

GenBank accession numbers for each gene/region by organelle

**Plastid (cpDNA) Page 1 of 5:**

| Species                                         | atpA     | atpB     | atpE     | atpF     | atpH     | atpI     | ccsA     | cemA     | clpP     | infA     | matK     | ndhA     | ndhB     | ndhC     | ndhD     |
|-------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <i>Androsace occidentalis</i>                   | KT176193 | KT176233 | KT176273 | KT176313 | KT176353 | KT176393 | KT176433 | KT176473 | KT176513 | --       | KT176584 | KT176624 | KT176664 | KT176704 | KT176744 |
| <i>Asclepias verticillata</i>                   | KT176194 | KT176234 | KT176274 | KT176314 | KT176354 | KT176394 | KT176434 | KT176474 | KT176514 | KT176553 | KT176585 | KT176625 | KT176665 | KT176705 | KT176745 |
| <i>Carduus nutans</i>                           | KT176195 | KT176235 | KT176275 | KT176315 | KT176355 | KT176395 | KT176435 | KT176475 | KT176522 | KT176554 | KT176586 | KT176627 | KT176666 | KT176706 | KT176746 |
| <i>Vernonia baldwinii</i>                       | KT176196 | KT176241 | KT176276 | KT176316 | KT176356 | KT176396 | KT176436 | KT176476 | KT176530 | KT176562 | KT176587 | KT176628 | KT176667 | KT176707 | KT176747 |
| <i>Helianthus pauciflorus</i>                   | KT176197 | KT176236 | KT176277 | KT176317 | KT176357 | KT176397 | KT176437 | KT176477 | KT176525 | KT176557 | KT176588 | KT176629 | KT176668 | KT176708 | KT176748 |
| <i>Helianthus tuberosa</i>                      | KT176198 | KT176237 | KT176278 | KT176318 | KT176358 | KT176398 | KT176438 | KT176478 | KT176526 | KT176558 | KT176589 | KT176630 | KT176669 | KT176709 | KT176749 |
| <i>Heliopsis helianthoides var occidentalis</i> | KT176201 | KT176240 | KT176279 | KT176319 | KT176359 | KT176399 | KT176439 | KT176479 | KT176527 | KT176561 | KT176590 | KT176631 | KT176670 | KT176710 | KT176750 |
| <i>Rudbeckia hirta var pulcherrima</i>          | KT176200 | KT176238 | KT176280 | KT176320 | KT176360 | KT176400 | KT176440 | KT176480 | KT176529 | KT176560 | KT176591 | KT176633 | KT176671 | KT176711 | KT176751 |
| <i>Silphium integrifolium</i>                   | KT176199 | KT176239 | KT176281 | KT176321 | KT176361 | KT176401 | KT176441 | KT176481 | KT176528 | KT176559 | KT176592 | KT176632 | KT176672 | KT176712 | KT176752 |
| <i>Grindelia squarrosa</i>                      | KT176202 | KT176242 | KT176282 | KT176322 | KT176362 | KT176402 | KT176442 | KT176482 | KT176523 | KT176555 | KT176593 | KT176634 | KT176673 | KT176713 | KT176753 |
| <i>Solidago missouriensis</i>                   | KT176203 | KT176243 | KT176283 | KT176323 | KT176363 | KT176403 | KT176443 | KT176483 | KT176524 | KT176556 | KT176594 | KT176635 | KT176674 | KT176714 | KT176754 |
| <i>Symphoricarpos occidentalis</i>              | KT176226 | KT176247 | KT176284 | KT176324 | KT176364 | KT176404 | KT176444 | KT176484 | KT176549 | KT176583 | KT176595 | KT176639 | KT176675 | KT176715 | KT176755 |
| <i>Cicuta maculata</i>                          | KT176204 | KT176244 | KT176285 | KT176325 | KT176365 | KT176405 | KT176445 | KT176485 | KT176532 | KT176571 | KT176596 | KT176636 | KT176676 | KT176716 | KT176756 |
| <i>Conium maculatum</i>                         | KT176205 | KT176245 | KT176286 | KT176326 | KT176366 | KT176406 | KT176446 | KT176486 | KT176533 | KT176572 | KT176597 | KT176637 | KT176677 | KT176717 | KT176757 |
| <i>Zizia aurea</i>                              | KT176206 | KT176246 | KT176287 | KT176327 | KT176367 | KT176407 | KT176447 | KT176487 | KT176534 | KT176573 | KT176598 | KT176638 | KT176678 | KT176718 | KT176758 |
| <i>Ellisia nyctelea</i>                         | KT176207 | KT176248 | KT176288 | KT176328 | KT176368 | KT176408 | KT176448 | KT176488 | KT176514 | KT176574 | KT176599 | KT176640 | KT176679 | KT176719 | KT176759 |
| <i>Physalis heterophylla</i>                    | KT176208 | KT176258 | KT176289 | KT176329 | KT176369 | KT176409 | KT176449 | KT176489 | KT176539 | KT176577 | KT176600 | KT176651 | KT176680 | KT176720 | KT176760 |
| <i>Physalis virginiana</i>                      | KT176209 | KT176259 | KT176290 | KT176330 | KT176370 | KT176410 | KT176450 | KT176490 | KT176540 | KT176578 | KT176601 | KT176652 | KT176681 | KT176721 | KT176761 |
| <i>Solanum carolinense</i>                      | KT176210 | KT176260 | KT176291 | KT176331 | KT176371 | KT176411 | KT176451 | KT176491 | KT176542 | KT176579 | KT176602 | KT176653 | KT176682 | KT176722 | KT176762 |
| <i>Solanum rostratum</i>                        | KT176211 | KT176261 | KT176292 | KT176332 | KT176372 | KT176412 | KT176452 | KT176492 | KT176543 | KT176580 | KT176603 | KT176654 | KT176683 | KT176723 | KT176763 |
| <i>Solanum triflorum</i>                        | KT176212 | KT176262 | KT176293 | KT176333 | KT176373 | KT176413 | KT176453 | KT176493 | KT176541 | KT176581 | KT176604 | KT176655 | KT176684 | KT176724 | KT176764 |
| <i>Monarda fistulosa var mollis</i>             | KT176213 | KT176249 | KT176294 | KT176334 | KT176374 | KT176414 | KT176454 | KT176494 | KT176515 | KT176563 | KT176605 | KT176641 | KT176685 | KT176725 | KT176765 |
| <i>Nepeta cataria</i>                           | KT176215 | KT176250 | KT176295 | KT176335 | KT176375 | KT176415 | KT176455 | KT176495 | KT176516 | KT176564 | KT176606 | KT176642 | KT176686 | KT176726 | KT176766 |
| <i>Salvia nemorosa</i>                          | KT176214 | KT176251 | KT176296 | KT176336 | KT176376 | KT176416 | KT176456 | KT176496 | KT176517 | KT176565 | KT176607 | KT176643 | KT176687 | KT176727 | KT176767 |
| <i>Teucrium canadense</i>                       | KT176218 | KT176255 | KT176297 | KT176337 | KT176377 | KT176417 | KT176457 | KT176497 | KT176537 | KT176568 | KT176608 | KT176647 | KT176688 | KT176728 | KT176768 |
| <i>Verbascum thapsus</i>                        | KT176219 | KT176254 | KT176298 | KT176338 | KT176378 | KT176418 | KT176458 | KT176498 | KT176519 | KT176569 | KT176609 | KT176646 | KT176689 | KT176729 | KT176769 |
| <i>Penstemon angustifolius</i>                  | KT176216 | KT176252 | KT176299 | KT176339 | KT176379 | KT176419 | KT176459 | KT176499 | KT176520 | KT176566 | KT176610 | KT176644 | KT176690 | KT176730 | KT176770 |
| <i>Penstemon gracilis</i>                       | KT176217 | KT176253 | KT176300 | KT176340 | KT176380 | KT176420 | KT176460 | KT176500 | KT176521 | KT176567 | KT176611 | KT176645 | KT176691 | KT176731 | KT176771 |
| <i>Verbena hastata</i>                          | KT176220 | KT176256 | KT176301 | KT176341 | KT176381 | KT176421 | KT176461 | KT176501 | KT176551 | KT176582 | KT176612 | KT176648 | KT176692 | KT176732 | KT176772 |
| <i>Veronica americana</i>                       | KT176221 | KT176257 | KT176302 | KT176342 | KT176382 | KT176422 | KT176462 | KT176502 | KT176518 | KT176570 | KT176613 | KT176649 | KT176693 | KT176733 | KT176773 |
| <i>Plantago patagonica</i>                      | KT176222 | KT176267 | KT176303 | KT176343 | KT176383 | KT176423 | KT176463 | KT176503 | KT176550 | KT176575 | KT176614 | KT176650 | KT176694 | KT176734 | KT176774 |
| <i>Impatiens capensis</i>                       | KT176228 | KT176266 | KT176304 | KT176344 | KT176384 | KT176424 | KT176464 | KT176504 | KT176535 | KT176576 | KT176615 | KT176656 | KT176695 | KT176735 | KT176775 |
| <i>Convolvulus arvensis</i>                     | KT176223 | KT176263 | KT176305 | KT176345 | KT176385 | KT176425 | KT176465 | KT176505 | KT176544 | --       | KT176616 | KT176660 | KT176696 | KT176736 | KT176776 |
| <i>Ipomoea leptophylla</i>                      | KT176224 | KT176264 | KT176306 | KT176346 | KT176386 | KT176426 | KT176466 | KT176506 | KT176545 | --       | KT176617 | KT176661 | KT176697 | KT176737 | KT176777 |
| <i>Evolvulus nuttallianus</i>                   | KT176225 | KT176265 | KT176307 | KT176347 | KT176387 | KT176427 | KT176467 | KT176507 | KT176548 | --       | KT176618 | KT176662 | KT176698 | KT176738 | KT176778 |
| <i>Comandra umbellata</i>                       | KT176227 | KT176268 | KT176308 | KT176348 | KT176388 | KT176428 | KT176468 | KT176508 | KT176538 | --       | KT176619 | KT176663 | KT176699 | KT176739 | KT176779 |
| <i>Galium aparine</i>                           | KT176231 | KT176272 | KT176309 | KT176349 | KT176389 | KT176429 | KT176469 | KT176509 | KT176531 | --       | KT176620 | KT176663 | KT176700 | KT176740 | KT176780 |
| <i>Silene antirrhina</i>                        | KT176229 | KT176269 | KT176310 | KT176350 | KT176390 | KT176430 | KT176470 | KT176510 | KT176546 | --       | KT176621 | KT176665 | KT176701 | KT176741 | KT176781 |
| <i>Silene vulgaris</i>                          | KT176230 | KT176270 | KT176311 | KT176351 | KT176391 | KT176431 | KT176471 | KT176511 | KT176536 | --       | KT176622 | KT176669 | KT176702 | KT176742 | KT176782 |
| <i>Campanula rotundifolia</i>                   | KT176232 | KT176271 | KT176312 | KT176352 | KT176392 | KT176432 | KT176472 | KT176512 | KT176552 | --       | KT176623 | KT176666 | KT176703 | KT176743 | KT176783 |

