 67 | 356563435 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 1 | <i>Glycine max</i> | dicot |
| 68 | 356562361 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit | <i>Glycine max</i> | dicot |
| 69 | 356553863 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit | <i>Glycine max</i> | dicot |
| 70 | 356545193 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 1-like | <i>Glycine max</i> | dicot |
| 71 | 356538761 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 1-like | <i>Glycine max</i> | dicot |
| 72 | 356521967 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 1 | <i>Glycine max</i> | dicot |
| 73 | 356518710 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit | <i>Glycine max</i> | dicot |
| 74 | 356517038 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 1-like | <i>Glycine max</i> | dicot |
| 75 | 356509672 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit | <i>Glycine max</i> | dicot |
| 76 | 356508352 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 1-like | <i>Glycine max</i> | dicot |
| 77 | 356503982 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 2 | <i>Glycine max</i> | dicot |
| 78 | 357511621 | Glucose-1-phosphate adenylyltransferase | <i>Medicago truncatula</i> | dicot |

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| 79 | 357480219 | Glucose-1-phosphate adenylyltransferase | <i>Medicago truncatula</i> | dicot |
| 80 | 357473317 | Glucose-1-phosphate adenylyltransferase | <i>Medicago truncatula</i> | dicot |
| 81 | 224128113 | predicted protein | <i>Populus trichocarpa</i> | dicot |
| 82 | 224103389 | predicted protein | <i>Populus trichocarpa</i> | dicot |
| 83 | 224117842 | predicted protein | <i>Populus trichocarpa</i> | dicot |
| 84 | 224100249 | predicted protein | <i>Populus trichocarpa</i> | dicot |
| 85 | 224095317 | predicted protein | <i>Populus trichocarpa</i> | dicot |
| 86 | 255585297 | glucose-1-phosphate adenylyltransferase, putative | <i>Ricinus communis</i> | dicot |
| 87 | 255552303 | glucose-1-phosphate adenylyltransferase, putative | <i>Ricinus communis</i> | dicot |
| 88 | 255548169 | glucose-1-phosphate adenylyltransferase, putative | <i>Ricinus communis</i> | dicot |
| 89 | 255543725 | glucose-1-phosphate adenylyltransferase, putative | <i>Ricinus communis</i> | dicot |
| 90 | 255538708 | glucose-1-phosphate adenylyltransferase, putative | <i>Ricinus communis</i> | dicot |
| 91 | 225458219 | PREDICTED: hypothetical protein | <i>Vitis vinifera</i> | dicot |
| 92 | 225437808 | PREDICTED: hypothetical protein | <i>Vitis vinifera</i> | dicot |
| 93 | 225434249 | PREDICTED: hypothetical protein | <i>Vitis vinifera</i> | dicot |
| 94 | 225432564 | PREDICTED: hypothetical protein | <i>Vitis vinifera</i> | dicot |
| 95 | 225428422 | PREDICTED: hypothetical protein | <i>Vitis vinifera</i> | dicot |
| 96 | 224085694 | predicted protein | <i>Populus trichocarpa</i> | dicot |
| 97 | 224080375 | predicted protein | <i>Populus trichocarpa</i> | dicot |
| 98 | 224062107 | predicted protein | <i>Populus trichocarpa</i> | dicot |
| 99 | 162460455 | plastid ADP-glucose pyrophosphorylase large subunit | <i>Zea mays</i> | monocot |
| 100 | 189027076 | glucose-1-phosphate adenylyltransferase large subunit 1 | <i>Zea mays</i> | monocot |
| 101 | 162458350 | glucose-1-phosphate adenylyltransferase large subunit 2 | <i>Zea mays</i> | monocot |
| 102 | 162463875 | putative glucose-1-phosphate adenylyltransferase large subunit 3 precursor | <i>Zea mays</i> | monocot |
| 103 | 357132398 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit | <i>Brachypodium distachyon</i> | monocot |
| 104 | 357119087 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 2 | <i>Brachypodium distachyon</i> | monocot |
