

Table 2: Lists of differentially expressed genes between Blastemal component (BL) from Wilms tumor and fetal kidney (FK) (* genes with concomitant expression in FKxMK)

BL x FK							
up BL				up FK			
Sequence ACC	gene symbol	fold	pvalue	Sequence ACC	gene symbol	fold	pvalue
AW389895	UBE2R2	2'003	0.001	BE070870	PTPRO	-26'486	0.001
BI044601	NUP107	2'008	0.001	AW797111	FCGR2B	-14'034	0.001
AW997536	DYNC1LI2	2'019	0.001	BG957388	LGALS4	-11'647	0.001
AF070622	RAI17	2'020	0.001	AW385724	DPP4	-11'584	0.001
BF376173		2'033	0.001	AW371798	CRYL1	-10'641	0.001
BE938522	DAP	2'063	0.001	BE768572	TMPRSS2	-9'724	0.001
AW606362	CHST10	2'086	0.001	BF094245	SLC27A2	-7'855	0.001
BE826059	NCOA6	2'087	0.001	BE184281	PDZK1IP1	-7'797	0.001
BE931846	NELL2	2'090	0.010	BF087631	LRP2	-7'756	0.001
AW843837	RBBP6	2'100	0.001	BF375643	TSPAN8	-7'665	0.001
BI032631	PCM1	2'106	0.001	BF807883	VIL1	-7'363	0.001
AW900113	TTYH3	2'137	0.001	AW854750	NOS3	-6'703	0.001
AW895945	MAPT	2'140	0.001	BC022426	GJB1	-6'300	0.001
BF893580	RIPK5	2'142	0.001	AW381525	IMPA2	-6'235	0.001
AW577482	DHX9	2'150	0.001	AW865864	ANXA4	-6'064	0.001
BE178648	PLAGL1	2'151	0.003	AW854063	ANXA13	-6'059	0.001
AW866514	PTPN11	2'154	0.001	BE172254	KCNJ15	-5'976	0.003
AW379598	PEG10	2'165	0.009	BG000070	C7	-5'957	0.001
AW361991	GOSR1	2'197	0.007	BE004304	CYP1B1	-5'873	0.001
AW375114	CHAF1A	2'200	0.001	BQ330435	CTSH	-5'867	0.001
BF889142	CREBBP	2'220	0.001	BF879245	PTPN23	-5'712	0.001
BE818297	RAD51C	2'227	0.001	BF902394	FGL2	-5'623	0.001
AK000445	HOXC9	2'232	0.001 *	BF918570	JPH3	-5'580	0.001
AB046777	ARID2	2'257	0.001	AW900685	HOP	-5'161	0.001
AW900776	POGK	2'260	0.001	CV351278	FBP1	-5'159	0.003 *
AK022670	C20orf6	2'261	0.001	BF091446	HMGCS2	-5'134	0.001 *
BQ325459	RAD23B	2'277	0.001	AW801248	ZNF83	-5'090	0.001
BF807945	PHIP	2'282	0.001	AW875596	STAR	-4'926	0.001
NM_018212	ENAH	2'283	0.001 *	BE005493	SFRP1	-4'798	0.001
BC026329	GJA1	2'296	0.009	BF736000	CRYZ	-4'744	0.001
BI000305	NKRF	2'298	0.005 *	BG987916	LAD1	-4'740	0.001
AW898232	APC	2'302	0.001 *	BC015134	THBS1	-4'661	0.001
BF852789	EIF2AK2	2'324	0.002	AF158378	AMACR	-4'646	0.001
BI061273	LAMA4	2'333	0.010	BF832940	INADL	-4'584	0.001
AW579879	ZKSCAN1	2'333	0.001	BF836212	S100A9	-4'525	0.001
BG994037	ALDH18A1	2'338	0.001	BE703382	GPRC5B	-4'478	0.001
AK056630	ZKSCAN1	2'343	0.001	BQ368170	GPC3	-4'458	0.001
BF929566	MAP4K4	2'344	0.001 *	BE840880	PRG1	-4'433	0.001
BE830628	KIAA0310	2'346	0.001	BF998279	GNG11	-4'423	0.001
AW606643	PIK3R3	2'350	0.001	AW579835	GPR56	-4'411	0.001
BF767420	GPR3	2'358	0.001 *	AW363009	MUC13	-4'393	0.001
BF090134	TCF4	2'362	0.002	AW364266	SRD5A2L	-4'374	0.001
BE693240	TRIO	2'363	0.001	BG994232	CTSC	-4'335	0.001
AW363282	EHHADH	2'376	0.001	AL049974		-4'272	0.001
AW610118	EXOC3	2'387	0.001	BF961008	C9orf58	-4'107	0.001
BF094194	ECT2	2'389	0.001	BE711936	AKR1B10	-4'081	0.001