# Plastid (cpDNA) Page 2 of 5:

| Species                                         | ndhE     | ndhF     | ndhG     | ndhH     | ndhI     | ndhJ     | ndhK     | petA     | petB     | petD     | petG     | petL     | petN     | psaA     | psaB     |
|-------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <i>Androsace occidentalis</i>                   | KT176784 | KT176824 | KT176864 | KT176904 | KT176944 | KT176984 | KT177024 | KT177064 | KT177104 | KT177144 | KT177184 | KT177224 | KT177264 | KT177304 | KT177344 |
| <i>Asclepias verticillata</i>                   | KT176785 | KT176825 | KT176865 | KT176905 | KT176945 | KT176985 | KT177025 | KT177065 | KT177105 | KT177145 | KT177185 | KT177225 | KT177265 | KT177305 | KT177345 |
| <i>Carduus nutans</i>                           | KT176786 | KT176826 | KT176866 | KT176906 | KT176946 | KT176986 | KT177026 | KT177066 | KT177106 | KT177146 | KT177186 | KT177226 | KT177266 | KT177306 | KT177346 |
| <i>Vernonia baldwinii</i>                       | KT176787 | KT176827 | KT176867 | KT176907 | KT176947 | KT176987 | KT177027 | KT177067 | KT177107 | KT177147 | KT177187 | KT177227 | KT177267 | KT177307 | KT177347 |
| <i>Helianthus pauciflorus</i>                   | KT176788 | KT176828 | KT176868 | KT176908 | KT176948 | KT176988 | KT177028 | KT177068 | KT177108 | KT177148 | KT177188 | KT177228 | KT177268 | KT177308 | KT177348 |
| <i>Helianthus tuberosa</i>                      | KT176789 | KT176829 | KT176869 | KT176909 | KT176949 | KT176989 | KT177029 | KT177069 | KT177109 | KT177149 | KT177189 | KT177229 | KT177269 | KT177309 | KT177349 |
| <i>Heliopsis helianthoides var occidentalis</i> | KT176790 | KT176830 | KT176870 | KT176910 | KT176950 | KT176990 | KT177030 | KT177072 | KT177112 | KT177152 | KT177192 | KT177232 | KT177272 | KT177312 | KT177352 |
| <i>Rudbeckia hirta var pulcherrima</i>          | KT176791 | KT176831 | KT176871 | KT176911 | KT176951 | KT176991 | KT177031 | KT177070 | KT177110 | KT177150 | KT177190 | KT177230 | KT177270 | KT177310 | KT177350 |
| <i>Silphium integrifolium</i>                   | KT176792 | KT176832 | KT176872 | KT176912 | KT176952 | KT176992 | KT177032 | KT177071 | KT177111 | KT177151 | KT177191 | KT177231 | KT177271 | KT177311 | KT177351 |
| <i>Grindelia squarrosa</i>                      | KT176793 | KT176833 | KT176873 | KT176913 | KT176953 | KT176993 | KT177033 | KT177073 | KT177113 | KT177153 | KT177193 | KT177233 | KT177273 | KT177313 | KT177353 |
| <i>Solidago missouriensis</i>                   | KT176794 | KT176834 | KT176874 | KT176914 | KT176954 | KT176994 | KT177034 | KT177074 | KT177114 | KT177154 | KT177194 | KT177234 | KT177274 | KT177314 | KT177354 |
| <i>Symphoricarpos occidentalis</i>              | KT176795 | KT176835 | KT176875 | KT176915 | KT176955 | KT176995 | KT177035 | KT177078 | KT177118 | KT177158 | KT177198 | KT177238 | KT177278 | KT177318 | KT177358 |
| <i>Cicuta maculata</i>                          | KT176796 | KT176836 | KT176876 | KT176916 | KT176956 | KT176996 | KT177036 | KT177075 | KT177115 | KT177155 | KT177195 | KT177235 | KT177275 | KT177315 | KT177355 |
| <i>Conium maculatum</i>                         | KT176797 | KT176837 | KT176877 | KT176917 | KT176957 | KT176997 | KT177037 | KT177076 | KT177116 | KT177156 | KT177196 | KT177236 | KT177276 | KT177316 | KT177356 |
| <i>Zizia aurea</i>                              | KT176798 | KT176838 | KT176878 | KT176918 | KT176958 | KT176998 | KT177038 | KT177077 | KT177117 | KT177157 | KT177197 | KT177237 | KT177277 | KT177317 | KT177357 |
| <i>Ellisia nyctelea</i>                         | KT176799 | KT176839 | KT176879 | KT176919 | KT176959 | KT176999 | KT177039 | KT177079 | KT177119 | KT177159 | KT177199 | KT177239 | KT177279 | KT177319 | KT177359 |
| <i>Physalis heterophylla</i>                    | KT176800 | KT176840 | KT176880 | KT176920 | KT176960 | KT177000 | KT177040 | KT177080 | KT177120 | KT177160 | KT177200 | KT177240 | KT177280 | KT177320 | KT177360 |
| <i>Physalis virginiana</i>                      | KT176801 | KT176841 | KT176881 | KT176921 | KT176961 | KT177001 | KT177041 | KT177081 | KT177121 | KT177161 | KT177201 | KT177241 | KT177281 | KT177321 | KT177361 |
| <i>Solanum carolinense</i>                      | KT176802 | KT176842 | KT176882 | KT176922 | KT176962 | KT177002 | KT177042 | KT177082 | KT177122 | KT177162 | KT177202 | KT177242 | KT177282 | KT177322 | KT177362 |
| <i>Solanum rostratum</i>                        | KT176803 | KT176843 | KT176883 | KT176923 | KT176963 | KT177003 | KT177043 | KT177083 | KT177123 | KT177163 | KT177203 | KT177243 | KT177283 | KT177323 | KT177363 |
| <i>Solanum triflorum</i>                        | KT176804 | KT176844 | KT176884 | KT176924 | KT176964 | KT177004 | KT177044 | KT177084 | KT177124 | KT177164 | KT177204 | KT177244 | KT177284 | KT177324 | KT177364 |
| <i>Monarda fistulosa var mollis</i>             | KT176805 | KT176845 | KT176885 | KT176925 | KT176965 | KT177005 | KT177045 | KT177085 | KT177125 | KT177165 | KT177205 | KT177245 | KT177285 | KT177325 | KT177365 |
| <i>Nepeta cataria</i>                           | KT176806 | KT176846 | KT176886 | KT176926 | KT176966 | KT177006 | KT177046 | KT177087 | KT177127 | KT177167 | KT177207 | KT177247 | KT177287 | KT177327 | KT177367 |
| <i>Salvia nemorosa</i>                          | KT176807 | KT176847 | KT176887 | KT176927 | KT176967 | KT177007 | KT177047 | KT177086 | KT177126 | KT177166 | KT177206 | KT177246 | KT177286 | KT177326 | KT177366 |
| <i>Teucrium canadense</i>                       | KT176808 | KT176848 | KT176888 | KT176928 | KT176968 | KT177008 | KT177048 | KT177091 | KT177131 | KT177171 | KT177211 | KT177251 | KT177291 | KT177331 | KT177371 |
| <i>Verbascum thapsus</i>                        | KT176809 | KT176849 | KT176889 | KT176929 | KT176969 | KT177009 | KT177049 | KT177090 | KT177130 | KT177170 | KT177210 | KT177250 | KT177290 | KT177330 | KT177370 |
| <i>Penstemon angustifolius</i>                  | KT176810 | KT176850 | KT176890 | KT176930 | KT176970 | KT177010 | KT177050 | KT177088 | KT177128 | KT177168 | KT177208 | KT177248 | KT177288 | KT177328 | KT177368 |
| <i>Penstemon gracilis</i>                       | KT176811 | KT176851 | KT176891 | KT176931 | KT176971 | KT177011 | KT177051 | KT177089 | KT177129 | KT177169 | KT177209 | KT177249 | KT177289 | KT177329 | KT177369 |
| <i>Verbena hastata</i>                          | KT176812 | KT176852 | KT176892 | KT176932 | KT176972 | KT177012 | KT177052 | KT177092 | KT177132 | KT177172 | KT177212 | KT177252 | KT177292 | KT177332 | KT177372 |
| <i>Veronica americana</i>                       | KT176813 | KT176853 | KT176893 | KT176933 | KT176973 | KT177013 | KT177053 | KT177093 | KT177133 | KT177173 | KT177213 | KT177253 | KT177293 | KT177333 | KT177373 |
| <i>Plantago patagonica</i>                      | KT176814 | KT176854 | KT176894 | KT176934 | KT176974 | KT177014 | KT177054 | KT177094 | KT177134 | KT177174 | KT177214 | KT177254 | KT177294 | KT177334 | KT177374 |
| <i>Impatiens capensis</i>                       | KT176815 | KT176855 | KT176895 | KT176935 | KT176975 | KT177015 | KT177055 | KT177098 | KT177138 | KT177178 | KT177218 | KT177258 | KT177298 | KT177338 | KT177378 |
| <i>Convolvulus arvensis</i>                     | KT176816 | KT176856 | KT176896 | KT176936 | KT176976 | KT177016 | KT177056 | KT177095 | KT177135 | KT177175 | KT177215 | KT177255 | KT177295 | KT177335 | KT177375 |
| <i>Ipomoea leptophylla</i>                      | KT176817 | KT176857 | KT176897 | KT176937 | KT176977 | KT177017 | KT177057 | KT177096 | KT177136 | KT177176 | KT177216 | KT177256 | KT177296 | KT177336 | KT177376 |
| <i>Evolvulus nuttallianus</i>                   | KT176818 | KT176858 | KT176898 | KT176938 | KT176978 | KT177018 | KT177058 | KT177097 | KT177137 | KT177177 | KT177217 | KT177257 | KT177297 | KT177337 | KT177377 |
| <i>Comandra umbellata</i>                       | KT176819 | KT176859 | KT176899 | KT176939 | KT176979 | KT177019 | KT177059 | KT177099 | KT177139 | KT177179 | KT177219 | KT177259 | KT177299 | KT177339 | KT177379 |
| <i>Galium aparine</i>                           | KT176820 | KT176860 | KT176900 | KT176940 | KT176980 | KT177020 | KT177060 | KT177100 | KT177140 | KT177180 | KT177220 | KT177260 | KT177300 | KT177340 | KT177380 |
| <i>Silene antirrhina</i>                        | KT176821 | KT176861 | KT176901 | KT176941 | KT176981 | KT177021 | KT177061 | KT177101 | KT177141 | KT177181 | KT177221 | KT177261 | KT177301 | KT177341 | KT177381 |
| <i>Silene vulgaris</i>                          | KT176822 | KT176862 | KT176902 | KT176942 | KT176982 | KT177022 | KT177062 | KT177102 | KT177142 | KT177182 | KT177222 | KT177262 | KT177302 | KT177342 | KT177382 |
| <i>Campanula rotundifolia</i>                   | KT176823 | KT176863 | KT176903 | KT176943 | KT176983 | KT177023 | KT177063 | KT177103 | KT177143 | KT177183 | KT177223 | KT177263 | KT177303 | KT177343 | KT177383 |

