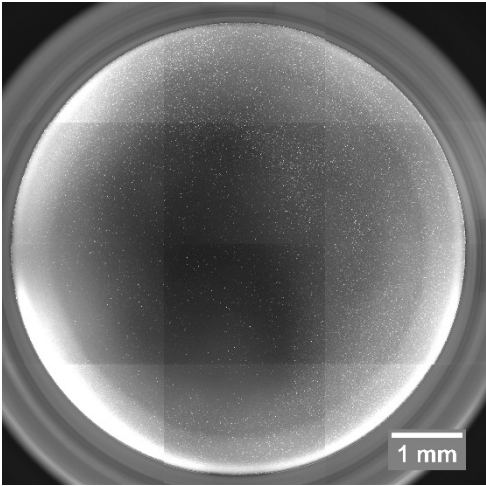


1 **Supplements**

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9 **Figure S1.** Overview image of an *E. coli* biofilm in a single well. Fluorescence image of a
10 SYTO 9 stained biofilm of one UPEC isolate after 48 h of incubation in TSB medium analyzed
11 using the VideoScan technology. An overview image of a well was composed of 12 smaller
12 single images, which were captured automatically (4 x/0.16 objective). The biofilm formation
13 capability of this isolate was equal to a relFI of 0.0722.

14

15 **Table S1.** Occurrence of biofilm-associated genes (genotype), curli and cellulose production
16 and motility (phenotype)

Pathotype	Strain ID	PCR for biofilm-associated genes						Congo red		Calcofluor		Motility
		<i>papC</i>	<i>fimH</i>	<i>csgA</i>	<i>agn43</i>	<i>bscA</i>	<i>fliC</i>	28°C	37°C	28°C	37°C	37°C
HFEC	5527	-	+	+	-	+	+	r	b	+	-	+
HFEC	5528	-	+	+	+	+	+	s	s	-	-	+
HFEC	5529	-	+	+	-	+	+	b	s	-	-	+
HFEC	5531	+	+	+	+	+	-	s	s	-	-	+
HFEC	5532	-	+	+	+	+	+	s	s	-	-	-
HFEC	5535	+	+	+	-	+	+	r	b	+	-	+
HFEC	5536	+	+	+	-	+	+	r	r	+	+	+
HFEC	5537	-	+	+	-	+	-	r	b	+	-	+
HFEC	5538	+	+	+	-	+	+	r	b	+	-	+

HFEC	5539	-	+	+	+	+	+	r	b	+	-	+
HFEC	5540	-	+	+	+	+	+	r	b	+	-	+
HFEC	5541	+	+	+	-	+	+	s	s	-	-	+
HFEC	5542	+	+	+	+	+	+	s	s	-	-	-
HFEC	5543	-	+	+	+	+	+	s	s	-	-	+
HFEC	5544	+	-	+	+	+	+	s	s	-	-	+
HFEC	5545	+	+	+	+	+	+	s	s	-	-	+
HFEC	5547	-	+	-	-	-	-	s	s	-	-	+
HFEC	5548	-	+	+	-	+	+	r	r	+	+	+
HFEC	5549	-	+	+	+	+	-	s	s	-	-	+
HFEC	5551	-	-	+	+	+	+	b	b	-	-	+
HFEC	5553	-	+	+	-	+	+	b	s	-	-	+
HFEC	5554	+	+	+	+	+	+	b	s	-	-	+
HFEC	5555	+	+	+	+	+	+	b	s	-	-	+
HFEC	5556	-	+	+	-	+	+	r	s	+	-	+
UPEC	5228	-	+	+	+	+	+	r	r	+	+	+
UPEC	5229	-	+	+	+	+	-	s	s	-	-	-
UPEC	5231	+	+	+	+	+	+	b	b	-	-	-
UPEC	5232	-	+	+	-	+	+	s	s	-	-	+
UPEC	5233	-	+	+	-	+	+	r	b	+	-	+
UPEC	5235	-	+	+	-	+	-	r	r	+	+	+
UPEC	5237	-	+	+	-	+	+	r	r	+	+	+
UPEC	5238	+	+	+	+	+	+	s	s	-	-	-
UPEC	5239	+	+	+	-	+	+	b	b	-	-	+
UPEC	5240	+	+	+	+	+	+	s	b	-	-	-
UPEC	5241	+	+	+	+	+	+	s	b	-	-	+
UPEC	5242	+	+	+	-	+	+	b	b	-	-	-
UPEC	5243	+	+	+	+	+	+	b	b	-	-	+
UPEC	5245	+	+	+	+	+	+	b	b	-	-	+
UPEC	5246	+	+	+	-	+	-	s	s	-	-	-
UPEC	5247	+	+	+	-	+	+	s	s	-	-	+
UPEC	5248	+	+	+	+	+	+	b	b	-	-	-
UPEC	5249	+	+	+	+	+	+	s	s	-	-	+
UPEC	5250	-	+	+	-	+	+	r	s	+	-	-

