

**Table 3.** Enrichment of the cell wall of *S. pneumoniae* R36A in branched stem peptides in the plasmid transformant R36ApM18 carrying the *murM* gene from the penicillin-resistant strain KY17

Peptide	R36A	KY17	R36ApM18
<b>1</b>	<b>15.9</b>	4.4	3.2
<b>2</b>	4.0	0.3	1.0
<b>3</b>	2.7	<b>29.5</b>	<b>19.9</b>
<b>I</b>	1.7	9.4	7.5
<b>II</b>	1.7	2.4	2.4
<b>4</b>	<b>25.4</b>	4.9	0.6
<b>III</b>	2.1	1.3	1.1
<b>5</b>	11.8	3.3	2.0
<b>6</b>	6.9	1.9	1.4
<b>7</b>	6.5	<b>21.0</b>	<b>23.3</b>
<b>IV</b>	2.0	5.2	9.3
<b>V</b>	2.4	5.3	10.1
<b>8</b>	7.9	4.6	4.0
<b>VI</b>	4.0	1.9	5.2
<b>9</b>	4.9	4.6	9.0
<b>Total</b>	100	100	100
MONOMERS	28	47	35
>MONOMERS	72	53	65
LINEAR PEPTIDES	59	16	11
BRANCHED PEPTIDES	41	84	89
Serine Branched	29	66	65
Alamine Branched	12	18	24
%Brached S	71	78	73
%Brached A	29	22	27
B/L PEPTIDES	0.7	5.6	8.3