

**Differential interleukin-1 $\beta$  induction by uropathogenic Escherichia coli correlates with its phylotype and serum C-reactive protein levels in Korean infants.**

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**Supplementary Table 1**

Strains	phoA	phylotype	Pathotyping								CRP (mg/L)	WBC/mm <sup>3</sup>	DMSA	VUR	Sonography	Disease Diagnosis	Cell viability (Average)	IL-1 $\beta$ (pg/ml)				Relative IL-1 $\beta$ (Fold of <i>P. mirabilis</i> group)				TNF- $\alpha$ (pg/ml)				Relative TNF- $\alpha$ (Fold of <i>P. mirabilis</i> group)				
			papC	sfa/foc	afaC	fimH	iucC	cnf	hly	No. of virulence gene								Experiment 1 (Average)	Experiment 2 (Average)	Average	SD	Experiment 1 (Average)	Experiment 2 (Average)	Average	SD	Experiment 1 (Average)	Experiment 2 (Average)	Average	SD	Experiment 1 (Average)	Experiment 2 (Average)	Average	SD	
EC1082	P	D	N	N	N	P	P	N	N	2	38.8	24030	No cortical defect in both kidneys.	-	No remarkable findings.	Acute pyelonephritis	111.9517	329.298	119.8291	224.5636	148.1169	0.8378870771	0.206289155	0.522	0.446607	6102.919	7454.452	6778.686	955.6781	0.918750821	0.918750821	0.918750821	0.918750821	0.000207
EC1280	P	B2	P	N	N	N	N	N	N	1	133.1	21490	No cortical defect in right kidney. Multiple cortical defects on left kidney. - REC) F/U scan.	-	R/O Urachal remnant at bladder dome.	Acute pyelonephritis	113.6	1069.520733	903.2623333	986.3915	117.5624	1.613638428	1.901240675	1.757	0.203365	6934.4264	7382.066533	7158.246	316.5294	0.959680614	1.012998762	0.98634	0.037702	
EC129	P	D	P	N	N	N	P	P	N	3	5.8	6680	No cortical defect in both kidneys.	-	No remarkable findings.	Urinary tract infection	115.8545	139.4876667	423.8743333	281.681	201.0917	0.210451889	0.892196092	0.551	0.482066	5654.922667	6362.41	6008.666	500.2691	0.782605416	0.873077129	0.827841	0.063973	
EC134	P	B2	P	N	N	N	P	N	N	2	36.4	10800	No cortical defect in both kidneys.	-	No remarkable findings.	Acute pyelonephritis	114.876	385.046	103.1395	244.0928	199.338	0.979735885	0.177557541	0.579	0.567226	5693.0115	7484.878	6588.945	1267.041	0.857314821	0.922500783	0.889908	0.046093	
EC153	P	D	N	N	N	N	P	P	N	2	1.5	11210	No cortical defect in both kidneys.	-	No remarkable findings.	Acute pyelonephritis	100.1455	766.5143333	485.3343333	625.9243	198.8243	1.156477799	1.021560782	1.089	0.095401	5410.436933	7079.404133	6244.921	1180.138	0.748770142	0.971466132	0.860118	0.15747	
EC168	P	B2	P	N	N	N	P	P	N	3	12.1	23650	No cortical defect in both kidneys.	-	Bladder wall thickening, R/O Cystitis	Acute pyelonephritis	97.96567	969.4045	41.5966	505.5006	656.0593	2.466615353	0.071609713	1.269	1.693525	5328.8105	6140.847	1148.393	0.802469523	0.85693264	0.829701	0.038512		
EC172	P	B2	N	N	P	P	P	N	N	3	60.8	25090	No cortical defect in right kidney. Suspicious cortical defect on left kidney upper portion. - REC) F/U.	-	Bladder wall thickening, R/O Cystitis.	Acute pyelonephritis	100.9455	471.6423333	980.0873333	725.8648	359.5249	0.711589939	2.062946537	1.387	0.955553	1439.8864	6826.030267	4132.958	3808.579	0.199271142	0.936697086	0.567984	0.521349	
