

Table S2: 142 genes annotated as expressed in the “testis” ranked 1 or 2 (publication quality) in the Eurexpress database.

Gene	Chromosome	Gene Name
Acsbg1	9	Acyl-Coa Synthetase Bubblegum Family Member 1
Adamts16	13	A Disintegrin-Like And Metallopeptidase (Reprolysin Type) With Thrombospondin Type 1 Motif, 16
Adamts2	11	A Disintegrin-Like And Metallopeptidase (Reprolysin Type) With Thrombospondin Type 1 Motif, 2
Adh1	3	Alcohol Dehydrogenase 1 (Class I)
Ap3b2	7	Adaptor-Related Protein Complex 3, Beta 2 Subunit
Apc	18	Adenomatosis Polyposis Coli
Apex1	14	Apurinic/Apyrimidinic Endonuclease 1
Apln	X	Apelin
Arl6ip2	17	Atlastin Gtpase 2
Atp6v1e1	6	Atpase, H ⁺ Transporting, Lysosomal V1 Subunit E1
Atp8b2	3	Atpase, Class I, Type 8b, Member 2
Bex2	X	Brain Expressed X-Linked 2
Bub1	2	Bub1, Mitotic Checkpoint Serine/Threonine Kinase
Cd34	1	Cd34 Antigen
Cdca7l	12	Cell Division Cycle Associated 7 Like
Cdk5rap1	2	Cdk5 Regulatory Subunit Associated Protein 1
Clca1	3	Chloride Channel Accessory 1
Clca4	3	Chloride Channel Accessory 4a/4b
Clcn2	16	Chloride Channel, Voltage-Sensitive 2
Col9a3	2	Collagen, Type Ix, Alpha 3
Copb2	9	Coatomer Protein Complex, Subunit Beta 2 (Beta Prime)
Ctnna2	6	Catenin (Cadherin Associated Protein), Alpha 2
Cxadr	16	Coxsackie Virus And Adenovirus Receptor
Cxcl12	6	Chemokine (C-X-C Motif) Ligand 12
Cyp11a1	9	Cytochrome P450, Family 11, Subfamily A, Polypeptide 1
Cyp51	5	Cytochrome P450, Family 51
Rnf213	11	Ring Finger Protein 213 (Rnf213)
Ifi27	12	Interferon, Alpha-Inducible Protein 27 (Ifi27)
Spice1	16	Spindle And Centriole Associated Protein 1 (Spice1)
Daam2	17	Dishevelled Associated Activator Of Morphogenesis 2
Dppa3	6	Developmental Pluripotency-Associated 3
Dsp	13	Desmoplakin
Elavl2	4	Elav (Embryonic Lethal, Abnormal Vision, Drosophila)-Like 2 (Hu Antigen B)
Ets1	9	E26 Avian Leukemia Oncogene 1, 5' Domain
Etv5	16	Ets Variant 5
Fads1	19	Fatty Acid Desaturase 1
Fthfd	6	Aldehyde Dehydrogenase 1 Family, Member L1
Gas6	8	Growth Arrest Specific 6

Gem	4	Gtp Binding Protein (Gene Overexpressed In Skeletal Muscle)
Gjb2	14	Gap Junction Protein, Beta 2
Gnl3	14	Guanine Nucleotide Binding Protein-Like 3 (Nucleolar)
Gpc4	X	Glypican 4
Adgrg1	8	Adhesion G Protein-Coupled Receptor G1 (Adgrg1)
Gramd1b	9	Gram Domain Containing 1b
Grrp	4	Glycine/Arginine Rich Protein 1
Gsta4	9	Glutathione S-Transferase, Alpha 4
Gstm1	3	Glutathione S-Transferase, Mu 1
Gstm4	3	Glutathione S-Transferase, Mu 4
Gstm7	3	Glutathione S-Transferase, Mu 7
Gtf2b	3	General Transcription Factor Iib
Gtf2e2	8	General Transcription Factor Ii E, Polypeptide 2 (Beta Subunit)
Gtlf3b	11	N-Acetyltransferase Domain Containing 1
Gucy1a3	3	Guanylate Cyclase 1, Soluble, Alpha 3
Hat1	2	Histone Aminotransferase 1
Hmg20a	9	High Mobility Group 20a
Hmga1	17	High Mobility Group At-Hook 1
Hoxd9	2	Homeobox D9
Hs6st1	1	Heparan Sulfate 6-O-Sulfotransferase 1
Hsd17b7	1	Hydroxysteroid (17-Beta) Dehydrogenase 7
Hsd3b3	3	Hydroxy-Delta-5-Steroid Dehydrogenase, 3 Beta- And Steroid Delta-Isomerase 3
Hsp90aa1	12	Heat Shock Protein 90, Alpha (Cytosolic), Class A Member 1
Hspa1a	17	Heat Shock Protein 1a
Idi1	13	Isopentenyl-Diphosphate Delta Isomerase
Ifitm7	16	Interferon Induced Transmembrane Protein 7
Irf1	11	Interferon Regulatory Factor 1
Itga9	9	Integrin Alpha 9
Kcnt1	2	Potassium Channel, Subfamily T, Member 1
L3mbtl	2	L(3)Mbt-Like (Drosophila)
Trank1	9	Tetratricopeptide Repeat And Ankyrin Repeat Containing 1 (Trank1)
Liph	16	Lipase, Member H
Lsr	7	Lipolysis Stimulated Lipoprotein Receptor (Lsr)
Melk	4	Maternal Embryonic Leucine Zipper Kinase
Mmp8	9	Matrix Metalloproteinase 8
Me1	9	Malic Enzyme 1, NADP(+)-Dependent, Cytosolic (Me1)
Mphosph6	8	M Phase Phosphoprotein 6
Mrpl23	7	Mitochondrial Ribosomal Protein L23
Mybbp1a	11	Myb Binding Protein (P160) 1a
Npr1	3	Natriuretic Peptide Receptor 1
Nrg1	8	Neuregulin 1
Nts	10	Neurotensin
Nupl1	14	Nucleoporin Like 1