# Plastid (cpDNA) Page 3 of 5:

| Species                                         | psaC     | psaI     | psaJ     | psbA     | psbB     | psbC     | psbD     | psbE     | psbF     | psbH     | psbI     | psbJ     | psbK     | psbL     | psbM     |
|-------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <i>Androsace occidentalis</i>                   | KT177384 | KT177424 | KT177464 | KT177504 | KT177544 | KT177584 | KT177624 | KT177664 | KT177704 | KT177744 | KT177784 | KT177824 | KT177864 | KT177904 | KT177944 |
| <i>Asclepias verticillata</i>                   | KT177385 | KT177425 | KT177465 | KT177505 | KT177545 | KT177585 | KT177625 | KT177665 | KT177705 | KT177745 | KT177785 | KT177825 | KT177865 | KT177905 | KT177945 |
| <i>Carduus nutans</i>                           | KT177386 | KT177426 | KT177466 | KT177506 | KT177546 | KT177586 | KT177626 | KT177666 | KT177706 | KT177746 | KT177786 | KT177826 | KT177866 | KT177906 | KT177946 |
| <i>Vernonia baldwinii</i>                       | KT177387 | KT177427 | KT177467 | KT177507 | KT177547 | KT177587 | KT177627 | KT177667 | KT177707 | KT177747 | KT177787 | KT177827 | KT177867 | KT177907 | KT177947 |
| <i>Helianthus pauciflorus</i>                   | KT177388 | KT177428 | KT177468 | KT177508 | KT177548 | KT177588 | KT177628 | KT177668 | KT177708 | KT177748 | KT177788 | KT177828 | KT177868 | KT177908 | KT177948 |
| <i>Helianthus tuberosa</i>                      | KT177389 | KT177429 | KT177469 | KT177509 | KT177549 | KT177589 | KT177629 | KT177669 | KT177709 | KT177749 | KT177789 | KT177829 | KT177869 | KT177909 | KT177949 |
| <i>Heliopsis helianthoides var occidentalis</i> | KT177392 | KT177432 | KT177472 | KT177512 | KT177552 | KT177592 | KT177632 | KT177672 | KT177712 | KT177752 | KT177792 | KT177832 | KT177872 | KT177912 | KT177952 |
| <i>Rudbeckia hirta var pulcherrima</i>          | KT177390 | KT177430 | KT177470 | KT177510 | KT177550 | KT177590 | KT177630 | KT177670 | KT177710 | KT177750 | KT177790 | KT177830 | KT177870 | KT177910 | KT177950 |
| <i>Silphium integrifolium</i>                   | KT177391 | KT177431 | KT177471 | KT177511 | KT177551 | KT177591 | KT177631 | KT177671 | KT177711 | KT177751 | KT177791 | KT177831 | KT177871 | KT177911 | KT177951 |
| <i>Grindelia squarrosa</i>                      | KT177393 | KT177433 | KT177473 | KT177513 | KT177553 | KT177593 | KT177633 | KT177673 | KT177713 | KT177753 | KT177793 | KT177833 | KT177873 | KT177913 | KT177953 |
| <i>Solidago missouriensis</i>                   | KT177394 | KT177434 | KT177474 | KT177514 | KT177554 | KT177594 | KT177634 | KT177674 | KT177714 | KT177754 | KT177794 | KT177834 | KT177874 | KT177914 | KT177954 |
| <i>Symphoricarpos occidentalis</i>              | KT177398 | KT177438 | KT177478 | KT177518 | KT177558 | KT177598 | KT177638 | KT177678 | KT177718 | KT177758 | KT177798 | KT177838 | KT177878 | KT177918 | KT177958 |
| <i>Cicuta maculata</i>                          | KT177395 | KT177435 | KT177475 | KT177515 | KT177555 | KT177595 | KT177635 | KT177675 | KT177715 | KT177755 | KT177795 | KT177835 | KT177875 | KT177915 | KT177955 |
| <i>Conium maculatum</i>                         | KT177396 | KT177436 | KT177476 | KT177516 | KT177556 | KT177596 | KT177636 | KT177676 | KT177716 | KT177756 | KT177796 | KT177836 | KT177876 | KT177916 | KT177956 |
| <i>Zizia aurea</i>                              | KT177397 | KT177437 | KT177477 | KT177517 | KT177557 | KT177597 | KT177637 | KT177677 | KT177717 | KT177757 | KT177797 | KT177837 | KT177877 | KT177917 | KT177957 |
| <i>Ellisia nyctelea</i>                         | KT177399 | KT177439 | KT177479 | KT177519 | KT177559 | KT177599 | KT177639 | KT177679 | KT177719 | KT177759 | KT177799 | KT177839 | KT177879 | KT177919 | KT177959 |
| <i>Physalis heterophylla</i>                    | KT177400 | KT177440 | KT177480 | KT177520 | KT177560 | KT177600 | KT177640 | KT177680 | KT177720 | KT177760 | KT177800 | KT177840 | KT177880 | KT177920 | KT177960 |
| <i>Physalis virginiana</i>                      | KT177401 | KT177441 | KT177481 | KT177521 | KT177561 | KT177601 | KT177641 | KT177681 | KT177721 | KT177761 | KT177801 | KT177841 | KT177881 | KT177921 | KT177961 |
| <i>Solanum carolinense</i>                      | KT177402 | KT177442 | KT177482 | KT177522 | KT177562 | KT177602 | KT177642 | KT177682 | KT177722 | KT177762 | KT177802 | KT177842 | KT177882 | KT177922 | KT177962 |
| <i>Solanum rostratum</i>                        | KT177403 | KT177443 | KT177483 | KT177523 | KT177563 | KT177603 | KT177643 | KT177683 | KT177723 | KT177763 | KT177803 | KT177843 | KT177883 | KT177923 | KT177963 |
| <i>Solanum triflorum</i>                        | KT177404 | KT177444 | KT177484 | KT177524 | KT177564 | KT177604 | KT177644 | KT177684 | KT177724 | KT177764 | KT177804 | KT177844 | KT177884 | KT177924 | KT177964 |
| <i>Monarda fistulosa var mollis</i>             | KT177405 | KT177445 | KT177485 | KT177525 | KT177565 | KT177605 | KT177645 | KT177685 | KT177725 | KT177765 | KT177805 | KT177845 | KT177885 | KT177925 | KT177965 |
| <i>Nepeta cataria</i>                           | KT177407 | KT177447 | KT177487 | KT177527 | KT177567 | KT177607 | KT177647 | KT177687 | KT177727 | KT177767 | KT177807 | KT177847 | KT177887 | KT177927 | KT177967 |
| <i>Salvia nemorosa</i>                          | KT177406 | KT177446 | KT177486 | KT177526 | KT177566 | KT177606 | KT177646 | KT177686 | KT177726 | KT177766 | KT177806 | KT177846 | KT177886 | KT177926 | KT177966 |
| <i>Teucrium canadense</i>                       | KT177411 | KT177451 | KT177491 | KT177531 | KT177571 | KT177611 | KT177651 | KT177691 | KT177731 | KT177771 | KT177811 | KT177851 | KT177891 | KT177931 | KT177971 |
| <i>Verbascum thapsus</i>                        | KT177410 | KT177450 | KT177490 | KT177530 | KT177570 | KT177610 | KT177650 | KT177690 | KT177730 | KT177770 | KT177810 | KT177850 | KT177890 | KT177930 | KT177970 |
| <i>Penstemon angustifolius</i>                  | KT177408 | KT177448 | KT177488 | KT177528 | KT177568 | KT177608 | KT177648 | KT177688 | KT177728 | KT177768 | KT177808 | KT177848 | KT177888 | KT177928 | KT177968 |
| <i>Penstemon gracilis</i>                       | KT177409 | KT177449 | KT177489 | KT177529 | KT177569 | KT177609 | KT177649 | KT177689 | KT177729 | KT177769 | KT177809 | KT177849 | KT177889 | KT177929 | KT177969 |
| <i>Verbena hastata</i>                          | KT177412 | KT177452 | KT177492 | KT177532 | KT177572 | KT177612 | KT177652 | KT177692 | KT177732 | KT177772 | KT177812 | KT177852 | KT177892 | KT177932 | KT177972 |
| <i>Veronica americana</i>                       | KT177413 | KT177453 | KT177493 | KT177533 | KT177573 | KT177613 | KT177653 | KT177693 | KT177733 | KT177773 | KT177813 | KT177853 | KT177893 | KT177933 | KT177973 |
| <i>Plantago patagonica</i>                      | KT177414 | KT177454 | KT177494 | KT177534 | KT177574 | KT177614 | KT177654 | KT177694 | KT177734 | KT177774 | KT177814 | KT177854 | KT177894 | KT177934 | KT177974 |
| <i>Impatiens capensis</i>                       | KT177418 | KT177458 | KT177498 | KT177538 | KT177578 | KT177618 | KT177658 | KT177698 | KT177738 | KT177778 | KT177818 | KT177858 | KT177898 | KT177938 | KT177978 |
| <i>Convolvulus arvensis</i>                     | KT177415 | KT177455 | KT177495 | KT177535 | KT177575 | KT177615 | KT177655 | KT177695 | KT177735 | KT177775 | KT177815 | KT177855 | KT177895 | KT177935 | KT177975 |
| <i>Ipomoea leptophylla</i>                      | KT177416 | KT177456 | KT177496 | KT177536 | KT177576 | KT177616 | KT177656 | KT177696 | KT177736 | KT177776 | KT177816 | KT177856 | KT177896 | KT177936 | KT177976 |
| <i>Evolvulus nuttallianus</i>                   | KT177417 | KT177457 | KT177497 | KT177537 | KT177577 | KT177617 | KT177657 | KT177697 | KT177737 | KT177777 | KT177817 | KT177857 | KT177897 | KT177937 | KT177977 |
| <i>Comandra umbellata</i>                       | KT177419 | KT177459 | KT177499 | KT177539 | KT177579 | KT177619 | KT177659 | KT177699 | KT177739 | KT177779 | KT177819 | KT177859 | KT177899 | KT177939 | KT177979 |
| <i>Galium aparine</i>                           | KT177420 | KT177460 | KT177500 | KT177540 | KT177580 | KT177620 | KT177660 | KT177700 | KT177740 | KT177780 | KT177820 | KT177860 | KT177900 | KT177940 | KT177980 |
| <i>Silene antirrhina</i>                        | KT177421 | KT177461 | KT177501 | KT177541 | KT177581 | KT177621 | KT177661 | KT177701 | KT177741 | KT177781 | KT177821 | KT177861 | KT177901 | KT177941 | KT177981 |
| <i>Silene vulgaris</i>                          | KT177422 | KT177462 | KT177502 | KT177542 | KT177582 | KT177622 | KT177662 | KT177702 | KT177742 | KT177782 | KT177822 | KT177862 | KT177902 | KT177942 | KT177982 |
| <i>Campanula rotundifolia</i>                   | KT177423 | KT177463 | KT177503 | KT177543 | KT177583 | KT177623 | KT177663 | KT177703 | KT177743 | KT177783 | KT177823 | KT177863 | KT177903 | KT177943 | KT177983 |

