

Supplemental Table 3. Organ-Specific top-10 Genes

Organ(N)	UniGene ID	Gene ID	Symbol	Gene Name	P-value
Adrenal (131)	Hs.130981	NM_005505	SCARB1	Scavenger receptor class B, member 1	4.83×10^{-10}
	Hs.443495	NM_030579	CYB5-M	Cytochrome b5 outer mitochondrial membrane precursor	9.65×10^{-9}
	Hs.13781	NM_173546	MGC35097	Hypothetical protein MGC35097	7.15×10^{-7}
	Hs.4994	NM_016272	TOB2	Transducer of ERBB2, 2	7.55×10^{-7}
	Hs.438016	NM_000102	CYP17A1	Cytochrome P450, family 17, subfamily A, polypeptide 1	9.99×10^{-7}
	Hs.530953	BM668862	-	Similarity to protein pir:I60307,beta-galactosidase, alpha peptide	1.64×10^{-6}
	Hs.172914	NM_002905	RDH5	retinol dehydrogenase 5 (11-cis and 9-cis)	2.42×10^{-6}
	Hs.528574	BX096401	-	LOC389691 (LOC389691), mRNA	4.99×10^{-6}
	Hs.58992	BX099112	-	Transcribed sequences	5.80×10^{-6}
	Hs.114061	BX107027	-	Transcribed sequences	5.87×10^{-6}
Bladder (82)	Hs.376064	NM_006392	NOL5A	Nucleolar protein 5A (56kDa with KKE/D repeat)	7.83×10^{-7}
	Hs.439040	NM_153225	FLJ40021	Hypothetical protein FLJ40021	2.11×10^{-5}
	Hs.434870	NM_024528	FLJ22626	Hypothetical protein FLJ22626	3.77×10^{-5}
	Hs.289368	NM_033274	ADAM19	A disintegrin and metalloproteinase domain 19 (meltrin beta)	7.47×10^{-5}
	Hs.528533	NM_144711	MGC22679	hypothetical protein MGC22679	9.54×10^{-5}
	Hs.270847	BM668862	TUBD1	Likely ortholog of mouse tubulin, delta 1	1.25×10^{-4}
	Hs.19851	NM_002905	PEX14	Peroxisomal biogenesis factor 14	1.33×10^{-4}
	Hs.42219	BX096401	SNTB2	Syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa)	1.49×10^{-4}
	Hs.33476	BX099112	NICAL	NEDD9 interacting protein with calponin homology and LIM domains	1.58×10^{-4}
	Hs.408	BX107027	COL4A6	Collagen, type IV, alpha 6	1.61×10^{-4}
Cerebellum (529)	Hs.369063	NM_007129	ZIC2	Zic family member2(odd-paired homolog,Drosophila)	5.62×10^{-9}
	Hs.336706	AA477708	-	Homo sapiens transcribed sequences	8.51×10^{-9}
	Hs.5003	AB007925	FNBP2	Formin binding protein 2	9.42×10^{-9}
	Hs.134989	NM_001427	EN2	Engrailed homolog 2	2.92×10^{-8}
	Hs.27669	NM_020919	ALS2	Amyotrophic lateral sclerosis 2 (juvenile)	9.51×10^{-8}
	Hs.121518	BM716109	-	Similarity to protein ref:NP_009056.1 (H.sapiens)	1.14×10^{-7}
	Hs.7177	BF347321	-	Transcribed sequences	1.44×10^{-7}
	Hs.181788	AV682647	-	Transcribed sequences	1.44×10^{-7}
	Hs.239506	NM_005584	MAB21L1	Mab-21-like 1 (C. elegans)	2.39×10^{-7}
	Hs.151408	NM_000933	PLCB4	Phospholipase C, beta 4	2.76×10^{-7}
Cerebrum (426)	Hs.24969	NM_000810	GABRA5	Gamma-aminobutyric acid(GABA) A receptor, alpha 5	5.86×10^{-8}
	Hs.78589	NM_005025	SERPINI1	Serine proteinase inhibitor, clade I, member 1	1.18×10^{-7}
