

**S3 Table. Developmental and transcription regulation genes correlated with visual features.** Genes with Gene Ontology ‘*developmental process*’ or ‘*transcription regulator activity*’ annotations are grouped w.r.t. tissues and ordered by correlation - for each gene we only show the best correlated feature, in the form [layer]\_[channel] (for the architecture VGG16 and the test dataset; correlation threshold=0.75,  $\log_2$  gene expression threshold=7). Genes with ‘*transcription regulator activity*’ are shown in red.

Gene	Gene name	GO	Tissue with highest expression	Highest median tissue expression ( $\log_2$ )	Best correlated feature	r
FABP4	Fatty acid-binding protein, adipocyte	white fat cell differentiation; brown fat cell differentiation	Adipose - Visceral (Omentum)	12.6	1_14	0.767
CYP17A1	Steroid 17-alpha-hydroxylase/17,20 lyase	sex differentiation	Adrenal Gland	12.4	20_467	0.805
HSD3B2	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2	hippocampus development	Adrenal Gland	11.2	29_123	0.791
STAR	Steroidogenic acute regulatory protein, mitochondrial	brain development	Adrenal Gland	12.5	29_132	0.770
TPM4	Tropomyosin alpha-4 chain	osteoblast differentiation	Artery - Aorta	9.1	19_468	0.767
S100A6	Protein S100-A6	axonogenesis	Artery - Aorta	11.6	19_162	0.760
YAP1	Transcriptional coactivator YAP1	vasculogenesis	Artery - Aorta	7.6	19_162	0.758
MARVELD1	MARVEL domain-containing protein 1	myelination	Artery - Tibial	7.8	19_162	0.764
GNG12	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	cerebral cortex development	Artery - Tibial	7.1	12_209	0.755
ZIC4	Zinc finger protein ZIC 4	central nervous system development	Brain - Cerebellum	7.0	29_447	0.922
NEUROD2	Neurogenic differentiation factor 2	cerebellar cortex development; positive regulation of neuron differentiation	Brain - Cerebellum	7.2	29_463	0.915
NEUROD1	Neurogenic differentiation factor 1	cerebellum development; neurogenesis	Brain - Cerebellum	7.8	29_479	0.873
CRTAM	Cytotoxic and regulatory T-cell molecule	regulation of T cell differentiation	Brain - Cerebellum	7.2	29_479	0.868
ZIC2	Zinc finger protein ZIC 2	brain development; cell differentiation	Brain - Cerebellum	7.9	29_463	0.854
SLC12A5	Solute carrier family 12 member 5	dendritic spine development; multicellular organism growth	Brain - Cerebellum	7.5	27_140	0.850
ZIC1	Zinc finger protein ZIC 1	brain development	Brain - Cerebellum	8.1	29_479	0.844
ELAVL3	ELAV-like protein 3	nervous system development; cell differentiation	Brain - Cerebellum	8.0	29_463	0.834
PVALB	Parvalbumin alpha	cochlea development	Brain - Cerebellum	9.1	29_463	0.781
HPCAL4	Hippocalcin-like protein 4	central nervous system development	Brain - Cerebellum	7.5	29_463	0.781
CPLX2	Complexin-2	nervous system development; cell differentiation	Brain - Cerebellum	8.7	27_140	0.762
SPOCK2	Testican-2	synapse assembly; regulation of cell differentiation	Brain - Cerebellum	8.6	27_148	0.761
SLC1A2	Excitatory amino acid transporter 2	telencephalon development; multicellular organism growth	Brain - Cortex	8.7	18_8	0.844
GRIN1	Glutamate receptor ionotropic, NMDA 1	cerebral cortex development	Brain - Cortex	7.9	18_8	0.812
HPCA	Neuron-specific calcium-binding protein hippocalcin	brain development	Brain - Cortex	7.5	29_485	0.811
PACSIN1	Protein kinase C and casein kinase substrate in neurons protein 1	neuron projection morphogenesis; positive regulation of dendrite development	Brain - Cortex	8.5	29_463	0.810
SLC17A7	Vesicular glutamate transporter 1	brain development; synaptic vesicle lumen acidification	Brain - Cortex	9.3	18_8	0.799