UPEC	5253	-	+	+	+	+	+	s	s	-	-	-
UPEC	5254	+	+	+	+	+	+	b	b	-	-	+
UPEC	5255	+	+	+	+	+	+	s	b	-	-	+
UPEC	5256	+	+	+	+	+	+	s	b	-	-	+
UPEC	5257	+	+	+	-	+	-	r	r	+	+	+
ETEC	5200	-	+	+	-	+	+	b	b	-	-	+
ETEC	5201	-	+	+	-	+	+	b	b	-	-	+
ETEC	5202	-	+	+	-	+	+	r	r	+	+	+
ETEC	5203	-	+	+	-	+	+	s	s	-	-	+
ETEC	5204	-	+	+	-	+	+	b	b	-	-	+
ETEC	5205	-	+	+	-	+	+	b	b	-	-	+
ETEC	5206	-	+	+	+	+	+	s	s	-	-	-
ETEC	5286	-	+	+	-	+	+	b	b	-	-	+
ETEC	5287	-	+	+	+	+	+	s	s	-	-	+
ETEC	5288	-	+	+	+	+	+	s	s	-	-	+
ETEC	5637	-	+	+	-	+	+	b	b	-	-	+
ETEC	5638	-	+	+	-	+	+	s	s	-	-	-
ETEC	5640	-	+	+	-	+	+	b	b	-	-	+
ETEC	5641	-	-	+	-	+	+	s	s	-	-	+
ETEC	5642	-	+	+	-	+	+	s	s	-	-	-
ETEC	5680	-	+	+	+	+	+	r	r	+	+	+
ETEC	5682	-	+	+	-	+	+	b	b	-	-	+
ETEC	5686	+	+	+	+	+	+	b	s	-	-	+
ETEC	5687	-	-	+	+	+	+	b	b	-	-	+
ETEC	5688	-	+	+	-	+	+	s	s	-	-	+
ETEC	5689	-	+	+	-	+	+	b	s	-	-	+
ETEC	5690	-	+	+	-	+	+	r	b	+	-	+
ETEC	5691	-	+	+	-	+	+	r	b	+	-	+
ETEC	5692	-	-	+	-	+	-	s	s	-	-	-
EPEC	5207	+	+	+	-	+	+	r	r	+	+	+
EPEC	5208	-	+	+	-	+	+	s	s	-	-	+
EPEC	5209	-	+	+	-	+	+	s	s	-	-	+
EPEC	5210	+	+	+	+	+	+	s	s	-	-	+
EPEC	5211	+	+	+	-	+	-	b	s	-	-	+

