

**Table 6. Determinants present in UPEC strain 536 but absent in *E.coli* K-12 which may contribute to virulence/fitness**

536-specific DNA regions, encoded functions	No. of ORFs	Size, bp	Position ( <i>E. coli</i> 536 chromosome)		ORF designation ( <i>E. coli</i> 536)	
			Start	End	Start	End
<i>aspV</i> -associated IAHP gene cluster, Hcp protein, Vgr protein, H repeat-associated protein	10	7904	263065	270969	ECP0239	ECP0248
PAI III, hypothetical proteins, ABC transporter, autotransporter	13	12049	294412	306461	ECP00274	ECP00286
Lysine decarboxylase	1	806	333225	334031	ECP00312	
Cadaverine transporter	26	23372	338889	362261	ECP0317	ECP00342
PAI V, hypothetical proteins, Pix fimbriae	13	12178	3128357	3140535	ECP02962	ECP02974
Hypothetical protein	1	203	3147553	3147756	ECP02980	
Autotransporter, hypothetical Proteins, K15 capsule	35	28496	3155679	3184175	ECP02991	ECP03024
K15 capsule, general secretion pathway	22	24662	3189181	3213842	ECP03029	ECP03050
PAI I, DNA methyltransferases, F17-like fimbriae, CS12-like fimbriae	99	76370	3948173	4024543	ECP03765	ECP03862
PAI II hypothetical protein, DNA helicase	10	9884	4735418	4745302	ECP04521	ECP04530

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			Start	End	Start	End
P fimbriae	11	5304	4754302	4759606	ECP04542	ECP04552
Contact-dependent inhibition of growth proteins CdiAB, propanediol/ethanol amine utilization, hypothetical proteins	80	71431	4770202	4841633	ECP04562	ECP04641
Prophage	62	49423	1188849	1238272	ECP01134	ECP01200
Hypothetical proteins, IS elements	14	15301	2839887	2855188	ECP02702	ECP02714
PTS, sucrose utilization	5	4620	2894490	2899110	ECP02754	ECP02758
Rhs/Vgr-family protein	4	3771	1499644	1503415	ECP01457	ECP01460
Putative fimbrial proteins	5	3686	3361931	3365617	ECP03189	ECP03193
Multidrug resistance proteins A and B	2	2464	1425866	1428330	ECP01394	ECP01395
HipAB (persistence to inhibition of murein or DNA biosynthesis, DNA- binding regulator)	2	1153	1551352	1552505	ECP01501	ECP01502
Hypothetical proteins	2	1297	573728	575025	ECP00542	ECP00543
Hypothetical proteins	2	2122	2680233	2682355	ECP02546	ECP02547
Hypothetical proteins	2	963	1351465	1352428	ECP01320	ECP01321
Putative TPR repeat protein	1	1040	1764376	1765416	ECP01712	

536-specific DNA regions, encoded functions	No. of ORFs	Size, bp	Position ( <i>E. coli</i> 536 chromosome)		ORF designation ( <i>E. coli</i> 536)	
			Start	End	Start	End
CDP-diacylglycerol-glycerol-3-phosphate 3-Phosphatidyltransferase (partial)	1	203	1904529	1904732	ECP01856	
Part of putative outer membrane protein YieC	1	1184	1568589	1569773	ECP01520	
Formate hydrogenlyase subunit 6	1	539	2821785	2822324	ECP02683	
Hypothetical protein	1	299	576659	576958	ECP00546	
Hypothetical protein	1	902	1311880	1312782	ECP01281	