



Proficiency testing for veterinary laboratories

Results tabulation for 13247/SE PT0093: Scrapie blood genotyping (EURL)

Distribution Date: 27/02/2018

Genotyping	18/7115	18/7116	18/7117	18/7118	18/7119	18/7120	18/7121	18/7122	18/7123	18/7124
	Genotype	Genotype	Genotype	Genotype	Genotype	Genotype	Genotype	Genotype	Genotype	Genotype
Intended										
1110	ALRQ/ALRH	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
1237	ALRQ/ALRH	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
1281	ALRQ/ALRH	ALRQ/AFRQ	VLRQ/AFRQ	AFRQ/AFRQ	ALRR/ALRR	VLRQ/ALRH	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
1301	ALRH/ALRQ	AFRQ/ALRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRQ/ALRQ	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRH/ALRQ
1489	ALRH/ALRQ	AFRQ/ALRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRH/ALRQ
1492	ALRH/ALRQ	AFRQ/ALRQ	ALRQ/VFRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRH/ALRQ
1539	ALRH/ALRQ	AFRQ/ALRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRH/ALRQ
1589	Nil Return									
1643	ALRH/ALRQ	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRH/ALRQ
1705	ALRQ/ALRH	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
1763	ALRQ/ALRH	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
1772	ALRH/ALRQ	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRH/ALRQ
1774	ALRH/ALRQ	AFRQ/ALRQ	VFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRH/ALRQ
1870	ALRQ/ALRH	ALRQ/AFRQ	VLRQ/AFRQ	AFRQ/AFRQ	ALRR/ALRR	VLRQ/ALRH	VLRQ/VLRQ	ALRQ/ALRQ	VLRQ/ALRR	ALRQ/ALRH
2081	ALRQ/ALRH	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
2152	ALRQ/ALRH	ALRQ/AFRQ	VLRQ/AFRQ	AFRQ/AFRQ	ALRR/ALRR	VLRQ/ALRH	VLRQ/VLRQ	ALRQ/ALRQ	VLRQ/ALRR	ALRQ/ALRH
2177	ALRQ/ALRH	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
2188	ALRH/ALRQ	ALRQ/AFRQ	VLRQ/AFRQ	AFRQ/AFRQ	ALRR/ALRR	VLRQ/ALRH	VLRQ/VLRQ	ALRQ/ALRQ	VLRQ/ALRR	ALRH/ALRQ
2198	ALRQ/ALRH	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
2233	ALRQ/ALRH	AFRQ/ALRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
2261	ALRH/ALRQ	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
2265	ALRQ/ALRH	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
2306	ALRQ/ALRH	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRQ/ALRH
2534	ALRH/ALRQ	AFRQ/ALRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRH/ALRQ
2585	ALRH/ALRQ	ALRQ/AFRQ	AFRQ/VLRQ	AFRQ/AFRQ	ALRR/ALRR	ALRH/VLRQ	VLRQ/VLRQ	ALRQ/ALRQ	ALRR/VLRQ	ALRH/ALRQ

Aspects of the work associated with this scheme have been subcontracted to an Animal and Plant Health Agency (APHA) laboratory.

Comments provided by Louise Fothergill, APHA Weybridge

Lab 1301 – Sample 18/7119: The Lab has reported genotype ALRQ/ALRQ instead of the intended ALRR/ALRR. For this reason the Lab has failed this PT round.

Lab 1492 – Sample 18/7117: The Lab has reported genotype ALRQ/VFRQ instead of the intended AFRQ/VLRQ.

The technical part of this analysis is most probably fine as the Lab most likely found A/V at codon 136, L/F at codon 141, R/R at codon 154 and Q/Q at 171, however, the lab has assigned the alleles to genotype ALRQ/VFRQ. The allele VFRQ has, to my knowledge, not been reported and the genotype ALRQ/VFRQ can therefore be excluded based on likelihood.

Even more importantly, the result ALRQ/VFRQ cannot be put forward to a customer (regulatory body, farmer, private veterinarian etc.) as it is not an acknowledged genotype and therefore such a result at least would need some verbal qualification or explanation. This has not happened and therefore, the result as reported is not correct and fails this PT round.

Lab 1774 – Sample 18/7117: The Lab has reported genotype VFRQ/VLRQ instead of the intended AFRQ/VLRQ.

For this reason the lab has failed this PT round.

Lab 1589 – Nil Return: This lab has failed this PT round as no results were submitted.

All other Labs: Have report all samples as the intended results.

IN CONCLUSION:

Lab 1301, Lab 1492, Lab 1589 and Lab 1774 have failed this PT round.

All other Labs have passed this PT round.



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