# Plastid (cpDNA) Page 4 of 5:

| Species                                         | psbN     | psbT     | psbZ     | rbcL     | rpl2     | rpl14    | rpl16    | rpl20    | rpl22    | rpl23    | rpl32    | rpl33    | rpl36    | rpoA     | rpoB     |
|-------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <i>Androsace occidentalis</i>                   | KT177984 | KT178024 | KT178064 | KT178104 | KT178144 | KT178184 | KT178224 | KT178264 | KT178304 | KT178343 | KT178379 | KT178419 | KT178458 | KT178498 | KT178538 |
| <i>Asclepias verticillata</i>                   | KT177985 | KT178025 | KT178065 | KT178105 | KT178145 | KT178185 | KT178225 | KT178296 | KT178305 | KT178344 | KT178380 | KT178420 | KT178459 | KT178520 | KT178539 |
| <i>Carduus nutans</i>                           | KT177986 | KT178026 | KT178066 | KT178106 | KT178146 | KT178186 | KT178226 | KT178265 | KT178324 | KT178345 | KT178381 | KT178421 | KT178460 | KT178523 | KT178565 |
| <i>Vernonia baldwinii</i>                       | KT177987 | KT178027 | KT178067 | KT178107 | KT178147 | KT178187 | KT178227 | KT178273 | KT178325 | KT178346 | KT178382 | KT178422 | KT178461 | KT178530 | KT178573 |
| <i>Helianthus pauciflorus</i>                   | KT177988 | KT178028 | KT178068 | KT178108 | KT178148 | KT178188 | KT178228 | KT178268 | KT178326 | KT178347 | KT178383 | KT178423 | KT178462 | KT178526 | KT178568 |
| <i>Helianthus tuberosa</i>                      | KT177989 | KT178029 | KT178069 | KT178109 | KT178149 | KT178189 | KT178229 | KT178269 | KT178327 | KT178348 | KT178384 | KT178424 | KT178463 | KT178527 | KT178569 |
| <i>Heliopsis helianthoides var occidentalis</i> | KT177992 | KT178032 | KT178072 | KT178112 | KT178152 | KT178192 | KT178232 | KT178270 | KT178330 | KT178351 | KT178385 | KT178427 | KT178466 | KT178531 | KT178572 |
| <i>Rudbeckia hirta var pulcherrima</i>          | KT177990 | KT178030 | KT178070 | KT178110 | KT178150 | KT178190 | KT178230 | KT178271 | KT178328 | KT178349 | KT178386 | KT178425 | KT178464 | KT178529 | KT178571 |
| <i>Silphium integrifolium</i>                   | KT177991 | KT178031 | KT178071 | KT178111 | KT178151 | KT178191 | KT178231 | KT178272 | KT178329 | KT178350 | KT178387 | KT178426 | KT178465 | KT178528 | KT178570 |
| <i>Grindelia squarrosa</i>                      | KT177993 | KT178033 | KT178073 | KT178113 | KT178153 | KT178193 | KT178233 | KT178266 | KT178331 | KT178352 | KT178388 | KT178428 | KT178467 | KT178524 | KT178566 |
| <i>Solidago missouriensis</i>                   | KT177994 | KT178034 | KT178074 | KT178114 | KT178154 | KT178194 | KT178234 | KT178267 | KT178332 | KT178353 | KT178389 | KT178429 | KT178468 | KT178525 | KT178567 |
| <i>Symphoricarpos occidentalis</i>              | KT177998 | KT178038 | KT178078 | KT178118 | KT178158 | KT178198 | KT178238 | KT178301 | KT178333 | KT178357 | KT178393 | KT178433 | KT178472 | KT178502 | KT178562 |
| <i>Cicuta maculata</i>                          | KT177995 | KT178035 | KT178075 | KT178115 | KT178155 | KT178195 | KT178235 | KT178278 | KT178334 | KT178354 | KT178390 | KT178430 | KT178469 | KT178499 | KT178540 |
| <i>Conium maculatum</i>                         | KT177996 | KT178036 | KT178076 | KT178116 | KT178156 | KT178196 | KT178236 | KT178279 | KT178335 | KT178355 | KT178391 | KT178431 | KT178470 | KT178500 | KT178541 |
| <i>Zizia aurea</i>                              | KT177997 | KT178037 | KT178077 | KT178117 | KT178157 | KT178197 | KT178237 | KT178280 | KT178336 | KT178356 | KT178392 | KT178432 | KT178471 | KT178501 | KT178542 |
| <i>Ellisia nyctelea</i>                         | KT177999 | KT178039 | KT178079 | KT178119 | KT178159 | KT178199 | KT178239 | KT178274 | KT178306 | KT178358 | KT178394 | KT178434 | KT178473 | KT178506 | KT178546 |
| <i>Physalis heterophylla</i>                    | KT178000 | KT178040 | KT178080 | KT178120 | KT178160 | KT178200 | KT178240 | KT178289 | KT178307 | KT178359 | KT178407 | KT178435 | KT178474 | KT178507 | KT178547 |
| <i>Physalis virginiana</i>                      | KT178001 | KT178041 | KT178081 | KT178121 | KT178161 | KT178201 | KT178241 | KT178290 | KT178308 | KT178360 | KT178408 | KT178436 | KT178475 | KT178508 | KT178548 |
| <i>Solanum carolinense</i>                      | KT178002 | KT178042 | KT178082 | KT178122 | KT178162 | KT178202 | KT178242 | KT178275 | KT178309 | KT178361 | KT178409 | KT178437 | KT178476 | KT178509 | KT178549 |
| <i>Solanum rostratum</i>                        | KT178003 | KT178043 | KT178083 | KT178123 | KT178163 | KT178203 | KT178243 | KT178276 | KT178310 | KT178362 | KT178410 | KT178438 | KT178477 | KT178510 | KT178550 |
| <i>Solanum triflorum</i>                        | KT178004 | KT178044 | KT178084 | KT178124 | KT178164 | KT178204 | KT178244 | KT178277 | KT178311 | KT178363 | KT178411 | KT178439 | KT178478 | KT178511 | KT178551 |
| <i>Monarda fistulosa var mollis</i>             | KT178005 | KT178045 | KT178085 | KT178125 | KT178165 | KT178205 | KT178245 | KT178281 | KT178314 | KT178364 | KT178396 | KT178440 | KT178479 | KT178512 | KT178552 |
| <i>Nepeta cataria</i>                           | KT178007 | KT178047 | KT178087 | KT178127 | KT178167 | KT178207 | KT178247 | KT178282 | KT178316 | KT178366 | KT178398 | KT178442 | KT178481 | KT178513 | KT178554 |
| <i>Salvia nemorosa</i>                          | KT178006 | KT178046 | KT178086 | KT178126 | KT178166 | KT178206 | KT178246 | KT178283 | KT178315 | KT178365 | KT178397 | KT178441 | KT178480 | KT178514 | KT178553 |
| <i>Teucrium canadense</i>                       | KT178011 | KT178051 | KT178091 | KT178131 | KT178171 | KT178211 | KT178251 | KT178288 | KT178317 | KT178370 | KT178401 | KT178446 | KT178485 | KT178519 | KT178558 |
| <i>Verbascum thapsus</i>                        | KT178010 | KT178050 | KT178090 | KT178130 | KT178170 | KT178210 | KT178250 | KT178286 | KT178318 | KT178369 | KT178402 | KT178445 | KT178484 | KT178517 | KT178557 |
| <i>Penstemon angustifolius</i>                  | KT178008 | KT178048 | KT178088 | KT178128 | KT178168 | KT178208 | KT178248 | KT178284 | KT178312 | KT178367 | KT178399 | KT178443 | KT178482 | KT178515 | KT178555 |
| <i>Penstemon gracilis</i>                       | KT178009 | KT178049 | KT178089 | KT178129 | KT178169 | KT178209 | KT178249 | KT178285 | KT178313 | KT178368 | KT178400 | KT178444 | KT178483 | KT178516 | KT178556 |
| <i>Verbena hastata</i>                          | KT178012 | KT178052 | KT178092 | KT178132 | KT178172 | KT178212 | KT178252 | KT178294 | KT178319 | KT178371 | KT178404 | KT178447 | KT178486 | KT178518 | KT178559 |
| <i>Veronica americana</i>                       | KT178013 | KT178053 | KT178093 | KT178133 | KT178173 | KT178213 | KT178253 | KT178297 | KT178323 | KT178372 | KT178405 | KT178448 | KT178487 | KT178521 | KT178560 |
| <i>Plantago patagonica</i>                      | KT178014 | KT178054 | KT178094 | KT178134 | KT178174 | KT178214 | KT178254 | KT178302 | KT178339 | KT178373 | KT178403 | KT178449 | KT178488 | KT178533 | KT178561 |
| <i>Impatiens capensis</i>                       | KT178018 | KT178058 | KT178098 | KT178138 | KT178178 | KT178218 | KT178258 | KT178295 | KT178338 | KT178377 | KT178395 | KT178453 | KT178492 | KT178532 | KT178563 |
| <i>Convolvulus arvensis</i>                     | KT178015 | KT178055 | KT178095 | KT178135 | KT178175 | KT178215 | KT178255 | KT178291 | KT178320 | KT178374 | KT178414 | KT178450 | KT178489 | KT178503 | KT178543 |
| <i>Ipomoea leptophylla</i>                      | KT178016 | KT178056 | KT178096 | KT178136 | KT178176 | KT178216 | KT178256 | KT178292 | KT178321 | KT178375 | KT178415 | KT178451 | KT178490 | KT178504 | KT178544 |
| <i>Evolvulus nuttallianus</i>                   | KT178017 | KT178057 | KT178097 | KT178137 | KT178177 | KT178217 | KT178257 | KT178293 | KT178322 | KT178376 | KT178417 | KT178452 | KT178491 | KT178505 | KT178545 |
| <i>Comandra umbellata</i>                       | KT178019 | KT178059 | KT178099 | KT178139 | KT178179 | KT178219 | KT178259 | KT178300 | --       | --       | KT178416 | KT178454 | KT178493 | KT178522 | KT178564 |
| <i>Galium aparine</i>                           | KT178020 | KT178060 | KT178100 | KT178140 | KT178180 | KT178220 | KT178260 | KT178297 | KT178337 | KT178378 | KT178406 | --       | KT178494 | KT178534 | KT178577 |
| <i>Silene antirrhina</i>                        | KT178021 | KT178061 | KT178101 | KT178141 | KT178181 | KT178221 | KT178261 | KT178298 | KT178341 | --       | KT178412 | KT178455 | KT178495 | KT178536 | KT178575 |
| <i>Silene vulgaris</i>                          | KT178022 | KT178062 | KT178102 | KT178142 | KT178182 | KT178222 | KT178262 | KT178299 | KT178342 | --       | KT178413 | KT178456 | KT178496 | KT178537 | KT178576 |
| <i>Campanula rotundifolia</i>                   | KT178023 | KT178063 | KT178103 | KT178143 | KT178183 | KT178223 | KT178263 | KT178303 | KT178340 | --       | KT178418 | KT178457 | KT178497 | KT178535 | KT178574 |

