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Development of a qPCR assay for the quantification of canine autosomal DNA recovered from livestock attacks

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Dawnay, N, Riley, P, Dawnay, L, Ogden, R and McColl, S (2024) Development of a qPCR assay for the quantification of canine autosomal DNA recovered from livestock attacks. *Science & Justice*, 64 (6). pp. 688-697. ISSN 1355-0306

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Supplemental Data 3 - CaDNAP Panel 1 and 2:

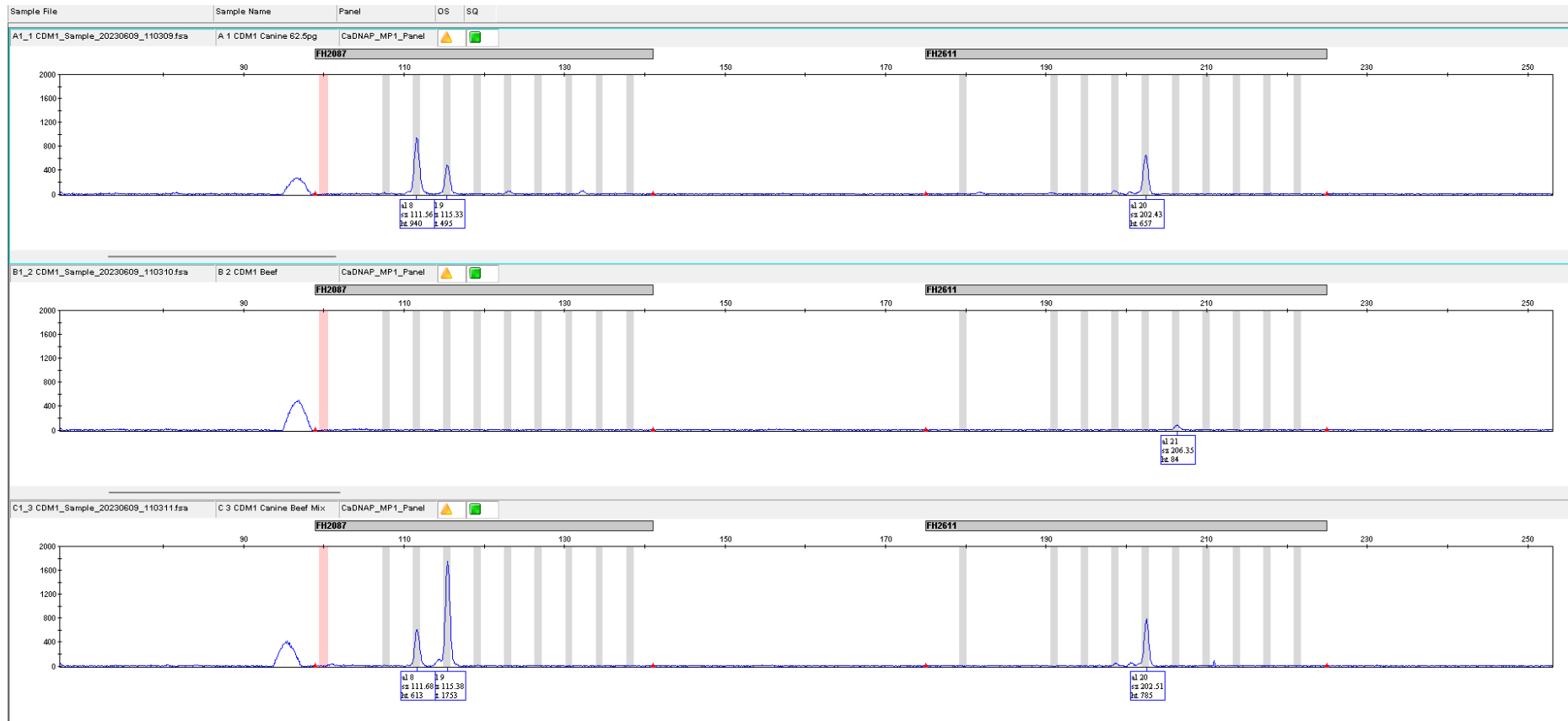


Figure 1: (Top) Single source canine DNA at 62.5pg, (Middle) single source Cattle DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Cattle (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 1

