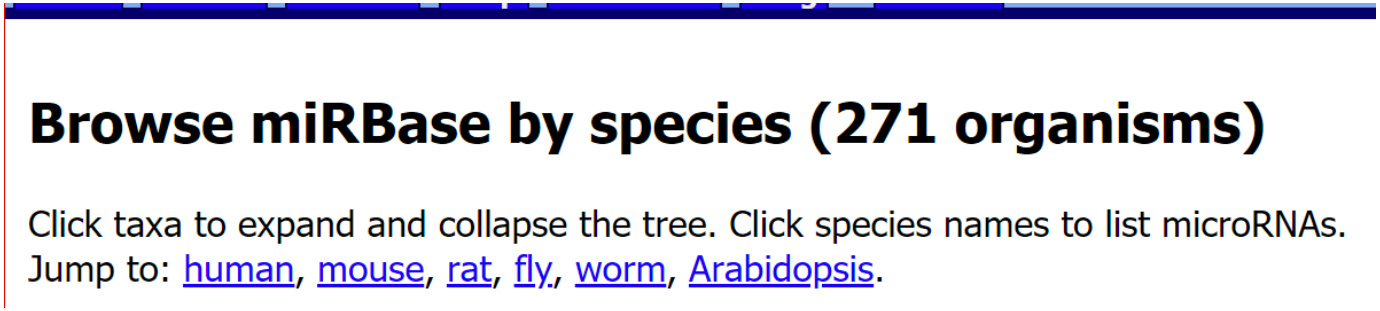
高通量定序
黃柏榕老師部分

HST02-M0701103

張瑞桓

Q1: miRbase : How many species?

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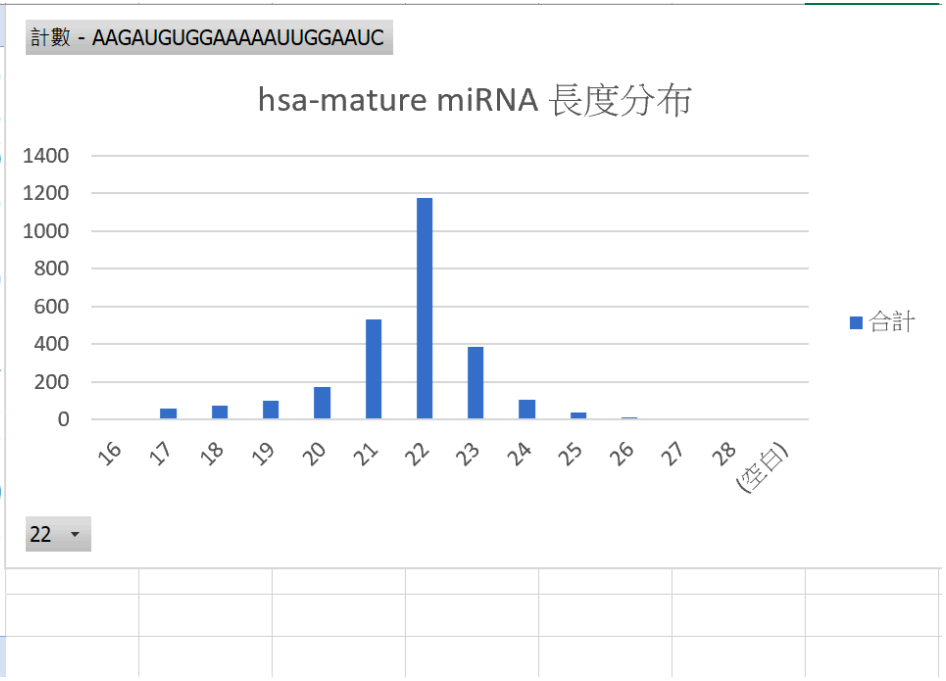
根據官方網站資料顯示:一共收錄了271個物種的資料!

Q2 : Mature miRNA length distribution by species?(hsa, mmu, gga, plant)

Q2: Mature miRNA length distribution by species?(hsa, mmu, gga, plant)

Ans 1 : hsa mature miRNA length distribution 如下圖:

