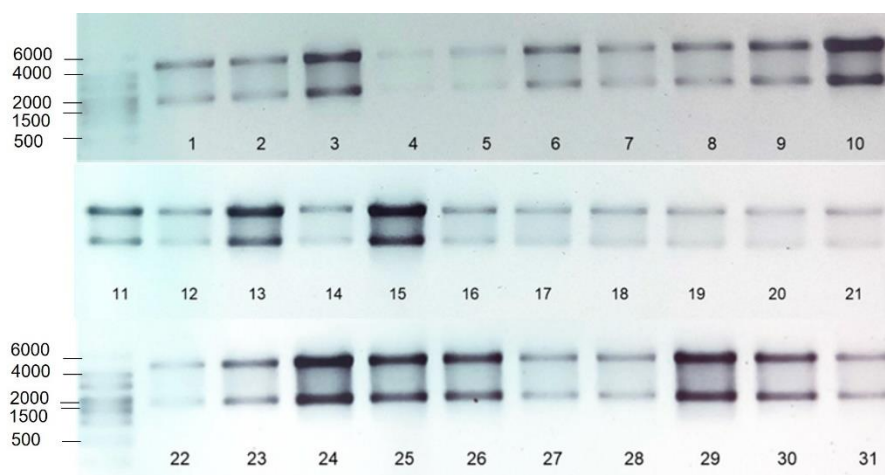


Supplement to “Extraction of High-Quality RNA from *S. aureus* Internalized by Endothelial Cells”



Supplementary Figure S1. Gel electrophoresis of endothelial RNA samples. RNA ladder in bp. Numbers refer to Supp. Table S1.

Supplementary Table S1: List of endothelial RNA control and infected samples. Numbers refer to Supp. Figure S1.

Control samples	<i>S. aureus</i> infected samples
1 Non-infected 90 min p.i._1	16 Infected 90 min p.i._1
2 Non-infected 90 min p.i._2	17 Infected 90 min p.i._2
3 Non-infected 90 min p.i._3	18 Infected 90 min p.i._3
4 Non-infected 90 min p.i._4	19 Infected 90 min p.i._4
5 Non-infected 90 min p.i._5	20 Infected 90 min p.i._5
6 Non-infected 24 h p.i._1	21 Infected 90 min p.i._6
7 Non-infected 24 h p.i._2	22 Infected 24 h p.i._1
8 Non-infected 24 h p.i._3	23 Infected 24 h p.i._2
9 Non-infected 24 h p.i._4	24 Infected 24 h p.i._3
10 Non-infected 24 h p.i._5	25 Infected 24 h p.i._4
11 Non-infected 48 h p.i._1	26 Infected 24 h p.i._5
12 Non-infected 48 h p.i._2	27 Infected 48 h p.i._1
13 Non-infected 48 h p.i._3	28 Infected 48 h p.i._2
14 Non-infected 48 h p.i._4	29 Infected 48 h p.i._3
15 Non-infected 48 h p.i._5	30 Infected 48 h p.i._4
	31 Infected 48 h p.i._5

Supplementary Table S2: Overview of primers used in the study.

Endothelial primers (5'-3')	Forward	Reverse	Product size [bp]	Reference	Final concentration [nM]
<i>GAPDH</i>	GCAAATTTCCATGGCACCGT	GCCCCACTTGATTTTGGAGG	104	Tuscherr et al., 2011 [28]	67
<i>ACTB</i>	AACTGGAACGGTGAAGGTG	CTGTGTGGACTTGGGAGAGG	209	Tuscherr et al., 2011 [28]	67
<i>ICAM1</i>	ACCTCCCCACCCACATACATTT	GGCATAGCTTGGGCATATTCC	96	Tuscherr et al., 2011 [28]	100
Bacterial primers (5'-3')	Forward	Reverse	Product size [bp]	Reference	Final concentration [nM]
<i>gyrB</i>	AATTGAAGCAGGCTATGTGT	ATAGACCATTTTGGTGTGG	122	Tuscherr et al., 2011 [28]	200
<i>tmRNA</i>	CACTCTGCATCGCCTAACAG	TCAAACGGCAGTGTTTAGCA	136	Bordeau et al., 2016 [32]	200
<i>aroE</i>	CTATCCACTTGCCATCTTTTAT	ATGGCTTTAATATCACAATTCC	83	Tuscherr et al., 2011 [28]	200
<i>gmk</i>	AAGGTGCAAAGCAAGTTAGAA	CTTTACGCGCTTCGTTAATAC	150	Tuscherr et al., 2011 [28]	200
<i>hu</i>	CCTCAAAGTTACCGAAACCAA	AGCTGGTTCAGCAGTAGATGC	95	Buvelot et al., 2021 [33]	200
<i>agrA</i>	AACTGCACATACACGCTTACA	GGCAATGAGTCTGTGAGATTT	155	Tuscherr et al., 2011 [28]	200
<i>eap</i>	TGCATATGGAACATGGACTTTAGAA	AAGCGTCTGCCGCAGCTA	83	Tuscherr et al., 2011 [28]	200
<i>fnbA</i>	ACAAGTTGAAGTGGCACAGCC	CCGCTACATCTGCTGATCTTGTC	74	Vaudaux et al., 2002 [34]	125

Supplementary Table S3: Ranking of *S. aureus* housekeeping genes according to their transcript length and summary of ranking in different conditions.

Ranking	Housekeeping gene	Transcript length [bp]	Condition I: <i>S. aureus</i> from culture	Condition II: intracellular <i>S. aureus</i>	Across both conditions
1	<i>gyrB</i>	1935	4	1	1
2	<i>aroE</i>	802	5	5	4
3	<i>gmk</i>	624	1	4	3
4	<i>tmRNA</i>	362	2	3	1
5	<i>hu</i>	273	3	2	2