| 105 | 357116651 | PREDICTED: glucose-1-phosphate adenylyltransferase large subunit 1 | <i>Brachypodium distachyon</i> | monocot |

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|-----|-----------|---|--|---------------|
| 106 | 115455167 | Os03g0735000 | <i>Oryza sativa</i> Japonica Group | monocot |
| 107 | 297604962 | Os05g0580000 | <i>Oryza sativa</i> Japonica Group | monocot |
| 108 | 115471355 | Os07g0243200 | <i>Oryza sativa</i> Japonica Group | monocot |
| 109 | 115438749 | Os01g0633100 | <i>Oryza sativa</i> Japonica Group | monocot |
| 110 | 242088961 | hypothetical protein SORBIDRAFT_09g029610 | <i>Sorghum bicolor</i> | monocot |
| 111 | 242053733 | hypothetical protein SORBIDRAFT_03g028850 | <i>Sorghum bicolor</i> | monocot |
| 112 | 242033053 | hypothetical protein SORBIDRAFT_01g008940 | <i>Sorghum bicolor</i> | monocot |
| 113 | 1279513 | glucose-1-phosphate adenyltransferase | <i>Hordeum vulgare</i> subsp. vulgare | monocot |
| 114 | 2105137 | ADP-glucose pyrophosphorylase large subunit | <i>Hordeum vulgare</i> subsp. vulgare | monocot |
| 115 | 445623 | ADP glucose pyrophosphorylase : SUBUNIT=L | <i>Hordeum vulgare</i> | monocot |
| 116 | 22347636 | ADP-glucose pyrophosphorylase large subunit | <i>Oncidium Goldiana</i> | monocot |
| 117 | 32812836 | ADP-glucose pyrophosphorylase large subunit | <i>Triticum aestivum</i> | monocot |
| 118 | 89277026 | plastid ADP-glucose pyrophosphorylase large subunit | <i>Triticum aestivum</i> | monocot |
| 119 | 1707930 | GLGL2_WHEAT | <i>Triticum aestivum</i> | monocot |
| 120 | 121293 | GLGL3_WHEAT | <i>Triticum aestivum</i> | monocot |
| 121 | 87124328 | ADP-glucose pyrophosphorylase | <i>Synechococcus</i> sp. RS9917 | cyanobacteria |
| 122 | 284051940 | glucose-1-phosphate adenyltransferase | <i>Arthrospira platensis</i> str. Paraca | cyanobacteria |
| 123 | 119509469 | glucose-1-phosphate adenyltransferase | <i>Nodularia spumigena</i> CCY9414 | cyanobacteria |
| 124 | 126660345 | glucose-1-phosphate adenyltransferase | <i>Cyanothece</i> sp. CCY0110 | cyanobacteria |
| 125 | 126658160 | glucose-1-phosphate adenyltransferase | <i>Cyanothece</i> sp. CCY0110 | cyanobacteria |
| 126 | 318041355 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. CB0101 | cyanobacteria |
| 127 | 317969822 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. CB0205 | cyanobacteria |
| 128 | 87302823 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. WH 5701 | cyanobacteria |
| 129 | 119490200 | glucose-1-phosphate adenyltransferase | <i>Lyngbya</i> sp. PCC 8106 | cyanobacteria |
| 130 | 116074714 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. RS9916 | cyanobacteria |
| 131 | 116070673 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. BL107 | cyanobacteria |
| 132 | 88808518 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. WH 7805 | cyanobacteria |

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| 133 | 37523829 | glucose-1-phosphate adenylyltransferase | <i>Gloeobacter violaceus</i> PCC 7421 | cyanobacteria |
| 134 | 33861326 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. CCMP1986 | cyanobacteria |
| 135 | 33240292 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. CCMP1375 | cyanobacteria |
| 136 | 22298830 | glucose-1-phosphate adenylyltransferase | <i>Thermosynechococcus elongatus</i> BP-1 | cyanobacteria |
| 137 | 218248785 | glucose-1-phosphate adenylyltransferase | <i>Cyanothece</i> sp. PCC 8801 | cyanobacteria |
| 138 | 186686123 | glucose-1-phosphate adenylyltransferase | <i>Nostoc punctiforme</i> PCC 73102 | cyanobacteria |
| 139 | 124023387 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. MIT 9303 | cyanobacteria |
| 140 | 86608545 | glucose-1-phosphate adenylyltransferase | <i>Synechococcus</i> sp. JA-2-3B'a(2-13) | cyanobacteria |