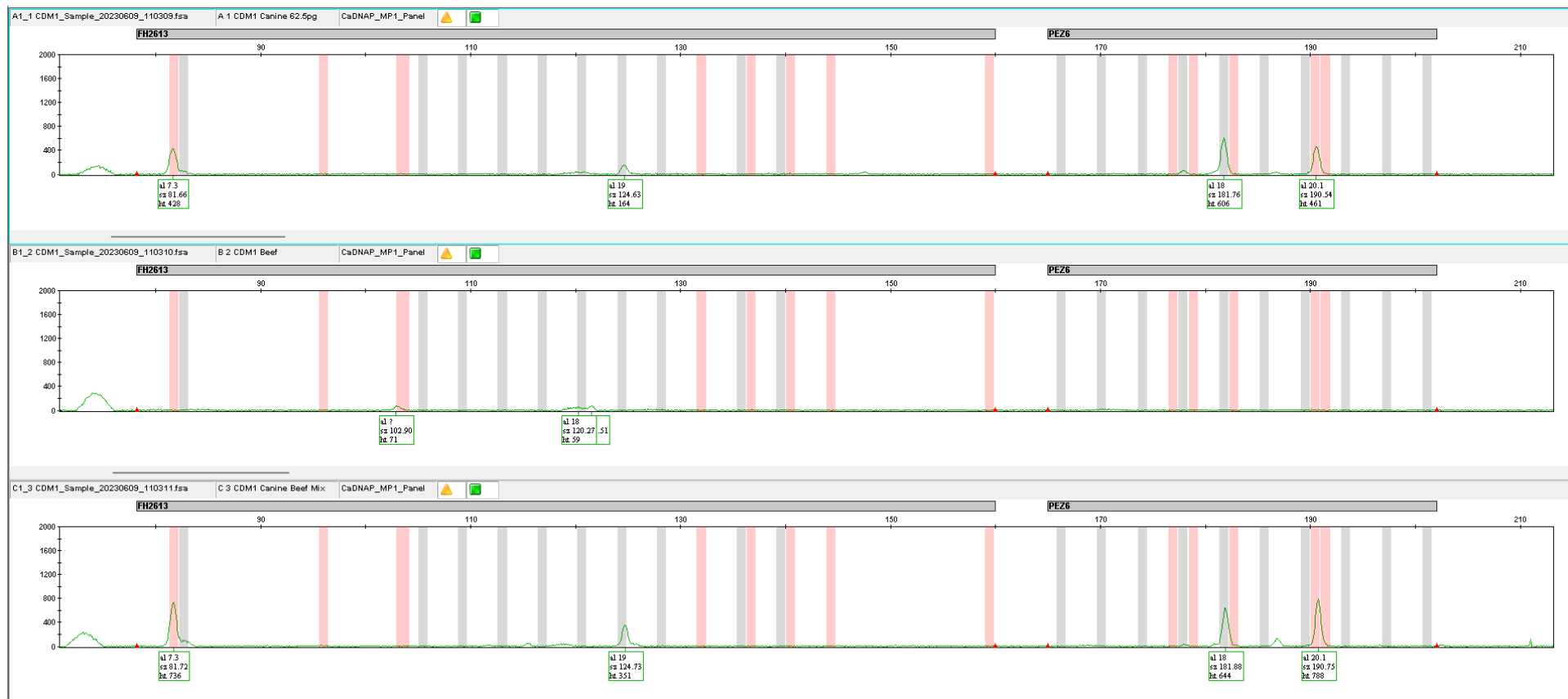


Figure 2: (Top) Single source canine DNA at 62.5pg, (Middle) single source Cattle DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Cattle (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 1

