

Supplementary materials

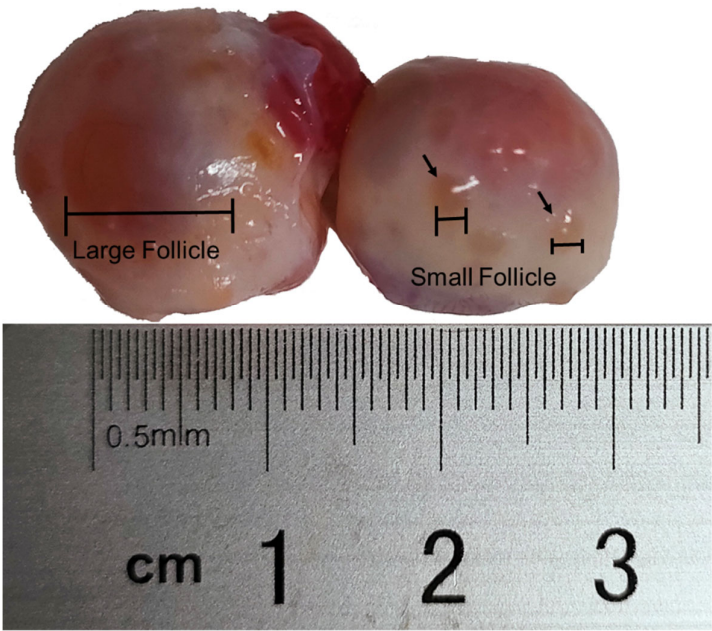


Figure S1. Small or large follicles selected from goat ovaries. Small follicles < 3 mm and large follicles > 5 mm in diameter.

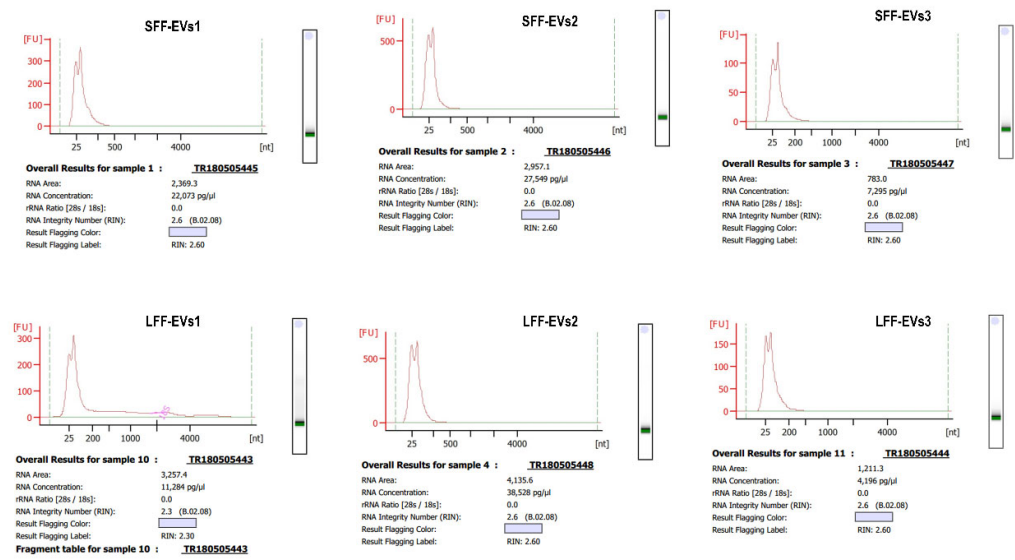


Figure S2 The length distribution and quality test of small RNAs in EVs

**Table S1. The Summary of sRNA data output and filter**

Sample	SFF			LFF		
	SFF-EVs1	SFF-EVs2	SFF-EVs3	LFF-EVs1	LFF-EVs2	LFF-EVs3
Raw Reads	13684470	14524981	13746996	15822734	13377814	14095802
Bases	0.684G	0.726G	0.687G	0.791G	0.669G	0.705G
Error rate	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
Q20	98.18%	98.08%	97.58%	98.15%	97.79%	98.07%
Q30	95.83%	95.61%	94.58%	95.83%	95.08%	95.60%
GC content	52.39%	53.09%	54.38%	51.61%	52.50%	51.96%
N% > 10%	96	91	99	98	101	106
low quality	207247	236906	231421	233710	168902	224510
	(1.51%)	(1.63%)	(1.68%)	(1.48%)	(1.26%)	(1.59%)
5 adapter	1885	3700	9424	952	1465	1713
contaminate	(0.01%)	(0.03%)	(0.07%)	(0.01%)	(0.01%)	(0.01%)
3 adapter null or	317022	1261551	1200198	496030	520645	433209
insert null	(2.32%)	(8.69%)	(8.73%)	(3.13%)	(3.89%)	(3.07%)
with	1447	4234	7374	2268	3246	2289
polyA/T/G/C	(0.01%)	(0.03%)	(0.05%)	(0.01%)	(0.02%)	(0.02%)
clean reads	13156773	13018499	12298480	15089676	12683455	13433975
	(96.14%)	(89.63%)	(89.46%)	(95.37%)	(94.81%)	(95.30%)

**Table S2. The miRNA primers sequences were used in this study**

	miRNAs	Primer sequences (5'-3')
Stem-loop RT primers	>chi-miR-202-5p	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATACGACAAAGAA
	>chi-miR-424-5p	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATACGACTCAAAA
	>chi-miR-25-3p	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATACGACTCAGAC
	>chi-miR-22-3p	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATACGACGTTCTT
	>chi-miR-126-3p	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATACGACGCATTA
	>chi-miR-26a-5p	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATACGACAGCCTA
	>chi-miR-191-5p	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATACGACAGCTGC
	Cel-miRNA-39	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATACGACCAAGCT
qPCR primers	qPCR>miR-202-5p	GCGGGCTTCCTATGCATATACT
	qPCR>miR-424-5p	GCGGGCCAGCAGCAATTCATGT
	qPCR>miR-25-3p	TGCCCCGATTGCACTTGTCTC
	qPCR>miR-22-3p	ACGGGCAAGCTGCCAGTTGAA
	qPCR>miR-126-3p	CGGGCTCGTACCGTGAGTAATA
	qPCR>miR-26a-5p	GCGGGCTTCAAGTAATCCAGGA
	qPCR>miR-191-5p	GGGCAACGGAATCCCAAAA
	Cel-miRNA-39	TCACCGGGTGTAATCAGCT
	UR R	CAGTGCAGGGTCCGAGGT