Osbp10	9	Oxysterol Binding Protein-Like 10
Slc45a3	1	Solute Carrier Family 45, Member 3 (Slc45a3)
Pcsk6	7	Proprotein Convertase Subtilisin/Kexin Type 6
Pdzd4	X	Pdz Domain Containing 4
Pgpep1	8	Pyroglutamyl-Peptidase I
Pla2g5	4	Phospholipase A2, Group V
Plekha1	7	Pleckstrin Homology Domain Containing, Family A (Phosphoinositide Binding Specific) Member 1
Polr3f	2	Polymerase (Rna) Iii (Dna Directed) Polypeptide F
Por	5	P450 (Cytochrome) Oxidoreductase
Ppt1	4	Palmitoyl-Protein Thioesterase 1
Prkar2b	12	Protein Kinase, Camp Dependent Regulatory, Type Ii Beta
Prlr	15	Prolactin Receptor
Psmal	7	Proteasome (Prosome, Macropain) Subunit, Alpha Type 1
Rad52b	11	Rad52 Motif 1
Rcc2	4	Regulator Of Chromosome Condensation 2
Rcl1	19	Rna Terminal Phosphate Cyclase-Like 1
Ren1	1	Renin 1 Structural
Rgs11	17	Regulator Of G-Protein Signaling 11
Rhpn1	15	Rhophilin, Rho Gtpase Binding Protein 1
Rnf138	18	Ring Finger Protein 138
Msmo1	8	Methylsterol Monooxygenase 1 (Msmo1)
Scarb1	5	Scavenger Receptor Class B, Member 1
Schip1	3	Schwannomin Interacting Protein 1
Scrn2	11	Secernin 2
Sct	7	Secretin
Serpinb6a	13	Serine (Or Cysteine) Peptidase Inhibitor, Clade B, Member 6a
Slc20a1	2	Solute Carrier Family 20, Member 1
Slc25a31	3	Solute Carrier Family 25 (Mitochondrial Carrier; Adenine Nucleotide Translocator), Member 31
Slc29a1	17	Solute Carrier Family 29 (Nucleoside Transporters), Member 1
Slc38a1	15	Solute Carrier Family 38, Member 1
Slc7a5	8	Solute Carrier Family 7 (Cationic Amino Acid Transporter, Y+ System), Member 5
Smoc1	12	Sparc Related Modular Calcium Binding 1
Snrpn	7	Small Nuclear Ribonucleoprotein N
Sostdc1	12	Sclerostin Domain Containing 1
Sox2	3	Sry (Sex Determining Region Y)-Box 2
Stc1	14	Stanniocalcin 1
Stc2	11	Stanniocalcin 2
Stxbp2	8	Syntaxin Binding Protein 2
Tacr3	3	Tachykinin Receptor 3
Epcam	17	Epithelial Cell Adhesion Molecule (Epcam)
Tbc1d8	1	Tbc1 Domain Family, Member 8
Tcf21	10	Transcription Factor 21

Tcl1	12	T Cell Lymphoma Breakpoint 1
Serinc3	2	Serine Incorporator 3 (Serinc3)
Tesc	5	Tescalcin
Tex2	11	Testis Expressed Gene 2
Tle6	10	Transducin-Like Enhancer Of Split 6
Tmcc3	10	Transmembrane And Coiled Coil Domains 3
Tmem35	X	Transmembrane Protein 35a
Tpd52	3	Tumor Protein D52
Trip13	13	Thyroid Hormone Receptor Interactor 13
Ttrap	5	Transformation/Transcription Domain-Associated Protein
Tyro3	2	Tyro3 Protein Tyrosine Kinase 3
Ube2t	1	Ubiquitin-Conjugating Enzyme E2t
Uchl1	5	Ubiquitin Carboxy-Terminal Hydrolase L1
Yars2	16	Tyrosyl-Trna Synthetase 2 (Mitochondrial)
Zdhhc24	19	Zinc Finger, Dhhc Domain Containing 24
Zfp451	1	Zinc Finger Protein 451
Zfp516	18	Zinc Finger Protein 516