

Table S1 Nucleotide sequence identity (%) of *fosB* among different staphylococcal species/clusters/subclusters

Cluster	<i>S. aureus</i> I				<i>S. warneri</i>				<i>S. saprophyticus</i>												<i>S. aureus</i> II				<i>S. epidermidis</i>	<i>S. lugdunensis</i>	<i>S. capitis</i>														
Subcluster (SC)					1	2			3			2	1						1		2				2	1															
Strain / isolate ID																																									
1: <i>S. aureus</i> -SA1278_fosB6_	100.00	99.29	99.29	99.05	73.33	73.10	73.57	74.05	73.33	73.33	74.05	73.57	74.05	73.81	73.57	74.05	73.81	75.24	74.29	73.81	73.10	76.19	78.33	69.29	69.52	69.52	70.71	70.48	64.05	67.62	67.38	70.71	70.95	70.71	72.55	71.60	71.90	72.08	72.32	72.32	72.32
2: <i>S. aureus</i> -SA0406_fosB4_	99.29	100.00	99.52	99.29	73.10	72.86	73.33	73.81	73.57	73.57	74.29	73.81	74.29	74.05	73.81	74.29	74.05	75.24	74.52	74.05	73.33	76.19	78.33	69.05	69.29	69.29	70.71	70.48	64.29	67.14	66.90	70.71	70.95	70.71	72.79	71.84	71.67	71.84	72.08	72.08	72.08
3: <i>S. aureus</i> -au-HS166_fosB1_	99.29	99.52	100.00	99.76	73.57	73.33	73.81	74.29	73.57	73.57	74.29	73.81	74.29	74.05	73.81	74.29	74.05	75.48	74.52	74.05	73.33	76.43	78.57	69.52	69.76	69.76	70.95	70.71	64.29	67.38	67.14	71.19	71.43	71.19	73.03	72.08	72.14	72.32	72.55	72.55	72.55
4: <i>S. aureus</i> -SA1280_fosB5_	99.05	99.29	99.76	100.00	73.81	73.57	74.05	74.52	73.81	73.81	74.52	74.05	74.52	74.29	74.05	74.52	74.29	75.71	74.76	74.29	73.57	76.67	78.81	69.52	69.76	69.76	70.71	70.48	64.52	67.62	67.38	71.43	71.67	71.43	73.27	72.32	72.38	72.55	72.79	72.79	72.79
5: <i>S. pasteurii</i> -DSM10656	73.33	73.10	73.57	73.81	100.00	92.38	91.90	91.90	79.05	79.05	80.48	78.33	79.76	79.76	79.76	79.76	79.52	80.48	79.76	78.81	80.24	80.95	81.19	67.14	67.14	66.90	70.24	70.48	66.19	67.86	67.62	70.00	70.24	70.00	67.54	67.54	69.29	69.21	69.45	69.45	69.69
6: <i>S. warneri</i> -C33-1	73.10	72.86	73.33	73.57	92.38	100.00	97.14	97.62	79.52	79.52	79.76	78.10	79.29	79.52	79.29	79.29	79.05	79.76	80.24	77.62	78.81	79.76	80.48	66.43	66.43	66.19	69.52	70.24	66.67	67.14	66.90	71.19	70.95	71.19	68.26	68.26	69.05	68.97	69.21	69.21	69.45
7: <i>S. lugdunensis</i> -C47-3	73.57	73.33	73.81	74.05	91.90	97.14	100.00	99.52	79.76	79.76	79.29	77.38	79.05	79.05	79.05	79.05	78.81	79.52	79.76	77.14	78.10	79.29	79.52	65.95	65.95	65.71	69.52	70.24	65.71	66.67	66.43	70.00	70.24	70.00	67.54	67.54	68.57	68.50	68.74	68.74	68.97
8: <i>S. warneri</i> -C63	74.05	73.81	74.29	74.52	91.90	97.62	99.52	100.00	79.76	79.76	79.29	77.38	79.05	79.29	79.05	79.05	78.81	79.52	79.76	77.14	78.10	79.29	79.52	65.95	65.95	65.71	69.52	70.24	66.19	66.90	66.67	70.48	70.71	70.48	68.02	68.02	69.05	68.97	69.21	69.21	69.45
9: <i>S. saprophyticus</i> -ATCC15305	73.33	73.57	73.57	73.81	79.05	79.52	79.76	79.76	100.00	100.00	89.05	86.90	86.67	86.67	86.67	86.67	86.43	88.33	87.62	85.95	85.71	86.67	86.90	71.90	71.67	71.43	74.05	74.29	65.48	66.67	66.43	67.62	67.86	67.62	65.67	65.21	66.30	68.74	69.45	69.45	69.21
10: <i>S. saprophyticus</i> -FDAARGOS_355	73.33	73.57	73.57	73.81	79.05	79.52	79.76	79.76	100.00	100.00	89.05	86.90	86.67	86.67	86.67	86.67	86.43	88.33	87.62	85.95	85.71	86.67	86.90	71.90	71.67	71.43	74.05	74.29	65.48	66.67	66.43	67.62	67.86	67.62	65.67	65.21	66.67	68.74	69.45	69.45	69.21