CAMK2A	Calcium/calmodulin-dependent protein kinase type II subunit alpha	dendritic spine development; regulation of neuron migration	Brain - Cortex	9.2	23_417	0.786
DDN	Dendrin	DNA-binding transcription factor activity, RNA polymerase II-specific	Brain - Cortex	7.9	25_478	0.775
CEND1	Cell cycle exit and neuronal differentiation protein 1	neuron differentiation	Brain - Cortex	8.6	29_485	0.755
KIF5A	Kinesin heavy chain isoform 5A	axon guidance	Brain - Cortex	10.0	29_485	0.754
NBL1	Neuroblastoma suppressor of tumorigenicity 1	animal organ morphogenesis	Cervix - Ectocervix	9.6	19_162	0.758
CRTAP	Cartilage-associated protein	spermatogenesis	Cervix - Ectocervix	8.1	12_223	0.756
HMGB1	High mobility group protein B1	developmental process	Cervix - Ectocervix	7.4	19_468	0.753
PIAS3	E3 SUMO-protein ligase PIAS3	transcription coregulator activity	Cervix - Endocervix	7.0	19_468	0.764

Gene	Gene name	GO	Tissue with highest expression	Highest median tissue expression ( $\log_2$ )	Best correlated feature	r
SPIN1	Spindlin-1	multicellular organism development	Cervix - Endocervix	7.2	19_333	0.752
PLXNB2	Plexin-B2	brain development	Cervix - Endocervix	8.0	12_164	0.750
NKX2-5	Homeobox protein Nkx-2.5	atrial cardiac muscle cell development	Heart - Atrial Appendage	7.0	30_214	0.903
BMP10	Bone morphogenetic protein 10	atrial cardiac muscle tissue morphogenesis	Heart - Atrial Appendage	8.3	29_313	0.855
NPPA	Natriuretic peptides A	cell growth involved in cardiac muscle cell development	Heart - Atrial Appendage	14.9	29_481	0.777
NMRK2	Nicotinamide riboside kinase 2	negative regulation of myoblast differentiation	Heart - Atrial Appendage	9.8	30_72	0.751
MYBPC3	Myosin-binding protein C, cardiac-type	heart morphogenesis; ventricular cardiac muscle tissue morphogenesis	Heart - Left Ventricle	10.8	23_270	0.783
TNNI3	Troponin I, cardiac muscle	heart development; ventricular cardiac muscle tissue morphogenesis	Heart - Left Ventricle	12.0	25_28	0.780
TNNT2	Troponin T, cardiac muscle	ventricular cardiac muscle tissue morphogenesis; sarcomere organization	Heart - Left Ventricle	11.6	25_31	0.759
CSRP3	Cysteine and glycine-rich protein 3	cardiac muscle tissue development; cardiac myofibril assembly	Heart - Left Ventricle	9.4	30_72	0.755
AQP2	Aquaporin-2	metanephric collecting duct development	Kidney - Cortex	7.6	29_280	0.890
UMOD	Uromodulin	metanephric ascending thin limb development; metanephric distal convoluted tubule development	Kidney - Cortex	7.4	27_274	0.874
PLG	Plasminogen	tissue regeneration	Liver	8.7	29_234	0.959
APOA5	Apolipoprotein A-V	tissue regeneration	Liver	8.8	29_192	0.954
SERPINC1	Antithrombin-III	lactation	Liver	10.1	29_192	0.952
HRG	Histidine-rich glycoprotein	positive regulation of blood vessel remodeling	Liver	9.2	29_234	0.952
F2	Prothrombin	multicellular organism development; regulation of cell shape	Liver	9.4	29_192	0.949
AHSG	Alpha-2-HS-glycoprotein	skeletal system development	Liver	10.7	29_192	0.946
APCS	Serum amyloid P-component	negative regulation of monocyte differentiation	Liver	10.7	29_192	0.942
BAAT	Bile acid-CoA:amino acid N-acyltransferase	liver development; animal organ regeneration	Liver	7.7	29_192	0.938
ANGPTL3	Angiopoietin-related protein 3	artery morphogenesis	Liver	7.3	29_234	0.934
APOA2	Apolipoprotein A-II	animal organ regeneration	Liver	12.2	29_192	0.931
CYP4A11	Cytochrome P450 4A11	kidney development	Liver	8.3	29_234	0.924
