

Sample	Sequenced reads	Surviving reads after trimming	wzx				flc				stx1				stx2				ese			etxA4			
			Locus	% covered	% identity	depth	Locus	% covered	% identity	depth	Locus	% covered	% identity	depth	Locus	% covered	% identity	depth	% covered	% identity	depth	% covered	% identity	depth	
beef_Bk-0-1	2475845	2695013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
beef_Bk-24-1	1637549	1637437	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
beef_Bk-24-2	1139280	1139214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
beef_Bk-24-3	2695362	2695013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
beef_A-1	1735479	1735304	O157	88,11	100	5,1	H7	91,35	100	4,23	stx1 a	76,85	100	4,11	stx2 a	92,83	100	7,89	100	100	5,47	95	100	3,09	
beef_A-2	1153272	1153119	O157	100	92	9,88	H7	100	100	8,24	stx1 a	100	100	9,52	stx2 a	100	100	15,86	100	100	13,51	100	100	9,18	
beef_A1-3	2317908	2317508	O157	92,77	100	10,5	H7	97,78	99,77	7,57	stx1 a	100	100	12,11	stx2 a	100	100	13,24	100	100	12,79	96,9	100	6,3	
beef_A2-3	2937756	2937309	O157	100	100	10,91	H7	100	100	11,24	stx1 a	100	100	15,2	stx2 a	100	100	16,81	100	100	21,1	99	100	10,03	
beef_A3-3	2204578	2204197	O157	100	100	5,89	H7	98,46	99,48	9	stx1 a	100	100	7,67	stx2 a	100	100	10,24	100	100	11,85	98,06	100	4,99	
beef_B	1006641	1006503	O157	89,8	100	1,96	H7	93	100	3,98	stx1 a	97,31	100	2,31	stx2 a	100	100	4,07	91,41	100	3,8	89,36	100	2,46	
beef_C	2269583	2269391	O157	100	100	6,29	H7	100	100	13,26	stx1 a	100	100	13,24	stx2 a	100	100	11,37	100	100	15,57	100	100	29,67	
beef_D	2224794	2224472	O157	100	100	5,44	H7	100	89	12,85	stx1 a	100	100	9,45	stx2 a	100	100	8,03	100	100	11,37	100	100	8,85	
beef_E	3307077	3306665	O157	100	100	10,93	H7	100	89	15,52	stx1 a	100	100	10	stx2 a	100	100	11,84	100	100	14,39	100	100	8,37	
goat_Bk_24	2630580	2630000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
goat_O103	2041482	2041209	O103	100	100	72,39	H2	100	100	81,31	stx1 a	100	100	87,98	ND	ND	ND	ND	ND	100	100	102,1	100	100	78,52
goat_O145	2715903	2715593	O145	100	100	66,02	H28	83,97	98,15	106,6	stx1 a	100	100	149,8	ND	ND	ND	ND	ND	63	93,48	13,83	100	100	117,9
goat_O103+O145	2919551	2919286	O103	100	100	47,05	H2	100	100	61,64	stx1 a	100	100	167,9	ND	ND	ND	ND	100	99,86	159,2	100	99,97	177,8	
			O145	100	100	39,85	H28	83,97	98,15	80,18					ND	ND	ND	ND							

Table S2: Gene detection in all metagenomics samples using SRST2  
ND: not detected