

**Table 2.** The effect of deletion of *murM* on the cell wall stem peptide composition

Peptide	Pen6	Pen6 $\Delta$ murM	Pen6 $\Delta$ murMpM3N	Pen6 $\Delta$ murMpM9N
<b>1</b>	3.0	<b>41.4</b>	1.0	1.0
<b>2</b>	0.8	4.9	0.7	0.1
<b>3</b>	<b>16.1</b>	0.1	<b>19.3</b>	0.7
<b>I</b>	<b>15.1</b>	0.1	3.1	<b>24.3</b>
<b>II</b>	2.8	0.2	1.8	5.6
<b>4</b>	2.8	<b>45.4</b>	3.5	0.8
<b>III</b>	2.8	0.4	0.9	6.8
<b>5</b>	2.2	3.7	0.9	0.4
<b>6</b>	2.7	0.1	2.9	1.7
<b>7</b>	<b>11.6</b>	0.4	<b>25.0</b>	3.6
<b>IV</b>	<b>8.2</b>	0.3	4.9	4.1
<b>V</b>	<b>12.1</b>	0.5	9.4	12.7
<b>8</b>	2.0	0.2	9.7	1.6
<b>VI</b>	<b>10.8</b>	0.6	9.4	<b>33.2</b>
<b>9</b>	7.1	1.6	7.4	3.2
<b>Total</b>	100	100	100	100
MONOMERS	41	47	27	39
>MONOMERS	59	53	73	61
LINEAR PEPTIDES	12	94	14	4
BRANCHED PEPTIDES	88	6	86	96
Serine Branched	49	5	64	22
Alanine Branched	40	1	22	74
% Branched S	55	75	75	23
% Branched A	45	25	25	77
B/L PEPTIDES	7.7	0.1	6.2	21.3