11: <i>S. saprophyticus</i> -C57-1	74.05	74.29	74.29	74.52	80.48	79.76	79.29	79.29	89.05	89.05	100.00	87.86	89.76	89.29	89.29	89.29	89.05	89.52	88.33	88.10	89.76	90.00	88.57	70.95	70.95	70.71	74.29	74.76	65.00	67.14	66.90	69.29	69.52	69.29	67.78	67.78	70.71	70.88	71.36	71.36	71.12
12: <i>S. equorum</i> -KS1039	73.57	73.81	73.81	74.05	78.33	78.10	77.38	77.38	86.90	86.90	87.86	100.00	89.76	89.29	89.29	89.29	89.05	88.10	90.48	89.05	90.24	90.71	89.05	70.24	70.24	70.24	74.29	74.76	66.90	66.43	66.19	69.76	69.52	69.76	67.06	66.59	69.52	69.69	70.17	70.17	69.93
13: <i>S. saprophyticus</i> -C55-2	74.05	74.29	74.29	74.52	79.76	79.29	79.05	79.05	86.67	86.67	89.76	89.76	100.00	99.52	99.52	99.52	99.29	90.48	88.57	89.76	88.33	89.29	90.71	71.90	71.90	71.90	75.00	75.48	66.43	67.86	67.62	69.52	69.29	69.52	69.21	68.74	70.71	70.88	71.36	71.36	71.12
14: <i>S. saprophyticus</i> -M11-1	73.81	74.05	74.05	74.29	79.76	79.52	79.05	79.29	86.67	86.67	89.29	89.29	99.52	100.00	99.52	99.52	99.29	90.00	88.10	89.29	87.86	88.81	90.24	71.90	71.90	71.90	75.00	75.48	66.19	68.33	68.10	69.29	69.05	69.29	69.45	68.97	70.95	71.12	71.60	71.60	71.36
15: <i>S. saprophyticus</i> -C44-2	73.57	73.81	73.81	74.05	79.76	79.29	79.05	79.05	86.67	86.67	89.29	89.29	99.52	99.52	100.00	99.52	99.76	90.00	88.10	89.29	87.86	88.81	90.24	71.90	71.90	71.90	75.00	75.48	65.95	67.86	67.62	69.05	68.81	69.05	69.21	68.74	70.71	70.88	71.36	71.36	71.12
16: <i>S. saprophyticus</i> -UT1-035	74.05	74.29	74.29	74.52	79.76	79.29	79.05	79.05	86.67	86.67	89.29	89.29	99.52	99.52	99.52	100.00	99.76	90.00	88.10	89.76	87.86	88.81	90.24	71.90	71.90	71.90	75.00	75.48	66.43	67.86	67.62	69.52	69.29	69.52	69.69	69.21	71.19	71.36	71.84	71.84	71.60
17: <i>S. saprophyticus</i> -FDAARGOS_137	73.81	74.05	74.05	74.29	79.52	79.05	78.81	78.81	86.43	86.43	89.05	89.05	99.29	99.29	99.76	99.76	100.00	89.76	87.86	89.52	87.62	88.57	90.00	71.67	71.67	71.67	74.76	75.24	66.19	67.62	67.38	69.29	69.05	69.29	69.45	68.97	70.95	71.12	71.60	71.60	71.36
18: <i>S. cohnii</i> -ATCC29974	75.24	75.24	75.48	75.71	80.48	79.76	79.52	79.52	88.33	88.33	89.52	88.10	90.48	90.00	90.00	90.00	89.76	100.00	89.76	90.48	90.00	91.19	90.71	71.90	72.38	72.38	73.33	74.05	65.71	67.62	67.38	69.76	70.00	69.76	69.69	69.21	69.29	69.93	70.41	70.41	70.17
19: <i>S. saprophyticus</i> -P18-2	74.29	74.52	74.52	74.76	79.76	80.24	79.76	79.76	87.62	87.62	88.33	90.48	88.57	88.10	88.10	88.10	87.86	89.76	100.00	90.24	89.29	91.19	90.95	71.90	71.67	71.67	74.76	75.24	66.67	66.19	65.95	67.86	67.62	67.86	69.69	69.21	70.95	71.60	71.60	71.60	71.36
20: <i>S. saprophyticus</i> -FDAARGOS_336	73.81	74.05	74.05	74.29	78.81	77.62	77.14	77.14	85.95	85.95	88.10	89.05	89.76	89.29	89.29	89.76	89.52	90.48	90.24	100.00	91.90	91.19	90.71	71.43	71.43	71.43	75.00	74.76	66.67	65.95	65.71	70.95	71.19	70.95	69.21	68.97	70.24	70.41	70.88	70.88	70.64
21: <i>S. xylosus</i> -ATCC29971	73.10	73.33	73.33	73.57	80.24	78.81	78.10	78.10	85.71	85.71	89.76	90.24	88.33	87.86	87.86	87.86	87.62	90.00	89.29	91.90	100.00	91.43	88.10	71.19	70.71	70.71	72.86	73.10	65.95	65.00	64.76	70.48	70.24	70.48	67.54	67.30	70.24	69.93	70.41	70.41	70.17
22: <i>S. saprophyticus</i> -M17-3	76.19	76.19	76.43	76.67	80.95	79.76	79.29	79.29	86.67	86.67	90.00	90.7																													