	Hs.408789	NM_138401	LOC93343	Hypothetical protein BC011840	3.53×10^{-7}
	Hs.401968	AW973959	-	Homo sapiens transcribed sequences	4.78×10^{-7}
	Hs.7351	NM_006628	ARPP-19	Hyclic AMP phosphoprotein, 19 kD	4.49×10^{-7}
	Hs.146858	NM_032961	PCDH10	Protocadherin 10	1.03×10^{-6}
	Hs.336224	NM_003692	TMEFF1	Transmembrane protein with EGF-like and two follistatin-like	1.33×10^{-6}
	Hs.1569	NM_004789	LHX2	LIM homeobox 2	1.98×10^{-6}
	Hs.285091	NM_181481	C18orf1	Chromosome 18 open reading frame 1	2.40×10^{-6}
	Hs.355774	AV727525	-	Transcribed sequences	2.44×10^{-6}
Colon (1)	Hs.501452	NM_005755	EBI3	Epstein-Barr virus induced gene 3	6.53×10^{-3}
Heart (140)	Hs.83760	NM_003282	TNNI2	Troponin I, skeletal, fast	1.87×10^{-8}
	Hs.407132	NM_000364	TNNT2	Troponin T2, cardiac	3.99×10^{-8}
	Hs.252706	AI144282	-	Homo sapiens transcribed sequences	4.07×10^{-8}
	Hs.258742	NM_000256	MYBPC3	Myosin binding protein C, cardiac	4.08×10^{-8}
	Hs.202821	CF553052	-	Homo sapiens transcribed sequences	3.07×10^{-7}
	Hs.512709	NM_000363	TNNI3	Troponin I, cardiac	1.04×10^{-6}
	Hs.445923	N55355	-	Transcribed sequence with weak similarity to protein	1.06×10^{-6}
	Hs.182215	NM_004311	ARL3	ADP-ribosylation factor-like 3	1.21×10^{-6}
	Hs.234521	NM_004635	MAPKAPK3	Mitogen-activated protein kinase-activated protein kinase 3	1.69×10^{-6}
	Hs.1176	NM_201574	SLC4A3	Solute carrier family 4, anion exchanger, member 3	2.07×10^{-6}

ileum (5)	Hs.147391	NM_001445	FABP6	Fatty acid binding protein 6, ileal(gastrotropin)	1.95×10^{-8}
	Hs.135194	BF510883	-	Similarity to protein ref:NP_055301.1 (H.sapiens)	1.05×10^{-3}
	Hs.135121	NM_024769	ASAM	Adipocyte-specific adhesion molecule	1.26×10^{-3}
	Hs.113265	NM_003086	SNAPC4	Small nuclear RNA activating complex, polypeptide 4, 190kDa	4.46×10^{-3}
	Hs.304398	NM_004673	ANGPTL1	Angiopoietin-like 1	4.97×10^{-3}
Kidney (111)	Hs.115418	NM_004062	CDH16	Cadherin 16, KSP-cadherin	2.46×10^{-12}
	Hs.380686	AI733593	-	H.sap. transcribed sequence(weak similar to protein)	6.14×10^{-12}
	Hs.98967	NM_020632	ATP6V0A4	ATPase,H+ transporting, V0 subunit a isoform 4	2.85×10^{-11}
	Hs.87236	NM_012188	FOXI1	Forkhead box I1	9.23×10^{-10}
	Hs.436360	NM_152565	ATP6V0D2	ATPase,lysosomal 38kDa, V0 subunit d isoform 2	2.04×10^{-8}
	Hs.123123	NM_004070	CLCNKA	Chloride channel Ka	5.10×10^{-8}
	Hs.458434	NM_080603	ZSWIM1	zinc finger, SWIM domain containing 1	1.06×10^{-7}
	Hs.279682	NM_016321	RHCG	Rhesus blood group, C glycoprotein	1.52×10^{-7}
	Hs.76095	NM_052815	IER3	Immediate early response 3	2.07×10^{-7}
	Hs.158462	NM_000339	SLC12A3	Solute carrier family 12 (sodium/chloride transporters), member 3	4.74×10^{-7}
	liver (639)	Hs.9754	NM_012068	ATF5	Activating transcription factor 5