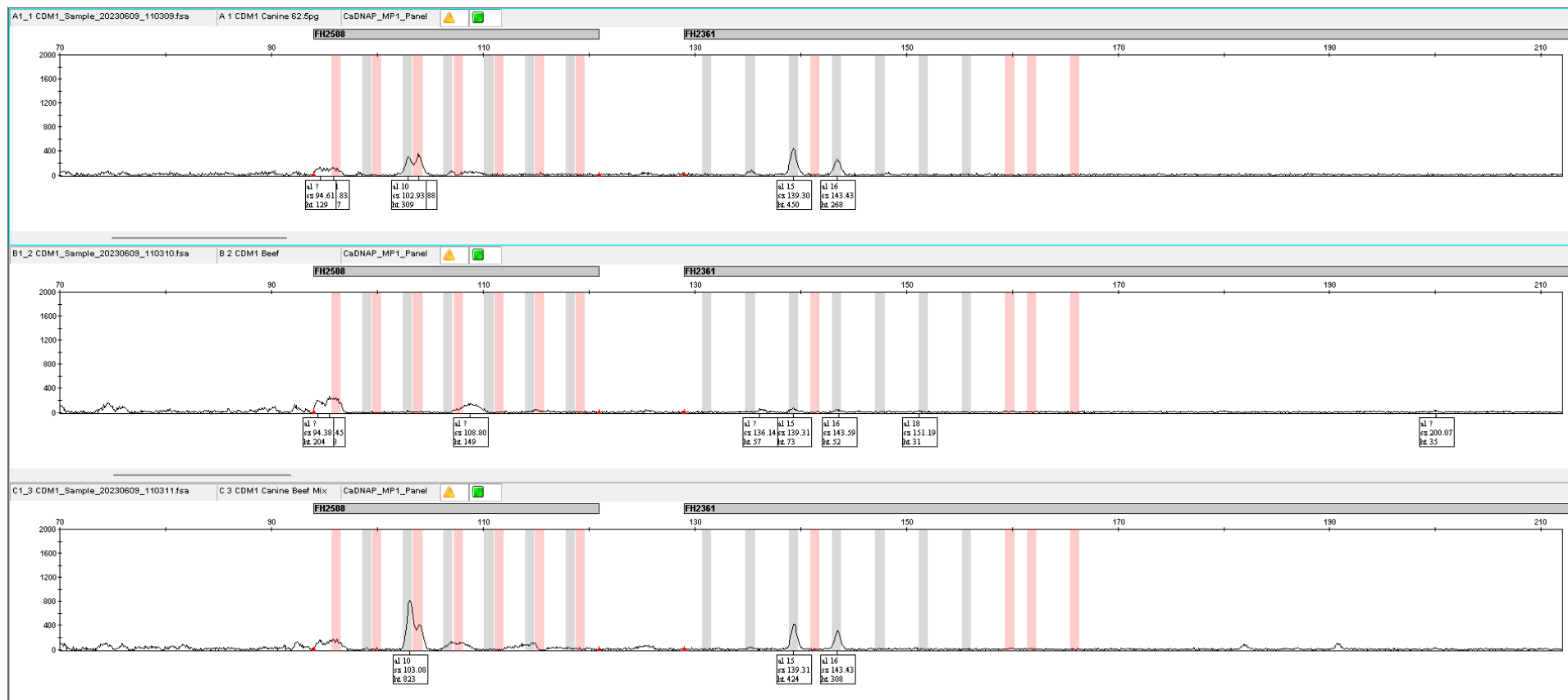


Figure 1: (Top) Single source canine DNA at 62.5pg, (Middle) single source Cattle DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Cattle (31.25ng) DNA for two loci in the Yellow channel for CaDNAP Panel 1

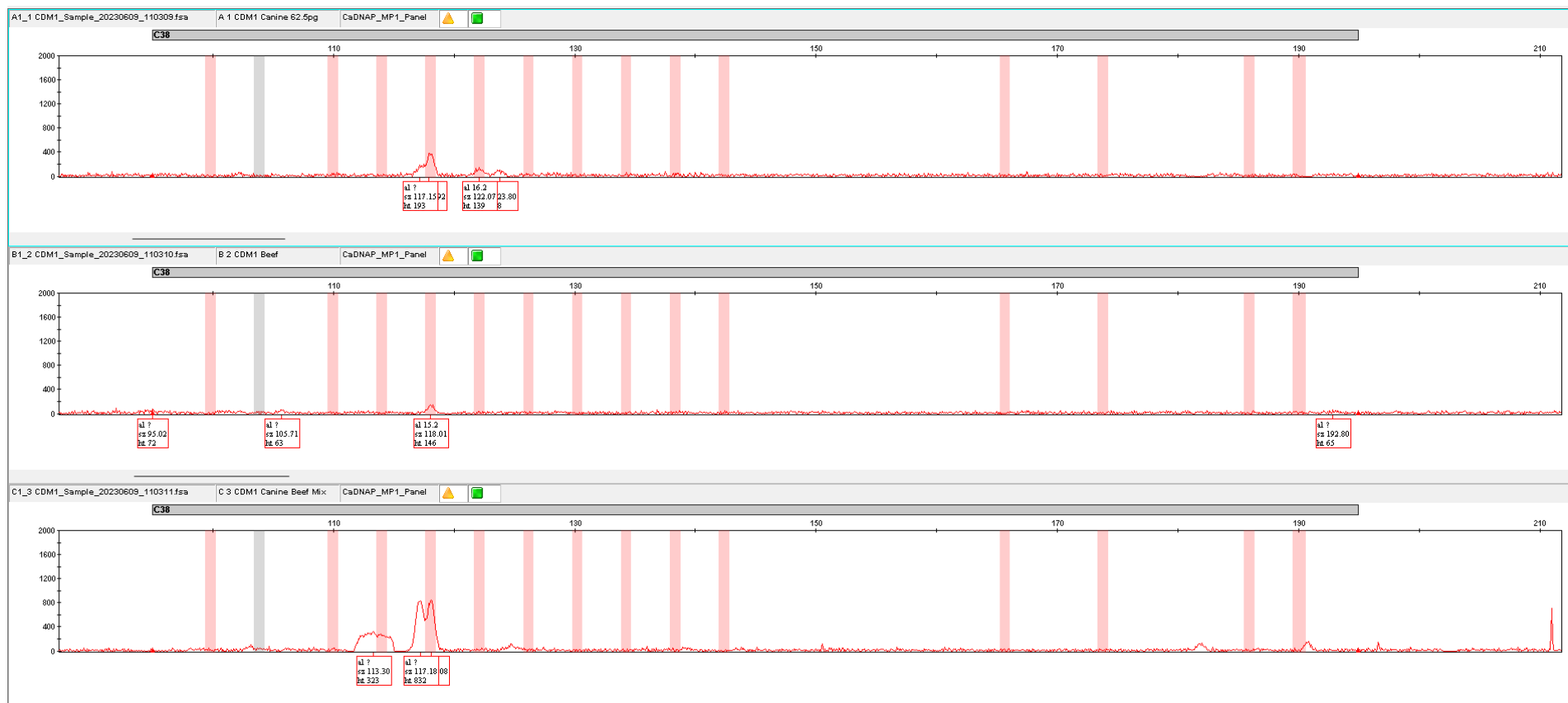


Figure 2: (Top) Single source canine DNA at 62.5pg, (Middle) single source Cattle DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Cattle (31.25ng) DNA for one locus in the red channel for CaDNAP Panel 1



Figure 3: (Top) Single source canine DNA at 62.5pg, (Middle) single source Sheep DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Sheep (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 1

