

**Whole genome sequencing revealed new molecular characteristics in multidrug resistant staphylococci recovered from high frequency touched surfaces in London**

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Supplementary Information

**Table S1: Summary of the environmental sites in hospital and community general public areas**

	General Public Areas			
Specific sites	ELC	WLC	ELH	WLH
	Wash room door handles	Wash room door handles	Wash room door handles	Wash room door handles
	Washroom taps	Washroom taps	Washroom taps	Washroom taps
	Toilet flusher	Toilet flusher	Toilet flusher	Toilet flusher
	Toilet seat	Toilet Seat	Toilet seat	Toilet seat
	Soap dispensers	Soap dispensers	Soap dispensers	Soap dispensers
	Door handles	Door handles	Door handles	Door handles
	Elevator button	Elevator Button	Elevator button	Elevator Button
	Bench arm rest	Bench Arm rest	Seat arm rest	Seat arm rest
	Escalator rail	Escalator rail	Stair hand rail	Stair hand rail
	Stair rail	Stair rail		Baby changing area
	ATM machines	ATM machines		
	Ticket machine	Ticket machine		
	Pedestrian crossing buttons	Touch screen TV		
		Public phone		
		Pedestrian crossing buttons		
Number of isolates	97	85	127	291

ELC= East London Community; WLC=West London Community; ELH=East London Hospital, WLH=West London Hospi

**Table S2. Summary of the Whole Genome Sequenced isolates**

Acssion No.	Sample No	Species	Area isolated
ERS2999996	1	<i>Staphylococcus haemolyticus</i>	East London Community
ERS2999997	27	<i>Staphylococcus sciuri</i>	East London Community
ERS2999998	33	<i>Staphylococcus sciuri</i>	East London Community
ERS2999999	59	<i>Staphylococcus sciuri</i>	East London Community
ERS3000000	74	<i>Staphylococcus sciuri</i>	East London Community
ERS3000001	75	<i>Staphylococcus sciuri</i>	East London Community
ERS3000002	93	<i>Staphylococcus haemolyticus</i>	East London Community
ERS3000003	99	<i>Staphylococcus haemolyticus</i>	East London Community
ERS3000004	105	<i>Staphylococcus haemolyticus</i>	East London Community
ERS3000005	109	<i>Staphylococcus sciuri</i>	East London Community
ERS3000006	207	<i>Staphylococcus hominis</i>	West London Community
ERS3000007	208	<i>Staphylococcus hominis</i>	West London Community
ERS3000008	209	<i>Staphylococcus hominis</i>	West London Community
ERS3000009	211	<i>Staphylococcus cohnii</i>	West London Community
ERS3000010	321	<i>Staphylococcus epidermidis</i>	East London Hospital
ERS3000011	327	<i>Staphylococcus epidermidis</i>	East London Hospital
ERS3000012	329	<i>Staphylococcus epidermidis</i>	East London Hospital
ERS3000013	343	<i>Staphylococcus cohnii</i>	East London Hospital
ERS3000014	349	<i>Staphylococcus cohnii</i>	East London Hospital
ERS3000015	355	<i>Staphylococcus epidermidis</i>	East London Hospital
ERS3000016	361	<i>Staphylococcus haemolyticus</i>	East London Hospital
ERS3000017	372	<i>Staphylococcus hominis</i>	East London Hospital
ERS3000018	373	<i>Staphylococcus haemolyticus</i>	East London Hospital
ERS3000019	385	<i>Staphylococcus hominis</i>	East London Hospital
ERS3000020	386	<i>Staphylococcus hominis</i>	East London Hospital
ERS3000021	387	<i>Staphylococcus hominis</i>	East London Hospital
ERS3000022	407	<i>Staphylococcus epidermidis</i>	East London Hospital
ERS3000023	435	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000024	436	<i>Staphylococcus haemolyticus</i>	West London Hospital
ERS3000025	445	<i>Staphylococcus haemolyticus</i>	West London Hospital
ERS3000026	465	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000027	475	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000028	479	<i>Staphylococcus hominis</i>	West London Hospital
ERS3000029	492	<i>Staphylococcus haemolyticus</i>	West London Hospital
ERS3000030	506	<i>Staphylococcus haemolyticus</i>	West London Hospital
ERS3000031	538	<i>Staphylococcus haemolyticus</i>	West London Hospital
ERS3000032	620	<i>Staphylococcus hominis</i>	West London Hospital
ERS3000033	623	<i>Staphylococcus hominis</i>	West London Hospital
ERS3000034	631	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000035	664	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000036	673	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000037	699	<i>Staphylococcus warneri</i>	West London Hospital
ERS3000038	700	<i>Staphylococcus warneri</i>	West London Hospital
ERS3000039	702	<i>Staphylococcus warneri</i>	West London Hospital
ERS3000040	711	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000041	712	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000042	713	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000043	715	<i>Staphylococcus epidermidis</i>	West London Hospital
ERS3000044	716	<i>Staphylococcus epidermidis</i>	West London Hospital