Hs.81073		NM_014375	FETUB	Fetuin B	5.77×10^{-13}
Hs.374664		NM_005538	-	Homo sapiens transcribed sequences	1.46×10^{-12}
Hs.439056		NM_000762	CYP2A6	Cytochrome P450, family 2, subfamily A, polypeptide 6	6.73×10^{-12}
Hs.401745		NM_003844	TNFRSF10A	Tumor necrosis factor receptor superfamily, member 10a	1.09×10^{-11}
Hs.139263		NM_005183	CACNA1F	Calcium channel, voltage-dependent, alpha 1F subunit	2.43×10^{-11}
Hs.63758		NM_003227	TFR2	Transferrin receptor 2	5.26×10^{-11}
Hs.161640		NM_000353	TAT	Tyrosine aminotransferase	5.27×10^{-11}
Hs.377010		NM_004341	CAD	Carbamoyl-phosphate synthetase 2, aspartate transcarbamylase	2.95×10^{-11}
Hs.268821		BU581125	-	Transcribed sequence with similarity to protein sp:P39188	3.37×10^{-10}
lung (135)		Hs.512690	NM_000542	SFTPB	Surfactant, pulmonary-associated protein B
	Hs.356835	AK096403	EMP2	epithelial membrane protein 2	3.20×10^{-8}
	Hs.115166	NM_144777	SCEL	Sciellin	3.38×10^{-8}
	Hs.25067	XM_294040	-	Homo sapiens transcribed sequence	2.85×10^{-7}
	Hs.445459	NM_025130	FLJ22761	hypothetical protein FLJ22761	4.57×10^{-7}
	Hs.85950	NM_153706	MGC33648	Hypothetical protein MGC33648	4.79×10^{-7}
	Hs.100866	BX497320	-	Transcribed sequences	3.87×10^{-6}
	Hs.164018	NM_022145	FKSG14	Leucine zipper protein FKSG14	3.96×10^{-6}
	Hs.356835	NM_001424	EMP2	Epithelial membrane protein 2	4.57×10^{-6}
	Hs.380684	NM_001263	CDS1	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 1	6.24×10^{-6}
	Ovary (37)	Hs.153678	NM_005671	D8S2298E	Reproduction 8
Hs.38449		AA703280	-	Homo sapiens transcribed sequences	7.22×10^{-6}
Hs.288720		NM_005824	LRRC17	Leucine rich repeat containing17	4.40×10^{-4}
Hs.353211		NM_139320	CHRNA7	Cholinergic receptor, nicotinic, alpha polypeptide 7	5.90×10^{-4}
Hs.446629		BU580578	-	Transcribed sequences	
Hs.525358		AI733358	-	Transcribed sequences	1.32×10^{-3}
Hs.98493		NM_006297	XRCC1	X-ray repair complementing defective repair in Chinese hamster cells	1.37×10^{-3}
Hs.56044		W49670	-	Transcribed sequences	1.44×10^{-3}
Hs.416379		NM_032762	MGC16121	Hypothetical protein MGC16121	1.46×10^{-3}
Hs.278894		NM_020860	STIM2	Stromal interaction molecule 2	1.50×10^{-3}
Pancreas (145)		Hs.120196	BC043212	-	Sapiens, clone IMAGE:5295205, mRNA
	Hs.82128	NM_006670	TPBG	Trophoblast glycoprotein	3.18×10^{-9}
	Hs.423901	NM_002054	GCG	Glucagon	6.36×10^{-9}
	Hs.120150	BM716574	-	Homo sapiens transcribed sequences	1.31×10^{-8}
	Hs.368089	BM564058	-	Clone IMAGE:5742065, mRNA	7.56×10^{-8}
	Hs.423598	NM_005396	PNLIPRP2	Pancreatic lipase-related protein 2	7.93×10^{-8}
	Hs.129712	NM_007180	TREH	Trehalase (brush-border membrane glycoprotein)	7.98×10^{-8}
