

**Table 2.** Location of  $\beta$ -galactosidase expressed from the *sacB'*-*lacZ* fusion subject to different transcriptional controls

Strain	Controlling $\sigma$ factor*	Organisms showing the indicated staining pattern <sup>§</sup>			
		Prespore	Mother cell	Whole cell	No fluorescence
SL8017	$\sigma^F/\sigma^F$	210 <sup>†</sup>	0	0	382
SL8213	$\sigma^F/\sigma^F$	207 <sup>†</sup>	0	0	465
SL8038	$\sigma^E/\sigma^E$	0	142 <sup>‡</sup>	3	359
SL8030	$\sigma^F/\sigma^E$	0	0	0	506
SL8026	$\sigma^E/\sigma^F$	0	0	0	508
SL8730	$\sigma^G/\sigma^G$	139 <sup>†</sup>	1	0	382
SL8733	$\sigma^G/\sigma^G$	106 <sup>†</sup>	1	0	418
SL8731	$\sigma^F/\sigma^G$	0	0	0	505
SL8832	$\sigma^F/\sigma^G$	0	0	0	511
SL9155	$\sigma^K/\sigma^K$	1	187 <sup>‡</sup>	2	459
SL9157	$\sigma^E/\sigma^K$	0	0	0	450

\* The first  $\sigma$  factor directs transcription of *sacB'*-*lacZ* and the second transcription of *sacY*(1-55).

<sup>†</sup> With strains SL8730 and SL8733, expression was detected only in postengulfment prespores. With strains SL8017 and SL8213, expression was detected in the pre- and postengulfment prespores.

<sup>‡</sup> With strain SL9155, expression was detected only in postengulfment mother cells. With strain SL8038, expression was detected in the pre- and postengulfment mother cells.

<sup>§</sup> Samples were taken at T3 for SL8017 and SL8213, in which the *sacB'*-*lacZ* fusions are under the control of a promoter directed by  $\sigma^F$ ; at T3.5 for SL8038, in which the *sacB'*-*lacZ* fusion is under the control of a promoter directed by  $\sigma^E$ ; and at T6 – T7 for SL8730, SL8733, and SL9155, in which the *sacB'*-*lacZ* fusions are under the control of a promoter directed by  $\sigma^G$  or  $\sigma^K$ .