

Supplemental File S3: Detection of enterotoxin B

Array layout [36], as diagramm (left) and with the image of isolate 05-15398 superimposed (right)

1	39	40	41	42	43	44	45	46	47	47	1
	28	29	30	31	32	33	34	35	36	37	38
1	17	18	19	20	21	22	23	24	25	26	27
1	6	7	8	9	10	11	12	13	14	15	16
39	40	41	42	43	44	45	46	2	3	4	5
27	28	29	30	31	32	33	34	35	36	37	38
15	16	17	18	19	20	21	22	23	24	25	26
3	4	5	6	7	8	9	10	11	12	13	14
36	37	38	39	40	41	42	43	44	45	46	2
24	25	26	27	28	29	30	31	32	33	34	35
12	13	14	15	16	17	18	19	20	21	22	23
1	2	3	4	5	6	7	8	9	10	11	1

1	39	40	41	42	43	44	45	46	47	47	1
	28	29	30	31	32	33	34	35	36	37	38
1	17	18	19	20	21	22	23	24	25	26	27
1	6	7	8	9	10	11	12	13	14	15	16
39	40	41	42	43	44	45	46	2	3	4	5
27	28	29	30	31	32	33	34	35	36	37	38
15	16	17	18	19	20	21	22	23	24	25	26
3	4	5	6	7	8	9	10	11	12	13	14
36	37	38	39	40	41	42	43	44	45	46	2
24	25	26	27	28	29	30	31	32	33	34	35
12	13	14	15	16	17	18	19	20	21	22	23
1	2	3	4	5	6	7	8	9	10	11	1

- 1 biotin marker (staining controls; their asymmetrical distribution allows the correct alignment of the array to the grid)
- 2 - 4 ricin specific antibodies
- 5 - 36 botulinum toxin specific antibodies
- 37 *Staphylococcus aureus* enterotoxin A specific antibody
- 38 *Staphylococcus aureus* enterotoxin B specific antibody
- 39 *Staphylococcus aureus* enterotoxin B specific antibody
- 40 *Staphylococcus aureus* enterotoxin B specific antibody
- 41 *Staphylococcus aureus* enterotoxin B specific antibody
- 42 *Staphylococcus aureus* enterotoxin B specific antibody
- 43 *Staphylococcus aureus* enterotoxin B specific antibody
- 44 *Staphylococcus aureus* enterotoxin B specific antibody
- 45 *Staphylococcus aureus* enterotoxin C specific antibody
- 46 *Staphylococcus aureus* enterotoxin A/B/C/D/E cross-reactive antibody
- 47 negative control (buffer)

Sample / strain	Genotypic detection of <i>seb</i> by		Phenotypic detection of enterotoxin B by protein array
	Primer-directed amplification	Random amplification	
Recombinant SEB, 0.01 µg/ml (as positive control)	n.a.	n.a.	POSITIVE
ST250-MRSA-I, „Early/Ancstral MRSA“ reference strain COL (as positive control)	POSITIVE	POSITIVE	POSITIVE
CC8-MRSA-IV, „Lyon Clone/UK-EMRSA-2“ isolate 2006VA041111 (as negative control)	NEGATIVE	n.a.	NEGATIVE
ST75-MRSA-IV, isolate 03-17848	NEGATIVE	AMBIGUOUS	NEGATIVE
ST75-MRSA-IV, isolate 04-16785	NEGATIVE	AMBIGUOUS	NEGATIVE
ST75-MRSA-IV, isolate 04-17542	POSITIVE	POSITIVE	POSITIVE
ST75-MRSA-IV, isolate 05-15398	POSITIVE	POSITIVE	POSITIVE
ST883-MRSA-IV, isolate 06-16607	NEGATIVE	NEGATIVE	NEGATIVE