
Table S2. Androgen-responsive genes from ARGDB³⁸

Androgen-responsive gene

ACO2
AP1B1
APOBEC3B
ARFGAP3
ARVCF
ATP6V1E1
ATXN10
CELSR1
CHCHD10
CLDN5
CPT1B
CRELD2
DDT
DGCR11
FAM118A
FBLN1
FBXO7
GAL3ST1
GAS2L1
GCAT
GGT1
GSTT1
GSTT2
H1F0
HMOX1
KDEL3
LGALS1
MAPK1
MB
MCHR1
MCM5
MFNG
MGAT3
MIF
MKL1

MMP11
MN1
MPST
NF2
NHP2L1
PACSIN2
PATZ1
PISD
PMM1
PPARA
PRAME
PRR5
PVALB
RBX1
RIBC2
RPL3
RRP7A
SEC14L2
SERHL2
SFI1
SLC25A1
SREBF2
ST13
SYNGR1
TIMP3
TNRC6B
TRABD
TSPO
TST
TTLL12
TUBGCP6
TUG1
UFD1L
XBP1
YPEL1
YWHAH
ZMAT5

ABCG1
ADAMTS1
ADAMTS5
ADARB1
AGPAT3
APP
ATP5O
BRWD1
BTG3
CBR1
CBS
CCT8
CLDN8
COL6A1
CSTB
DIP2A
DYRK1A
HSPA13
IL10RB
LSS
MORC3
MRPL39
MRPS6
NRIP1
PDE9A
PDXK
PFKL
PIGP
RIPK4
RUNX1
SIM2
SYNJ1
TFF1
TIAM1
TMEM50B
TMPRSS2
TRPM2

ACSS1
ACSS2
ADRA1D
ADRM1
AHCY
BCL2L1
BMP2
BMP7
CD40
CDC25B
CEBPB
CRLS1
CSNK2A1
CST11
CST3
CST8
CTSZ
CYP24A1
DNTTIP1
DUSP15
EDEM2
EEF1A2
ELMO2
EYA2
GDF5
GGTLC1
GNRH2
HRH3
ID1
IDH3B
JAG1
LAMA5
MACROD2
MAFB
MMP9
NCOA3
NFATC2

NNAT
PAK7
PCK1
PCNA
PDYN
PLCB1
PMEPA1
PRNP
PSMA7
PTGIS
PXMP4
PYGB
RIN2
RNF114
RPN2
RPS21
RRBP1
SAMHD1
SDC4
SEC23B
SLC12A5
SLPI
SMOX
SNAI1
SNAP25
SNPH
SNTA1
SPINT4
SPTLC3
TGM2
THBD
UBE2C
VAPB
WISP2
ZBP1
ACP5
ACPT

AKT2
ANGPTL4
AP2S1
APOC1
APOE
ATP1A3
ATP5D
BAX
BCAM
BCAT2
BST2
C3
CACNA1A
CALR
CAPNS1
CARD8
CCDC97
CCNE1
CD37
CEACAM1
CEBPA
CFD
CHAF1A
CHERP
CKM
CLEC11A
COL5A3
CRB3
CRLF1
CSNK1G2
CXCL17
CYP4F12
CYP4F8
DAPK3
DBP
DPF1
ECH1

EGLN2
EIF3K
ELSPBP1
ERF
ETFB
F2RL3
FAM32A
FARSA
FCER2
FCGRT
FPR1
FTL
FUT3
FUT6
FXVD3
GADD45B
GAMT
GDF15
GIPR
GPX4
GRWD1
GSK3A
HMG20B
HSD17B14
ICAM1
ICAM3
IFI30
INSR
ISYNA1
JAK3
JUNB
KCNN4
KLK10
KLK11
KLK13
KLK14
KLK15

KLK2
KLK3
KLK4
KLK6
KLK7
KLKP1
LDLR
LGALS7
LHB
LIPE
LRG1
LSM4
MAP3K10
MAP4K1
MYBPC2
NCAN
NDUFA7
NFIX
NUCB1
NUDT19
PDCD5
PDE4C
PEG3
PIN1
PLD3
PLEKHJ1
PPAP2C
PRKACA
PRMT1
PSMC4
PSMD8
PTBP1
PTOV1
RAB3A
RAB4B
RAD23A
RANBP3

RETN
RPL18A
RPL28
RPS28
RRAS
SCAF1
SCN1B
SEPW1
SGTA
SHANK1
SIN3B
SLC1A5
SLC25A23
SULT2A1
SYMPK
TBXA2R
TGFB1
TMED1
TMEM205
TNNT1
TNPO2
TRIM28
UBA52
USF2
VAV1
ZIK1
ZNF350
ZNF432
ZNF550
ZNF552
ZNF569
ZNF93
ADCYAP1
ATP5A1
B4GALT6
BCL2
CDH19