EC1759	P	B2	N	N	P	P	P	N	N	3	14.1	12990	Unremarkable renal scan	-	Bladder wall thickening, R/O Cystitis.	Urinary tract infection	106.2396	2388.768933	337.438	1363.103	1450.51	0.201	0.796	0.498	0.421018	8637.9436	7687.745767	8162.845	671.8913	0.925	0.906	0.915262	0.013117	
EC1768	P	B2	P	N	N	N	P	P	N	4	42.7	15590	Unremarkable renal scan	-	No remarkable findings.	Urinary tract infection	2.412646	6214.329617	3940.0588	5077.194	1608.152	2.342	2.071	2.206	0.191739	8112.7959	5354.9495	6733.873	1950.092	0.644	0.851	0.747449	0.14631	
EC211	P	D	N	N	N	N	P	P	N	2	0.9	18810	No cortical defect in both kidneys.	-	Gall bladder stones.	Acute pyelonephritis	98.09282	591.61225	467.5291	529.5707	87.74004	1.505336378	0.804864453	1.155	0.495308	6006.4275	7280.194	6643.311	900.6889	0.904512369	0.897273765	0.900893	0.005118	
EC220	P	D	N	N	N	N	P	P	N	2	29.4	15240	No cortical defect in both kidneys.	-	No remarkable findings.	Acute pyelonephritis	106.1818	87.9698	225.1536667	156.5617	97.00364	0.132724355	0.473916927	0.303	0.24126	5852.555733	6230.7172	6041.636	267.4005	0.809956578	0.855005679	0.832481	0.031855	
EC2689	P	B2	P	P	N	N	P	P	N	5	42.9	10240	Hydronephrosis/reflux of Left kidney	-	No remarkable findings.	Urinary tract infection	6.738769	4732.822567	4711.8592	4722.341	14.82334	2.801	1.577	2.189	0.865186	4867.4026	5516.436583	5191.92	458.9363	0.663	0.511	0.586964	0.108115	
EC291	P	D	P	N	N	N	P	N	N	2	41.3	10850	Unremarkable renal scan	-	Mild left hydronephrosis.	Urinary tract infection	95.34109	1053.1174	435.7396	744.4285	436.552	0.259	0.351	0.305	0.064999	8344.6793	7873.225217	8108.952	333.3684	0.947	0.875	0.911035	0.05064	
EC314	P	B2	N	N	N	P	N	P	N	4	51.7	10460	Unremarkable renal scan	-	Bladder wall thickening, R/O Cystitis.	Urinary tract infection	88.17218	628.5705	699.4991667	664.0348	50.15414	0.598	0.155	0.377	0.313835	14925.84533	10962.65683	12944.25	2802.397	1.036	0.786	0.910703	0.176671	
EC378	P	B2	P	N	N	N	P	N	N	2	36.4	14790	No cortical defect in both kidneys.	-	Bladder wall thickening, R/O Cystitis.	Acute pyelonephritis	96.58182	41.197	133.988	87.5925	65.61315	0.062155936	0.28202597	0.172	0.155472	4972.577467	6121.358267	5546.968	812.3107	0.68817317	0.839998978	0.74086	0.107357	
EC388	P	B2	P	N	N	N	P	N	N	2	36.7	16770	No cortical defect in right kidney. Possible multiple cortical defects on left kidney. - REC) F/U.	VUR, right, grade 3.	Prominent left renal pelvis.	Acute pyelonephritis	98.03636	0	130.915	65.4575	92.57088	0	0.275557735	0.138	0.194849	5470.919467	6427.871333	5949.395	676.6672	0.757140541	0.882060013	0.8196	0.088331	
EC393	P	B2	P	N	N	P	P	P	P	5	37.7	13830	No cortical defect in both kidneys.	-	No remarkable findings.	Acute pyelonephritis	25.74545	4793.042333	2737.843333	3765.443	1453.245	7.231498235	5.762776675	6.497	0.138543	1765.299467	808.2084	1286.754	676.7656	0.244306245	0.119095815	0.177606	0.094328	
EC395	P	D	P	N	N	P	P	N	N	3	8	8920	No cortical defect in both kidneys.	-	1. Heterogeneous echogenicity in both kidneys; R/O APN. 2. Mild wall thickening in the bladder; R/O Cystitis.	Urinary tract infection	118.9091	50.00926667	267.1513333	158.5803	153.5426	0.075451435	0.562316132	0.319	0.344265	5548.439333	5970.412133	5759.426	298.3798	0.767868798	0.819285504	0.793577	0.036357	
