

Table S1 Primer sequences of RT-qPCR

Primer	Sequence 5'→3'
Gene	
Stat3 F	ATCTTTGGGCAATCTGGGCA
Stat3 R	CTTCTGCTCTCAGCCCCATC
Cd28 F	TTCTCAGTTCAAGTAACAGAAAACA
Cd28 R	AGGCTGACCTCGTTGCTATC
Gsk3b F	AGGAAGGAAAAGGTGATTCAAGA
Gsk3b R	TGCTGCCATCTTTATCTCTGCT
Nr1h3 F	CAGTAGGAAGGACCCCTTGG
Nr1h3 R	AAGAACTGTCCTGGCCTT
Il18 F	TACAAGCATCCAGGCACAGC
Il18 R	CTGATGCTGGAGGTTGCAGA
Il10rb F	CTTCTGGTGCCAGCTCTAGG
Il10rb R	TCGTTTTGGGAAAGCAGGT
Socs3 F	ACGGCTGCCAACATCTGG
Socs3 R	GCATCCCGGGGAGCTAGT
Gapgh F	AGGTTGTCTCCTGCGACTTCA
Gapgh R	TACCCATAAACCCACCAC
STAT1 F	TCTGCCGGAGAAACAGTTGG
STAT1 R	AGGTACCGTGTGTCAAGCTG
MAPK14 F	TTATGCGTCTGACAGGAACACC
MAPK14 R	AGTCGACAGCCAGGGGATTG
RUNX1 F	GGTTTCGACGCGTGGTAAAA
RUNX1 R	GCACTGTGGGTACGAAGGAA
CSF1R F	TGCGGCCAGGCTAAAAGGG
CSF1R R	GGCTGTTTGTCTTGTTCCTCTT
FOS F	GGGGCAAGGTGGAACAGTTA
FOS R	AGTTGGTCTGTCTCCGCTTG
SPI1 F	TCCTGAGGGGCTCTGCATTG
SPI1 R	AGGTCTTCTGATGGCTGAGGG
IL18 F	AAGATGGCTGCTGAACCAGT
IL18 R	TCTGATTCCAGGTTTTCATCATCT
IL10R F	AAGTGGCGCTCCTGAGGTAT
IL10R R	GGTCACTGCGGTAAGGTCAT
SOCS3 F	GCTCCTTTGTGGACTTCACG
SOCS3 R	CCCGAATCGAAGTCTCCGTC
ACTB F	GGACTTCGAGCAAGAGATGG
ACTB R	AGCACTGTGTTGGCGTACAG
miRNA	
mmu-miR-106a-5p F	CGCCGAGCAAAGTGCTAACA
mmu-miR-106a-5p RT	GTCGTATCCAGTGCGTGTCTGGAGTCGGCAATTGCACTGGATACGACCTACCT
mmu-miR-155-5p F	CGCCGAGTTAATGCTAATTG
mmu-miR-155-5p RT	GTCGTATCCAGTGCGTGTCTGGAGTCGGCAATTGCACTGGATACGACACCCCT
hsa-miR-106a-5p F	CGCCGAGAAAAGTGCTAACA
hsa-miR-106a-5p RT	GTCGTATCCAGTGCGTGTCTGGAGTCGGCAATTGCACTGGATACGACCTACCT
hsa-miR-155-5p F	CGCCGAGTTAATGCTAATTG
hsa-miR-155-5p RT	GTCGTATCCAGTGCGTGTCTGGAGTCGGCAATTGCACTGGATACGACAACCCCT
U6 F	CTCGCTTCGGCAGCACA
U6 RT	AACGCTTCACGAATTTGCGT
Universal R	CAGTGCGTGTCTGGAGT

**Table S2** Sequencing data information of RNA-seq in PNA mice compared with the control mice

Sample	Total clean reads	Mapped reads	Mapped ratio	Unique mapped reads	Unique mapped ratio
P1	23501545	16529681	70.34%	15490986	65.91%
P2	31747833	21611959	68.07%	20310150	63.97%
P4	23361862	15079981	64.55%	14271278	61.09%
P-mean	26203747	17740540	67.65%	16690804.67	63.66%
C1	30726196	21023286	68.42%	19933938	64.88%
C4	18373080	13016258	70.84%	12263718	66.75%
C-mean	24549638	17019772	69.63%	16098828	65.82%

PNA, prenatally androgenized.

**Table S3** Sequencing data information of miRNA-seq in PNA mice compared with the control mice

Sample	Total clean reads	Mapping ratio of mature miRNA			
		Mapped reads	Mapped ratio	Unique mapped reads	Unique mapped ratio
P1	15504772	6573625	42.39%	2467580	15.91%
P2	17271763	6851502	39.66%	2503535	14.49%
P3	10049532	4886138	48.62%	1545411	15.38%
P4	14250703	8664866	60.80%	3758167	26.37%
P-mean	14269193	6744033	47.66%	2568673	20.54%
C2	10273792	5176801	50.38%	2617114	25.47%
C3	13697931	5313779	38.79%	2110534	15.41%
C6	7447955	5069099	26.13%	654476	8.45%
C-mean	11422218	5575928	38.43%	1987699	16.44%

PNA, prenatally androgenized.

**Table S4** Differentially expressed miRNAs in PNA mice compared with the control mice

miRNA	logFC	logCPM	LR	P value	FDR
mmu-miR-5100	-5.365445964	0.262207305	15.62876477	0.000077073	0.017880982
mmu-miR-184-3p	-2.163505579	3.971215579	10.10915882	0.001475343	0.228186364
mmu-miR-486a-5p	1.487138295	5.483623665	8.287379125	0.003992157	0.37344364
mmu-miR-486b-3p	1.487142721	5.483623665	8.272873274	0.004024177	0.37344364
mmu-miR-5121	-1.791298309	2.75279053	7.941968578	0.004830126	0.373529757
mmu-miR-451a	1.422733915	7.510176789	7.584771944	0.005886341	0.390180319
mmu-miR-130a-3p	-1.353736584	9.231294641	7.053284482	0.007912004	0.440400025
mmu-miR-677-5p	-1.63828883	3.677321457	6.857573796	0.008826632	0.440400025
mmu-miR-127-3p	1.198140538	11.55112459	6.727946668	0.00949138	0.440400025
mmu-miR-155-5p	-1.148743107	4.171982512	5.962855006	0.014610364	0.508828416
mmu-miR-106a-5p	-1.714259453	0.932564361	5.917072117	0.014994856	0.508828416
mmu-miR-3068-3p	-1.119567509	4.824476871	5.875549382	0.015352582	0.508828416
mmu-miR-425-3p	-1.677175406	3.286612848	5.736437283	0.016616464	0.513128298
mmu-miR-467d-5p	1.616936293	1.23981623	5.626187002	0.017694079	0.513128298
mmu-miR-128-1-5p	1.040296733	3.191899368	4.643657264	0.031168512	0.850717024
mmu-miR-431-5p	1.401225373	4.337566127	4.307541032	0.03794377	0.880295469

PNA, prenatally androgenized.