	Hs.134012	NM_006688	CRF	C1q-related factor	1.42×10^{-7}
	Hs.49349	NM_012104	BACE	Beta-site APP-cleaving enzyme	1.72×10^{-7}
	Hs.355820	NM_133467	CITED4	Cbp/p300-interacting transactivator, with carboxy-terminal domain, 4	1.83×10^{-7}

prostate (86)	Hs.313068	NM_000299	PKP1	plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)	4.95×10^{-6}
	Hs.55080	NM_030631	SLC25A21	solute carrier family 25 (mit. oxodicarboxylate carrier) member 21	8.83×10^{-6}
	Hs.408200	NM_152999	STEAP2	Six transmembrane epithelial antigen of prostate 2	1.19×10^{-5}
	Hs.103665	NM_015873	VILL	Villin-like	1.47×10^{-5}
	Hs.1968	NM_003007	SEMG1	Semenogelin I	2.19×10^{-5}
	Hs.61635	NM_012449	STEAP	Six transmembrane epithelial antigen of the prostate	2.81×10^{-5}
	Hs.240135	NM_003545	HIST1H4F	Histone 1, H4f	2.90×10^{-5}
	Hs.99949	NM_002652	PIP	Prolactin-induced protein	3.12×10^{-5}
	Hs.288512	NM_032680	MGC4266	Hypothetical protein MGC4266	3.48×10^{-5}
	Hs.405809	BC054509	-	CDNA clone MGC:60197 IMAGE:6504276, complete cds	4.30×10^{-5}
S. muscle (405)	Hs.57687	NM_004468	FHL3	Four and a half LIM domains 3	9.33×10^{-13}
	Hs.50550	AF333387	KBTBD10	kelch repeat and BTB (POZ) domain containing 10	1.65×10^{-11}
	Hs.274361	NM_020039	ACCN2	Amiloride-sensitive cation channel 2, neuronal	2.07×10^{-11}
	Hs.50889	NM_013292	HUMMLC2B	Myosin light chain 2	2.11×10^{-11}
	Hs.386131	NM_004543	NEB	Nebulin	2.30×10^{-11}
	Hs.12407	AW953168	-	Transcribed sequences	4.03×10^{-11}
	Hs.635	NM_000723	CACNB1	Calcium channel, voltage-dependent, beta 1 subunit	8.32×10^{-11}
	Hs.126714	NM_000246	MHC2TA	MHC class II transactivator	1.04×10^{-10}
	Hs.238756	NM_021245	MYOZ1	Myozenin 1	1.84×10^{-10}
	Hs.202684	AL049268	-	MRNA; cDNA DKFZp564G103 (from clone DKFZp564G103)	4.16×10^{-10}
Spleen (141)	Hs.89583	NM_005521	TLX1	T-cell leukemia, homeobox 1	1.31×10^{-7}
	Hs.179882	NM_024830	FLJ12443	Hypothetical protein FLJ12443	6.86×10^{-7}
	Hs.173554	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase core protein II	1.09×10^{-6}
	Hs.166091	NM_002312	LIG4	Ligase IV, DNA, ATP-dependent	4.70×10^{-6}
	Hs.290346	NM_003188	MAP3K7	Mitogen-activated protein kinase kinase kinase 7	5.42×10^{-6}
	Hs.169487	NM_005461	MAFB	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B	1.09×10^{-5}
	Hs.436886	NM_138385	LOC92305	Hypothetical protein BC009331	2.50×10^{-5}
	Hs.143811	NM_017855	APIN	APin protein	3.37×10^{-5}
	Hs.458493	BU619592	-	Transcribed sequence with strong similarity to protein	4.79×10^{-5}
	Hs.363572	NM_006090	CEPT1	Choline/ethanolaminephosphotransferase	5.62×10^{-5}
stomach (7)	Hs.25647	NM_005252	FOS	v-fos FBJ murine osteosarcoma viral oncogene homolog	1.99×10^{-5}