AW795371	TTK	2'399	0.001	BG959649	MDM4	-4'066	0.001
AW391612	FAM46A	2'417	0.004	BE818267	MALAT1	-4'005	0.001
AF308294	KIF15	2'425	0.003	BE767038	PLEKHC1	-3'985	0.001
BE714106	STEAP4	2'425	0.009	BG015887	GDF15	-3'958	0.001
BF758468	POLQ	2'433	0.001	BC008588	PLS3	-3'948	0.001
AW370556	NAGK	2'443	0.001	AW891768	MOXD1	-3'943	0.001
BF929919	ARHGAP22	2'445	0.008	BE010132	HMOX1	-3'943	0.001
BG996952	EME1	2'471	0.005	BE184222	ST14	-3'940	0.001
BC000422	ARIH2	2'496	0.001	BE716219	SQRDL	-3'910	0.001
BE708499	DLC1	2'509	0.001	BG003832	CAPG	-3'820	0.003
AW367991	SFT2D3	2'510	0.001	AK074285	FAM84B	-3'815	0.003
AW818769	C21orf59	2'520	0.001 *	AW816301	ATP5L	-3'761	0.001
BQ375433	NOS3	2'546	0.001	BF987589	C1orf135	-3'713	0.001
AF301222	NY-REN-41	2'549	0.001	BF993159	CAPZA2	-3'698	0.001
AW387862	ASB9	2'551	0.001	AW582622	PPL	-3'657	0.001
BI046408	JARID2	2'555	0.001	BF376147	COMT	-3'627	0.001
BQ300376	MCM2	2'560	0.010 *	BF888598	CHMP5	-3'593	0.001
BE711992	ADCY2	2'568	0.004	BF800006	S100P	-3'587	0.001
BF839730	PTPLAD1	2'573	0.001	BQ330774	SEC11L3	-3'569	0.001
BE814748	RAB2	2'582	0.001	BG004736	HSD11B2	-3'566	0.003 *
AF071593		2'598	0.004	AF207664	ADAMTS1	-3'526	0.001
AW361544	ROCK2	2'617	0.002 *	BG009056	DLK1	-3'514	0.002
BE156108	LETMD1	2'628	0.003	AW364885	CLDN2	-3'481	0.001
BE835884	NAG	2'664	0.003	BF892305	TSPO	-3'463	0.001
AW384835	CRABP2	2'673	0.003	AW377644	CAT	-3'393	0.001
BE006198	PRC1	2'676	0.003 *	BE003667	FLJ20273	-3'387	0.001
BE818371	CHD7	2'694	0.001 *	BF944874	DHRS3	-3'385	0.006
BE171753	ATPIF1	2'714	0.001	AW835215	PLCG2	-3'366	0.001 *
AW992050	RFX5	2'718	0.001	BC004907	EPS8L1	-3'351	0.003 *
AK027309	QKI	2'756	0.001	BE716905	EGFR	-3'343	0.001
BF744447	ELF2	2'757	0.001	BF881754	HECTD3	-3'282	0.001
BF819180	ALDH1A3	2'775	0.001	AW854184	RNF141	-3'276	0.001
BF943213	TMEM118	2'781	0.001	BF930844	BAZ2B	-3'250	0.001
AW937296	CDCA2	2'787	0.001	AW385157	PFDN5	-3'250	0.001
AW805726	SUV420H1	2'811	0.001	BF903122	S100A12	-3'245	0.001
BG958887	CDCA8	2'823	0.003	BE826174	ALCAM	-3'218	0.004
BF087424	PBXIP1	2'895	0.001	BE843446	STK3	-3'211	0.001
BE144847	PSME4	2'927	0.003	BF828943	NMRAL1	-3'205	0.004
AW384023	FRZB	2'948	0.002	BQ345628	TSC22D3	-3'191	0.001
BE003539	SOX9	2'954	0.001	AW370761	SLC22A18	-3'189	0.004
AW863578	VLDLR	2'968	0.002	BE774740	PLTP	-3'185	0.001
BF911621	AUTS2	3'080	0.001	BF894088	MTPN	-3'165	0.001
BE694581	PIAS3	3'090	0.001	BF831184	DNAJA4	-3'119	0.001
BQ325477	ENC1	3'122	0.002	BF354583	LCN2	-3'118	0.001
AW370132	CDK2AP1	3'188	0.001	AW935141	RBM35B	-3'105	0.001
BQ321651	NEO1	3'291	0.001	BQ304779	PLOD2	-3'087	0.001
BI044030	TPX2	3'308	0.001 *	BG986387	TMEM9	-3'079	0.005
BE075857	RPL27	3'349	0.001	AW837156	HSPH1	-3'067	0.001
BF960609	PEX12	3'402	0.001	BF092878	ITM2B	-3'051	0.001
BE767619	IFI44L	3'437	0.001	BF363417	ASAH1	-3'036	0.003
AW384593	TIMELESS	3'438	0.001	AW937798	PAPSS2	-3'029	0.001
BE167954	RPS2	3'445	0.002	BG997034	SPINT2	-2'994	0.001