# Plastid (cpDNA) Page 5 of 5:

| Species                                         | rpoC1    | rpoC2    | rps2     | rps3     | rps4     | rps7     | rps8     | rps11    | rps12    | rps14    | rps15    | rps16    | rps18    | rps19    | ycf3     | ycf4     |
|-------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <i>Androsace occidentalis</i>                   | KT178578 | KT178618 | KT178658 | KT178698 | KT178738 | KT178778 | KT178818 | KT178858 | KT178898 | KT178938 | KT178978 | KT179018 | KT179057 | KT179097 | KT179137 | KT179177 |
| <i>Asclepias verticillata</i>                   | KT178579 | KT178619 | KT178691 | KT178699 | KT178739 | KT178779 | KT178819 | KT178859 | KT178899 | KT178939 | KT178979 | KT179019 | KT179095 | KT179098 | KT179138 | KT179178 |
| <i>Carduus nutans</i>                           | KT178608 | KT178644 | KT178659 | KT178700 | KT178740 | KT178780 | KT178820 | KT178860 | KT178900 | KT178940 | KT178980 | KT179020 | KT179058 | KT179099 | KT179139 | KT179179 |
| <i>Vernonia baldwinii</i>                       | KT178616 | KT178652 | KT178667 | KT178701 | KT178741 | KT178781 | KT178821 | KT178861 | KT178901 | KT178941 | KT178981 | KT179021 | KT179059 | KT179100 | KT179140 | KT179180 |
| <i>Helianthus pauciflorus</i>                   | KT178611 | KT178647 | KT178660 | KT178702 | KT178742 | KT178782 | KT178822 | KT178862 | KT178902 | KT178942 | KT178982 | KT179022 | KT179060 | KT179101 | KT179141 | KT179181 |
| <i>Helianthus tuberosa</i>                      | KT178612 | KT178648 | KT178661 | KT178703 | KT178743 | KT178783 | KT178823 | KT178863 | KT178903 | KT178943 | KT178983 | KT179023 | KT179061 | KT179102 | KT179142 | KT179182 |
| <i>Heliopsis helianthoides var occidentalis</i> | KT178615 | KT178651 | KT178664 | KT178706 | KT178746 | KT178786 | KT178826 | KT178866 | KT178906 | KT178946 | KT178986 | KT179026 | KT179062 | KT179105 | KT179145 | KT179185 |
| <i>Rudbeckia hirta var pulcherrima</i>          | KT178613 | KT178649 | KT178662 | KT178704 | KT178744 | KT178784 | KT178824 | KT178864 | KT178904 | KT178944 | KT178984 | KT179024 | KT179064 | KT179103 | KT179143 | KT179183 |
| <i>Silphium integrifolium</i>                   | KT178614 | KT178650 | KT178663 | KT178705 | KT178745 | KT178785 | KT178825 | KT178865 | KT178905 | KT178945 | KT178985 | KT179025 | KT179063 | KT179104 | KT179144 | KT179184 |
| <i>Grindelia squarrosa</i>                      | KT178609 | KT178645 | KT178665 | KT178707 | KT178747 | KT178787 | KT178827 | KT178867 | KT178907 | KT178947 | KT178987 | KT179027 | KT179065 | KT179106 | KT179146 | KT179186 |
| <i>Solidago missouriensis</i>                   | KT178610 | KT178646 | KT178666 | KT178708 | KT178748 | KT178788 | KT178828 | KT178868 | KT178908 | KT178948 | KT178988 | KT179028 | KT179066 | KT179107 | KT179147 | KT179187 |
| <i>Symphoricarpos occidentalis</i>              | KT178602 | KT178623 | KT178668 | KT178712 | KT178752 | KT178792 | KT178832 | KT178872 | KT178912 | KT178952 | KT178992 | KT179032 | KT179091 | KT179111 | KT179151 | KT179191 |
| <i>Cicuta maculata</i>                          | KT178599 | KT178620 | KT178683 | KT178709 | KT178749 | KT178789 | KT178829 | KT178869 | KT178909 | KT178949 | KT178989 | KT179029 | KT179082 | KT179108 | KT179148 | KT179188 |
| <i>Conium maculatum</i>                         | KT178600 | KT178621 | KT178684 | KT178710 | KT178750 | KT178790 | KT178830 | KT178870 | KT178910 | KT178950 | KT178990 | KT179030 | KT179083 | KT179109 | KT179149 | KT179189 |
| <i>Zizia aurea</i>                              | KT178601 | KT178622 | KT178685 | KT178711 | KT178751 | KT178791 | KT178831 | KT178871 | KT178911 | KT178951 | KT178991 | KT179031 | KT179084 | KT179110 | KT179150 | KT179190 |
| <i>Ellisia nyctelea</i>                         | KT178583 | KT178624 | KT178669 | KT178713 | KT178753 | KT178793 | KT178833 | KT178873 | KT178913 | KT178953 | KT178993 | KT179033 | KT179067 | KT179112 | KT179152 | KT179192 |
| <i>Physalis heterophylla</i>                    | KT178593 | KT178625 | KT178670 | KT178714 | KT178754 | KT178794 | KT178834 | KT178874 | KT178914 | KT178954 | KT178994 | KT179034 | KT179075 | KT179113 | KT179153 | KT179193 |
| <i>Physalis virginiana</i>                      | KT178594 | KT178626 | KT178671 | KT178715 | KT178755 | KT178795 | KT178835 | KT178875 | KT178915 | KT178955 | KT178995 | KT179035 | KT179076 | KT179114 | KT179154 | KT179194 |
| <i>Solanum carolinense</i>                      | KT178596 | KT178627 | KT178672 | KT178716 | KT178756 | KT178796 | KT178836 | KT178876 | KT178916 | KT178956 | KT178996 | KT179036 | KT179078 | KT179115 | KT179155 | KT179195 |
