miRbase 作業　　D0701104 詹富駿

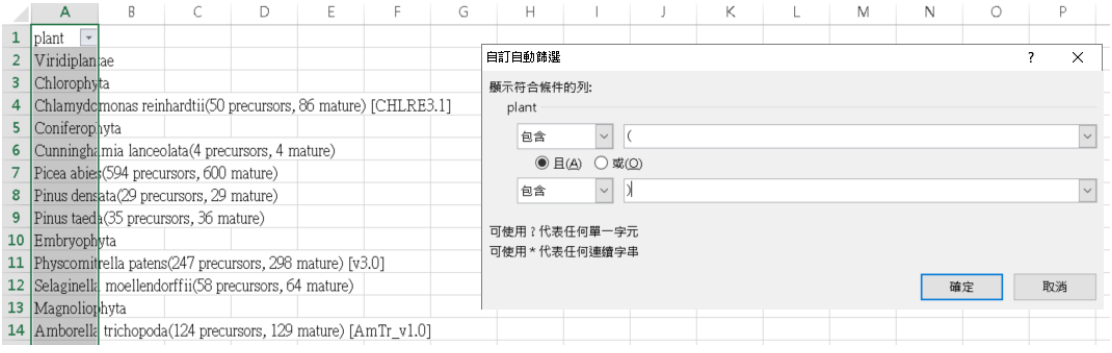
miRbase 植物物種數量?

把 miRbase 上的植物分類下的物種清單全部貼到 excel

如下：

- Viridiplantae
  - Chlorophyta
    - Chlamydomonas reinhardtii (50 precursors, 86 mature) [CHLRE3.1]
  - Coniferophyta
    - Cunninghamia lanceolata (4 precursors, 4 mature)
    - Picea abies (594 precursors, 600 mature)
    - Pinus densata (29 precursors, 29 mature)
    - Pinus taeda (35 precursors, 36 mature)
  - Embryophyta
    - Physcomitrella patens (247 precursors, 298 mature) [v3.0]
    - Selaginella moellendorffii (58 precursors, 64 mature)
  - Magnoliophyta
    - Amborella trichopoda (124 precursors, 129 mature) [AmTr_v1.0]
    - eudicotyledons
      - Amaranthaceae
        - Salicornia europaea (31 precursors, 31 mature)
      - Araliaceae
        - Panax ginseng (29 precursors, 32 mature)
      - Asteraceae
        - Cynara cardunculus (48 precursors, 57 mature)
        - Helianthus annuus (6 precursors, 7 mature)
        - Helianthus argophyllus (3 precursors, 3 mature)
        - Helianthus ciliaris (3 precursors, 3 mature)
        - Helianthus exilis (2 precursors, 2 mature)
        - Helianthus paradoxus (3 precursors, 3 mature)

	A
1	Viridiplantae
2	Chlorophyta
3	Chlamydomonas reinhardtii(50 precursors, 86 mature) [CHLRE3.1]
4	Coniferophyta
5	Cunninghamia lanceolata(4 precursors, 4 mature)
6	Picea abies(594 precursors, 600 mature)
7	Pinus densata(29 precursors, 29 mature)
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10	Physcomitrella patens(247 precursors, 298 mature) [v3.0]
11	Selaginella moellendorffii(58 precursors, 64 mature)
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14	eudicotyledons
15	Amaranthaceae
16	Salicornia europaea(31 precursors, 31 mature)
17	Araliaceae
18	Panax ginseng(29 precursors, 32 mature)
19	Asteraceae
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21	Helianthus annuus(6 precursors, 7 mature)
22	Helianthus argophyllus(3 precursors, 3 mature)
23	Helianthus ciliaris(3 precursors, 3 mature)
24	Helianthus exilis(2 precursors, 2 mature)
25	Helianthus paradoxus(3 precursors, 3 mature)



