Supplemental Table S4

Templates and PCR results from the *Bacillus* Spp. target groups T1-T5. The target groups are listed in Supplemental Table S3.

		T1			T2			T3			T4			T5		
WGS	**Strain name (culture collection ID of acquired strain)**	**S1**	**S2**	**S3**	**S1**	**S2**	**S3**	**S1**	**S2**	**S3**	**S1**	**S2**	**S3**	**S1**	**S2**	**S3**
wgs	Bacillus anthracis Vollum (NCTC 10340)	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-
wgs	Bacillus cereus (BGSC 6E1)	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-
wgs	Bacillus thuringiensis serovar andalousiensis (BGSC 4AW1)	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-
wgs	Bacillus thuringiensis serovar monterrey (BGSC 4AJ1)	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-
wgs	Bacillus thuringiensis serovar pondicheriensis (BGSC 4BA1)	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-
wgs	Bacillus thuringiensis serovar pulsiensis (BGSC 4CC1)	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-
-	Bacillus thuringiensis str. 97-27 (CIP 105674)	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-
wgs	Bacillus cereus SJ1 (NRRL B-59452)	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-
wgs	Bacillus cereus NVH0597-99	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-
wgs	Bacillus cereus (ATCC 4342)	-	-	-	-	-	-	+	+	+	-	-	-	-	-	-
wgs	Bacillus thuringiensis serovar tochigiensis (BGSC 4Y1)	-	-	-	-	-	-	+	+	+	-	-	-	-	-	-
wgs	Bacillus thuringiensis serovar huazhongensis (BGSC 4BD1)	-	-	-	-	-	-	-	-	-	+	-	+	-	-	-
wgs	Bacillus thuringiensis serovar israelensis (ATCC 35646)	-	-	-	-	-	-	-	-	-	+	+	+	-	-	-
wgs	Bacillus cereus, ATCC 10876 (NCTC 7464)	-	-	-	-	-	-	-	-	-	+	-	+	-	-	-
wgs	Bacillus thuringiensis ATCC 10792 (DSM 2046)	-	-	-	-	-	-	-	-	-	+	+	+	-	-	-
wgs	Bacillus mycoides DSM 2048 (NCTC 12974)	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+
-	Bacillus weihenstephanensis, KBAB4 (DSM 11821)	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+
	Negative control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

T1, T2, T3, T4 and T5 are the target groups used to produce signatures and PCR-assays from.

S1, S2 and S3 represent the three PCR-primer-pairs chosen from the five signatures.

Field highlighted in green represents PCR-positive reaction, as expected from PCR-design.

Field highlighted in orange represents PCR-negative reaction, as expected from PCR design.

Field highlighted in red represents PCR-negative reaction, in contradiction to the positive results expected from PCR-design