| <i>Solanum rostratum</i>                        | KT178597 | KT178628 | KT178673 | KT178717 | KT178757 | KT178797 | KT178837 | KT178877 | KT178917 | KT178957 | KT178997 | KT179037 | KT179079 | KT179116 | KT179156 | KT179196 |
| <i>Solanum triflorum</i>                        | KT178595 | KT178629 | KT178674 | KT178718 | KT178758 | KT178798 | KT178838 | KT178878 | KT178918 | KT178958 | KT178998 | KT179038 | KT179077 | KT179117 | KT179157 | KT179197 |
| <i>Monarda fistulosa var mollis</i>             | KT178587 | KT178630 | KT178675 | KT178719 | KT178759 | KT178799 | KT178839 | KT178879 | KT178919 | KT178959 | KT178999 | KT179039 | KT179068 | KT179118 | KT179158 | KT179198 |
| <i>Nepeta cataria</i>                           | KT178589 | KT178632 | KT178677 | KT178721 | KT178761 | KT178801 | KT178841 | KT178881 | KT178921 | KT178961 | KT179001 | KT179041 | KT179069 | KT179120 | KT179160 | KT179200 |
| <i>Salvia nemorosa</i>                          | KT178588 | KT178631 | KT178676 | KT178720 | KT178760 | KT178800 | KT178840 | KT178880 | KT178920 | KT178960 | KT179000 | KT179040 | KT179070 | KT179119 | KT179159 | KT179199 |
| <i>Teucrium canadense</i>                       | KT178590 | KT178637 | KT178689 | KT178725 | KT178765 | KT178805 | KT178845 | KT178885 | KT178925 | KT178965 | KT179005 | KT179045 | KT179080 | KT179124 | KT179164 | KT179204 |
| <i>Verbascum thapsus</i>                        | KT178586 | KT178635 | KT178680 | KT178724 | KT178764 | KT178804 | KT178844 | KT178884 | KT178924 | KT178964 | KT179004 | KT179044 | KT179073 | KT179123 | KT179163 | KT179203 |
| <i>Penstemon angustifolius</i>                  | KT178584 | KT178633 | KT178678 | KT178722 | KT178762 | KT178802 | KT178842 | KT178882 | KT178922 | KT178962 | KT179002 | KT179042 | KT179071 | KT179121 | KT179161 | KT179201 |
| <i>Penstemon gracilis</i>                       | KT178585 | KT178634 | KT178679 | KT178723 | KT178763 | KT178803 | KT178843 | KT178883 | KT178923 | KT178963 | KT179003 | KT179043 | KT179072 | KT179122 | KT179162 | KT179202 |
| <i>Verbena hastata</i>                          | KT178592 | KT178636 | KT178681 | KT178726 | KT178766 | KT178806 | KT178846 | KT178886 | KT178926 | KT178966 | KT179006 | KT179046 | KT179081 | KT179125 | KT179165 | KT179205 |
| <i>Veronica americana</i>                       | KT178591 | KT178638 | KT178682 | KT178727 | KT178767 | KT178807 | KT178847 | KT178887 | KT178927 | KT178967 | KT179007 | KT179047 | KT179074 | KT179126 | KT179166 | KT179206 |
| <i>Plantago patagonica</i>                      | KT178598 | KT178639 | KT178693 | KT178728 | KT178768 | KT178808 | KT178848 | KT178888 | KT178928 | KT178968 | KT179008 | KT179048 | KT179088 | KT179127 | KT179167 | KT179207 |
| <i>Impatiens capensis</i>                       | KT178603 | KT178643 | KT178690 | KT178732 | KT178772 | KT178812 | KT178852 | KT178892 | KT178932 | KT178972 | KT179012 | KT179052 | KT179085 | KT179131 | KT179171 | KT179211 |
| <i>Convolvulus arvensis</i>                     | KT178580 | KT178640 | KT178686 | KT178729 | KT178769 | KT178809 | KT178849 | KT178889 | KT178929 | KT178969 | KT179009 | KT179049 | KT179092 | KT179128 | KT179168 | KT179208 |
| <i>Ipomoea leptophylla</i>                      | KT178581 | KT178641 | KT178687 | KT178730 | KT178770 | KT178810 | KT178850 | KT178890 | KT178930 | KT178970 | KT179010 | KT179050 | KT179093 | KT179129 | KT179169 | KT179209 |
| <i>Evolvulus nuttallianus</i>                   | KT178582 | KT178642 | KT178688 | KT178731 | KT178771 | KT178811 | KT178851 | KT178891 | KT178931 | KT178971 | KT179011 | KT179051 | KT179094 | KT179130 | KT179170 | KT179210 |
| <i>Comandra umbellata</i>                       | KT178604 | KT178654 | KT178692 | KT178733 | KT178773 | KT178813 | KT178853 | KT178893 | KT178933 | KT178973 | KT179013 | KT179053 | KT179090 | KT179132 | KT179172 | KT179212 |
| <i>Galium aparine</i>                           | KT178617 | KT178653 | KT178694 | KT178734 | KT178774 | KT178814 | KT178854 | KT178894 | KT178934 | KT178974 | KT179014 | KT179054 | KT179089 | KT179133 | KT179173 | KT179213 |
| <i>Silene antirrhina</i>                        | KT178605 | KT178656 | KT178695 | KT178735 | KT178775 | KT178815 | KT178855 | KT178895 | KT178935 | KT178975 | KT179015 | KT179055 | KT179086 | KT179134 | KT179174 | KT179214 |
| <i>Silene vulgaris</i>                          | KT178606 | KT178657 | KT178696 | KT178736 | KT178776 | KT178816 | KT178856 | KT178896 | KT178936 | KT178976 | KT179016 | KT179056 | KT179087 | KT179135 | KT179175 | KT179215 |
| <i>Campanula rotundifolia</i>                   | KT178607 | KT178655 | KT178697 | KT178737 | KT178777 | KT178817 | KT178857 | KT178897 | KT178937 | KT178977 | KT179017 | --       | KT179096 | KT179136 | KT179176 | KT179216 |

