

**Supplementary Table 2** The average methylation ratios of flower samples

Sequence contexts	CpG	CHG	CHH
Sample			
F-1 (female flowers in spring)	79.1549 %	61.4239 %	5.9817 %
F-2 (female flowers in spring)	80.3338 %	63.4217 %	8.9348 %
F-3 (female flowers in spring)	79.9694 %	63.1497 %	9.2060 %
M-1 (male flowers in spring)	79.7965 %	61.3563 %	5.6666 %
M-2 (male flowers in spring)	78.8467 %	59.6708 %	3.9060 %
M-3 (male flowers in spring)	79.4604 %	60.7333 %	4.9475 %
Fs-1 (female flowers in summer)	81.6775 %	63.4453 %	6.0635 %
Fs-2 (female flowers in summer)	81.6313 %	63.4238 %	6.0972 %
Fs-3 (female flowers in summer)	81.7146 %	63.6039 %	6.2144 %
Ms-1 (male flowers in summer)	81.4944 %	63.429 %	6.4303 %
Ms-2 (male flowers in summer)	81.4941 %	63.5407 %	6.7509 %
Ms-3 (male flowers in summer)	81.4510 %	63.4491 %	6.5899 %
Fw-1 (female flowers in winter)	81.7120 %	64.9993 %	10.1820 %
Fw-2 (female flowers in winter)	81.2076 %	64.3152 %	9.4026 %
Mw-1 (male flowers in winter)	81.7541 %	64.7106 %	9.1560 %
Mw-2 (male flowers in winter)	81.7844 %	64.7188 %	8.6955 %