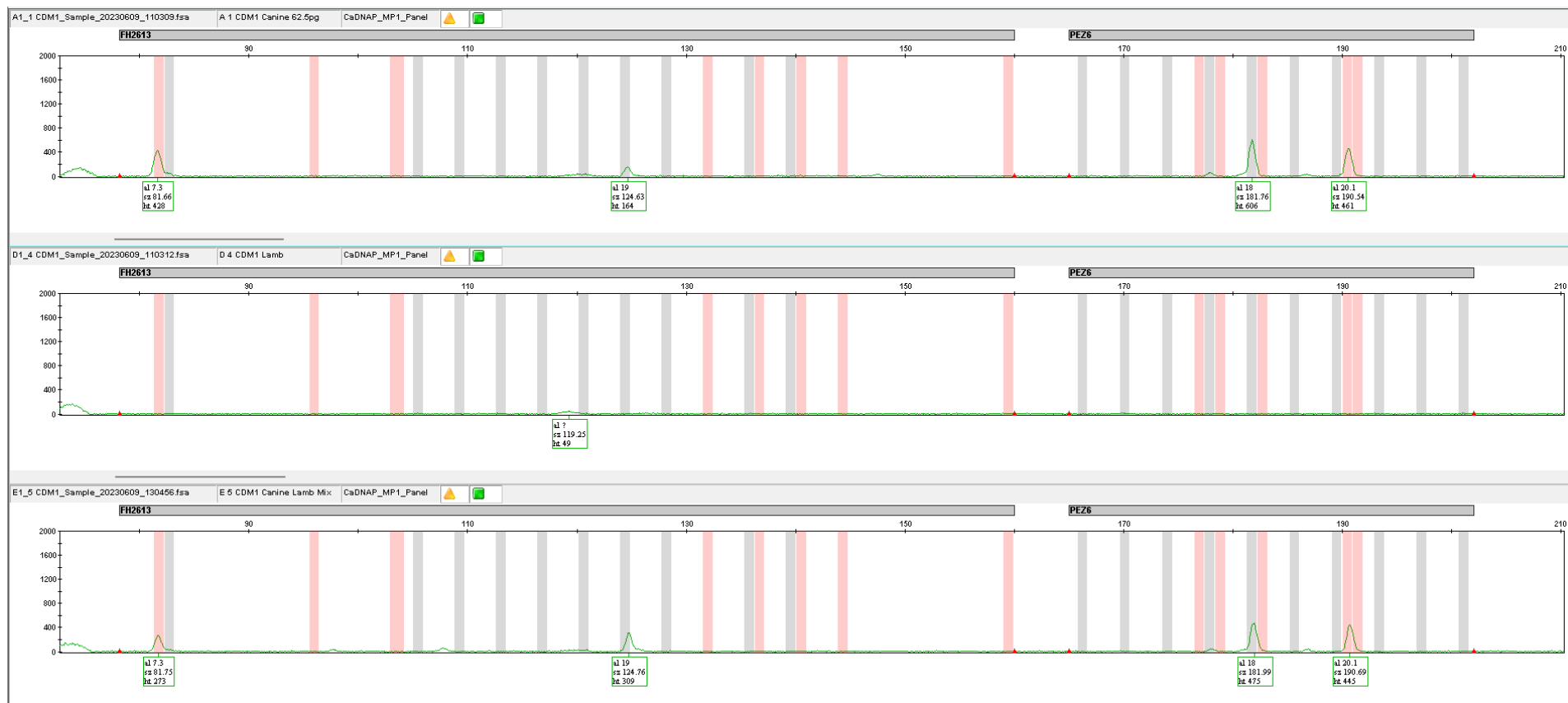


Figure 4: (Top) Single source canine DNA at 62.5pg, (Middle) single source Sheep DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Sheep (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 1