CPB2	Carboxypeptidase B2	liver regeneration; negative regulation of hepatocyte proliferation	Liver	8.5	29_192	0.922
PROC	Vitamin K-dependent protein C	positive regulation of establishment of endothelial barrier	Liver	7.9	29_234	0.919
APOH	Beta-2-glycoprotein 1	negative regulation of angiogenesis	Liver	11.7	29_234	0.919
FGB	Fibrinogen beta chain	positive regulation of substrate adhesion-dependent cell spreading	Liver	12.6	29_192	0.896
FGL1	Fibrinogen-like protein 1	hepatocyte proliferation	Liver	10.2	18_231	0.879
G6PC	Glucose-6-phosphatase	multicellular organism growth	Liver	7.1	29_234	0.872
FGA	Fibrinogen alpha chain	positive regulation of substrate adhesion-dependent cell spreading	Liver	12.2	30_192	0.858
ASGR2	Asialoglycoprotein receptor 2	bone mineralization	Liver	8.8	30_192	0.854
CRP	C-reactive protein	negative regulation of macrophage derived foam cell differentiation	Liver	12.6	29_192	0.852
VTN	Vitronectin	liver regeneration; endodermal cell differentiation	Liver	11.2	18_279	0.851
FGG	Fibrinogen gamma chain	positive regulation of substrate adhesion-dependent cell spreading	Liver	12.2	30_192	0.829
IGFBP1	Insulin-like growth factor-binding protein 1	tissue regeneration	Liver	7.2	29_75	0.802
APOB	Apolipoprotein B-100	post-embryonic development	Liver	8.5	30_438	0.784
CREB3L3	Cyclic AMP-responsive element-binding protein 3-like protein 3	DNA-binding transcription factor activity, RNA polymerase II-specific	Liver	8.2	20_481	0.777
CPS1	Carbamoyl-phosphate synthase [ammonia], mitochondrial	hepatocyte differentiation; midgut development	Liver	8.6	29_192	0.775
ARG1	Arginase-1	liver development	Liver	9.0	20_194	0.768

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SFTPB	Pulmonary surfactant-associated protein B	animal organ morphogenesis	Lung	12.2	29_383	0.789
SCGB1A1	Uteroglobin	embryo implantation	Lung	9.2	29_155	0.776
STATH	Statherin	hepatocyte differentiation; midgut development	Minor Salivary Gland	7.7	25_200	0.767
MYF6	Myogenic factor 6	skeletal muscle tissue development; muscle cell fate commitment	Muscle - Skeletal	7.2	25_409	0.872
NEB	Nebulin	somatic muscle development; muscle fiber development	Muscle - Skeletal	9.9	25_409	0.851
XIRP2	Xin actin-binding repeat-containing protein 2	cardiac muscle tissue morphogenesis	Muscle - Skeletal	8.0	18_102	0.828
RYR1	Ryanodine receptor 1	skeletal muscle fiber development	Muscle - Skeletal	8.6	29_362	0.827
TMOD4	Tropomodulin-4	myofibril assembly	Muscle - Skeletal	8.6	30_16	0.827
KLHL40	Kelch-like protein 40	skeletal muscle fiber development; skeletal muscle fiber differentiation	Muscle - Skeletal	7.8	25_409	0.824
SMTNL1	Smoothelin-like protein 1	muscle organ morphogenesis	Muscle - Skeletal	7.2	30_362	0.820
TTN	Titin	skeletal muscle thin filament assembly; skeletal muscle myosin thick filament assembly; sarcomere organization	Muscle - Skeletal	8.7	18_136	0.810
MYPN	Myopalladin	sarcomere organization	Muscle - Skeletal	7.3	30_72	0.805
LMOD3	Leiomodin-3	skeletal muscle fiber development; myofibril assembly	Muscle - Skeletal	7.4	18_136	0.802
MYLPF	Myosin regulatory light chain 2, skeletal muscle isoform	skeletal muscle tissue development	Muscle - Skeletal	10.9	30_161	0.798
LMOD2	Leiomodin-2	sarcomere organization; myofibril assembly	Muscle - Skeletal	8.9	30_72	0.798
NRAP	Nebulin-related-anchoring protein	muscle fiber development	Muscle - Skeletal	10.0	18_136	0.794
MYL2	Myosin regulatory light chain 2, ventricular/cardiac muscle isoform	muscle cell fate specification; muscle fiber development	Muscle - Skeletal	13.7	18_136	0.781
