

Species	Number of palmitoylation(s)	Number of artificial modification(s)	Q1 <i>m/z</i>	Q3 <i>m/z</i>	Collision energy (V)
Mouse	0	0	946.2	320.2	26
		1	950.0	335.2	34
		2	953.7	350.2	34
	1	0	1005.8	320.2	30
		1	1009.6	335.2	34
		2	1013.3	350.2	38
	2	0	1065.4	320.2	30
		1	1069.2	335.2	36
		2	1072.9	350.2	38
Cow	0	0	892.9	320.2	24
		1	896.7	335.2	30
		2	900.4	350.2	26
	1	0	952.5	320.2	26
		1	956.3	335.2	34
		2	960.0	350.2	30
	2	0	1012.1	320.2	26
		1	1015.9	335.2	34
		2	1019.6	350.2	26

Supplemental table. Selected reaction monitoring transition list for SP-C analysis

### **Supplemental figure legends**

Figure S1. MS<sup>2</sup> analysis of palmitoylated mSP-C with different artificial modifications. MS<sup>2</sup> analyses of the indicated parent ions were performed. The y-series ions are consistent with the artificial modifications (oxidation and/or methylation) and the b-series ions are consistent with the palmitoylation status.

Figure S2. Analysis of mSP-C in bronchoalveolar lavage fluid. Bronchoalveolar lavage fluid from mice was analyzed as in Fig. 3C. All the SRM channels are shown. Only dipalmitoylated mSP-C is detected.

# Figure S1

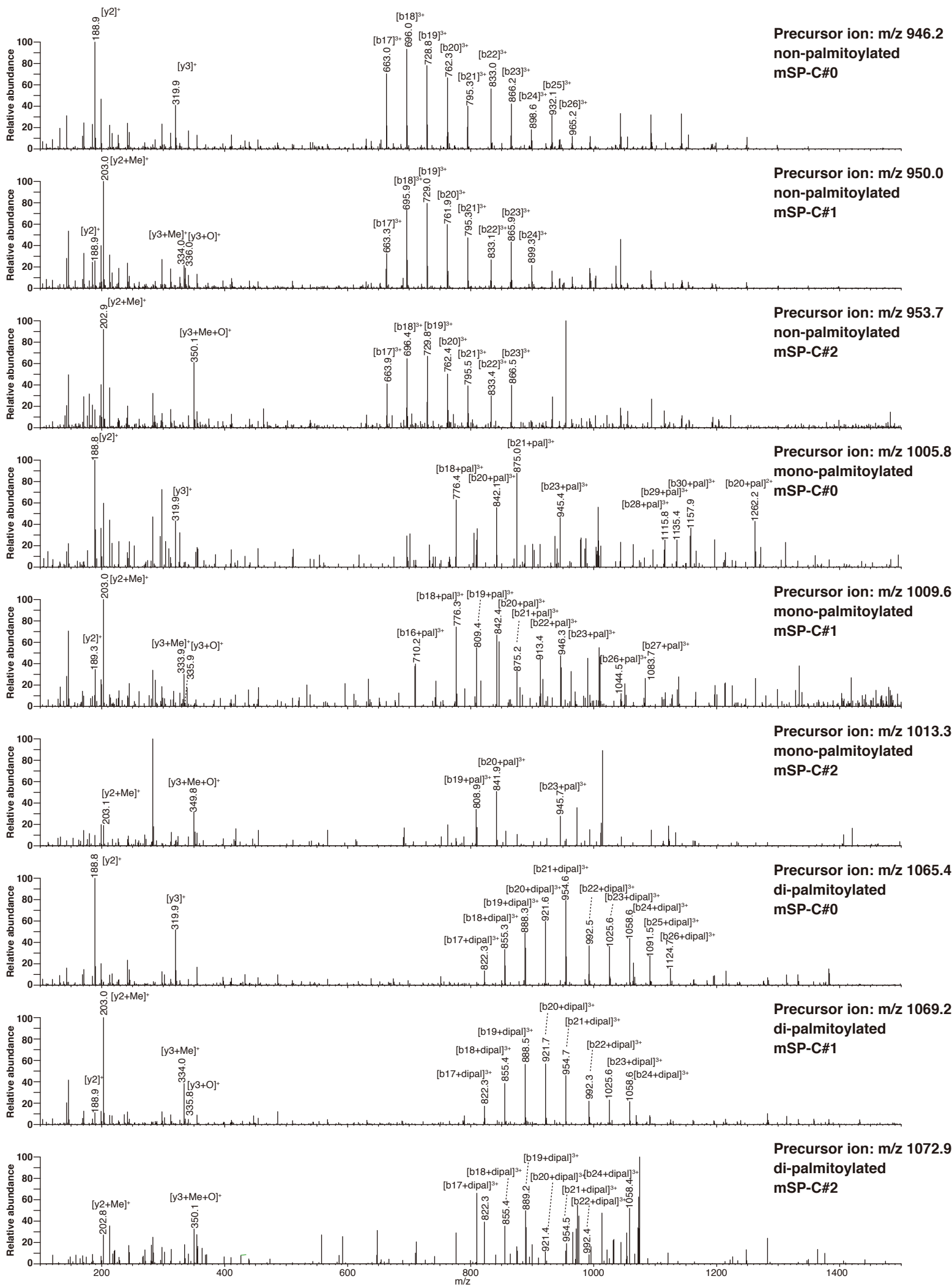


Figure S2