篩選有括號的後，計算筆數

共 82 種植物物種

在 hsa 中，miRNA 長度分布為：

	A	G	H	J	K
1	>hsa	Seq	length		
2	>hsa-miR-576-3p MIMAT0004796	AAGAUGUGGAAAAAUUGGAAUC	22	列標籤	計數 - length
3	AAGAUGUGGAAAAAUUGGAAUC	CAGUGGUUUUACCCUAUGGUAG	22	16	8
4	>hsa-miR-140-5p MIMAT0000431	CUCUAGAGGGAAGCGCUUUCUG	22	17	58
5	CAGUGGUUUUACCCUAUGGUAG	UUCAUUCGGCUGUCCAGAUGUA	22	18	76
6	>hsa-miR-522-5p MIMAT0005451	UUUGGUCCCCUUCAACCAGCUG	22	19	98
7	CUCUAGAGGGAAGCGCUUUCUG	UUUCUGUCUUUUCUGGUCCAG	21	20	171
8	>hsa-miR-1298-5p MIMAT0005800	GUUUGCACGGGUGGGCCUUGUCU	23	21	529
9	UUCAUUCGGCUGUCCAGAUGUA	AAAGACCGUGACUACUUUUGCA	22	22	1176
10	>hsa-miR-133a-3p MIMAT0000427	CAGGGCUCAGGGAUUGGAUGGAGG	24	23	384
11	UUUGGUCCCCUUCAACCAGCUG	UGGGCGAGGGGUGGGCUCUCAGAG	24	24	103
12	>hsa-miR-4743-3p MIMAT0022978	ACCAGGAGGCUGAGGCCCCU	20	25	37
13	UUUCUGUCUUUUCUGGUCCAG	UCACCUGAGCUCCCGUGCCUG	21	26	10
14	>hsa-miR-557 MIMAT0003221	AGAAGGCCUUUCCAUCUCUGU	21	27	3
15	GUUUGCACGGGUGGGCCUUGUCU	ACGGUGCUGGAUGUGGCCUUU	21	28	1
16	>hsa-miR-548ao-3p MIMAT0021030	CAGGCACGGGAGCUCAGGUGAG	22	總計	2654
17	AAAGACCGUGACUACUUUUGCA	UAUACAAGGGCAAGCUCUCUGU	22		
18	>hsa-miR-5088-5p MIMAT0021080	UUGAAGAGGAGGUGCUCUGUAGC	23		
19	CAGGGCUCAGGGAUUGGAUGGAGG	UUCAACAAGGGUGUAGGAUGG	21		
20	>hsa-miR-4649-5p MIMAT0019711	CGAGGGGUAGAAGAGCACAGGGG	23		
21	UGGGCGAGGGGUGGGCUCUCAGAG	CUUAGCAGGUUGUAUUAUCAUU	22		
22	>hsa-miR-665 MIMAT0004952	CAGUUCUGCUGUUCUGACUCUAG	23		
23	ACCAGGAGGCUGAGGCCCCU	UUGCAUAUGUAGGAUGUCCCAU	22		
24	>hsa-miR-3622b-3p MIMAT0018006	AUGGCCAAAACUGCAGUUAUUUU	23		
25	UCACCUGAGCUCCCGUGCCUG	UUCUCCAAAAGAAAGCACUUUCUG	24		
26	>hsa-miR-4493 MIMAT0019028	UAAGGAGGGGGAUGAGGGG	19		
27	AGAAGGCCUUUCCAUCUCUGU	GUGGGUUGGGGCGGGCUCUG	20		
28	>hsa-miR-1250-5p MIMAT0005902	CAGGUCGUCUUGCAGGGCUUCU	22		
29	ACGGUGCUGGAUGUGGCCUUU	AGUAGAGAGGAAAAGUUAGGGUC	23		
30	>hsa-miR-3622a-5p MIMAT0018003	AGCUUCUUUACAGUGCUGCCUUG	23		