| 141 | 86606226 | glucose-1-phosphate adenylyltransferase | <i>Synechococcus</i> sp. JA-3-3Ab | cyanobacteria |
| 142 | 33862839 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. MIT 9313 | cyanobacteria |
| 143 | 33865652 | glucose-1-phosphate adenylyltransferase | <i>Synechococcus</i> sp. WH 8102 | cyanobacteria |
| 144 | 17232137 | glucose-1-phosphate adenylyltransferase | <i>Nostoc</i> sp. PCC 7120 | cyanobacteria |
| 145 | 159903534 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. MIT 9211 | cyanobacteria |
| 146 | 126696167 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. MIT 9301 | cyanobacteria |
| 147 | 124025514 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. NATL1A | cyanobacteria |
| 148 | 123968364 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. AS9601 | cyanobacteria |
| 149 | 123966049 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. MIT 9515 | cyanobacteria |
| 150 | 113954397 | glucose-1-phosphate adenylyltransferase | <i>Synechococcus</i> sp. CC9311 | cyanobacteria |
| 151 | 218437477 | glucose-1-phosphate adenylyltransferase | <i>Cyanothece</i> sp. PCC 7424 | cyanobacteria |
| 152 | 78779161 | glucose-1-phosphate adenylyltransferase | <i>Prochlorococcus marinus</i> str. MIT 9312 | cyanobacteria |
| 153 | 16332282 | glucose-1-phosphate adenylyltransferase | <i>Synechocystis</i> sp. PCC 6803 | cyanobacteria |
| 154 | 257061844 | glucose-1-phosphate adenylyltransferase | <i>Cyanothece</i> sp. PCC 8802 | cyanobacteria |
| 155 | 56750930 | glucose-1-phosphate adenylyltransferase | <i>Synechococcus elongatus</i> PCC 6301 | cyanobacteria |
| 156 | 220910118 | glucose-1-phosphate adenylyltransferase | <i>Cyanothece</i> sp. PCC 7425 | cyanobacteria |
| 157 | 81299414 | glucose-1-phosphate adenylyltransferase | <i>Synechococcus elongatus</i> PCC 7942 | cyanobacteria |
| 158 | 78212786 | glucose-1-phosphate adenylyltransferase | <i>Synechococcus</i> sp. CC9605 | cyanobacteria |
| 159 | 78184800 | glucose-1-phosphate adenylyltransferase | <i>Synechococcus</i> sp. CC9902 | cyanobacteria |

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|-----|-----------|---------------------------------------|--|---------------|
| 160 | 158335435 | glucose-1-phosphate adenyltransferase | <i>Acaryochloris marina</i> MBIC11017 | cyanobacteria |
| 161 | 158335089 | glucose-1-phosphate adenyltransferase | <i>Acaryochloris marina</i> MBIC11017 | cyanobacteria |
| 162 | 113477795 | glucose-1-phosphate adenyltransferase | <i>Trichodesmium erythraeum</i> IMS101 | cyanobacteria |
| 163 | 75908241 | glucose-1-phosphate adenyltransferase | <i>Anabaena variabilis</i> ATCC 29413 | cyanobacteria |
| 164 | 172037571 | glucose-1-phosphate adenyltransferase | <i>Cyanothece</i> sp. ATCC 51142 | cyanobacteria |
| 165 | 172035903 | glucose-1-phosphate adenyltransferase | <i>Cyanothece</i> sp. ATCC 51142 | cyanobacteria |
| 166 | 170076729 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. PCC 7002 | cyanobacteria |
| 167 | 157413198 | glucose-1-phosphate adenyltransferase | <i>Prochlorococcus marinus</i> str. MIT 9215 | cyanobacteria |
| 168 | 72382015 | glucose-1-phosphate adenyltransferase | <i>Prochlorococcus marinus</i> str. NATL2A | cyanobacteria |
| 169 | 148242352 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. RCC307 | cyanobacteria |
| 170 | 148239634 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. WH 7803 | cyanobacteria |
| 171 | 166365546 | glucose-1-phosphate adenyltransferase | <i>Microcystis aeruginosa</i> NIES-843 | cyanobacteria |
| 172 | 254526910 | glucose-1-phosphate adenyltransferase | <i>Prochlorococcus marinus</i> str. MIT 9202 | cyanobacteria |
| 173 | 254432095 | glucose-1-phosphate adenyltransferase | <i>Cyanobium</i> sp. PCC 7001 | cyanobacteria |
| 174 | 307151922 | glucose-1-phosphate adenyltransferase | <i>Cyanothece</i> sp. PCC 7822 | cyanobacteria |
