

SUPPLEMENTARY TABLES

Table S1. Total number of grain and straw samples received per canton of Switzerland in 2016 and 2017.

Canton	Grain ¹	Straw ¹
Jura	30	29
Aargau	23	23
Bern	23	21
Vaud	21	20
Zürich	21	20
Graubünden	16	14
Schaffhausen	15	13
Genève	14	13
Thurgau	13	13
Luzern	12	12
St. Gallen	12	11
Zug	10	10
Neuchâtel	10	9
Solothurn	9	8
Fribourg	9	6
Valais	7	7
Basel-Landschaft	5	5
Ticino	2	2

¹ One sample was received undeclared

Table S2. Limit of detection (LOD, $\mu\text{g kg}^{-1}$) and number of positive samples (\geq LOD) for each analysed *Fusarium* mycotoxin in grain (n = 253) and straw (n = 237) samples of barley.

<i>Fusarium</i> Mycotoxin	Grains		Straw	
	LOD	Positive Samples	LOD	Positive Samples
Antibiotic Y	8.7	98	34.9	77
Apicidin	0.20	73	0.78	131
Aurofusarin	5.0	200	20.0	146
Beauvericin	0.01	85	0.04	187
Butenolide	3.23	124	12.9	23
Culmorin	1.64	158	6.58	141
Deoxynivalenol	1.0	197	4.0	163
Enniatins ¹	0.17	253	0.69	237
Equisetin	0.69	192	2.76	161
Moniliformin	1.52	191	6.07	154
Nivalenol	0.77	83	3.08	68
Zearalenone	0.19	95	0.76	52

¹ Enniatins: sum of enniatin A, A1, B, B1, B2 and B3