

Table 3: Lists of differentially expressed genes between fetal (FK) and mature (MK) normal kidney

FK x MK							
up FK				up MK			
Sequence ACC	gene symbol	fold	pvalue	Sequence ACC	gene symbol	fold	pvalue
BI037226	POLS	2'010	0.003	AW371122	FKSG24	-26'110	0.003
AW604838	CDS1	2'010	0.012	BI017810	BCL3	-10'902	0.004
AW890018	PSMA5	2'017	0.001	L38707	DGKQ	-8'593	0.003
AB062287	HNRPF	2'018	0.005	L23116	GALC	-8'437	0.003
BE929401	NFAT5	2'019	0.003	BE075857	ZNF19	-7'910	0.003
BE710880	TPBG	2'023	0.001	AW863578	VLDLR	-6'443	0.003
NM_006112	PPIE	2'024	0.003	AW793024	MAGEH1	-6'127	0.018
AW371197	PAK1	2'026	0.003	BE170776	GLCE	-6'112	0.003
AK025956	COPZ1	2'033	0.001	BE003539	SOX9	-6'055	0.001
BE814130	ERBP	2'033	0.003	BF087424	PBXIP1	-5'891	0.001
BI017825	SYK	2'039	0.013	AJ002309	SYNGR3	-5'700	0.003
AW900721	SNAPC3	2'050	0.003	AW582172	NR4A2	-5'620	0.003
BC021106	MRPS16	2'058	0.012	AW604042	FXYD3	-5'144	0.003
BF767127	C6orf170	2'062	0.003	AW393825	MRPS28	-4'802	0.001
BI013186	NOLC1	2'081	0.021	BG004736	HSD11B2	-4'772	0.003
AW750281	TARS	2'083	0.005	AK000297	LUZP1	-4'589	0.003
BI029622	MANBAL	2'092	0.003	AL080118	C14orf109	-4'575	0.001
BQ316578	CCT7	2'093	0.003	BF820483	ANKH	-4'010	0.003
BQ334593	B4GALT5	2'093	0.008	BE184402	SLPI	-3'871	0.003
AW809205	WAC	2'094	0.004	BQ339434	MASS1	-3'826	0.003
BQ319440	RGS12	2'096	0.003	AW175991	USP13	-3'785	0.003
BC015895	SNAI2	2'108	0.019	BI002054	SORT1	-3'779	0.003
BF943501	COP55	2'109	0.003	AW862277	WDR48	-3'751	0.003
BF093873	LOC133619	2'110	0.003	AW370132	CDK2AP1	-3'643	0.003
BE702066	SCHIP1	2'115	0.003	BF373775	RGS5	-3'642	0.003
BI042336	NUP205	2'118	0.003	BE839717	CYP24A1	-3'628	0.007
BF771624	SIP1	2'132	0.003	AF222742	GPSN2	-3'626	0.009
AW391543	TOP2A	2'133	0.002	BF802467	C9orf74	-3'502	0.001
BE817051	RBMS3	2'137	0.003	BG989444	SMYD1	-3'494	0.001
BG984349	C6orf85	2'144	0.003	BE825506	HNMT	-3'429	0.003
AL049703	PDCD8	2'147	0.003	U59913	SMAD5	-3'395	0.017
AL133564	NA	2'150	0.002	BE714106	STEAP4	-3'352	0.004
BQ300376	MCM2	2'165	0.003	BC006243	RGS16	-3'336	0.003
BF874649	FLJ10081	2'166	0.003	BF084768	MRE11A	-3'286	0.003
BI048917	KCMF1	2'169	0.004	BG979976	CNN1	-3'275	0.003
NM_004668	MGAM	2'171	0.003	AW391612	FAM46A	-3'260	0.003
BE065335	LR8	2'171	0.004	AW581245	ABI3	-3'241	0.005