## Mitochondrial (mtDNA) Page 1 of 2:

| Species                                                | atp4     | atp8     | coxIII   | nad3     | nad4L    | nad9     |
|--------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| <i>Achillea millefolium</i>                            | KT179217 | KT179280 | KT179343 | KT179406 | KT179469 | KT179532 |
| <i>Carduus nutans</i>                                  | KT179218 | KT179281 | KT179344 | KT179407 | KT179470 | KT179533 |
| <i>Cirsium canescens</i>                               | KT179219 | KT179282 | KT179345 | KT179408 | KT179471 | KT179534 |
| <i>Cirsium undulatum</i>                               | KT179220 | KT179283 | KT179346 | KT179409 | KT179472 | KT179535 |
| <i>Erigeron bellidiastrium</i>                         | KT179221 | KT179284 | KT179347 | KT179410 | KT179473 | KT179536 |
| <i>Erigeron strigosus</i>                              | KT179222 | KT179285 | KT179348 | KT179411 | KT179474 | KT179537 |
| <i>Erigeron philadelphicus</i>                         | KT179223 | KT179286 | KT179349 | KT179412 | KT179475 | KT179538 |
| <i>Solidago gigantea</i>                               | KT179224 | KT179287 | KT179350 | KT179413 | KT179476 | KT179539 |
| <i>Heterotheca stenophylla</i> var <i>stenophylla</i>  | KT179225 | KT179288 | KT179351 | KT179414 | KT179477 | KT179540 |
| <i>Heterotheca villosa</i>                             | KT179226 | KT179289 | KT179352 | KT179415 | KT179478 | KT179541 |
| <i>Tragopogon dubius</i>                               | KT179227 | KT179290 | KT179353 | KT179416 | KT179479 | KT179542 |
| <i>Senecio integerrimus</i>                            | KT179228 | KT179291 | KT179354 | KT179417 | KT179480 | KT179543 |
| <i>Grindelia squarrosa</i> var <i>squarrosa</i>        | KT179229 | KT179292 | KT179355 | KT179418 | KT179481 | KT179544 |
| <i>Xanthisma spinulosum</i>                            | KT179230 | KT179293 | KT179356 | KT179419 | KT179482 | KT179545 |
| <i>Solidago missouriensis</i>                          | KT179231 | KT179294 | KT179357 | KT179420 | KT179483 | KT179546 |
| <i>Gutierrezia sarothrae</i>                           | KT179232 | KT179295 | KT179358 | KT179421 | KT179484 | KT179547 |
| <i>Lygodesmia juncea</i>                               | KT179233 | KT179296 | KT179359 | KT179422 | KT179485 | KT179548 |
| <i>Lactuca ludoviciana</i>                             | KT179234 | KT179297 | KT179360 | KT179423 | KT179486 | KT179549 |
| <i>Echinacea angustifolia</i>                          | KT179235 | KT179298 | KT179361 | KT179424 | KT179487 | KT179550 |
| <i>Helianthus pauciflorus</i>                          | KT179236 | KT179299 | KT179362 | KT179425 | KT179488 | KT179551 |
| <i>Helianthus petiolaris</i>                           | KT179237 | KT179300 | KT179363 | KT179426 | KT179489 | KT179552 |
| <i>Helianthus tuberosa</i>                             | KT179238 | KT179301 | KT179364 | KT179427 | KT179490 | KT179553 |
| <i>Ratibida columnifera</i>                            | KT179239 | KT179302 | KT179365 | KT179428 | KT179491 | KT179554 |
| <i>Silphium integrifolium</i>                          | KT179240 | KT179303 | KT179366 | KT179429 | KT179492 | KT179555 |
| <i>Liatris glabrata</i>                                | KT179241 | KT179304 | KT179367 | KT179430 | KT179493 | KT179556 |
| <i>Vernonia baldwinii</i>                              | KT179242 | KT179305 | KT179368 | KT179431 | KT179494 | KT179557 |
| <i>Rudbeckia hirta</i> var <i>pulcherrima</i>          | KT179243 | KT179306 | KT179369 | KT179432 | KT179495 | KT179558 |
| <i>Antennaria neglecta</i>                             | KT179244 | KT179307 | KT179370 | KT179433 | KT179496 | KT179559 |
| <i>Heliopsis helianthoides</i> var <i>occidentalis</i> | KT179245 | KT179308 | KT179371 | KT179434 | KT179497 | KT179560 |
| <i>Symphoricarpus occidentalis</i>                     | KT179246 | KT179309 | KT179372 | KT179435 | KT179498 | KT179561 |
| <i>Campanula rotundifolia</i>                          | KT179247 | KT179310 | KT179373 | KT179436 | KT179499 | KT179562 |
| <i>Cicuta maculata</i>                                 | KT179248 | KT179311 | KT179374 | KT179437 | KT179500 | KT179563 |
| <i>Conium maculatum</i>                                | KT179249 | KT179312 | KT179375 | KT179438 | KT179501 | KT179564 |