在 mmu 中，miRNA 長度分布為：

	A	G	H	J	K
1	mmu	Seq	length		
2	>mmu-miR-6998-5p MIMAT0027898	CUGGGCAGAGGGCAAAGUGACU	22	列標籤	計數 - length
3	CUGGGCAGAGGGCAAAGUGACU	ACAAGUUCCUGCAAAUGCACAC	22	15	1
4	>mmu-miR-873b MIMAT0025177	GGGGUUCCUGGGGAUGGGAUUU	22	16	1
5	ACAAGUUCCUGCAAAUGCACAC	UGUGCUUUCUGGUCUUGGCUUAG	23	17	5
6	>mmu-miR-23a-5p MIMAT0017019	UAUGGGAAUAUCUAGGAGGUGA	22	18	18
7	GGGGUUCCUGGGGAUGGGAUUU	AAGCUGCCAGUUGAAGAACUGU	22	19	41
8	>mmu-miR-7026-3p MIMAT0027957	AGUGUAGCAGGUAAACCAGGA	21	20	113
9	UGUGCUUUCUGGUCUUGGCUUAG	ACAGAGGAGGAGAGAGAUCCUGU	23	21	437
10	>mmu-miR-6373 MIMAT0025117	ACCUGCCUCCUGCUCUCCCCAG	22	22	881
11	UAUGGGAAUAUCUAGGAGGUGA	UCUUCUCUUUCCAGUCAUCAGC	22	23	324
12	>mmu-miR-22-3p MIMAT0000531	CAGUGUGGCCAAUUGGAGAUUA	22	24	105
13	AAGCUGCCAGUUGAAGAACUGU	AGUGGUGAGCAGAAAGCAGCCGCGG	25	25	35
14	>mmu-miR-7065-5p MIMAT0028034	UUGGAGUUCAUGCAAGUUCUAACC	24	26	13
15	AGUGUAGCAGGUAAACCAGGA	AGCAUCUGCUGAUCCUGAGCUGU	23	27	4
16	>mmu-miR-5113 MIMAT0020621	ACUGCUUGUUCACUGGAAUAGG	22	總計	1978
17	ACAGAGGAGGAGAGAGAUCCUGU	CCUGGCAAGGAAGGGCUCUGUUU	23		
18	>mmu-miR-7016-3p MIMAT0027937	UGUCCUUCUCUUUCCCCCAG	20		
19	ACCUGCCUCCUGCUCUCCCCAG	CAGGCUCACCCCUCCGUUCCCU	22		
20	>mmu-miR-12202-3p MIMAT0049872	CAUGCCUUAGGGUGGGAUGCAAGU	24		
21	UCUUCUCUUUCCAGUCAUCAGC	AGCUUGUCUGACUGAUGUUG	20		
22	>mmu-miR-6376 MIMAT0025120	AUGUAUGUGUGCAUGUACAUGU	22		
23	CAGUGUGGCCAAUUGGAGAUUA	UCUGAGCUCUGCCCUUCCCAU	21		
24	>mmu-miR-7677-5p MIMAT0029868	CGUCAACACUUGCUGGUUUUCU	22		
25	AGUGGUGAGCAGAAAGCAGCCGCGG	AGAGGUAUAGCGCAUGGGAAGA	22		
26	>mmu-miR-3068-5p MIMAT0014842	AUCAUCAAAACAAAUGGAGUCC	22		
27	UUGGAGUUCAUGCAAGUUCUAACC	CAACAAGUCCCAGUCUGCCACA	22		
28	>mmu-miR-3089-3p MIMAT0014900	UCUCACUGUCCUCUGCACUAG	21		
29	AGCAUCUGCUGAUCCUGAGCUGU	ACUGAAAGGCAAUGAAGGAGGAGC	24		
30	>mmu-miR-7680-3p MIMAT0029875	CCCAGGGUGGUCCCCGAGAGGGUGGU	26		

在 gga 中，miRNA 長度分布為：

	A	G	H	J	K
1	gga	seq	length		
2	>gga-miR-1605 MIMAT0007471	AGGGUUUCAUGUGUAUCUCUUG	22	列標籤	計數 - length
3	AGGGUUUCAUGUGUAUCUCUUG	AAGUAUGAGGAAAUGGAGAUCU	22	17	1
4	>gga-miR-1684b-3p MIMAT0025785	ACUUGGAGGCCUGUGGCUAG	20	18	12
5	AAGUAUGAGGAAAUGGAGAUCU	UAGGGCAGAAUGAAGGAGUCCCU	23	19	16
6	>gga-miR-7457-3p MIMAT0029069	UGGUUGAUCCAUUGGAAGACUGA	23	20	89
7	ACUUGGAGGCCUGUGGCUAG	UGGAAUGGAAAGCAGUAUGUAU	22	21	251
8	>gga-miR-1659 MIMAT0007540	CCUCGCUGCAUCCCGGCGUA	20	22	501
9	UAGGGCAGAAUGAAGGAGUCCCU	UGCACUUGAAUGGAGUUCUGGG	22	23	257
10	>gga-miR-1728-5p MIMAT0007627	AAUCAGAACGUGCUGUGAGCU	21	24	65
11	UGGUUGAUCCAUUGGAAGACUGA	GGCAGGAGGGAAGCAGAGCUUAGA	24	25	29
12	>gga-miR-1c MIMAT0007503	UUCGAUGCUUGUAUGCUACUCC	22	26	7
13	UGGAAUGGAAAGCAGUAUGUAU	AGGCUGAGGCUGUGCUGGUUGU	22	27	1
14	>gga-miR-12288-3p MIMAT0050077	CAGUAAGCAGUCUAGAGCCAAG	22	28	3
15	CCUCGCUGCAUCCCGGCGUA	AGAGGCAUUUCACAGCGUAACA	22	總計	1232
16	>gga-miR-1747-5p MIMAT0007652	UGAGAGACCACAUACAGCUUUGAAA	25		
17	UGCACUUGAAUGGAGUUCUGGG	UGAUAUGUUUGAUAUAUUAGGU	22		
18	>gga-miR-6585-5p MIMAT0025676	UUGAACUGUUAAGAACCACUGC	22		
19	AAUCAGAACGUGCUGUGAGCU	CCAGUAUUGCAUUGCUGCUUUA	22		
20	>gga-miR-1762 MIMAT0007669	ACGGGCGGGUGGGCGCGGU	19		
21	GGCAGGAGGGAAGCAGAGCUUAGA	GGGUCGGGCGCGGUGCUGCACUG	23		
22	>gga-miR-1559-5p MIMAT0007416	CUAGCUGCUCUGCACUGACUG	21		
23	UUCGAUGCUUGUAUGCUACUCC	UAACAUGAUGUCAGGAUUUCCC	22		
24	>gga-miR-1609 MIMAT0007475	UGGAGGAGGGAGCAGGAAUAU	21		
25	AGGCUGAGGCUGUGCUGGUUGU	AAUCGUCGUUCGGGAUCCGC	20		
26	>gga-miR-132c-3p MIMAT0049957	UGCUGGAUCCAGUGACACUUCA	22		
27	CAGUAAGCAGUCUAGAGCCAAG	UCCCAGUGGAGCUCUGCAAGGAC	23		
28	>gga-miR-6579-3p MIMAT0025666	AAGCAACGAGAGGUCGGUCUGA	22		
29	AGAGGCAUUUCACAGCGUAACA	UCUCAGCUACAUCGGUGUAAAUC	23		
30	>gga-miR-6571-3p MIMAT0025650	UUUAGUAGUUGAUAGGUGUGUUUGGA	26		