EPEC	5212	-	+	+	-	+	+	b	b	-	-	+
EPEC	5263	-	+	+	+	+	+	b	s	-	-	+
EPEC	5267	-	+	+	-	+	-	s	s	-	-	+
EPEC	5268	+	+	+	-	+	+	r	r	+	+	+
EPEC	5281	-	+	+	-	+	-	s	s	-	-	+
EPEC	5282	-	+	+	-	+	-	b	s	-	-	+
EPEC	5285	+	+	+	-	+	+	r	r	+	+	+
EPEC	5289	-	+	+	-	+	+	r	b	+	-	+
EPEC	5291	-	+	+	-	+	+	b	b	-	-	+
EPEC	5292	-	+	+	-	+	+	b	s	-	-	+
EPEC	5631	+	+	+	-	+	+	r	s	+	-	+
EPEC	5632	+	+	+	-	-	-	s	s	-	-	-
EPEC	5633	-	+	+	-	+	+	b	b	-	-	+
EPEC	5651	-	+	+	-	+	+	b	s	-	-	+
EPEC	5652	+	+	+	-	-	+	s	s	-	-	-
EPEC	5653	-	+	+	-	+	+	b	s	-	-	+
EPEC	5654	-	+	+	+	+	+	b	b	-	-	+
EPEC	5655	-	+	+	-	-	-	s	s	-	-	-
EPEC	5656	-	+	+	-	-	-	s	s	-	-	-
EAEC	5213	-	-	+	+	+	-	b	b	-	-	+
EAEC	5214	-	+	+	+	+	+	s	s	-	-	+
EAEC	5215	+	+	+	+	+	+	s	s	-	-	+
EAEC	5216	-	+	+	+	+	+	s	s	-	-	+
EAEC	5260	-	+	+	-	+	+	r	b	+	-	+
EAEC	5264	-	-	+	+	+	-	s	s	-	-	-
EAEC	5265	-	+	+	-	+	+	r	r	+	+	-
EAEC	5266	-	-	+	+	+	-	s	s	-	-	-
EAEC	5269	-	+	+	+	+	-	s	s	-	-	-
EAEC	5270	-	-	+	+	+	-	s	s	-	-	+
EAEC	5271	-	-	+	+	+	-	r	r	+	+	+
EAEC	5272	-	+	+	-	+	+	r	b	+	-	+
EAEC	5275	-	-	+	+	+	-	r	r	+	+	+
EAEC	5276	-	-	+	+	+	-	s	s	-	-	+
EAEC	5277	+	+	+	+	+	+	b	b	-	-	+

EAEC	5278	-	+	+	+	+	+	s	b	-	-	-
EAEC	5279	-	+	+	+	+	+	s	s	-	-	+
EAEC	5280	+	+	+	+	+	-	b	b	-	-	+
EAEC	5634	-	+	+	-	+	-	r	r	+	+	-
EAEC	5635	-	-	+	+	+	+	s	b	-	-	-
EAEC	5636	-	+	+	+	+	+	s	s	-	-	-
EAEC	5639	-	+	+	+	+	-	b	s	-	-	+
EAEC	5643	-	+	+	-	+	+	b	b	-	-	+
EAEC	5644	-	+	+	-	+	-	s	s	-	-	+
SAEC	5147	-	+	+	+	+	+	r	s	+	-	+
SAEC	5148	-	+	+	+	+	+	r	b	+	-	-
SAEC	5149	-	+	+	-	+	-	s	s	-	-	-
SAEC	5150	-	+	+	+	+	+	b	b	-	-	+
SAEC	5151	+	+	+	-	+	+	b	b	-	-	-
SAEC	5152	-	+	+	+	+	+	r	b	+	-	-
SAEC	5153	+	+	+	+	+	-	r	b	+	-	-
SAEC	5155	+	+	+	+	+	+	b	b	-	-	+
SAEC	5156	+	+	+	+	+	+	b	b	-	-	+
SAEC	5157	+	+	+	-	+	+	r	r	+	+	+
SAEC	5158	-	+	+	-	+	+	s	b	-	-	+
SAEC	5159	+	+	+	+	+	-	r	b	+	-	+
SAEC	5160	+	+	+	+	+	+	b	b	-	-	+
SAEC	5161	-	+	+	+	+	+	r	r	+	+	-
SAEC	5162	-	+	+	+	+	+	s	b	-	-	+
SAEC	5163	-	+	+	-	+	+	b	b	-	-	+
SAEC	5164	+	+	+	+	+	+	s	b	-	-	-
SAEC	5165	-	+	+	-	+	+	r	s	+	-	+
SAEC	5166	-	+	+	+	+	+	s	s	-	-	-
SAEC	5167	-	+	+	-	+	+	b	b	-	-	+
SAEC	5168	+	+	+	+	+	+	b	b	-	-	+
SAEC	5169	+	+	+	-	+	+	s	s	-	-	+
SAEC	5170	+	+	+	-	+	+	r	r	+	+	+
SAEC	5171	+	+	+	+	+	-	s	s	-	-	-
CAEC	5180	-	+	+	-	+	+	s	s	-	-	+

