

Supplementary Material

Table S1: Genome assembly metrics of 10 *Staphylococcus* genomes.

Isolate ID	Species	Total length (bp)	GC content (%)	No. of contigs	N50 (bp)	L50 (contigs)	GeneBank Accession No.
SS 215	<i>S. aureus</i>	2,864,743	32.75	68	87,378	10	JAHMMM000000000
SS 260	<i>S. aureus</i>	2,843,999	32.73	27	347,171	3	JAHMMN000000000
SS 371	<i>S. aureus</i>	2,894,360	32.78	60	223,541	4	JAHMMO00000000
SS 216	<i>S. epidermidis</i>	2,484,686	32.15	41	160,954	5	JAHMMP000000000
SS 403	<i>S. epidermidis</i>	2,490,824	32.00	40	176,132	5	JAHMMQ00000000
SS 53	<i>S. haemolyticus</i>	2,407,407	32.73	71	78,711	9	JAHMMR000000000
SS 95	<i>S. haemolyticus</i>	2,663,104	32.55	97	69,426	12	JAHMMS000000000
SS 160	<i>S. capitis</i>	2,508,421	32.80	22	545,816	2	JAHMMT000000000
SS 226	<i>S. sciuri</i>	2,883,412	32.45	21	420,094	2	JAHMMU000000000
SS 167	<i>S. lugdunensis</i>	2,548,764	33.69	24	176,495	5	JAHMMV000000000

Table S2: Virulence genes of *S. aureus* isolates sequenced by WGS.

		Isolate (ID)				Reference strain
Class	Virulence Factor	genes	215	2260	371	<i>S. aureus</i> RF122
Adhesion	Autolysine Cell wall-associated fibronectin binding protein Agglutination factor A Agglutination factor B Collagen adhesion Elastin binding protein Extracellular adhesion protein / MHC analog protein Fibrinogen binding protein Fibronectin binding proteins					chromosome (NC_007622)
		<i>atl</i>	+	+	+	SAB0919c
		<i>ebh</i>	+	+	+	SAB1289c*
		<i>clfA</i>	+	+	+	SAB0744*
		<i>clfB</i>	+	+	+	SAB2505c
		<i>cna</i>	-	-	-	-
		<i>ebp</i>	+	+	+	SAB1343c
		<i>eap/map</i>	+	+	+	SAB1873c
		<i>efb</i>	-	+	+	SAB1021
		<i>fnbA</i>	+	+	+	SAB2375c
		<i>fnbB</i>	-	+	+	-
	Intercellular adhesin	<i>icaA</i>	+	+	+	SAB2541
		<i>icaB</i>	+	+	+	SAB2543
		<i>icaC</i>	+	+	+	SAB2544
		<i>icaD</i>	+	+	+	SAB2542
		<i>icaR</i>	+	+	+	SAB2540c
	Ser-Asp-rich fibrinogen binding proteins	<i>sdrC</i>	+	+	+	SAB0512*
		<i>sdrD</i>	+	+	+	-
		<i>sdrE</i>	+	+	+	SAB0513
		<i>sdrF</i>	-	-	-	-
		<i>sdrG</i>	-	-	-	-

		<i>sdrH</i>	-	-	-	-
	Staphylococcal protein A	<i>spa</i>	+	+	+	SAB0050c*
Toxin	Alpha hemolysin	<i>hly/hla</i>	+	+	+	<i>SAB1027c</i>
	Beta hemolysin	<i>hly</i>	+	+	+	<i>SAB1874</i>
	Delta hemolysin	<i>hld</i>	+	+	+	-
	EnterotoxinaA	<i>sea</i>	-	-	-	-
	Enterotoxin B	<i>seb</i>	-	-	-	-
	Enterotoxin C	<i>sec</i>	-	-	-	<i>SAB0363</i>
	Enterotoxin aG	<i>seg</i>	+	+	+	<i>SAB1696c</i>
	Type A exfoliative toxin	<i>eta</i>	+	+	+	<i>SAB1037c</i>
	Exotoxin	<i>set/11</i>	+	+	+	-
		<i>set/13</i>	+	+	+	-
		<i>set/15</i>	+	+	+	-
		<i>set/37</i>	+	+	+	-
		<i>set/39</i>	+	+	+	-
		<i>set/06</i>	+	+	+	-
		<i>set/07</i>	+	+	+	-
		<i>set/08</i>	+	+	+	-
		<i>set/09</i>	+	+	+	-
	Gamma hemolysin	<i>hlgA</i>	+	+	+	<i>SAB2300</i>
		<i>hlgB</i>	+	+	+	<i>SAB2302</i>
		<i>hlgC</i>	+	+	+	<i>SAB2301</i>
	Leukocidin M	<i>lukF-like</i>	-	-	-	<i>SAB0783</i>
		<i>lukM</i>	-	-	-	<i>SAB0782</i>
	Leukocidin D	<i>lukD</i>	+	+	+	<i>SAB1686c</i>
	Leukocidin E	<i>lukE</i>	-	-	-	<i>SAB1687c</i>
	Leucocidina Panton-Valentine Panton-Valentine Leukocidin	<i>lukF-PV</i>	-	-	-	-
		<i>lukS-PV</i>	-	-	-	-
	Toxic shock syndrome toxin	<i>tsst</i>	-	-	-	<i>SAB0360c</i>

