

**Additional file 1. Table 1. Number of animals tested and number of samples positive for atypical scrapie by *PrP* genotype and year for abattoir surveys in GB, 2002-2006.**

<i>PrP</i> genotype	2002		2003		2004		2005		2006	
	positive	tested	positive	tested <sup>†</sup>	positive	tested <sup>‡</sup>	positive	tested <sup>‡</sup>	positive	tested <sup>‡</sup>
ARR/ARR	3	3039	7	12535	3	2741	1	2876	1	11805
ARR/AHQ	4	1497	10	5965	3	780	8	834	11	3284
ARR/ARH	0	230	0	1082	0	652	0	676	0	2874
ARR/ARQ	2	4939	7	20063	1	2773	3	2913	6	12078
AHQ/AHQ	4	267	5	938	1	169	0	181	3	728
AHQ/ARH	0	57	0	207	0	98	0	101	1	448
AHQ/ARQ	3	1423	11	5488	2	534	1	569	8	2298
ARH/ARH	0	47	0	327	0	459	0	469	0	2112
ARH/ARQ	0	179	0	813	0	315	1	324	0	1441
ARQ/ARQ	2	2237	4	9192	2	1152	2	1207	5	5112
ARR/VRQ	0	870	0	3449	0	426	0	446	0	1874
AHQ/VRQ	0	265	0	1005	0	103	0	108	0	454
ARH/VRQ	0	33	0	154	0	88	0	89	0	406
ARQ/VRQ	0	658	1	2588	0	259	0	270	0	1156
VRQ/VRQ	0	57	0	332	0	41	0	42	0	189
total	18	15798	45	64138	12	10590	16	11105	35	46259

<sup>†</sup> in 2003 negative samples were *PrP* genotyped between January 2003 and March 2003; negative samples tested during the remainder of the year were assumed to have the same genotype distribution.

<sup>‡</sup> in 2004-2006 negative samples were not *PrP* genotyped; the genotype distribution for negative samples in each year was estimated from the population structure of the national flock based on data from the NSP.

**Table 2. Number of animals tested and number of samples positive for atypical scrapie by *PrP* genotype and year for fallen stock surveys in GB, 2003-2006.**

<i>PrP</i> genotype	2003		2004		2005		2006	
	positive	tested <sup>†</sup>	positive	tested <sup>†</sup>	positive	tested <sup>†</sup>	positive	tested <sup>†</sup>
ARR/ARR	0	758	1	1102	0	2340	0	6587
ARR/AHQ	0	271	1	377	1	757	2	1962
ARR/ARH	1	153	0	200	0	357	0	836
ARR/ARQ	0	760	0	998	0	1934	1	4681
AHQ/AHQ	1	56	1	70	2	127	3	289
AHQ/ARH	0	17	0	17	0	27	1	50
AHQ/ARQ	1	176	0	213	1	381	2	857
ARH/ARH	0	73	0	69	0	99	0	180
ARH/ARQ	0	57	0	55	0	87	0	163
ARQ/ARQ	0	297	1	333	1	564	2	1196
ARR/VRQ	0	111	0	136	0	237	0	506
AHQ/VRQ	0	28	0	31	0	49	0	96
ARH/VRQ	0	13	0	12	0	17	0	28
ARQ/VRQ	0	63	0	68	0	104	0	203
VRQ/VRQ	0	7	0	8	0	11	0	18
total	3	2840	4	3689	5	7091	11	17652

<sup>†</sup> negative samples were not *PrP* genotyped; the genotype distribution for negative samples in each year was estimated from the population structure of the national flock based on data from the NSP.