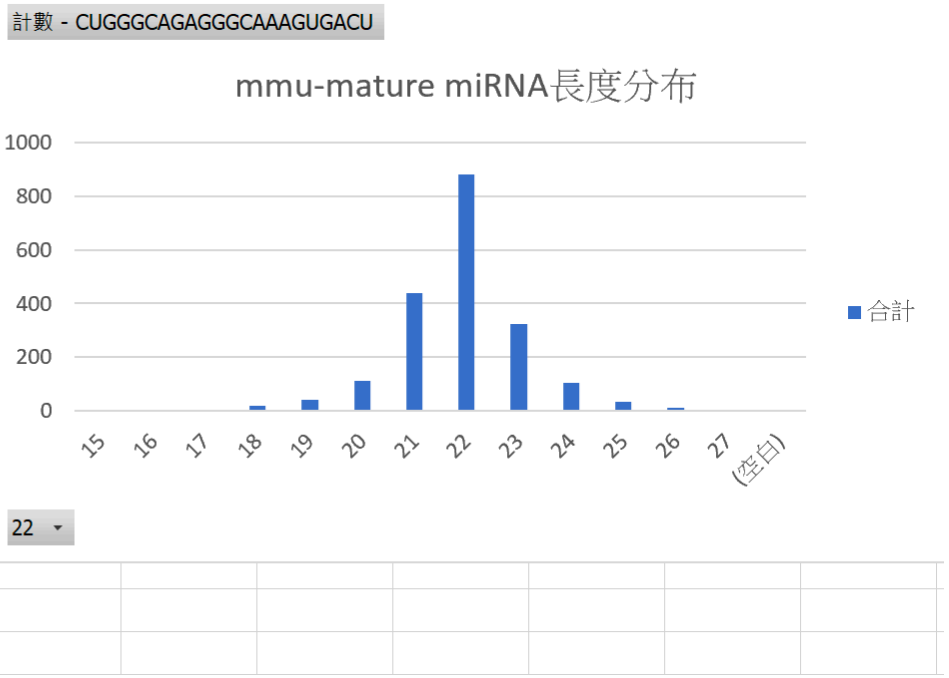
列標籤	計數 - AAGAUGUGGAAAAAUUGGAAUC
16	8
17	58
18	76
19	98
20	171
21	529
22	1175
23	384
24	103
25	37
26	10
27	3
28	1
(空白)	
總計	2653



Q2: Mature miRNA length distribution by species?(hsa, mmu, gga, plant)

Ans 2 : mmu mature miRNA length distribution 如下圖:

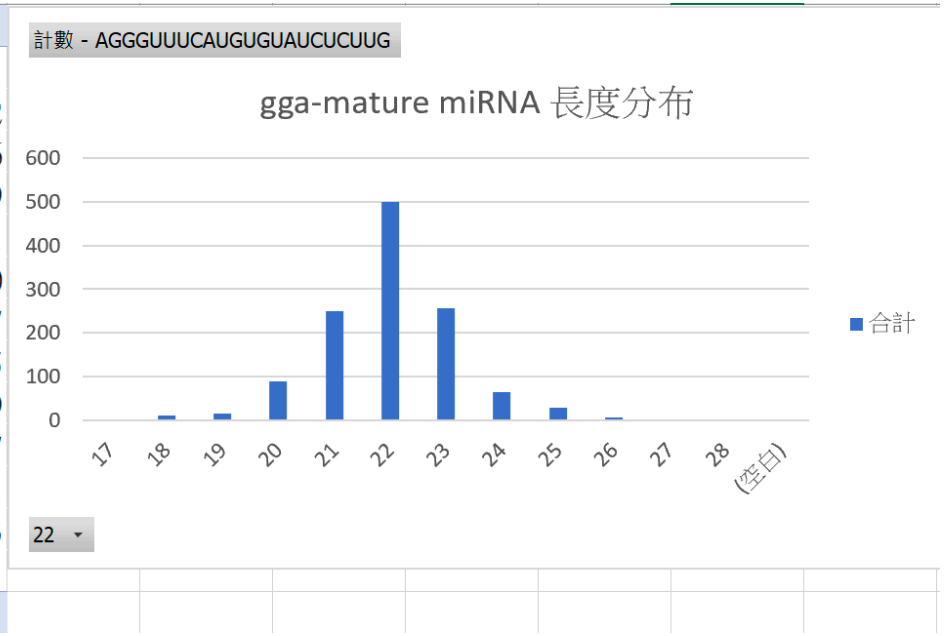
列標籤	計數 - CUGGGCAGAGGGCAAAGUGACU
15	1
16	1
17	5
18	18
19	41
20	113
21	437
22	880
23	324
24	105
25	35
26	13
27	4
(空白)	
總計	1977



Q2: Mature miRNA length distribution by species?(hsa, mmu, gga, plant)

Ans 3 : gga mature miRNA length distribution 如下圖:

列標籤	計數 - AGGGUUUCAUGUGUAUCUCUUG
17	1
18	12
19	16
20	89
21	251
22	500
23	257
24	65
25	29
26	7
27	1
28	3
(空白)	
總計	1231



Q2: Mature miRNA length distribution by species?(hsa, mmu, gga, plant)

Ans 4 : 由於植物種類眾多，故以植物的模式生物：阿拉伯芥作答
ath mature miRNA length distribution 如下圖:

列標籤	計數 - UUCGCUUGCAGAGAGAAAUCAC
19	1
20	38
21	325
22	47
23	5
24	11
(空白)	
總計	427