MYLK2	Myosin light chain kinase 2, skeletal/cardiac muscle	skeletal muscle satellite cell differentiation; skeletal muscle cell differentiation	Muscle - Skeletal	7.7	30_161	0.777
TNNT1	Troponin T, slow skeletal muscle	sarcomere organization	Muscle - Skeletal	12.5	18_272	0.776
TNNI1	Troponin I, slow skeletal muscle	ventricular cardiac muscle tissue morphogenesis	Muscle - Skeletal	10.0	30_161	0.773
MB	Myoglobin	heart development	Muscle - Skeletal	13.1	30_72	0.772
MYH7	Myosin-7	adult heart development; ventricular cardiac muscle tissue morphogenesis	Muscle - Skeletal	12.4	18_136	0.770
KLHL41	Kelch-like protein 41	skeletal muscle fiber development; myofibril assembly	Muscle - Skeletal	11.6	20_171	0.766
ANP32B	Acidic leucine-rich nuclear phosphoprotein 32 family member B	negative regulation of cell differentiation	Nerve - Tibial	8.2	19_468	0.775
CNTF	Ciliary neurotrophic factor	neuron development; positive regulation of axon regeneration	Nerve - Tibial	8.3	29_36	0.769
MXRA8	Matrix remodeling-associated protein 8	establishment of glial blood-brain barrier	Nerve - Tibial	8.5	19_468	0.751
RBPJL	Recombining binding protein suppressor of hairless-like protein	DNA-binding transcription factor activity, RNA polymerase II-specific	Pancreas	9.5	30_467	0.935
INS	Insulin	positive regulation of cell differentiation	Pancreas	10.8	18_158	0.913
CELA2A	Chymotrypsin-like elastase family member 2A	cornification	Pancreas	12.6	23_110	0.895
CEL	Bile salt-activated lipase	presynaptic membrane assembly	Pancreas	14.0	23_324	0.866
REG3G	Regenerating islet-derived protein 3-gamma	negative regulation of keratinocyte differentiation	Pancreas	9.6	30_290	0.815
FSHB	Follicle-stimulating hormone subunit beta	follicle-stimulating hormone signaling pathway	Pituitary	7.1	29_279	0.930
POU1F1	Pituitary-specific positive transcription factor 1	somatotropin secreting cell development	Pituitary	7.3	29_279	0.913
GHRHR	Growth hormone-releasing hormone receptor	somatotropin secreting cell development	Pituitary	8.9	29_279	0.900
TSHB	Thyrotropin subunit beta	anatomical structure morphogenesis	Pituitary	9.2	29_436	0.869
LHB	Lutropin subunit beta	male gonad development	Pituitary	12.0	30_429	0.844
MYO15A	Unconventional myosin-XV	inner ear morphogenesis	Pituitary	7.2	29_436	0.803
PRL	Prolactin	positive regulation of lactation	Pituitary	15.5	29_436	0.799

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TGFBR3L	Transforming growth factor-beta receptor type 3-like protein	epithelial to mesenchymal transition	Pituitary	8.0	29_436	0.787
GH1	Somatotropin	positive regulation of multicellular organism growth	Pituitary	16.8	30_429	0.763
COL22A1	Collagen alpha-1(XII) chain	endothelial cell morphogenesis	Pituitary	7.2	30_436	0.753
KLK3	Prostate-specific antigen	negative regulation of angiogenesis	Prostate	12.8	29_458	0.900
KLK4	Kallikrein-4	biomineral tissue development	Prostate	9.4	29_430	0.821
<b>HOXB13</b>	Homeobox protein Hox-B13	prostate epithelial cord arborization involved in prostate glandular acinus morphogenesis; epithelial cell maturation involved in prostate gland development	Prostate	7.3	30_458	0.801
KRT77	Keratin, type II cytoskeletal 1b	keratinization; cornification	Skin - Not Sun Exposed	8.6	18_78	0.884
FLG2	Filaggrin-2	epidermis morphogenesis; establishment of skin barrier	Skin - Sun Exposed	9.6	18_78	0.883
LCE2C	Late cornified envelope protein 2C	keratinization	Skin - Sun Exposed	8.2	18_78	0.878
LCE1A	Late cornified envelope protein 1A	cornification	Skin - Sun Exposed	8.9	18_78	0.878