EC428	P	D	P	N	N	N	P	P	N	3	60.1	19570	No cortical defect in right kidney. Multiple cortical defects on left kidney. - REC) F/U.	-	No remarkable findings.	Acute pyelonephritis	95.04132	93.3645	119.8291	106.5968	18.7133	0.237562657	0.206289155	0.222	0.022114	5587.0885	7542.402	6564.565	1382.361	0.841363798	0.929546167	0.885455	0.062354	
EC4500	P	B2	P	N	N	N	N	N	N	1	19.8	10910	No cortical defect in both kidneys.	-	No remarkable findings.	Acute pyelonephritis	136.5225	509.6760333	540.019	524.8475	21.45572	0.321	0.170	0.245	0.106873	8121.5646	6474.285683	7297.925	1164.802	0.779	0.852	0.815215	0.051775	
EC53	P	B2	P	N	N	N	N	N	N	1	19.4	17230	No cortical defect in both kidneys.	-	Transient small bowel intussusception at LLQ.	Acute pyelonephritis	107.883	552.78775	171.2887	362.0382	269.7606	1.406548816	0.294878299	0.851	0.78607	5637.148	7558.638	6597.893	1358.699	0.848902295	0.9315916	0.890247	0.05847	
EC563	P	D	P	N	N	N	P	N	N	2	116.1	10810	No cortical defect in both kidneys.	-	No remarkable findings.	Acute pyelonephritis	118.9447	276.03875	127.4785	201.7586	105.948	0.702370805	0.219457812	0.461	0.341471	4724.469	6785.08	5754.775	1457.072	0.711461288	0.836251655	0.773856	0.08824	
EC59	P	B2	N	N	N	N	P	N	N	1	26.2	14800	No cortical defect in both kidneys.	-	No remarkable findings.	Acute pyelonephritis	107.1837	211.33125	198.757	205.0441	8.891337	0.537724867	0.342165748	0.440	0.138281	5580.559	7518.07	6549.315	1370.027	0.840380516	0.926591651	0.883486	0.06096	
EC604	P	B2	P	N	N	N	P	N	N	2	54.1	16530	No cortical defect in right kidney. Cortical defects on left kidney. - REC) F/U.	VUR, left, grade 1.	Slightly prominent both renal pelvis.	Acute pyelonephritis	118.6268	372.60225	42.9874	207.7948	233.0729	0.948073204	0.074004014	0.511	0.61806	5883.58	7491.332	6587.456	1278.274	0.855894524	0.92329623	0.889595	0.04766	
EC640	P	B2	P	P	N	N	P	P	P	5	99.7	15620	No cortical defect in both kidneys.	-	Bladder wall thickening, R/O Cystitis.	Urinary tract infection	19.70909	3050.925	1632.587667	2341.756	1002.916	4.603080302	3.436368331	4.020	0.82499	3342.956533	3720.082533	3531.52	266.668	0.462643973	0.510485646	0.486565	0.033829	
EC663	P	B2	P	N	N	N	P	P	N	3	7.1	12240	No cortical defect in both kidneys.	-	Swelling of Left kidney. Conclusion: R/O APN, left kidney.	Urinary tract infection	107.3455	0	193.9115	96.95575	137.1161	0	0.408156543	0.204	0.28861	5792.925067	5958.860133	5875.893	117.3338	0.801704072	0.817700289	0.809702	0.011311	
EC667	P	B2	N	N	N	P	N	N	N	1	13	9860	No cortical defect in both kidneys.	-	Normal kidney and bladder.	Acute pyelonephritis	111.8881	1141.626	472.3969	807.0115	473.1264	1.904826849	0.813244507	1.359	0.771865	5521.7935	7708.002	6614.898	1545.883	0.831530975	0.950000505	0.890766	0.083771	
EC668	P	D	P	N	N	N	P	P	N	3	4.2	24580	Unremarkable renal scan	-	Slightly prominent left renal pelvis.	Urinary tract infection	110.2683	70.8884	0	35.4442	50.12567	0.039	0.000	0.020	0.027577	6301.3208	6210.519333	6255.92	64.20633	0.795	0.679	0.736927	0.082127	
EC68	P	B2	P	N	N	N	N	N	N	1	100.7	22360	Suspicious cortical defects on both kidneys. - REC) F/U DMSA scan.	-	No remarkable findings.	Acute pyelonephritis																		