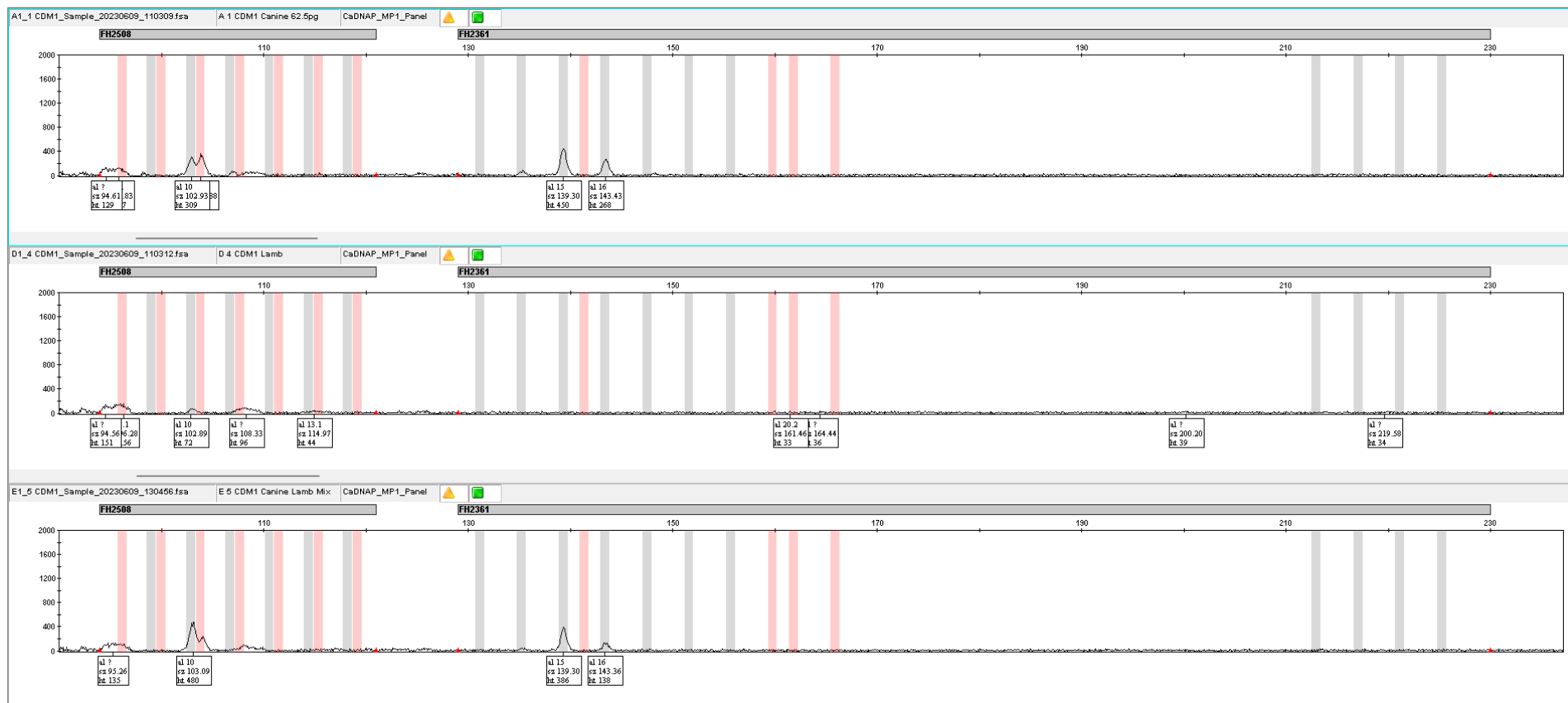


Figure 5: (Top) Single source canine DNA at 62.5pg, (Middle) single source Sheep DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Sheep (31.25ng) DNA for two loci in the Yellow channel for CaDNAP Panel 1