## Mitochondrial (mtDNA) Page 2 of 2:

| Species                                           | atp4     | atp8     | coxIII   | nad3     | nad4L    | nad9     |
|---------------------------------------------------|----------|----------|----------|----------|----------|----------|
| <i>Zizia aurea</i>                                | KT179250 | KT179313 | KT179376 | KT179439 | KT179502 | KT179565 |
| <i>Convolvulus arvensis</i>                       | KT179251 | KT179314 | KT179377 | KT179440 | KT179506 | KT179566 |
| <i>Ipomoea leptophylla</i>                        | KT179252 | KT179315 | KT179378 | KT179441 | KT179507 | KT179567 |
| <i>Evolvulus nuttallianus</i>                     | KT179253 | KT179316 | KT179379 | KT179442 | KT179508 | KT179568 |
| <i>Physalis heterophylla</i>                      | KT179254 | KT179317 | KT179380 | KT179443 | KT179503 | KT179569 |
| <i>Physalis virginiana</i>                        | KT179255 | KT179318 | KT179381 | KT179444 | KT179504 | KT179570 |
| <i>Solanum carolinense</i>                        | KT179256 | KT179319 | KT179382 | KT179445 | KT179505 | KT179571 |
| <i>Solanum rostratum</i>                          | KT179257 | KT179320 | KT179383 | KT179446 | KT179509 | KT179572 |
| <i>Solanum triflorum</i>                          | KT179258 | KT179321 | KT179384 | KT179447 | KT179510 | KT179573 |
| <i>Comandra umbellata</i>                         | KT179259 | KT179322 | KT179385 | KT179448 | KT179511 | KT179574 |
| <i>Silene antirrhina</i>                          | KT179260 | KT179323 | KT179386 | KT179449 | KT179512 | KT179575 |
| <i>Silene vulgaris</i>                            | KT179261 | KT179324 | KT179387 | KT179450 | KT179513 | KT179576 |
| <i>Thelesperma filifolium</i>                     | KT179262 | KT179325 | KT179388 | KT179451 | KT179514 | KT179577 |
| <i>Hymenopappus tenuifolius</i>                   | KT179263 | KT179326 | KT179389 | KT179452 | KT179515 | KT179578 |
| <i>Antennaria howellii</i> subsp <i>neodioica</i> | KT179264 | KT179327 | KT179390 | KT179453 | KT179516 | KT179579 |
| <i>Plantago patagonica</i>                        | KT179265 | KT179328 | KT179391 | KT179454 | KT179517 | KT179580 |
| <i>Ellisia nyctelea</i>                           | KT179266 | KT179329 | KT179392 | KT179455 | KT179518 | KT179581 |
| <i>Monarda fistulosa</i> var <i>mollis</i>        | KT179267 | KT179330 | KT179393 | KT179456 | KT179519 | KT179582 |
| <i>Salvia nemorosa</i>                            | KT179268 | KT179331 | KT179394 | KT179457 | KT179520 | KT179583 |
| <i>Penstemon angustifolia</i>                     | KT179269 | KT179332 | KT179395 | KT179458 | KT179522 | KT179584 |
| <i>Penstemon gracilis</i>                         | KT179270 | KT179333 | KT179396 | KT179459 | KT179523 | KT179585 |
| <i>Verbascum thapsus</i>                          | KT179271 | KT179334 | KT179397 | KT179460 | KT179524 | KT179586 |
| <i>Verbena hastata</i>                            | KT179272 | KT179335 | KT179398 | KT179461 | KT179525 | KT179587 |
| <i>Veronica americana</i>                         | KT179273 | KT179336 | KT179399 | KT179462 | KT179526 | KT179588 |
| <i>Teucrium canadense</i>                         | KT179274 | KT179337 | KT179400 | KT179463 | KT179527 | KT179589 |
| <i>Nepeta cataria</i>                             | KT179275 | KT179338 | KT179401 | KT179464 | KT179521 | KT179590 |
| <i>Asclepias verticillata</i>                     | KT179276 | KT179339 | KT179402 | KT179465 | KT179528 | KT179591 |
| <i>Androsace occidentalis</i>                     | KT179277 | KT179340 | KT179403 | KT179466 | KT179529 | KT179592 |
| <i>Imaptiens capensis</i>                         | KT179278 | KT179341 | KT179404 | KT179467 | KT179530 | KT179593 |
| <i>Galium aparine</i>                             | KT179279 | KT179342 | KT179405 | KT179468 | KT179531 | KT179594 |

## Nuclear (nrDNA) Page 1 of 2:

| Species                                                | 5.8S     | 18S      | 26S      |
|--------------------------------------------------------|----------|----------|----------|
| <i>Achillea millefolium</i>                            | KT179595 | KT179658 | KT179721 |
| <i>Carduus nutans</i>                                  | KT179596 | KT179659 | KT179722 |
| <i>Cirsium canescens</i>                               | KT179597 | KT179660 | KT179723 |
| <i>Cirsium undulatum</i>                               | KT179598 | KT179661 | KT179724 |
| <i>Tragopogon dubius</i>                               | KT179599 | KT179662 | KT179725 |
| <i>Senecio integerrimus</i>                            | KT179600 | KT179663 | KT179726 |
| <i>Erigeron bellidiastrum</i>                          | KT179601 | KT179664 | KT179727 |
| <i>Erigeron strigosus</i>                              | KT179602 | KT179665 | KT179728 |
| <i>Erigeron philadelphicus</i>                         | KT179603 | KT179666 | KT179729 |
| <i>Grindelia squarrosa</i> var <i>squarrosa</i>        | KT179604 | KT179667 | KT179730 |
| <i>Xanthisma spinulosum</i>                            | KT179605 | KT179668 | KT179731 |
| <i>Solidago gigantea</i>                               | KT179606 | KT179669 | KT179732 |
| <i>Solidago missouriensis</i>                          | KT179607 | KT179670 | KT179733 |
| <i>Gutierrezia sarothrae</i>                           | KT179608 | KT179671 | KT179734 |
| <i>Heterotheca stenophylla</i> var <i>stenophylla</i>  | KT179609 | KT179672 | KT179735 |
| <i>Heterotheca villosa</i>                             | KT179610 | KT179673 | KT179736 |
| <i>Lygodesmia juncea</i>                               | KT179611 | KT179674 | KT179737 |
| <i>Lactuca ludoviciana</i>                             | KT179612 | KT179675 | KT179738 |
| <i>Echinacea angustifolia</i>                          | KT179613 | KT179676 | KT179739 |
| <i>Helianthus pauciflorus</i>                          | KT179614 | KT179677 | KT179740 |
| <i>Helianthus petiolaris</i>                           | KT179615 | KT179678 | KT179741 |
| <i>Helianthus tuberosa</i>                             | KT179616 | KT179679 | KT179742 |
| <i>Thelesperma filifolium</i>                          | KT179617 | KT179680 | KT179743 |
| <i>Ratibida columnifera</i>                            | KT179618 | KT179681 | KT179744 |
| <i>Hymenopappus tenuifolius</i>                        | KT179619 | KT179682 | KT179745 |
| <i>Silphium integrifolium</i>                          | KT179620 | KT179683 | KT179746 |
| <i>Liatris glabrata</i>                                | KT179621 | KT179684 | KT179747 |
| <i>Vernonia baldwinii</i>                              | KT179622 | KT179685 | KT179748 |
| <i>Rudbeckia hirta</i> var <i>pulcherrima</i>          | KT179623 | KT179686 | KT179749 |
| <i>Antennaria howellii</i> subsp <i>neodioica</i>      | KT179624 | KT179687 | KT179750 |
| <i>Antennaria neglecta</i>                             | KT179625 | KT179688 | KT179751 |
| <i>Heliopsis helianthoides</i> var <i>occidentalis</i> | KT179626 | KT179689 | KT179752 |
| <i>Symphoricarpus occidentalis</i>                     | KT179627 | KT179690 | KT179753 |



## Nuclear (nrDNA) Page 2 of 2:

| Species                                    | 5.8S     | 18S      | 26S      |
|--------------------------------------------|----------|----------|----------|
| <i>Campanula rotundifolia</i>              | KT179628 | KT179691 | KT179754 |
| <i>Cicuta maculata</i>                     | KT179629 | KT179692 | KT179755 |
| <i>Conium maculatum</i>                    | KT179630 | KT179693 | KT179756 |
| <i>Zizia aurea</i>                         | KT179631 | KT179694 | KT179757 |
| <i>Convolvulus arvensis</i>                | KT179632 | KT179695 | KT179758 |
| <i>Ipomoea leptophylla</i>                 | KT179633 | KT179696 | KT179759 |
| <i>Evolvulus nuttallianus</i>              | KT179634 | KT179697 | KT179760 |
| <i>Physalis heterophylla</i>               | KT179635 | KT179698 | KT179761 |
| <i>Physalis virginiana</i>                 | KT179636 | KT179699 | KT179762 |
| <i>Solanum carolinense</i>                 | KT179637 | KT179700 | KT179763 |
| <i>Solanum rostratum</i>                   | KT179638 | KT179701 | KT179764 |
| <i>Solanum triflorum</i>                   | KT179639 | KT179702 | KT179765 |
| <i>Ellisia nyctelea</i>                    | KT179640 | KT179703 | KT179766 |
| <i>Monarda fistulosa</i> var <i>mollis</i> | KT179641 | KT179704 | KT179767 |
| <i>Salvia nemorosa</i>                     | KT179642 | KT179705 | KT179768 |
| <i>Nepeta cataria</i>                      | KT179643 | KT179706 | KT179769 |
| <i>Penstemon angustifolia</i>              | KT179644 | KT179707 | KT179770 |
| <i>Penstemon gracilis</i>                  | KT179645 | KT179708 | KT179771 |
| <i>Verbascum thapsus</i>                   | KT179646 | KT179709 | KT179772 |
| <i>Verbena hastata</i>                     | KT179647 | KT179710 | KT179773 |
| <i>Veronica americana</i>                  | KT179648 | KT179711 | KT179774 |
| <i>Teucrium canadense</i>                  | KT179649 | KT179712 | KT179775 |
| <i>Asclepias verticillata</i>              | KT179650 | KT179713 | KT179776 |
| <i>Androsace occidentalis</i>              | KT179651 | KT179714 | KT179777 |
| <i>Imatiens capensis</i>                   | KT179652 | KT179715 | KT179778 |
| <i>Plantago patagonica</i>                 | KT179653 | KT179716 | KT179779 |
| <i>Galium aparine</i>                      | KT179654 | KT179717 | KT179780 |
| <i>Silene antirrhina</i>                   | KT179655 | KT179718 | KT179781 |
| <i>Silene vulgaris</i>                     | KT179656 | KT179719 | KT179782 |
| <i>Comandra umbellata</i>                  | KT179657 | KT179720 | KT179783 |