在 ath 中，miRNA 長度分布為：

	A	G	H	J	K
1	ath	seq	length		
2	>ath-miR173-5p MIMAT0000206	UUCGCUUGCAGAGAGAAAUCAC	22	列標籤	計數 - length
3	UUCGCUUGCAGAGAGAAAUCAC	CUGAAGUGUUUGGGGGAACUC	21	19	1
4	>ath-miR395a MIMAT0000938	UGAGAAGAAGAAGAAGAAAA	20	20	38
5	CUGAAGUGUUUGGGGGAACUC	GCUCUCUAUACUUCUGUCACC	21	21	325
6	>ath-miR5021 MIMAT0020525	GAUCAUGUUCGCAGUUUCACC	21	22	48
7	UGAGAAGAAGAAGAAGAAAA	UUAGGCUAAGAUUUGUGAAGA	21	23	5
8	>ath-miR157c-3p MIMAT0031872	GCUCACUGCUCUUUCUGUCAGA	22	24	11
9	GCUCUCUAUACUUCUGUCACC	AUACCAAAACUCUCUCACUUU	21	總計	428
10	>ath-miR167a-3p MIMAT0031883	UGAUUGGAAAUUUCGUUGACU	21		
11	GAUCAUGUUCGCAGUUUCACC	UCUCGCGCUUGUACGGCUUU	20		
12	>ath-miR1888b MIMAT0022436	UGGCAGGAAAGACAUAAUUUU	21		
13	UUAGGCUAAGAUUUGUGAAGA	AUCCUCGGGAUACAGUUUACC	21		
14	>ath-miR156a-3p MIMAT0031865	UCCGGCAAGUUGACCUUGGCU	21		
15	GCUCACUGCUCUUUCUGUCAGA	AAGAACAUCAAAUUAGAAUGU	21		
16	>ath-miR5638a MIMAT0022398	GGCAAGUUGUCCUUCGGCUACA	22		
17	AUACCAAAACUCUCUCACUUU	UCCCAAAUGUAGACAAAGCA	20		
18	>ath-miR779.2 MIMAT0004329	UUGGUGGACAAGAUCUGGGAU	21		
19	UGAUUGGAAAUUUCGUUGACU	ACACUUAGUUUUGUACAACAU	21		
20	>ath-miR5642a MIMAT0022403	UCAUUGAGUGCAUCGUUGAUG	21		
21	UCUCGCGCUUGUACGGCUUU	UCUUCUCCAAAUAGUUUAGGUU	22		
22	>ath-miR5631 MIMAT0022390	UCUAAGUCUUCUAUUGAUGUU	21		
23	UGGCAGGAAAGACAUAAUUUU	AUGAUGAUGAUGAUGAUGAAA	21		
24	>ath-miR2111b-3p MIMAT0011153	UGGAAGAAGGUGAGACUUGCA	21		
25	AUCCUCGGGAUACAGUUUACC	AGGUGCUGAGUGUGCUAGUGC	21		
26	>ath-miR169g-3p MIMAT0000912	UCUUCACUAUUAGACGGACAA	21		
27	UCCGGCAAGUUGACCUUGGCU	UUCCACAGCUUUCUUGAACUU	21		
28	>ath-miR870-5p MIMAT0032025	UCGGACCAGGCUUCAUUCCCC	21		
29	AAGAACAUCAAAUUAGAAUGU	UUUGUUAUUUUCGCAUGCUCC	21		
30	>ath-miR169b-3p MIMAT0031897	UGAGCCUCUGUGGUAGCCCUCA	22		