BF986322	PALM2-AKAF	2'173	0.001	BE767619	IFI44L	-3'232	0.001
BE818371	CHD7	2'175	0.002	AW799250	KCTD2	-3'226	0.003
BE930452	PARVA	2'177	0.003	BF229555	ST3GAL4	-3'197	0.003
AF039945	SYNJ2	2'180	0.003	BF874151	MRPS17	-3'192	0.001
BF769073	RPS16	2'187	0.003	AW885738	SGK	-3'185	0.004
BF798133	JMJD1C	2'188	0.004	BF798801	PDIK1L	-3'133	0.002
BE844201	TCF12	2'188	0.003	AL049369	DSCR1	-3'082	0.002
BF920339	SEC11L1	2'201	0.001	BF822399	NTN4	-3'073	0.003
AW367017	ambiguous	2'212	0.003	BF763635	GRIN2B	-3'051	0.003
BE004304	CYP1B1	2'212	0.006	BI010260	STC1	-3'047	0.022
BE832979	NHN1	2'215	0.003	BF829474	SLC25A29	-3'027	0.003
AW904800	KIAA0644	2'234	0.003	BI014388	EFHD1	-3'015	0.001
BE769509	COPS6	2'236	0.003	AW365779	CES1	-3'009	0.003
AF151813	SERBP1	2'241	0.003	BE775292	CYFIP2	-2'989	0.001
BE810796	UBE3B	2'242	0.001	BE840322	SYNPO2	-2'976	0.001
BE827689	CSNK1D	2'246	0.008	BF811848	SEH1L	-2'940	0.003
BI007468	LDB2	2'254	0.007	AL512749	SLC7A2	-2'930	0.001
BI013465	PRR8	2'265	0.003	AW895945	ambiguous	-2'902	0.003
BE833238	NANS	2'287	0.003	BC009678	RARRES3	-2'890	0.003
AW361544	ROCK2	2'293	0.003	BF087461	PLAU	-2'880	0.010
BF897076	CD59	2'304	0.022	M88461	NPY1R	-2'871	0.005
BI003883	CFLAR	2'306	0.003	BQ328194	HLA-F	-2'855	0.002
BF800006	S100P	2'308	0.005	AW935157	TP53INP2	-2'855	0.011
BE933907	SPCS3	2'309	0.006	BC011353	LPL	-2'848	0.009
BG951026	C15orf20	2'315	0.013	AW854057	GPR35	-2'845	0.003
BE934848	RHOBTB1	2'328	0.003	BI011956	ITPK1	-2'782	0.003
BC002352	DNAJB1	2'339	0.003	BF881199	TRADD	-2'780	0.003
BF831184	DNAJA4	2'345	0.001	BE702360	CELSR2	-2'751	0.003
AW992255	ambiguous	2'358	0.003	BF957791	ambiguous	-2'745	0.003
AK000445	HOXC9	2'359	0.003	BC005157	TCTA	-2'735	0.003
BF813119	AKAP8L	2'362	0.021	AL110264	DENND3	-2'707	0.003
BE767943	ZFP36L1	2'363	0.003	BG994639	HSA272196	-2'704	0.001
BF921689	EML4	2'363	0.003	BF819994	PARD6A	-2'699	0.003
AW379482	UBE2B	2'366	0.003	BE843445	TMED2	-2'695	0.003
BF888717	MSH6	2'377	0.003	BE715200	APRT	-2'690	0.023
AW367999	RNF13	2'386	0.003	BF091446	HMGCS2	-2'677	0.001
AW377048	ARPC2	2'389	0.004	BQ338608	CYFIP2	-2'651	0.001
BG979000	C20orf14	2'398	0.002	BE159811	MRPL47	-2'651	0.003
BI000305	NKRF	2'403	0.003	AK000222	METTL3	-2'627	0.003
AW818769	C21orf59	2'423	0.001	BF375650	CPVL	-2'622	0.003
BF735072	AASDHPPT	2'427	0.002	AW392633	EYA2	-2'618	0.003
BF851636	DKFZP564K19	2'430	0.003	BE926721	ANKRD2	-2'612	0.020

