

Title: ***Staphylococcus hominis* subspecies can be identified by
SDS-PAGE or MALDI-TOF MS profiles**

Eliezer Menezes Pereira^{1,2}; Claudio Simões de Mattos²; Olinda Cabral dos Santos²; Dennis Carvalho Ferreira³; Tamara Lopes Rocha de Oliveira²; Marinella Silva Laport²; Eliane de Oliveira Ferreira² and Katia Regina Netto dos Santos^{2,*}

Instituto Federal de Educação, Ciência e Tecnologia do Rio de Janeiro (Campus Pinheiral)¹; Departamento de Microbiologia Médica, Instituto de Microbiologia Paulo de Góes, Universidade Federal do Rio de Janeiro²; Faculdade de Odontologia, Universidade Veiga de Almeida, Faculdade de Odontologia, Universidade Estácio de Sá, Rio de Janeiro, Brazil³

Supplementary material 1 – Identification tests and presence of *mecA* gene in subspecies among 49 *Staphylococcus hominis* isolates

Group of isolates	Isolates number (n)	Identification tests					Presence of <i>mecA</i> gene (n)
		MicroScan automated system	Novobiocin test		SDS-PAGE total proteins	Mass spectra by MALDI-TOF MS	
			0.04U disk	MIC or range (µg/ml)			
I	72Hp , 77Hp, 233s, 507s 654s, 655s , 282s, 681s (8)	<i>Shh</i>	S	< 0.25	<i>Shh</i>	<i>Shh</i>	negative (7) positive (1)
II	12Hp , 16Hp, 226s, 238s , 245s, 261s, 648s, 657s , 658s, 661s , 663s , 664s , 665s, 667s, 668s, 669s, 672s, 678s, 679s, 680s (20)	<i>Shn</i>	R	> 16	<i>Shn</i>	<i>Shn</i>	Positive
III	178s , 60s , 79Hp, 92s , 659s , 666s , 673s , 674s , 675s , 676s , 677s , 34Hp, 187s , 649s , 653s , 660s , 662s , 671s , 682s (19)	<i>Shh</i>	S	< 0.25 - 1.0	<i>Shn</i>	<i>Shn</i>	positive (16) negative (3)
IV	656s , 670s (2)	<i>Shh</i>	R	8.0 - > 16	<i>Shn</i>	<i>Shn</i>	positive

Shh – *S. hominis hominis*; *Shn* – *S. hominis novobiosepticus*; MIC – minimum inhibitory concentration; the isolates in bold were used to construct the library in the MALDI-TOF MS.