BQ368557	MAST4	3'611	0.001	AW391502	NOX4	-2'990	0.001
BF373775	RGS5	3'616	0.001	BF747873	PRPF40B	-2'988	0.001
L23116	GALC	4'069	0.001	S52873	CDA	-2'936	0.001 *
BG998789	FOXP1	4'658	0.001	NM_003816	ADAM9	-2'899	0.001
BF829350	RGS16	4'699	0.002	AW884081	CBR1	-2'885	0.001
AW382924	THBS4	4'723	0.001	BI005735	HSPA12A	-2'884	0.001
AW367997	EXTL2	5'201	0.001	BQ318642	PTPN3	-2'881	0.001
BG990573	MGAT1	5'204	0.001	BQ375071	PGCP	-2'871	0.005
BG989444	SMYD1	5'580	0.001	BE709006	IGFBP4	-2'855	0.010
BI017810	BCL3	6'149	0.006	BE817826	TM9SF2	-2'852	0.001
CK326978	SLC26A1	12'805	0.001	BQ352820	SLC30A9	-2'841	0.001
AW793024	MAGEH1	15'061	0.001	BI021150	DEFA4	-2'837	0.001
				BF854014	HPGD	-2'836	0.001
				AK000122	MGC35048	-2'832	0.002
				BF819171	ARMC6	-2'830	0.001
				BE714658	MGST3	-2'829	0.001
				BE004752	RARRES1	-2'811	0.001
				BE841332	RNASE1	-2'791	0.002
				BF856421	C1orf172	-2'771	0.001
				BF851114	LPL	-2'767	0.001 *
				AW899432	RG9MTD3	-2'764	0.002
				AW361928	SLC37A1	-2'760	0.002
				BF748528	FES	-2'757	0.001
				BF086797	ADFP	-2'730	0.001
				BF815300	IVNS1ABP	-2'730	0.001
				M11315	COL4A1	-2'705	0.002
				BF769073	RPS16	-2'703	0.001
				BC007649	AGRN	-2'667	0.001
				NM_144686	TMC4	-2'660	0.005
				BF951903	CCBL1	-2'654	0.001
				BF985269	NEDD9	-2'639	0.006
				AW900072	KIAA0103	-2'629	0.001
				BF929559	FLJ22662	-2'623	0.001
				BC033039	LGR4	-2'619	0.001
				AB028019	LATS2	-2'613	0.001
				AW368601	NOLA3	-2'606	0.001
				BF945746	PALM	-2'604	0.003
				BC027877	TEAD3	-2'600	0.001
				BE702066	SCHIP1	-2'587	0.001
				BF735384	P4HA1	-2'586	0.001
				BG009559	GRB7	-2'569	0.001
				BI013465	PRR8	-2'542	0.001
				BE926073	SPON1	-2'529	0.006
				BQ350306	PRDX3	-2'529	0.001
				BE066048	PIK3C3	-2'527	0.001
				BF806843	FAM65A	-2'524	0.001
				BE932430	FOSL2	-2'515	0.003
				BF766837	TST	-2'511	0.001
				BG952316	HGD	-2'508	0.001
				BQ372768	PEPD	-2'502	0.001
				BF846692	F11R	-2'490	0.002
				BF767127	C6orf170	-2'487	0.004