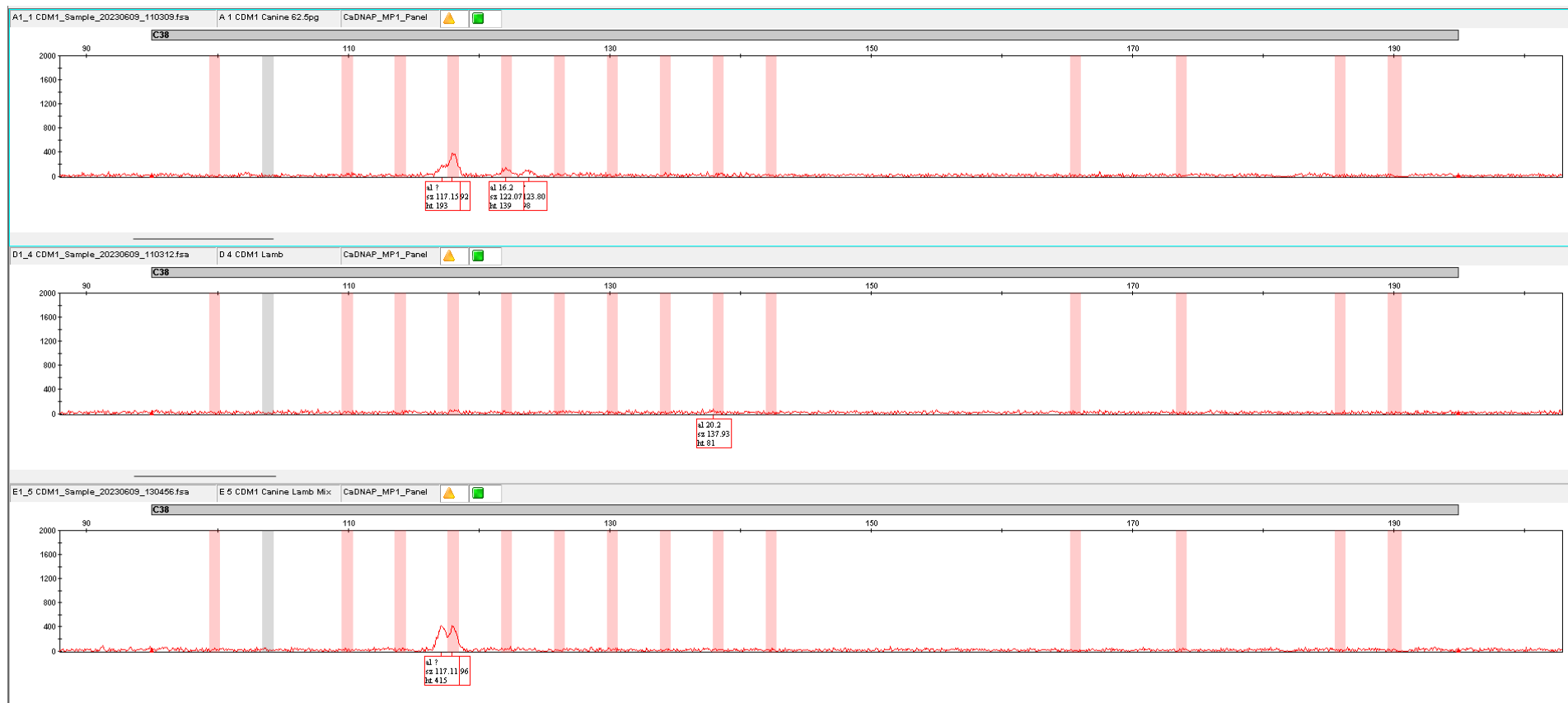


Figure 6: (Top) Single source canine DNA at 62.5pg, (Middle) single source Sheep DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Sheep (31.25ng) DNA for one locus in the red channel for CaDNAP Panel 1

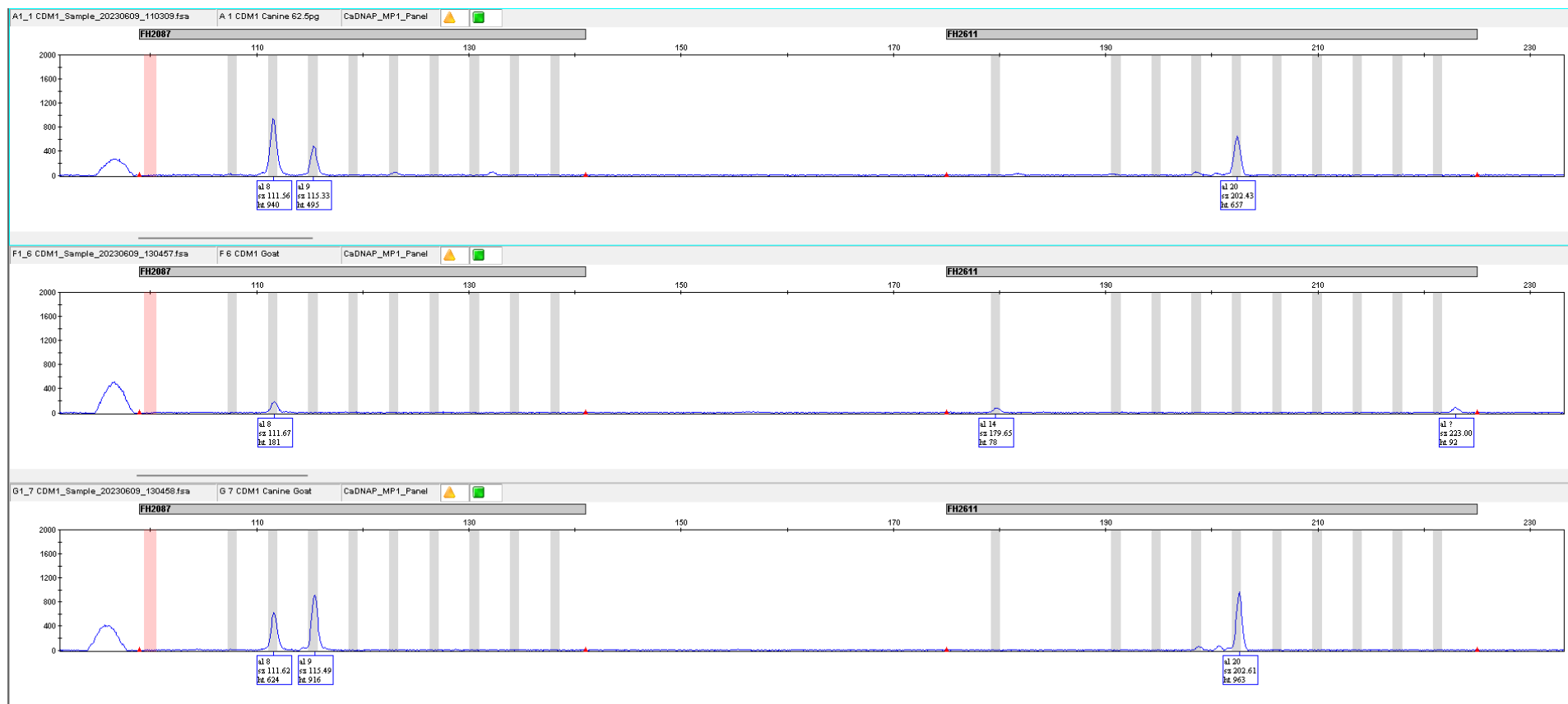


Figure 7: (Top) Single source canine DNA at 62.5pg, (Middle) single source Goat DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Goat (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 1