CDSN	Corneodesmosin	epidermis development; keratinocyte differentiation	Skin - Sun Exposed	8.3	18_78	0.875
LCE2B	Late cornified envelope protein 2B	epidermis development; keratinization	Skin - Sun Exposed	9.4	18_78	0.874
LCE1B	Late cornified envelope protein 1B	keratinization	Skin - Sun Exposed	8.0	18_78	0.874
LCE1C	Late cornified envelope protein 1C	keratinization	Skin - Sun Exposed	9.4	18_78	0.873
LCE6A	Late cornified envelope protein 6A	keratinization	Skin - Sun Exposed	7.6	18_78	0.870
LCE1F	Late cornified envelope protein 1F	keratinization	Skin - Sun Exposed	7.6	18_78	0.868
LCE5A	Late cornified envelope protein 5A	keratinization	Skin - Sun Exposed	7.3	18_78	0.864
LCE2D	Late cornified envelope protein 2D	keratinization	Skin - Sun Exposed	7.5	18_78	0.863
LCE2A	Late cornified envelope protein 2A	keratinization	Skin - Sun Exposed	7.2	18_78	0.856
DSC1	Desmocollin-1	keratinization; cornification	Skin - Sun Exposed	8.2	18_78	0.849
KRT2	Keratin, type II cytoskeletal 2 epidermal	keratinocyte development; epidermis development	Skin - Sun Exposed	12.8	18_78	0.840
FLG	Filaggrin	keratinocyte differentiation; establishment of skin barrier	Skin - Sun Exposed	9.0	18_78	0.835
SERPINB7	Serpin B7	positive regulation of glomerular mesangial cell proliferation	Skin - Sun Exposed	7.4	18_78	0.830
KRT10	Keratin, type I cytoskeletal 10	keratinocyte differentiation; positive regulation of epidermis development	Skin - Sun Exposed	14.6	18_78	0.826
CASP14	Caspase-14	epidermis development; keratinization	Skin - Sun Exposed	9.4	18_78	0.820
PSAPL1	Proactivator polypeptide-like 1	epithelial cell differentiation involved in prostate gland development	Skin - Sun Exposed	7.4	22_265	0.812
CST6	Cystatin-M	epidermis development; anatomical structure morphogenesis	Skin - Sun Exposed	9.6	20_329	0.773
ASPRV1	Retroviral-like aspartic protease 1	skin development	Skin - Sun Exposed	9.6	18_78	0.772
ALOX12B	Arachidonate 12-lipoxygenase, 12R-type	establishment of skin barrier	Skin - Sun Exposed	7.4	25_227	0.757
<b>NR5A1</b>	Steroidogenic factor 1	DNA-binding transcription factor activity, RNA polymerase II-specific; adrenal gland development	Spleen; Adrenal Gland	8.0	27_423	0.780
CD19	B-lymphocyte antigen CD19	B-1 B cell differentiation	Spleen	7.9	27_389	0.759
KCNE2	Potassium voltage-gated channel subfamily E member 2	tongue development	Stomach	8.3	29_287	0.782
DDX4	Probable ATP-dependent RNA helicase DDX4	spermatogenesis; cell differentiation	Testis	7.5	29_39	0.951
<b>DMRTB1</b>	Doublesex- and mab-3-related transcription factor B1	DNA-binding transcription factor activity, RNA polymerase II-specific	Testis	7.1	29_39	0.949
SHCBP1L	Testicular spindle-associated protein SHCBP1L	spermatogenesis; cell differentiation	Testis	7.7	29_39	0.945
CALR3	Calreticulin-3	spermatogenesis; cell differentiation	Testis	7.1	29_246	0.945
ZBP2	Zona pellucida-binding protein 2	acrosome assembly	Testis	7.2	29_39	0.941
SPEM1	Spermatid maturation protein 1	sperm individualization; spermatogenesis	Testis	7.5	29_246	0.939
ACSBG2	Long-chain-fatty-acid-CoA ligase ACSBG2	spermatogenesis; cell differentiation	Testis	8.0	29_39	0.938
SPATA19	Spermatogenesis-associated protein 19, mitochondrial	spermatogenesis; cell differentiation	Testis	8.0	29_168	0.937

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RNF151	RING finger protein 151	spermatogenesis; cell differentiation	Testis	8.5	29_39	0.937
FSCN3	Fascin-3	spermatid development	Testis	7.2	29_246	0.933
TCP11	T-complex protein 11 homolog	spermatogenesis; cell differentiation	Testis	8.7	29_258	0.930
