

Table S3 – The total potential number of miRNA-gene pairs obtained by tallying different prediction algorithms and experimentally validated data sources.

# of miRNA-gene pairs identified by 7 algorithms and 1 integrated validation database^a	# of potential miRNA-gene pairs (%)		Cumulative percentage of miRNA-gene pairs
8	49	(0.002%)	0.002%
7	1,055	(0.050%)	0.052%
6	7,801	(0.366%)	0.418%
5	21,204	(0.996%)	1.415%
4	40,377	(1.897%)	3.311%
3	120,605	(5.666%)	8.978%
2	341,716	(16.054%)	25.031%
1	1,595,744	(74.969%)	100.000%
TOTAL	2,128,551	(100.00%)^b	--

^a two experimental validated data sources, TarBase and miRecords, were integrated into one database

^b a total of 2,128,551 miRNA-gene pairs were included in miRSystem.