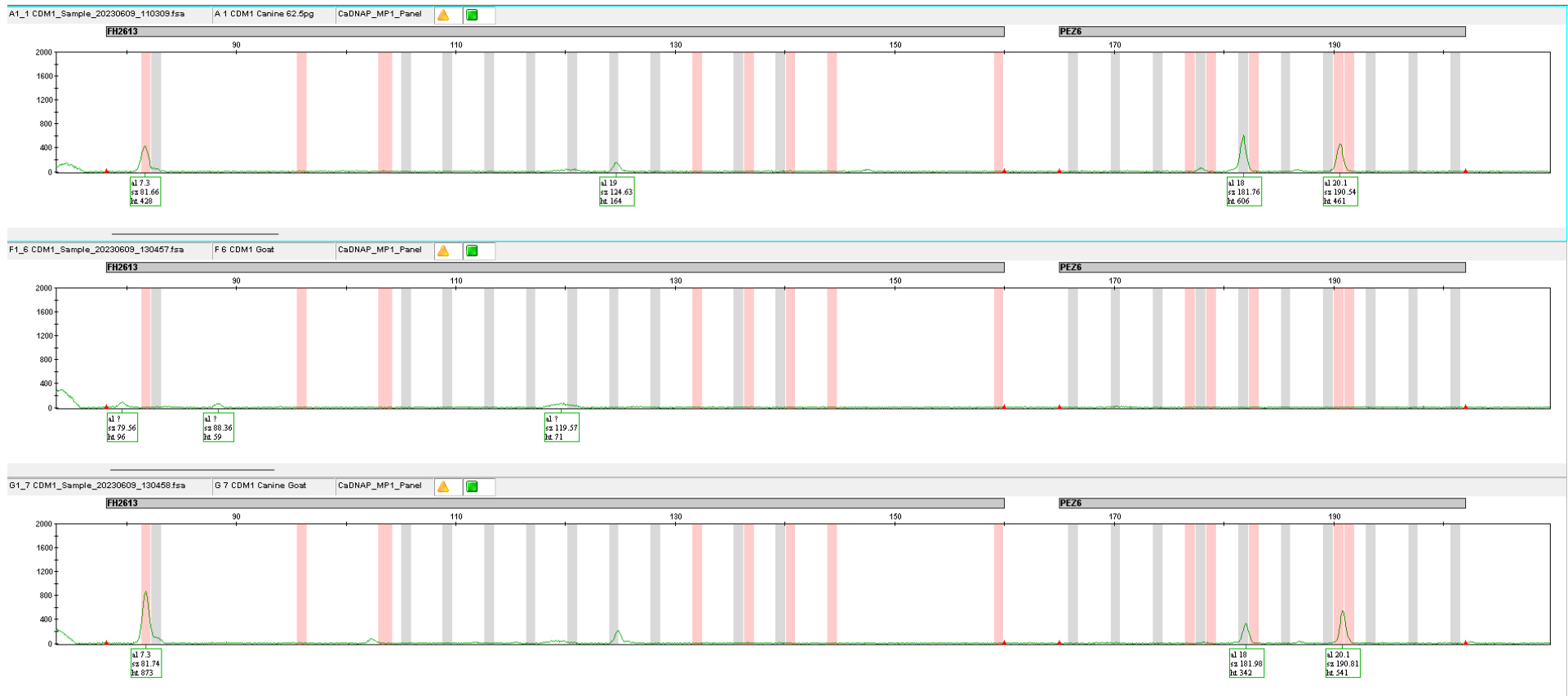


Figure 8: (Top) Single source canine DNA at 62.5pg, (Middle) single source Goat DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Goat (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 1

