

S 4.1 DNA metabarcoding based identification of species products labeled as containing paprika

Sample ID	Capsicum annuum	Wind pollinated species	Wind spread species	Other ingredients
KR18-03	1	1	0	1
KR18-04	1	0	0	0
KR18-07	0	1	0	0
KR18-13	1	1	0	0
KR18-17	1	0	0	0
KR18-19	1	0	0	0
KR18-23	0	1	0	0
KR18-26	1	1	0	0
KR18-28	1	0	1	0
KR18-34	1	0	1	1
KR18-38	1	0	0	1
KR18-45	1	0	0	0
KR18-58	0	0	1	0

S 4.2 DNA metabarcoding based identification of species products labeled as containing oregano

Sample ID	Origanum vulgare	Wind pollinated species	Wind spread species	Other ingredients
KR18-01	0	0	0	1
KR18-05	1	0	1	1
KR18-06	1	0	1	1
KR18-10	1	0	1	1
KR18-12	1	0	1	1
KR18-14	1	0	0	1
KR18-15	1	0	0	0
KR18-21	1	1	0	1
KR18-24	1	0	0	1
KR18-27	1	0	1	1
KR18-29	1	0	1	0
KR18-31	1	0	0	1
KR18-35^	1	1	0	1
KR18-36	1	1	1	0
KR18-41	1	1	1	1
KR18-42	1	0	1	0
KR18-44	1	1	1	1
KR18-47	1	0	0	1
KR18-48	1	1	0	1
KR18-50	1	1	1	1
KR18-55	1	0	1	0
KR18-57	1	1	1	1
KR18-61	1	1	1	1
KR18-62	1	1	1	1

^ includes both basilikum and oregano according to the produkt label.

S 4.3 DNA metabarcoding based identification of species products labeled as containing basil

Sample ID	Ocimum basilicum\$	Wind pollinated species	Wind spread species	Other ingredients
KR18-02	1	1	0	1
KR18-08	1	1	0	1
KR18-11	1	1	0	1
KR18-18	1	1	0	1
KR18-20	1	1	0	1
KR18-22	1	0	0	1
KR18-25	1	1	0	1
KR18-30	1	1	0	1
KR18-32	0	1	0	1
KR18-35^	1	1	0	1
KR18-37	1	1	0	1
KR18-39	1	0	0	1
KR18-40	1	0	0	1
KR18-43	1	1	0	1
KR18-49	1	1	0	1
KR18-51	0	1	1	1
KR18-56	1	0	0	1
KR18-59	1	1	0	1

\$ Ocimum basilicum can not be discriminated by Ocimum americanum by using ITS2. It is unlikely that products contain Ocimum americanum.

^ Both basil and oregano are listed on the product label.