Table S3: Virulence genes of CoNS isolates sequenced by WGS

Classe	Fator de virulência	genes	Isolate (ID)						
			216	403	53	95	160	226	167
Adhesion	Autolysin	<i>atl</i>	+	+	+	+	+	-	+
	Cell wall associated fibronectin binding protein	<i>ebh</i>	+	+	-	-	+	-	-
	Clumping factor A	<i>clfA</i>	+	-	-	-	-	-	-
	Clumping factor B	<i>clfB</i>	-	-	-	-	-	-	-
	Collagen adhesion	<i>cna</i>	-	-	-	-	-	-	-
	Elastin binding protein	<i>ebp</i>	+	+	+	+	+	-	-
	Extracellular adherence protein/MHC analogous protein	<i>eap/map</i>	-	-	-	-	-	-	-
	Fibrinogen binding protein	<i>efb</i>	-	-	-	-	-	-	-
	Fibronectin binding proteins	<i>fnbA</i>	-	-	-	-	-	-	-
		<i>fnbB</i>	-	-	-	-	-	-	-
	Intercellular adhesin	<i>icaA</i>	+	+	-	-	+	-	+
		<i>icaB</i>	+	+	-	-	+	-	+
		<i>icaC</i>	+	+	-	-	+	-	+
		<i>icaD</i>	+	+	-	-	-	-	+
		<i>icaR</i>	+	+	-	-	+	-	+
	Ser-Asp rich fibrinogen-binding proteins	<i>sdrC</i>	-	-	-	-	-	-	-
		<i>sdrD</i>	-	-	-	-	-	-	-
		<i>sdrE</i>	-	-	-	-	-	-	-
		<i>sdrF</i>	+	+	-	-	-	-	-
		<i>sdrG</i>	+	+	-	-	-	-	-
		<i>sdrH</i>	+	+	-	-	-	-	-

	Staphylococcal protein A	<i>spa</i>	-	-	-	-	-	-	-
Enzyme	Serine V8 protease	<i>sspA</i>	+	+	-	-	-	+	-
	Cysteine protease	<i>sspB</i>	+	+	-	-	-	-	-
		<i>sspC</i>	-	-	-	-	-	-	-
	Hyaluronate lyase	<i>hysA</i>	-	-	-	-	-	-	-
	Lipase	<i>geh</i>	+	+	-	-	-	-	-
		<i>lip</i>	+	+	+	+	-	-	-
	Serine V8 protease	<i>sspA</i>	+	+	-	-	-	-	-
	Staphylocoagulase	<i>coa</i>	-	-	-	-	-	-	-
	Thermonuclease	<i>nuc</i>	+	+	+	+	+	-	+
Toxin	Alpha hemolysin	<i>hly/hla</i>	-	-	-	-	-	-	-
	Beta hemolysin	<i>hly</i>	+	+	-	-	+	-	+
	Enterotoxin A	<i>sea</i>	-	-	-	-	-	-	-
	Enterotoxin B	<i>seb</i>	-	-	-	-	-	-	-
	Enterotoxin C	<i>sec</i>	-	-	-	-	-	-	-
	Enterotoxin D	<i>sed</i>	-	-	-	-	-	-	-
	Exfoliative toxin type A	<i>eta</i>	-	-	-	-	-	-	-
	Exfoliative toxin type B	<i>etb</i>	-	-	-	-	-	-	-
	Exfoliative toxin type C	<i>etc</i>	-	-	-	-	-	-	-
	Exfoliative toxin type D	<i>etd</i>	-	-	-	-	-	-	-
	Gamma hemolysin	<i>hlgA</i>	-	-	-	-	-	-	-
		<i>hlgB</i>	-	-	-	-	-	-	-
		<i>hlgC</i>	-	-	-	-	-	-	-
	Leukocidin M	<i>lukF-like</i>	-	-	-	-	-	-	-
		<i>lukM</i>	-	-	-	-	-	-	-

	Leukotoxin D	<i>lukD</i>	-	-	-	-	-	-	-
	Leukotoxin E	<i>lukE</i>	-	-	-	-	-	-	-
	Panton-Valentine leukocidin	<i>lukF-PV</i>	-	-	-	-	-	-	-
		<i>lukS-PV</i>	-	-	-	-	-	-	-
	Toxic shock syndrome toxin	<i>tsst</i>	-	-	-	-	-	-	-