CDH2
CNDP2
COLEC12
CYB5A
DSC2
DSG2
GALR1
LIPG
LMAN1
LPIN2
MALT1
MAPRE2
MBP
NEDD4L
NPC1
PMAIP1
PTPRM
RNF125
ROCK1
SEC11C
SERPINB3
SERPINB4
SERPINB5
SIGLEC15
SMAD2
SMAD7
SMCHD1
SOCS6
SYT4
TXNL1
TYMS
VAPA
ABCA5
ABCC3
ACACA
ACADVL
ACBD4

ACE
ACLY
ADORA2B
AKAP1
AP2B1
APPBP2
ASGR1
ATP1B2
ATXN7L3
B3GNTL1
BAIAP2
BIRC5
BLMH
BRIP1
C17ORF80
CACNA1G
CACNG4
CCL16
CCL2
CCL3
CCL4
CCL5
CCL7
CDC6
CDK5R1
CLTC
CNP
COG1
COL1A1
COPS3
COX11
CPD
CRK
CSH2
CYB561
DDX5
DPH1

DUS1L
DYNLL2
EFNB3
EIF5A
EPN2
ERBB2
ERN1
FAM104A
FASN
FLOT2
FOXK2
FXR2
G6PC3
GALR2
GGNBP2
GOSR1
GPS1
GRN
HEATR6
HN1
HOXB13
HOXB2
HOXB6
HSD17B1
IGFBP4
INPP5K
JUP
KIF1C
KRT14
KRT15
KRT19
KRT37
LGALS3BP
LRRC59
MAFG
MAP2K4
MAPT

MIF4GD
MMD
MRPL27
MYH10
MYH2
MYH4
MYL4
MYO1C
NAGS
NCOR1
NME1
NME2
NOG
NPTX1
NR1D1
P2RX1
P4HB
PCTP
PDK2
PEMT
PFN1
PHB
PNMT
PPM1D
PSMB6
PSMC5
PSMD11
PYCR1
RARA
RASD1
RPL19
RPL27
RPRML
RPS6KB1
RUNDC3A
SIRT7
SLC16A3

SLC16A6
SLC25A10
SLC2A4
SLC35B1
SMTNL2
SOCS3
SOCS7
SOX9
SPHK1
SPNS2
SREBF1
ST6GALNAC2
STAT5A
SUPT6H
THRA
TIMP2
TLCD2
TNS4
TOB1
TOP2A
TP53
TRPV3
UBE2G1
UBTF
UNC119
WIPI1
WSB1
YWHAE
ZNHIT3
ABCC1
ACSM3
ADAMTS18
ALDOA
ARL6IP1
ATMIN
ATP2A1
BCAR1

BCKDK
BFAR
C16ORF3
CDH1
CDH3
CENPN
CES3
CFDP1
CREBBP
CRISPLD2
CX3CL1
CYB5B
CYLD
DNAH3
DPEP1
DPEP3
DYNC1LI2
EMP2
FBXL16
GCSH
GDE1
GOT2
GSPT1
HAGH
HCFC1R1
HERPUD1
HP
HSD11B2
HSD17B2
HSD3B7
IRX3
KIF22
KREMEN2
LITAF
MAF
MAPK3
MBTPS1

MC1R
MMP2
MT1X
MVD
NDUFB10
NQO1
NTAN1
NUDT16L1
NUTF2
OSGIN1
PAQR4
PDXDC1
PHKG2
PLLP
POLR2C
PRSS8
PSMB10
PYCARD
RBL2
RHBDF1
SLC7A5
SOX8
SULT1A1
SYT17
TAT
TCF25
TERF2IP
TGFB11
TMC5
TRAP1
TUBB3
UQCRC2
ZC3H7A
ZCCHC14
ABHD2
ACAN
ADAM10

AEN
AKAP13
ALDH1A2
ALDH1A3
ANXA2
AP3B2
AQP9
ARRDC4
B2M
C15ORF61
CA12
CATSPER2
CCNB2
CHAC1
CHRNA3
CHRNA5
CKMT1B
CORO2B
COX5A
CYP19A1
ETFA
FAM103A1
FAM174B
FES
FGF7
FURIN
GCHFR
GNB5
GRAMD2
GREM1
HERC1
HOMER2
IDH2
IGF1R
ISG20
LIPC
LPCAT4

