

**Figure S4  
(A)**

<b>Protein</b>	<b>Residues</b>	<b>Sequence</b>	<b>Organism</b>
<b>RsbV</b>	<b>51-63</b>	V S Y M D S T G L G V	<i>B. subtilis</i>
<b>BldG</b>	<b>52-64</b>	V D F L D S T G L G V	<i>S. coelicolor</i>
<b>Slr1859</b>	<b>52-64</b>	L E Y M S S A G L R I	<i>Synechocystis</i> PCC 6803
<b>Slr1856</b>	<b>49-61</b>	V P Y M S S A G L R L	<i>Synechocystis</i> PCC 6803
<b>SpoIIAA</b>	<b>53-65</b>	L S F M D S S G L G V	<i>B. subtilis</i>
<b>RsbR</b>	<b>200-212</b>	V P V V D T M V A H H	<i>B. subtilis</i>
<b>RsbS</b>	<b>54-66</b>	V D M I D S F I A K V	<i>B. subtilis</i>
<b>0516c</b>	<b>76-88</b>	L S H F S G A G I S L	<i>M. tuberculosis</i>

**(B)**

**Family Member    Sequence**

<b>Rv1904</b>	M G S C A Y A
<b>Rv2638</b>	M G C C A F A
<b>Rv1365c</b>	M G C C A V A
<b>Rv0941c</b>	M P V Y P T E
<b>Rv0516c</b>	F S G A G I S
<b>Rv3687c</b>	L G S V G L K
<b>SpoIIAA</b>	M D S S G L G
<b>RsbV</b>	M D S T G L G