

Table S6. Effect of *FsBmh* mutation or overexpression on the spores grown on carnation leaf agar.

Strain	Spore length (μm)				Spore width (μm)			
	Microspore (mini)	Microspore (normal)	Macrospore (2 cells)	Macrospore (3-4 cells)	Microspore (mini)	Microspore (normal)	Macrospore (2 cells)	Macrospore (3-4 cells)
WT	8.32 ± 1.52 ^a	14.96 ± 2.29 ^a	22.10 ± 1.69 ^{ab}	26.90 ± 2.96 ^b	1.68 ± 0.45 ^a	1.98 ± 0.43 ^{ab}	2.22 ± 0.41 ^{ab}	2.46 ± 0.51 ^{ab}
Δ <i>FsBmh1</i>	8.33 ± 1.23 ^a	14.64 ± 2.96 ^a	24.55 ± 3.54 ^{ab}	34.91 ± 3.11 ^a	1.70 ± 0.41 ^a	1.81 ± 0.25 ^b	1.94 ± 0.30 ^b	2.10 ± 0.25 ^b
Δ <i>FsBmh1</i> /s <i>FsBmh2</i>	8.21 ± 1.93 ^a	14.12 ± 2.68 ^a	25.06 ± 3.08 ^a	32.44 ± 2.87 ^a	1.74 ± 0.45 ^a	1.94 ± 0.18 ^{ab}	2.27 ± 0.46 ^{ab}	2.36 ± 0.53 ^{ab}
O- <i>FsBmh1</i>	8.58 ± 1.24 ^a	14.83 ± 1.80 ^a	22.75 ± 1.65 ^{ab}	25.17 ± 1.83 ^b	1.85 ± 0.31 ^a	1.96 ± 0.14 ^{ab}	2.29 ± 0.45 ^{ab}	2.44 ± 0.48 ^{ab}
C-Δ <i>FsBmh1</i>	8.41 ± 2.90 ^a	15.25 ± 2.99 ^a	22.83 ± 3.04 ^{ab}	25.17 ± 2.23 ^b	1.75 ± 0.45 ^a	2.08 ± 0.29 ^{ab}	2.20 ± 0.45 ^{ab}	2.42 ± 0.51 ^{ab}
Δ <i>FsBmh2</i>	6.89 ± 1.71 ^{ab}	13.61 ± 2.67 ^a	21.60 ± 2.19 ^b	25.06 ± 1.67 ^b	1.94 ± 0.24 ^a	2.33 ± 0.49 ^{ab}	2.60 ± 0.55 ^a	2.77 ± 0.42 ^a
Δ <i>FsBmh2</i> /s <i>FsBmh1</i>	6.10 ± 1.19 ^b	13.44 ± 2.00 ^a	21.87 ± 2.42 ^b	24.75 ± 1.28 ^b	1.85 ± 0.34 ^a	2.11 ± 0.33 ^{ab}	2.31 ± 0.46 ^{ab}	2.50 ± 0.53 ^{ab}
O- <i>FsBmh2</i>	8.73 ± 2.24 ^a	15.18 ± 1.78 ^a	22.73 ± 1.73 ^{ab}	25.36 ± 2.42 ^b	1.75 ± 0.40 ^a	2.09 ± 0.30 ^{ab}	2.23 ± 0.41 ^{ab}	2.42 ± 0.43 ^{ab}
C-Δ <i>FsBmh2</i>	8.54 ± 3.07 ^a	15.09 ± 1.87 ^a	22.54 ± 2.16 ^{ab}	25.18 ± 2.44 ^b	1.81 ± 0.34 ^a	2.04 ± 0.35 ^{ab}	2.25 ± 0.43 ^{ab}	2.42 ± 0.48 ^{ab}