LRRC28
MAN2A2
MAP2K1
MAPK6
MEF2A
MESP2
NEDD4
NMB
NOX5
NTRK3
PDIA3
PIAS1
PML
PPIB
PTPN9
RAB27A
RASGRP1
RCCD1
RHCG
SEMA4B
SLC12A1
SLC27A2
SLCO3A1
SMAD3
SMAD6
SNAPC5
SNX1
SORD
THBS1
TLE3
TSPAN3
ZFYVE19
ZNF770
ACOT1
ACTN1
ADAM20
AHSA1

AKAP5
AKAP6
ANG
AP1G2
AP4S1
ARG2
ATXN3
BMP4
BRF1
CALM1
CKB
CPNE6
DACT1
DAD1
DHRS7
DIO2
DLST
EIF2S1
EIF5
ERO1L
ESR2
EVL
FAM177A1
FNTB
FOS
GCH1
HSP90AA1
HSPA2
KIAA0247
LGALS3
LTB4R
MGAT2
MNAT1
MTA1
MTHFD1
NEDD8
NFKBIA

NID2
NPC2
PAX9
PELI2
PGF
PLEKHG3
PPM1A
PRKCH
PRKD1
PSEN1
PSMA3
PSMA6
PSMB5
PSME1
PTPN21
PYGL
RAB15
RDH11
REM2
RNASE9
RPS29
RTN1
SCFD1
SEL1L
SERPINA12
SERPINA5
SIPA1L1
STON2
SYNE2
TEP1
THTPA
TMED10
ZFP36L1
ABCC4
ADPRHL1
AKAP11
ALOX5AP

ATP11A
ATXN8OS
BRCA2
CCDC70
CDK8
COL4A1
DCLK1
DNAJC15
DNAJC3
EFNB2
EPSTI1
FARP1
FOXO1
FREM2
GAS6
GTF2F2
HSPH1
IRS2
ITM2B
LCP1
NDFIP2
NUPL1
PDS5B
POLR1D
POSTN
SPATA13
SUGT1
TM9SF2
TPP2
TPT1
TSC22D1
UBL3
UFM1
ZC3H13
ZIC2
A2M
A2ML1

ABCB9
ABCD2
ADIPOR2
ALDH2
AMIGO2
ANAPC5
AQP5
ARF3
ARHGDIB
ARL1
ARPC3
ASCL1
ATF7
ATP2A2
ATP2B1
ATP5B
ATP6V0A2
AVPR1A
B4GALNT1
BCAT1
BCL7A
BTG1
CACNA1C
CACNB3
CAMKK2
CCND2
CCT2
CD63
CD9
CDK2
CDK4
CDKN1B
CHD4
CHPT1
COPS7A
CPSF6
CUX2

DAZAP2
DCN
DNM1L
DTX3
DUSP6
ELK3
EMP1
ENO2
EPS8
EPYC
ERGIC2
ERP29
FAR2
FBXO21
FGD4
FKBP11
GAPDH
GNB3
GOLT1B
GPD1
GPRC5A
GRIP1
GTF2H3
GUCY2C
HOXC5
HOXC6
HSP90B1
IGF1
KCNA5
KIF21A
KLRD1
KRAS
KRT1
KRT18
KRT5
KRT6A
KRT71

KRT73
KRT8
LHX5
LIMA1
LRP1
LRP6
LTBR
LUM
MARS
MDM2
MED13L
MFAP5
MGP
MGST1
MPHOSPH9
MRPL51
MSRB3
MVK
MYBPC1
MYL2
NOC4L
NOS1
NR4A1
NUDT4
OAS2
OLR1
PA2G4
PAWR
PEX5
PHC1
PHLDA1
PPP1R12A
PRKAG1
PTGES3
PTHLH
PTPRO
PXMP2

RAB3IP
RAN
RAPGEF3
RARG
RASAL1
RASSF9
RND1
RPLP0
RPS26
SCARB1
SCNN1A
SENP1
SETD8
SHMT2
SLC16A7
SLC2A3
SLC38A1
SLC38A2
SLC38A4
SLCO1B1
SMARCD1
SOAT2
SOCS2
SP1
SPPL3
STRAP
SUOX
TBK1
TMED2
TMEM106C
TNFRSF1A
TPI1
TRAFD1
TSPAN8
TUBA1A
TUBA1B
UBC

ULK1
VDR
XPOT
YEATS4
ACAT1
ACTN3
ADM
AHNAK
AMOTL1
AP2A2
APOA1
ARCN1
ASRGL1
ATM
BANF1
BDNF
BIRC2
BIRC3
CASP12
CAT
CCND1
CD151
CD3E
CD44
CD5
CDK2AP2
CDKN1C
CFL1
CHRM1
CHST1
COPB1
COX8A
CPT1A
CRYAB
CSRP3
CST6
CTSC