AK056075	NA	2'435	0.001	AW799307	GLDC	-2'596	0.003
AF012126	ZNF198	2'436	0.003	BE843326	SOX17	-2'588	0.003
BF813609	ATP9A	2'437	0.003	Y09943	BTG2	-2'584	0.003
BE767038	PLEKHC1	2'439	0.003	AW866073	DSCR1L1	-2'580	0.004
BF819565	SFPQ	2'442	0.002	BF846708	PDXK	-2'575	0.003
BG001122	PTPN12	2'444	0.001	BF846123	ADC	-2'571	0.004
AW385157	PFDN5	2'444	0.017	BF996555	IL6ST	-2'569	0.003
BQ316492	MET	2'449	0.007	S52873	CDA	-2'555	0.002
AW861509	UBAP2	2'449	0.003	BI047257	CKMT2	-2'554	0.003
AW898232	APC	2'461	0.009	U47918	FBP1	-2'544	0.003
BE694411	LOC51035	2'464	0.003	BG945862	PFDN2	-2'543	0.001
AW362944	KIAA1280	2'466	0.016	BE715826	HS3ST1	-2'541	0.003
AW368077	SDCCAG10	2'477	0.001	BC004907	EPS8L1	-2'518	0.001
BE763842	TLOC1	2'485	0.001	AW386757	SYP	-2'485	0.020
BF961718	MARK1	2'488	0.013	BC001663	ambiguous	-2'468	0.007
AW608814	MUTED	2'490	0.003	AW820109	ATP5H	-2'437	0.003
BQ340277	ABI2	2'497	0.003	BF957370	ZYG11B	-2'435	0.015
AW385628	GUCY1A3	2'498	0.001	BE695705	SAT	-2'416	0.008
AW361909	RPL18	2'524	0.008	BE928759	PHYH	-2'412	0.003
BI006287	KLHDC2	2'528	0.003	BE938522	DAP	-2'400	0.002
BF808559	PRO2730	2'536	0.003	BE935001	CPSF6	-2'397	0.003
BE763856	SAS10	2'560	0.001	NM_002714	PPP1R10	-2'391	0.003
BF336739	PUM1	2'563	0.003	AB037859	MKL1	-2'389	0.010
AB033064	FAM80B	2'567	0.003	BF742976	MLLT6	-2'384	0.004
BC005145	GDI2	2'571	0.003	BF082447	KEL	-2'378	0.005
AL110225	DBN1	2'575	0.003	BE928957	C14orf130	-2'372	0.012
BE769144	MKRN1	2'589	0.003	AW997085	CD44	-2'369	0.012
BF349486	MRFAP1	2'593	0.003	BE811192	MRPL27	-2'333	0.003
AW994907	RPL15	2'596	0.001	AB011004	UAP1	-2'327	0.002
NM_012417	PITPNC1	2'601	0.003	BF819760	RHBG	-2'322	0.010
BI021150	DEFA4	2'610	0.003	AJ420562	PKIB	-2'321	0.003
AW606846	RNUXA	2'620	0.002	AK023512	SPAG9	-2'307	0.003
AW993456	RPL22	2'630	0.003	BI019208	SCNN1A	-2'301	0.013
BC014131	RPUSD4	2'630	0.003	BF804839	SPATA20	-2'282	0.003
BF767420	GPR3	2'638	0.003	AW821152	MAN1C1	-2'282	0.001
BF920151	AASS	2'642	0.003	AW748743	SRPX	-2'278	0.013
BE006198	PRC1	2'658	0.001	BE000876	KIAA1815	-2'271	0.015
BF798551	KIAA1211	2'661	0.001	BG993300	ADH1B	-2'270	0.002
AW364266	SRD5A2L	2'661	0.003	AW796413	C9orf72	-2'258	0.001
BE926073	SPON1	2'667	0.015	BQ339531	AK1	-2'255	0.003
AW364885	CLDN2	2'672	0.015	AW891548	PFKP	-2'245	0.003
BE074346	EIF3S3	2'690	0.003	BE152165	RAB8A	-2'244	0.002

BF871672	BOC	2'706	0.003	BG951090	FLJ21511	-2'231	0.003
BE938548	FKBP10	2'723	0.003	AF093262	HOMER1	-2'230	0.017
BE926531	CMYA5	2'738	0.003	BF991066	GAS2L1	-2'211	0.001
BE768344	ENTH	2'762	0.003	AW363105	PRKAG2	-2'210	0.002
BI044792	CBLB	2'799	0.003	BF828421	FRAS1	-2'199	0.003
BI046232	LEREPO4	2'801	0.003	BQ292861	HIGD1B	-2'193	0.001
BF952507	RAP2A	2'806	0.003	BG999611	SLC4A5	-2'192	0.015
BF902394	FGL2	2'827	0.003	BG998789	FOXP1	-2'190	0.003
BF815299	CSDE1	2'833	0.001	BF959926	TA-PP2C	-2'181	0.014
AF038404	SEPT2	2'866	0.003	AW867112	ASH1L	-2'180	0.004
BI059343	TIMM17A	2'882	0.001	BF229686	C1orf56	-2'174	0.001
BI059123	ACLY	2'887	0.002	BE168307	CKLFSF4	-2'150	0.021
AW821029	PLXND1	2'891	0.007	BF960230	COX7B	-2'144	0.001
AK054972	MTHFS	2'899	0.003	NM_006570	RRAGA	-2'142	0.003
AW865864	ANXA4	2'899	0.003	AW364947	SCOTIN	-2'133	0.003
AW839114	MERTK	2'909	0.003	BF955180	FLJ20366	-2'133	0.003
AW385642	RIPK2	2'919	0.003	AW878310	HNRPH3	-2'130	0.015
BG994188	FLJ21908	2'931	0.001	BF819823	KLHL21	-2'126	0.003
BF880478	DAB2IP	2'934	0.003	BF229725	MMP1	-2'124	0.003
BF358017	PGEA1	2'937	0.003	M75952	TLX1	-2'121	0.007
BE826004	FLJ13213	2'945	0.003	BF881941	GREM1	-2'120	0.009
AF276893	PAK6	2'950	0.003	BF876289	KBTBD2	-2'112	0.003
BF921490	SALL2	2'960	0.003	BQ321651	LOC388134	-2'102	0.003
AW891768	MOXD1	2'965	0.001	AF052117	CLCN4	-2'096	0.004
AW383995	RBM9	2'970	0.003	BF892305	BZRP	-2'091	0.015
BF807986	PPHLN1	2'978	0.001	BQ310028	C6orf136	-2'089	0.003
AW607658	UACA	2'981	0.003	BG002017	CSF2RB	-2'079	0.018
M96859	DPP6	3'046	0.003	AW393741	PHLDA3	-2'076	0.021
NM_017792	NA	3'046	0.003	BF377810	CLIC1	-2'057	0.003
BE005493	SFRP1	3'048	0.003	AW577006	MXD4	-2'042	0.014
BF737415	GLG1	3'085	0.001	AW835215	PLCG2	-2'040	0.003
BF094245	SLC27A2	3'105	0.003	BF946019	JPH4	-2'036	0.003
AW884696	PLCL2	3'106	0.003	AW994919	BCL10	-2'036	0.015
BF090168	KBTBD11	3'119	0.001	BC012423	SOD2	-2'034	0.003
BE719302	C1orf165	3'136	0.001	BF812924	COX5B	-2'020	0.017
BE168153	CCT2	3'143	0.003	BC000043	ARF4L	-2'020	0.003
BF820015	FLJ11806	3'152	0.003	BE835958	TJP2	-2'019	0.011
BF910853	NMI	3'185	0.003	BC033071	GRTP1	-2'017	0.019
BE818267	ambiguous	3'241	0.003	AW796618	OSR2	-2'016	0.006
BC011786	LOC492304	3'271	0.003	BE767441	PTGS1	-2'009	0.007
BF817318	GTF2IRD1	3'272	0.006	AW370668	CD276	-2'008	0.023
BF943453	ROBO1	3'279	0.001	BE174045	YSG2	-2'007	0.019

