

**Supplemental Table 3.** Relative alkaloid content (% maximum) of control (pTRV2) and *SOMT1*-, *SOMT2*-, *SOMT3*- and *SOMT1/2/3*-silenced plants determined using LC-MS/MS.

	Morphine	Codeine	Thebaine	Reticuline	Scoulerine	Papaverine	Tetrahydrocolumbamine	Narcotine	Noscapine
pTRV2	100	100	100	100	30.9	100	29.0	100	100
pTRV2-SOMT1	78.3	36.6	47.9	82.1	100	53.3	26.5	27.0	59.7
pTRV2-SOMT2	55.4	54.0	65.9	54.7	56.2	83.7	100	78.9	81.0
pTRV2-SOMT3	85.5	79.4	80.0	76.4	22.2	86.2	34.1	86.8	90.6
pTRV2-SOMT1/2/3	63.8	46.1	59.0	34.7	85.0	71.1	12.6	54.7	52.3