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GAS1	-0.0002406
NAA40	-0.0002385
GRIPAP1	-0.0002366

SH3BP2	0.00023588
TBC1D9B	-0.0002314
HS3ST1	0.00022878
DHRX	0.00022668
LYPLA1	0.00022618
STAM2	0.00022244
UBE3C	0.00022139
TMEM165	-0.000221
FAM109B	-0.0002173
PSMD3	0.00021091
SRGAP2	0.00020976
LMAN1	-0.0002089
MAPRE2	-0.0002089
ANKMY2	-0.0002086
PK3	0.00020644
SNAPC3	-0.0002033
KPNA1	0.00020235
GNG10	0.00019946
CCNC	0.00019695
DTX3	0.00019651
CCDC125	0.00019616
SEC62	0.00019604
PARP11	0.0001942
TRIM37	0.0001921
CCDC88C	0.00019056
TRPC3	0.00018933
DOC2A	0.00018932
NUP210L	0.00018858
DMWD	0.00018714
HEXB	-0.0001865
MTR	-0.000183
PION	-0.0001828
ATAD1	-0.0001817
FIZ1	-0.00018
SLC38A9	0.00017757
CRYBG3	0.00017642
WDR11	0.00017422
MTF2	0.00017383
LIN37	0.00017302
KLHL20	-0.000171
SDCBP	-0.0001694
SIRT5	-0.0001689

RCN1	0.00016889
TMEM9B	-0.0001662
MED19	-0.0001654
SLC25A46	-0.0001614
SLIT3	0.00015708
PMPCA	0.00015403
PLCD4	-0.0001536
TMEM123	0.00015242
RGS19	-0.0001506
GDPD2	-0.0001502
HDX	-0.0001496
LRP5	-0.0001474
BACH1	0.00014653
DOCK6	-0.0001451
NID2	-0.0001434
EIF3A	-0.0001413
TNS1	0.0001403
RNF219	0.00013934
SLC25A16	0.0001373
SEC24A	0.00013552
ITCH	0.0001316
NHLRC1	0.00013105
CPT2	-0.0001305
STK25	-0.0001296
SHF	-0.0001295
CLASP2	0.00012696
RFX3	-0.0001258
IFT57	0.00012513
XPC	0.00012457
GGCT	0.00012145
KBTBD2	-0.0001206
SOX17	0.00011883
CENPP	0.00011764
TAB3	0.00011698
BCLAF1	-0.0001112
MEAF6	-0.0001083
NAA35	-0.000105
USO1	-0.0001017
FBXO38	9.66E-05
NEK6	-9.55E-05
ADAMTS2	-9.08E-05
FAM3C	-9.07E-05

ARL2BP	8.92E-05
E2F6	-8.51E-05
CYB5R3	8.36E-05
GGPS1	7.97E-05
SPATA5	-7.96E-05
AVL9	7.79E-05
VPS18	-7.75E-05
ATP11C	-7.65E-05
CENPT	7.56E-05
TMEM194B	7.48E-05
BRD7	-7.20E-05
VPS39	7.17E-05
ACOT8	7.06E-05
SNTB2	7.03E-05
RMI1	-6.99E-05
CCRN4L	6.98E-05
HMG20A	-6.86E-05
ATP6V1G1	-6.73E-05
GOLPH3	6.68E-05
TMED5	6.65E-05
SUPT3H	-6.57E-05
PARP6	6.42E-05
SLC1A3	-6.20E-05
WRN	-5.98E-05
KIF21B	5.95E-05
COPB2	5.92E-05
JMJD8	-5.90E-05
SRP72	-5.87E-05
MBD6	-5.75E-05
ACTR10	-5.61E-05
KAT5	-5.36E-05
CBX1	-5.36E-05
PDE4DIP	5.36E-05
SRPR	-5.16E-05
NDRG3	-4.78E-05
DYNC2LI1	4.74E-05
NFYB	-4.54E-05
MXRA8	4.48E-05
ESAM	-4.33E-05
CSDE1	4.32E-05
MAP2K2	4.17E-05
BMP2K	-4.03E-05

TMCO3	-3.64E-05
GAMT	3.51E-05
CDC26	-3.45E-05
SOCS7	-3.43E-05
NUDC	-3.42E-05
COMMD9	3.21E-05
MND1	3.00E-05
TM2D3	2.99E-05
SWI5	2.93E-05
IKBKG	2.81E-05
PPM1M	-2.50E-05
PHOSPHO2	-2.47E-05
PSMD5	-2.42E-05
ABCD4	2.41E-05
AEBP2	-1.90E-05
GOT2	-1.85E-05
TRIM28	-1.78E-05
GBE1	-1.71E-05
BET1	-1.00E-05
IRAK1	-9.33E-06
BCAT2	8.71E-06
LRRC3B	-8.41E-06
SNX10	8.14E-06
GPHN	6.37E-06
GSTP1	-5.09E-06
GABPA	3.80E-06
CAMK1G	3.20E-06
OTUD5	2.44E-06
CCDC130	2.13E-06
PTER	-1.72E-06
FUT10	8.79E-07
CCNT2	-7.00E-07
PKNOX1	-3.94E-07
STARD3NL	3.21E-07

Supplementary Table 1. List of orthologous genes between mouse and anole employed for GO-term analysis. Genes are ordered according to their absolute loading value from principal component analysis (see Fig. 3e), for principal component 2 (PC2), and top 500 genes (in bold, see Fig. 3f) were used for GO-term enrichment analysis.