BE763887	CPE	-2'478	0.004
BF844001	LRP10	-2'477	0.001
BE939351	COQ9	-2'471	0.001
BF761138	DCXR	-2'466	0.006
BF826997	GATM	-2'459	0.001
AW796618	OSR2	-2'455	0.001 *
BE082138	YLPM1	-2'447	0.001
AW804706	ACSL5	-2'439	0.005
AW902185	TPD52	-2'438	0.001
BI047245	OLFM1	-2'438	0.002
BF816347	ATP5J2	-2'434	0.001
BE089360	DIAPH2	-2'420	0.001
AW902143	EPB41L5	-2'418	0.001
AW866947	CDC14A	-2'417	0.001
BF362265	BLCAP	-2'416	0.001
BE171117	IFNAR2	-2'415	0.003
BC033071	GRTP1	-2'415	0.001
AW748265	CYB5R4	-2'402	0.001
BE767441	PTGS1	-2'394	0.001 *
BE816902	C3orf28	-2'391	0.001
BF761019	PROS1	-2'370	0.001
BF879583	NAPA	-2'366	0.001
BI031027	TXNIP	-2'360	0.001
BC008357	D15Wsu75e	-2'360	0.001
BF881199	TRADD	-2'359	0.008 *
BF735828	PDZRN3	-2'349	0.010
CV361093	DARS	-2'342	0.001
BE172635	CLDN8	-2'342	0.001
BF155978	IL1R2	-2'338	0.003
BE819436	SKP1A	-2'324	0.001
AW892707	BET1	-2'321	0.003
BE813180	SLBP	-2'320	0.001
AW361013	ST6GALNAC2	-2'317	0.001
NM_006112	PPIE	-2'316	0.001
NM_012417	PITPNC1	-2'316	0.001
AW361909	RPL18	-2'298	0.002
BF905693	IL1RL1	-2'279	0.001
BE711900	NQO2	-2'275	0.001
BE930290	GDAP2	-2'275	0.001
BG982805	TMEM147	-2'270	0.001
M63573	PPIB	-2'264	0.009
BE927669	STARD3NL	-2'255	0.001
BE836871	PRKAB1	-2'249	0.001
AW379161	RNF19	-2'247	0.001
BE165719	PPARGC1A	-2'247	0.001
NM_000851	GSTM5	-2'236	0.002
BF371928	TMEFF2	-2'233	0.002
AW938172	STX3	-2'219	0.001
BF761761	TACSTD1	-2'219	0.006
BE174343	PLVAP	-2'218	0.003
BE833363	LITAF	-2'205	0.001
BQ353573	CYLD	-2'201	0.001

AW393101	ACSL4	-2'186	0.001
AW946376	PGRMC1	-2'183	0.001
BF846568	C2orf28	-2'177	0.001
AK026295		-2'174	0.001
BQ335922	NCKAP1L	-2'168	0.001
BF954314	MRPS35	-2'166	0.001
BQ314808	ELN	-2'166	0.001
BF803813	PTPRG	-2'154	0.001
AW842249	ZNF266	-2'153	0.001
BF771624	SIP1	-2'151	0.001
BQ319440	RGS12	-2'141	0.001
BQ300495	CHD8	-2'137	0.002
AW796146	HMGCL	-2'136	0.005
BI039015	CUEDC2	-2'135	0.002
BC002352	DNAJB1	-2'133	0.001
BE841696	COTL1	-2'131	0.001
AW838364	HADHB	-2'126	0.001
AW888741	PAWR	-2'125	0.001
BF375650	CPVL	-2'123	0.001 *
AW798550	FUCA1	-2'114	0.001
AW394127	PLAT	-2'114	0.001
BF930541	CHPT1	-2'104	0.001
AW580769	FAM107B	-2'103	0.001
BI019208	SCNN1A	-2'101	0.001
BQ302953	C2orf25	-2'094	0.001
BI028823	GENX-3414	-2'085	0.001
BF084768	MRE11A	-2'080	0.001 *
BF090168	KBTBD11	-2'077	0.002
BE829257	ADPRHL2	-2'069	0.003
BG945225	UXT	-2'069	0.001
BF954150	GYG1	-2'063	0.001
BC032528	LTA4H	-2'062	0.001
BF085141	GBAS	-2'056	0.001
BI006287	KLHDC2	-2'055	0.001
AW382377	PHF11	-2'051	0.004
BE081583	ARF3	-2'050	0.002
BF814144	C1orf103	-2'048	0.001
U17743	MAP2K4	-2'048	0.001
BF989454	C15orf15	-2'045	0.001
BF733585	CTNNAL1	-2'043	0.001
BF995787	SLC44A2	-2'041	0.010
BF833125	DUSP1	-2'038	0.009
BI042379	WDR13	-2'036	0.001
BI005334	ATAD4	-2'036	0.001
BQ300473	CD207	-2'035	0.001
BG961592	ARHGEF10L	-2'023	0.002
BE939551	GHITM	-2'023	0.002
BF994020	PGD	-2'023	0.001
NM_004668	MGAM	-2'020	0.001
AW805136	SUMF1	-2'018	0.001
BF946019	JPH4	-2'014	0.001 *
AW369854	WWP2	-2'005	0.001

BE774514	SNX14	-2'002	0.001
BF851636	TMEM98	-1'999	0.004
BF083478	BTG3	-1'998	0.001