



Figure S2: Distribution of group-specific SNPs over the genome. Positions (with regards to the *S. aureus* COL reference genome) of SNPs specific for the AFR/AUS group across the genome are marked. Blue lines represent synonymous, red lines stand for non-synonymous SNPs

Table S2: Targets with non-synonymous group-specific SNPs and their products.

Target	Product
SACOL0401	hypothetical protein
SACOL0519	acetyltransferase
SACOL0546	peptidyl-tRNA hydrolase
SACOL0564	pyridoxal biosynthesis lyase PdxS
SACOL0595	M20/M25/M40 family peptidase
SACOL0627	uracil-DNA glycosylase
SACOL0635	lipote-protein ligase A family protein
SACOL0695	tagG protein, teichoic acid ABC transporter protein
SACOL0789	7-cyano-7-deazaguanine reductase
SACOL0790	integral membrane domain-containing protein
SACOL0825	HPr kinase/phosphorylase
SACOL0834	hypothetical protein
SACOL0841	phosphoglyceromutase
SACOL0916	SufS subfamily cysteine desulfurase
SACOL0922	hypothetical protein
SACOL0938	DltD protein
SACOL0960	ornithine--oxo-acid transaminase
SACOL1048	acetyltransferase
SACOL1198	cell division protein FtsA
SACOL1235	ribulose-phosphate 3-epimerase
SACOL1245	3-oxoacyl-ACP reductase
SACOL1299	acetoacetyl-CoA reductase
SACOL1389	DNA topoisomerase IV subunit B
SACOL1390	DNA topoisomerase IV subunit A
SACOL1483	hypothetical protein
SACOL1518	cytidylate kinase
SACOL1538	hypothetical protein
SACOL1565	arginine repressor
SACOL1615	DEAD/DEAH box helicase
SACOL1617	hypothetical protein
SACOL1637	molecular chaperone DnaK
SACOL1640	coproporphyrinogen III oxidase
SACOL1675	TPR domain-containing protein
SACOL1758	alanine dehydrogenase
SACOL1761	hypothetical protein
SACOL1767	septation ring formation regulator EzrA
SACOL1770	glycerophosphoryl diester phosphodiesterase
SACOL1818	riboflavin biosynthesis protein
SACOL1911	hypothetical protein
SACOL1947	hypothetical protein
SACOL1964	hypothetical protein
SACOL1969	adenylosuccinate lyase
SACOL1973	hypothetical protein

SACOL1980	hypothetical protein
SACOL2083	thiamine-phosphate pyrophosphorylase
SACOL2107	phosphotyrosine protein phosphatase
SACOL2132	hypothetical protein
SACOL2224	50S ribosomal protein L6
SACOL2276	inosine-uridine preferring nucleoside hydrolase
SACOL2300	hypothetical protein
SACOL2362	malate:quinone oxidoreductase
SACOL2368	acetyltransferase
SACOL2385	HSP20 family protein
SACOL2452	amino acid ABC transporter permease
SACOL2560	hydroxymethylglutaryl-CoA reductase, degradative
SACOL2582	hypothetical protein
SACOL2587	hypothetical protein
SACOL2600	hypothetical protein
SACOL2617	alpha-acetolactate decarboxylase
SACOL2647	hypothetical protein
SACOL2651	tributylin esterase EstA
SACOL2654	carbamate kinase