AW804706	ACSL5	3'292	0.004
AF158378	AMACR	3'296	0.003
BC017064	TTMP	3'372	0.003
BQ300473	CD207	3'377	0.003
BF903122	S100A12	3'423	0.003
AW891485	NEK11	3'428	0.001
BF081837	FADS1	3'524	0.003
AW901047	PRICKLE1	3'550	0.003
BQ304273	JRK	3'550	0.003
BF769303	CRYZL1	3'560	0.003
NM_000917	P4HA1	3'567	0.006
BF989454	C15orf15	3'588	0.003
AK057803	ANKRD11	3'589	0.003
BE826039	CLIC4	3'594	0.003
BF930844	BAZ2B	3'608	0.003
AW579059	ARHGAP17	3'612	0.003
BF155684	TIPRL	3'696	0.003
BG006378	SNRP70	3'714	0.006
BE812075	LASS2	3'780	0.003
BI044030	TPX2	3'798	0.003
BF805543	BIN1	3'815	0.001
BC033089	LCN2	3'815	0.003
AW363009	MUC13	3'831	0.001
AW884049	MAP1LC3B	3'853	0.003
AW378442	TP53INP1	4'071	0.003
NM_018212	ENAH	4'105	0.005
BG987006	ZNF395	4'231	0.003
BE826174	ALCAM	4'316	0.003
BE010132	HMOX1	4'355	0.001
AW946977	KIAA0261	4'400	0.003
BC008357	D15Wsu75e	4'470	0.003
NM_001057	TACR2	4'482	0.001
AW840524	C20orf47	4'567	0.003
AW875596	STAR	4'643	0.003
AW839499	DNAPTP6	4'687	0.003
BG009056	DLK1	4'700	0.003
BQ312371	MEST	4'705	0.003
BF379035	GALNT11	4'874	0.003
BE716219	SQRDL	4'942	0.003
AW801248	ZNF83	5'137	0.003
M11315	COL4A1	5'238	0.003
BI042253	CLK1	5'303	0.003

BE934282	PPP2R2A	5'322	0.003
AW837156	HSPH1	5'596	0.001
BF746371	LMAN2	5'798	0.001
BE708344	DCUN1D4	5'871	0.003
BF854150	C6orf48	5'920	0.003
BE843419	MRPL22	6'175	0.003
BF803043	GLTSCR2	6'315	0.002
AW862084	ZNF189	6'748	0.003
BE762418	RPL5	7'204	0.003
BF087631	LRP2	7'211	0.001
AW852329	PXDN	7'299	0.003
BF807883	VIL1	7'334	0.003
BI003885	COPB2	7'654	0.003
BQ368170	GPC3	7'791	0.003
AW385724	DPP4	9'483	0.003
AW854063	ANXA13	11'909	0.003
AW797111	HSPA6	20'794	0.003