CAEC	5181	-	+	+	+	+	-	b	b	-	-	+
CAEC	5182	-	+	+	+	+	+	r	r	+	+	+
CAEC	5183	+	+	+	-	-	+	r	r	+	+	+
CAEC	5184	-	+	+	-	-	-	s	s	-	-	-
CAEC	5185	+	+	+	-	+	+	s	s	-	-	+
CAEC	5186	+	+	+	-	+	+	r	r	+	+	+
CAEC	5187	+	+	+	-	+	+	s	s	-	-	+
CAEC	5188	-	+	+	-	+	+	r	r	+	+	+
CAEC	5189	-	+	+	-	+	+	b	s	-	-	+
CAEC	5190	-	+	+	-	+	+	b	s	-	-	+
CAEC	5191	-	+	+	-	+	+	b	b	-	-	+
CAEC	5192	-	+	+	+	+	+	s	s	-	-	+
CAEC	5193	+	+	+	-	+	+	r	r	+	+	+
CAEC	5194	-	+	+	-	+	-	b	s	-	-	-
CAEC	5195	-	-	+	+	+	+	s	s	-	-	+
CAEC	5196	-	+	+	-	+	-	r	b	+	-	+
CAEC	5198	-	-	+	-	+	+	s	b	-	-	+
CAEC	5199	-	+	+	-	+	-	b	s	-	-	+
AFEC	5559	-	+	+	-	+	+	s	s	-	-	+
AFEC	5560	+	+	+	+	+	-	b	s	-	-	-
AFEC	5561	-	+	+	-	+	+	b	b	-	-	+
AFEC	5562	+	+	+	+	+	+	s	b	-	-	+
AFEC	5563	-	+	+	-	+	+	s	s	-	-	-
AFEC	5564	-	+	+	+	+	-	s	b	-	-	+
AFEC	5565	-	+	+	-	+	+	r	r	+	+	-
AFEC	5566	-	+	+	-	+	+	b	b	-	-	-
AFEC	5567	+	+	+	-	+	+	b	b	-	-	-
AFEC	5568	+	+	+	-	+	+	b	b	-	-	+
AFEC	5569	-	+	+	+	+	+	r	r	+	+	+
AFEC	5570	-	+	+	-	+	+	r	s	+	-	+
AFEC	5571	-	+	+	+	+	-	b	s	-	-	-
AFEC	5572	+	+	+	-	+	+	r	r	+	+	+
AFEC	5573	-	+	+	-	+	+	r	b	+	-	+
AFEC	5574	-	+	+	-	+	-	s	s	-	-	+

AFEC	5575	-	+	+	+	+	-	b	s	-	-	-
AFEC	5576	-	+	+	-	+	-	b	s	-	-	+
AFEC	5577	-	+	+	+	+	+	r	r	+	+	+
AFEC	5578	-	+	+	-	+	+	s	b	-	-	+
AFEC	5579	-	+	+	+	+	+	s	s	-	-	-
AFEC	5580	+	+	+	-	+	+	b	b	-	-	-
AFEC	5581	+	+	+	-	+	+	s	s	-	-	-
AFEC	5582	+	+	+	-	+	+	r	s	+	-	+

17 r-rdar morphotype; b-bdar morphotype; s-saw morphotype