	Hs.69319	NM_019617	GKN1	gastrokine 1	3.27×10^{-5}
	Hs.145661	NM_015694	KIAA1285	KIAA1285 protein	4.54×10^{-5}
	Hs.90005	NM_007029	STMN2	stathmin-like 2	2.91×10^{-4}
	Hs.66774	NM_024493	ZNF306	zinc finger protein 306	7.50×10^{-4}
	Hs.148458	XM_374033	-	LOC389095 (LOC389095), mRNA	7.97×10^{-3}
	Hs.58068	BX090762	-	Full length insert cDNA clone ZD52G03	8.84×10^{-3}
Tesis) (1188)	Hs.390343	AL590524	PEPP-2	PEPP subfamily gene 2	3.05×10^{-11}
	Hs.34596	NM_145258	MGC22773	hypothetical protein MGC22773	1.36×10^{-10}
	Hs.55601	NM_013320	HCF-2	Host cell factor 2	8.21×10^{-10}
	Hs.278632	NM_005636	SSX4	Synovial sarcoma, X breakpoint 4	1.35×10^{-9}
	Hs.21695	NM_016329	SFMBT	Scm-related gene containing four mbt domains	1.70×10^{-9}
	Hs.65412	NM_007204	DDX20	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20	1.88×10^{-9}
	Hs.104741	NM_018492	TOPK	T-LAK cell-originated protein kinase	1.89×10^{-9}
	Hs.406696	NM_012409	PRND	Prion protein 2 (dublet)	2.62×10^{-9}
	Hs.71791	NM_013313	YPEL1	Yippee-like 1 (Drosophila)	3.77×10^{-9}
	Hs.425427	NM_017816	LYAR	Hypothetical protein FLJ20425	5.62×10^{-9}
Ureter (21)	Hs.110855	NM_005415	SLC20A1	solute carrier family 20 (phosphate transporter), member 1	2.10×10^{-4}
	Hs.99785	AK024898	-	Sapiens cDNA: FLJ21245 fis, clone COL01184.	6.10×10^{-4}
	Hs.67928	NM_004433	ELF3	E74-like factor 3 (epithelial-specific)	6.44×10^{-4}
	Hs.326392	NM_005633	SOS1	Son of sevenless homolog 1 (Drosophila)	6.59×10^{-4}
	Hs.297792	NM_024911	FLJ23091	Putative NFkB activating protein 373	8.85×10^{-4}
	Hs.149466	NM_006165	NFRKB	Nuclear factor related to kappa B binding protein	1.04×10^{-3}
	Hs.370921	BQ029867	-	Transcribed sequence with similarity to protein sp:P48509 (H.sapien	1.09×10^{-3}
	Hs.309517	NM_002276	KRT19	Keratin 19	1.38×10^{-3}
	Hs.272499	NM_182908	DHRS2	Dehydrogenase/reductase (SDR family) member 2	1.63×10^{-3}

	Hs.436424	NM_152628	MGC39715	Hypothetical protein MGC39715	1.64×10^{-3}
Uterus	Hs.412559	NM_024549	FLJ21127	Hypothetical protein FLJ21127	3.71×10^{-5}
(21)	Hs.438821	CF619007	-	Homo sapiens transcribed sequences	4.80×10^{-5}
	Hs.114122	AA702474	-	Homo sapiens transcribed sequences	2.34×10^{-4}
	Hs.436852	NM_004460	FAP	Fibroblast activation protein, alpha	2.40×10^{-4}
	Hs.257008	NM_012268	PLD3	Phospholipase D3	1.12×10^{-3}
	Hs.194718	BX538141	ZNF265	Zinc finger protein 265	1.24×10^{-3}
	Hs.236646	NM_014213	HOXD9	Homeo box D9	1.34×10^{-3}
	Hs.439590	NM_032295	SLC37A3	Solute carrier family 37 (glycerol-3-phosphate transporter), member	1.56×10^{-3}
	Hs.117715	NM_005418	ST5	Suppression of tumorigenicity 5	1.89×10^{-3}
	Hs.356769	NM_000528	MAN2B1	Mannosidase, alpha, class 2B, member 1	1.91×10^{-3}
