

**Supplementary Table 7. Differential gene expression between *Nnt*^{+/+} and *Nnt*^{BAC} :
Genes downregulated in *Nnt*^{BAC}**

Gene Symbol	p-value	Fold Change	Gene Description
Wdfy1	0.0000 0	2.54	Wdfy1 - WD repeat and FYVE domain containing 1
RP24-378G4.3	0.0000 4	2.34	predicted gene 43305, known TEC
Cml5	0.0005 5	2.15	Cml5 - camello-like 5; May play a role in regulation of gastrulation
Nat8	0.0004 4	2.04	Nat8 - N-acetyltransferase 8 (GCN5-related, putative); Plays a role in regulation of gastrulation
Ppl	0.0001 5	1.85	Ppl - periplakin; Component of the cornified envelope of keratinocytes. May link the cornified envelope to desmosomes and intermediate filaments. May act as a localization signal in PKB/AKT-mediated signaling
Rmrp	0.0227 2	1.81	RNA component of mitochondrial RNA processing endoribonuclease
RP23-338P12.2	0.0287 5	1.80	RIKEN cDNA 7330423F06
Gm26547	0.0031 9	1.76	Predicted gene, 26547
Malat1	0.0062 2	1.73	Metastasis associated lung adenocarcinoma transcript 1
RP24-230J14.5	0.0001 3	1.72	Predicted gene 42427
Gm17275	0.0101 5	1.71	Predicted gene, 17275
Trank1	0.0026 4	1.70	Trank1 - tetratricopeptide repeat and ankyrin repeat containing 1
Gm26880	0.0001 1	1.69	predicted gene, 26880 known lincRNA
Cep85	0.0003 3	1.64	Ccdc21 - coiled-coil domain containing 21
Raph1	0.0040 6	1.60	Raph1 - Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
AA986860	0.0002 8	1.59	AA986860 - expressed sequence AA986860; Putative androgen-specific receptor (By similarity)
A330023F24Rik	0.0048 1	1.58	RIKEN cDNA A330023F24 gene
Prrg4	0.0440 3	1.54	Prrg4 - proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane)
Pfkfb2	0.0025 5	1.53	Pfkfb2 - 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2; Synthesis and degradation of fructose 2,6-bisphosphate
Susd3	0.0221 8	1.51	Susd3 - sushi domain containing 3
Sema5b	0.0360 5	1.51	Sema5b - sema domain, seven thrombospondin repeats (type 1 and type 1-

			like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B; May act as positive axonal guidance cues
Gm28382	0.0411 2	1.50	predicted gene 28382 known lincRNA