ODF1	Outer dense fiber protein 1	spermatogenesis; cell differentiation	Testis	9.6	29_39	0.929
IQCF1	IQ domain-containing protein F1	positive regulation of flagellated sperm motility involved in capacitation	Testis	7.8	29_246	0.926
PRM3	Protamine-3	spermatogenesis; cell differentiation	Testis	7.0	29_246	0.926
TDRG1	Testis development-related protein 1	multicellular organism development	Testis	7.0	29_39	0.923
SYCP3	Synaptonemal complex protein 3	spermatogenesis; spermatid development	Testis	7.2	29_39	0.917
CABS1	Calcium-binding and spermatid-specific protein 1	spermatogenesis	Testis	7.9	29_73	0.915
DKKL1	Dickkopf-like protein 1	anatomical structure morphogenesis	Testis	9.3	29_39	0.914
RPL10L	60S ribosomal protein L10-like	spermatogenesis	Testis	7.5	29_246	0.908
SYCE3	Synaptonemal complex central element protein 3	spermatogenesis	Testis	7.9	29_39	0.906
CAPZA3	F-actin-capping protein subunit alpha-3	spermatid development	Testis	8.7	29_258	0.906
GTSF1	Gametocyte-specific factor 1	spermatogenesis; cell differentiation	Testis	7.0	29_246	0.905
CCDC42	Coiled-coil domain-containing protein 42	spermatid development	Testis	7.0	29_73	0.903
TXNDC2	Thioredoxin domain-containing protein 2	spermatogenesis; cell differentiation	Testis	7.1	29_246	0.898
TPPP2	Tubulin polymerization-promoting protein family member 2	spermatogenesis; cell differentiation	Testis	8.2	29_73	0.888
AKAP3	A-kinase anchor protein 3	blastocyst hatching	Testis	7.3	29_39	0.880
TNP1	Spermatid nuclear transition protein 1	spermatid development; spermatogenesis	Testis	13.1	29_39	0.874
TSSK6	Testis-specific serine/threonine-protein kinase 6	multicellular organism development; sperm chromatin condensation	Testis	8.2	29_246	0.869
MAEL	Protein maelstrom homolog	spermatogenesis	Testis	7.3	29_39	0.864
TCP10L	T-complex protein 10A homolog 1	transcription corepressor activity	Testis	8.1	29_39	0.864
CCIN	Calicin	spermatogenesis	Testis	7.3	29_73	0.862
PRAME	Melanoma antigen preferentially expressed in tumors	cell differentiation	Testis	7.3	30_39	0.860
PRM1	Sperm protamine P1	spermatogenesis; cell differentiation	Testis	14.3	29_73	0.850
PRM2	Protamine-2	spermatogenesis; spermatid development	Testis	14.3	29_73	0.849
GGN	Gametogenetin	spermatogenesis; cell differentiation	Testis	7.5	29_39	0.845
ROPN1L	Ropporin-1-like protein	sperm capacitation	Testis	9.0	29_39	0.844
CABYR	Calcium-binding tyrosine phosphorylation-regulated protein	sperm capacitation	Testis	8.0	29_39	0.840
INSL3	Insulin-like 3	spermatogenesis	Testis	8.9	29_39	0.802
ACRBP	Acrosin-binding protein	spermatid development; acrosome assembly	Testis	9.3	30_246	0.798
PHOSPHO1	Phosphoethanolamine/phosphocholine phosphatase	regulation of bone mineralization	Testis	7.3	29_246	0.782
SPATA24	Spermatogenesis-associated protein 24	spermatogenesis; cell differentiation	Testis	7.5	29_73	0.778
SPINK2	Serine protease inhibitor Kazal-type 2	spermatid development; acrosome assembly	Testis	9.2	29_73	0.773
PCSK4	Proprotein convertase subtilisin/kexin type 4	sperm capacitation	Testis	8.2	30_39	0.773
PRSS21	Testisin	spermatogenesis	Testis	7.0	30_168	0.773
NKX2-1	Homeobox protein Nkx-2.1	thyroid gland development	Thyroid	8.5	29_202	0.870
TG	Thyroglobulin	thyroid gland development	Thyroid	12.3	30_93	0.869
PAX8	Paired box protein Pax-8	thyroid gland development	Thyroid	10.4	29_499	0.802
FOXE1	Forkhead box protein E1	thyroid gland development	Thyroid	7.5	27_376	0.778
TRIP6	Thyroid receptor-interacting protein 6	chordate embryonic development	Uterus	7.6	12_209	0.762