CTSD
DDX6
DKK3
DRD4
DTX4
E2F8
EI24
EIF3M
ELF5
EML3
ENDOD1
EPS8L2
ESRRA
F2
FADD
FADS1
FAU
FDX1
FKBP2
FOLH1
FOLR2
FOSL1
FSHB
FTH1
FUT4
FZD4
GSTP1
H19
HBB
HRAS
HSD17B12
HSPA8
HYOU1
IFITM1
IFITM2
IFITM3
IGF2

IL18
IRF7
JRKL
KCNE3
LDHA
LYVE1
MAP3K11
MCAM
MDK
MICAL2
MMP1
MMP12
MMP3
MMP7
MTA2
MUC6
MYOD1
NAP1L4
NCAPD3
NDUFS3
NOX4
NUCB2
NUP160
OR8D4
PANX1
PCF11
PCNXL3
PDE3B
PEX16
PGA3
PGM2L1
PGR
PHLDA2
PICALM
PIK3C2A
PLA2G16
PLEKHA7

PLEKHB1
POLD4
PPP2R5B
PRDX5
PRSS23
PSMA1
PSMC3
PTPMT1
PTS
RAD9A
ROM1
RPLP2
RRM1
SCGB2A1
SCGB2A2
SDHD
SERPING1
SERPINH1
SLC17A6
SLC35F2
SLC37A2
SLC37A4
SLC3A2
SMPD1
SOX6
SPCS2
SPON1
SSRP1
ST5
STARD10
STIM1
STIP1
STT3A
SYTL2
TALDO1
TBRG1
TH

THRSP
THYN1
TIGD3
TMEM123
TNNI2
TNNT3
TRPM5
TSKU
TTC12
UCP2
UCP3
WNT11
YIF1A
ZBTB16
ZDHHC13
ABCC2
ABLIM1
ACADSB
ADD3
ADK
ADRA2A
AKR1C1
AKR1C2
AKR1C3
ANKRD1
ANXA7
AP3M1
ARID5B
ASB13
ATE1
BAG3
BAMBI
BMPR1A
BNIP3
CAMK2G
CASP7
CISD1

CPXM2
CREM
CUZD1
CYP17A1
DCLRE1A
DDIT4
DDX21
DKK1
DNMBP
DUSP5
EIF4EBP2
ELOVL3
ENTPD1
FAS
FGF8
FGFR2
FRAT1
GATA3
GLRX3
GLUD1
GOT1
GSTO1
HELLS
IDI1
IFIT1
INPP5A
ITGB1
JMJD1C
KIAA1217
KIF5B
LDB3
LIPA
MBL2
MGEA5
MINPP1
MSMB
MXI1

NCOA4
NET1
NRP1
OAT
P4HA1
PCBD1
PDLIM1
PDSS1
PFKFB3
PFKP
PGAM1
PHYH
PIK3AP1
PLAU
PLEKHA1
PNLIPRP1
PPA1
PSAP
PTEN
RBP4
RGS10
RPS24
RRP12
RSU1
SCD
SEC61A2
SFMBT2
SGMS1
SGPL1
SLC29A3
SVIL
TFAM
TIMM23
TM9SF3
USP54
VCL
VDAC2

ZDHHC6
ZEB1
ZMIZ1
ZWINT
ABCA1
ACO1
AGPAT2
AK3
ALDH1A1
ALG2
ANGPTL2
ANXA1
AQP3
ATP6V1G1
B4GALT1
BICD2
BNC2
CBWD1
CD274
CDC14B
CDKN2A
CHMP5
CLTA
CRAT
CTSL
DBH
DCTN3
DDX31
DNAJA1
DNM1
ENDOG
EPB41L4B
EXOSC2
GADD45G
GALT
GLDC
GNE

GOLM1
GSN
HEMGN
HSD17B3
HSDL2
HSPA5
IFNA1
IFNA13
INSL6
INVS
KLF4
LCN2
LPAR1
LRRC8A
MTAP
NANS
NFIB
NFIL3
NOTCH1
NPR2
NR4A3
NR6A1
OMD
ORM1
ORM2
PALM2-AKAP2
PAPPA
PDCL
PLAA
PMPCA
POLR1E
PPP6C
PSAT1
PSMD5
PTCH1
PTGDS
PTGR1