| 175 | 298492804 | glucose-1-phosphate adenyltransferase | <i>Nostoc azollae</i> 0708 | cyanobacteria |
| 176 | 332709240 | glucose-1-phosphate adenyltransferase | <i>Lyngbya majuscula</i> 3L | cyanobacteria |
| 177 | 354565610 | glucose-1-phosphate adenyltransferase | <i>Fischerella</i> sp. JSC-11 | cyanobacteria |
| 178 | 354556049 | glucose-1-phosphate adenyltransferase | <i>Cyanothece</i> sp. ATCC 51472 | cyanobacteria |
| 179 | 354553549 | glucose-1-phosphate adenyltransferase | <i>Cyanothece</i> sp. ATCC 51472 | cyanobacteria |
| 180 | 352094384 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. WH 8016 | cyanobacteria |
| 181 | 284929352 | glucose-1-phosphate adenyltransferase | cyanobacterium UCYN-A | cyanobacteria |
| 182 | 334120832 | glucose-1-phosphate adenyltransferase | <i>Microcoleus vaginatus</i> FGP-2 | cyanobacteria |
| 183 | 300865383 | glucose-1-phosphate adenyltransferase | <i>Oscillatoria</i> sp. PCC 6506 | cyanobacteria |
| 184 | 282899378 | glucose-1-phosphate adenyltransferase | <i>Cylindrospermopsis raciborskii</i> CS-505 | cyanobacteria |
| 185 | 282895605 | glucose-1-phosphate adenyltransferase | <i>Raphidiopsis brookii</i> D9 | cyanobacteria |
| 186 | 209527099 | glucose-1-phosphate adenyltransferase | <i>Arthrospira maxima</i> CS-328 | cyanobacteria |

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|-----|-----------|---|---|---------------|
| 187 | 67924676 | glucose-1-phosphate adenyltransferase | <i>Crocospaera watsonii</i> WH 8501 | cyanobacteria |
| 188 | 260436638 | glucose-1-phosphate adenyltransferase | <i>Synechococcus</i> sp. WH 8109 | cyanobacteria |
| 189 | 303273364 | adp-glucose pyrophosphorylase | <i>Micromonas pusilla</i> CCMP1545 | green alga |
| 190 | 303271247 | adp-glucose pyrophosphorylase | <i>Micromonas pusilla</i> CCMP1545 | green alga |
| 191 | 255070935 | adp-glucose pyrophosphorylase | <i>Micromonas</i> sp. RCC299 | green alga |
| 192 | 255080070 | adp-glucose pyrophosphorylase | <i>Micromonas</i> sp. RCC299 | green alga |
| 193 | 159470605 | ADP-glucose pyrophosphorylase large subunit | <i>Chlamydomonas reinhardtii</i> | green alga |
| 194 | 159467349 | ADP-glucose pyrophosphorylase small subunit | <i>Chlamydomonas reinhardtii</i> | green alga |
| 195 | 308814250 | AGPLU2 (ISS) | <i>Ostreococcus tauri</i> | green alga |
| 196 | 308806175 | AGPSU1 (ISS) | <i>Ostreococcus tauri</i> | green alga |
| 197 | 302849075 | hypothetical protein VOLCADRAFT_76956 | <i>Volvox carteri</i> f. nagariensis | green alga |
| 198 | 302840808 | hypothetical protein VOLCADRAFT_75183 | <i>Volvox carteri</i> f. nagariensis | green alga |
| 199 | 145356323 | predicted protein | <i>Ostreococcus lucimarinus</i> CCE9901 | green alga |
| 200 | 145349062 | predicted protein | <i>Ostreococcus lucimarinus</i> CCE9901 | green alga |
| 201 | 302825850 | hypothetical protein SELMODRAFT_138695 | <i>Selaginella moellendorffii</i> | moss |
| 202 | 302815217 | hypothetical protein SELMODRAFT_129625 | <i>Selaginella moellendorffii</i> | moss |
| 203 | 302802313 | hypothetical protein SELMODRAFT_117069 | <i>Selaginella moellendorffii</i> | moss |
| 204 | 302800351 | hypothetical protein SELMODRAFT_115472 | <i>Selaginella moellendorffii</i> | moss |
| 205 | 302798196 | hypothetical protein SELMODRAFT_233627 | <i>Selaginella moellendorffii</i> | moss |
| 206 | 302788037 | hypothetical protein SELMODRAFT_267891 | <i>Selaginella moellendorffii</i> | moss |
| 207 | 302783933 | hypothetical protein SELMODRAFT_149205 | <i>Selaginella moellendorffii</i> | moss |
| 208 | 302773934 | hypothetical protein SELMODRAFT_231637 | <i>Selaginella moellendorffii</i> | moss |
| 209 | 302769466 | hypothetical protein SELMODRAFT_169778 | <i>Selaginella moellendorffii</i> | moss |
