| miRNAid | miRNAname | geneID | geneName | geneType | chromosome | narrowStart | narrowEnd | broadStart | broadEnd | strand | clipExpNu | degraExpN | RBP | PITA | RNA22 | miRmap | microT | miRanda | PicTar | TargetScan | pancancerNum | pancancerNum |
|---------|-----------|--------|----------|----------|------------|-------------|----------|------------|----------|---------|----------|-----------|-------|------|------|-------|-------|--------|--------|--------|-----------|-------------|-------------|
| MIMAT0016870 | hsa-miR-4319 | ENSG00000198952 | SMG5 | protein_coding | chr1 | 156219322 | 156219328 | 156219321 | 156219349 | -5 | 5 AGO1,AGO1-4,AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000198952 | SMG5 | protein_coding | chr1 | 156219771 | 156219799 | 156219771 | 156219799 | -1 | 0 AGO1-4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000198952 | SMG5 | protein_coding | chr1 | 156244448 | 156244476 | 156244448 | 156244476 | -2 | 0 AGO1-4,AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000156521 | TYSND1 | protein_coding | chr10 | 71899023 | 71899030 | 71899023 | 71899051 | -5 | 6 AGO1-4,AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000156521 | TYSND1 | protein_coding | chr10 | 71899592 | 71899620 | 71899592 | 71899620 | -2 | 0 AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000156521 | TYSND1 | protein_coding | chr10 | 71899732 | 71899760 | 71899732 | 71899760 | -1 | 0 AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000167566 | NCKAP5L | protein_coding | chr12 | 50185422 | 50185429 | 50185422 | 50185450 | -1 | 3 AGO1-4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000167566 | NCKAP5L | protein_coding | chr12 | 50185625 | 50185653 | 50185625 | 50185653 | -2 | 0 AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000167566 | NCKAP5L | protein_coding | chr12 | 50190305 | 50190333 | 50190305 | 50190333 | -4 | 0 AGO1-4,AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000138867 | GUCD1 | protein_coding | chr22 | 24936610 | 24936615 | 24936609 | 24936637 | -3 | 4 AGO1-4,AGO2,AGO3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000138867 | GUCD1 | protein_coding | chr22 | 24936773 | 24936801 | 24936773 | 24936801 | -1 | 0 AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000138867 | GUCD1 | protein_coding | chr22 | 24940009 | 24940037 | 24940009 | 24940037 | -4 | 0 AGO1-4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000071127 | WDR1 | protein_coding | chr4 | 10076647 | 10076675 | 10076647 | 10076675 | -2 | 0 AGO1-4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000071127 | WDR1 | protein_coding | chr4 | 10076963 | 10076969 | 10076963 | 10076969 | -12 | 4 AGO1-4,AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000156709 | AIFM1 | protein_coding | chrX | 129264006 | 129264012 | 129264006 | 129264012 | -5 | 6 AGO1-4,AGO2,AGO3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000156709 | AIFM1 | protein_coding | chrX | 129283489 | 129283517 | 129283489 | 129283517 | -1 | 0 AGO1-4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000156709 | AIFM1 | protein_coding | chrX | 129293667 | 129293695 | 129293667 | 129293695 | -2 | 0 AGO1-4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000156709 | AIFM1 | protein_coding | chrX | 129293862 | 129293890 | 129293862 | 129293890 | -12 | 4 AGO1-4,AGO2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MIMAT0016870 | hsa-miR-4319 | ENSG00000156709 | AIFM1 | protein_coding | chrX | 129294409 | 129294437 | 129294409 | 129294437 | -1 | 0 AGO1-4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

Supplementary table 3: The mRNA targets of miR-4319 selected through starBase.