PTGS1
RAB14
RALGPS1
RFK
RGS3
RLN2
RMRP
RPL12
RRAGA
SEC61B
SLC1A1
SLC25A25
SLC27A4
SLC31A1
SLC44A1
SNAPC3
STOM
STXBP1
SURF4
SYK
TEK
TMEM141
TNC
TPM2
TRAF2
UBE2R2
UBQLN1
UCK1
UGCG
UNC13B
VCP
XPA
ZBTB26
ZBTB43
ZCCHC6
ZFAND5
ZNF189

ADAM7
ADAM9
ADCY8
ADHFE1
ADRA1A
ADRB3
AGPAT5
ANGPT1
ANK1
ASAH1
ASPH
ATAD2
ATP6V1B2
ATP6V1H
AZIN1
BNIP3L
BRF2
C8ORF76
CA2
CALB1
CCNE2
CEBPD
CLU
COX6C
CRH
CTSB
CYC1
CYP7B1
DEFB1
DGAT1
DOCK5
DPYSL2
DUSP4
EGR3
EIF4EBP1
ENPP2
EPHX2

EPPK1
FABP4
FABP5
FAM110B
FAM84B
FDFT1
FGFR1
FZD6
GNRH1
GPR20
GRINA
GSR
GTF2E2
INTS10
KCNU1
KCNV1
KHDRBS3
KLF10
LACTB2
LEPROTL1
LONRF1
LPL
LY6E
MATN2
MCM4
MMP16
MTMR9
MYC
MYOM2
NACAP1
NAT1
NAT2
NCALD
NCOA2
NDRG1
NDUFB9
NKX3-1

NUDT18
OSR2
PABPC1
PAG1
PLAT
PNOC
POLR3D
POP1
PPAPDC1B
PPP2CB
PPP2R2A
PSCA
PUF60
RAB11FIP1
RAB2A
RAD21
RAD54B
RECQL4
RIMS2
RPL30
RPL8
RPS20
SDCBP
SFRP1
SFTPC
SGK3
SNAI2
SPAG11B
SQLE
ST3GAL1
STAR
STK3
TCEB1
TERF1
TMEM65
TNFRSF11B
TPD52

TRAM1
TRIB1
TRPS1
TSTA3
TTPA
UBXN8
YWHAZ
ZBTB10
ZC3H3
ZFHX4
ZNF395
ABCB4
ACHE
ACTB
ACTR3B
AGR2
AHR
AKAP9
AKR1D1
AQP1
ARPC1B
ASB10
ATXN7L1
AZGP1
BET1
C7ORF43
CALCR
CALD1
CALU
CAPZA2
CASP2
CAV2
CD36
CDK6
CHCHD2
CLCN1
CLDN12

CLDN3
COBL
COL1A2
CPA4
CREB3L2
CRHR2
CROT
CUX1
CYCS
CYP3A5
DDC
DLD
DNAJB9
DOCK4
DPP6
EGFR
ELN
ETV1
FAM115A
FASTK
FIS1
FSCN1
FZD1
GAL3ST4
GLI3
GPNMB
GRB10
GUSB
HIBADH
HIPK2
HOXA10
HOXA13
HOXA2
HOXA5
HOXA9
HSPB1
IFRD1

IGFBP1
IGFBP3
IL6
INHBA
INMT
INSIG1
ITGB8
KDEL2
LEP
LIMK1
LRCH4
MCM7
MDH2
MET
MGC27345
MKLN1
MRPS33
NAMPT
NDUFA5
NDUFB2
NPY
NRF1
PCOLCE
PDIA4
PEG10
PIP
PON1
PPIA
PRKAR2B
PTN
PURB
RAC1
RAMP3
RPA3
SEC61G
SEMA3C
SERPINE1

SFRP4
SHH
SKAP2
SLC4A2
SMARCD3
SND1
ST7
STAG3
STEAP2
STEAP4
TARP
TBRG4
TES
TFPI2
TMED4
TRA2A
TRPV6
TWIST1
WBSCR28
WIPF3
XRCC2
YWHAG
ZNF117
ZNF273
ZNF680
ZNF862
ZNRF2
ACAT2
AIM1
AKAP12
AMD1
ANKRD6
ATXN1
BACH2
BAK1
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EEF1E1
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ENPP5
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FOXQ1
GLO1
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ME1
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NT5E
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PDCD2
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PLAGL1
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PRL
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UBE2J1
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CANX

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SEMA3G
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SLCO2A1
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THRB
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TIPARP
TKT
TM4SF1
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TRAIP
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UBE2E1
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ACTR2
ACTR3
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ACYP2
ADI1
AGPS

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BZW1
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COL5A2
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NRP2
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ODC1
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REEP1
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XPO1
ZEB2
ZFP36L2
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ACOT7
ACP6
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ACTN2
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CAPZB
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CTSK
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WNT4
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YRDC
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