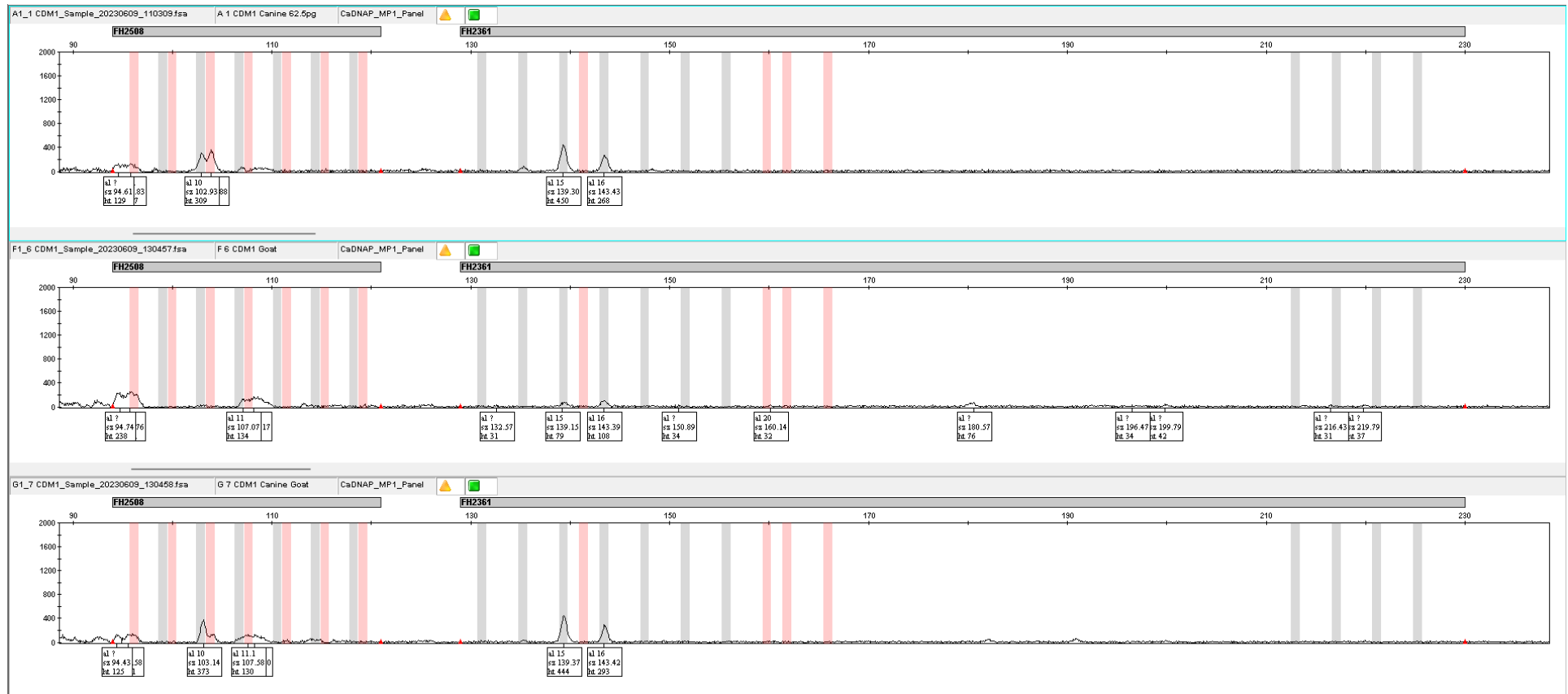


Figure 9: (Top) Single source canine DNA at 62.5pg, (Middle) single source Goat DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Goat (31.25ng) DNA for two loci in the Yellow channel for CaDNAP Panel 1

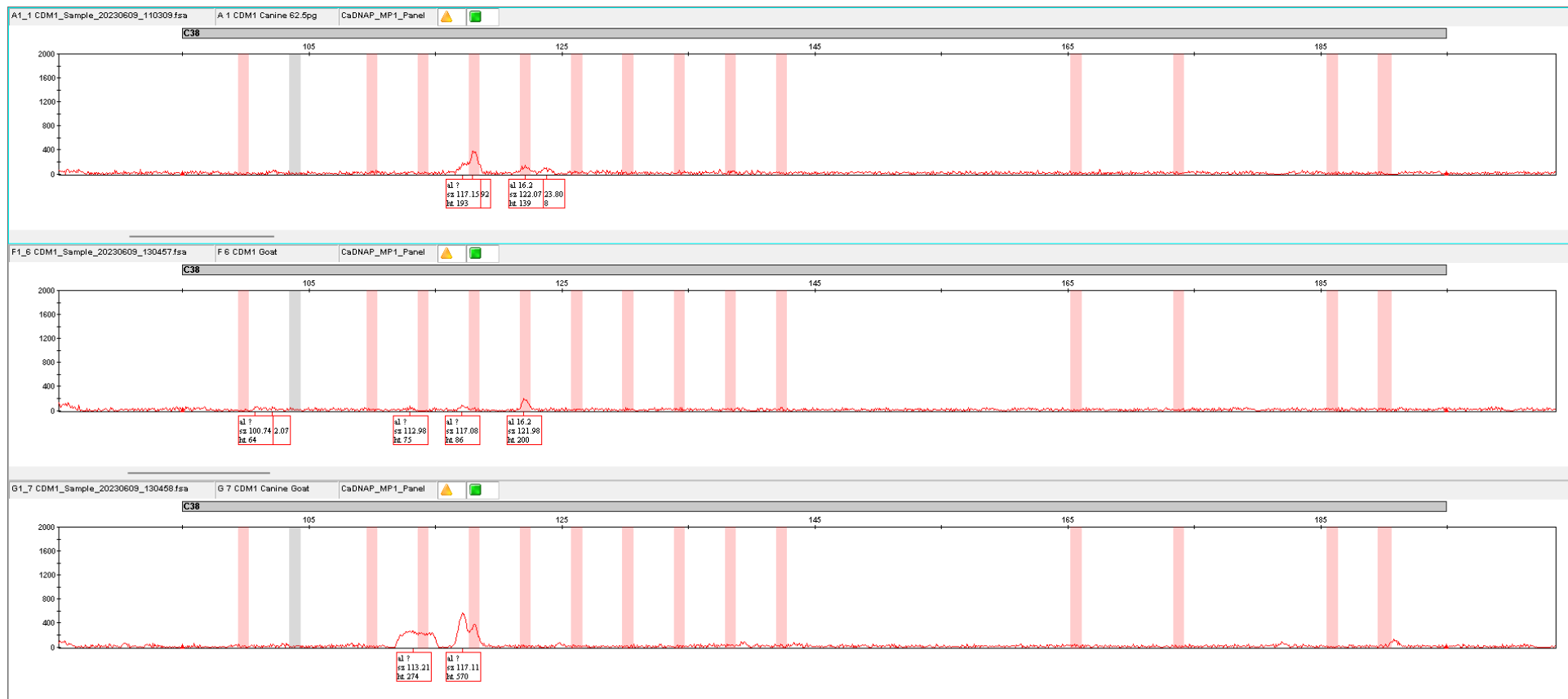


Figure 10: (Top) Single source canine DNA at 62.5pg, (Middle) single source Goat DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Goat (31.25ng) DNA for one locus in the red channel for CaDNAP Panel 1



Figure 11: (Top) Single source canine DNA at 62.5pg, (Middle) single source Pork DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Pork (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 1

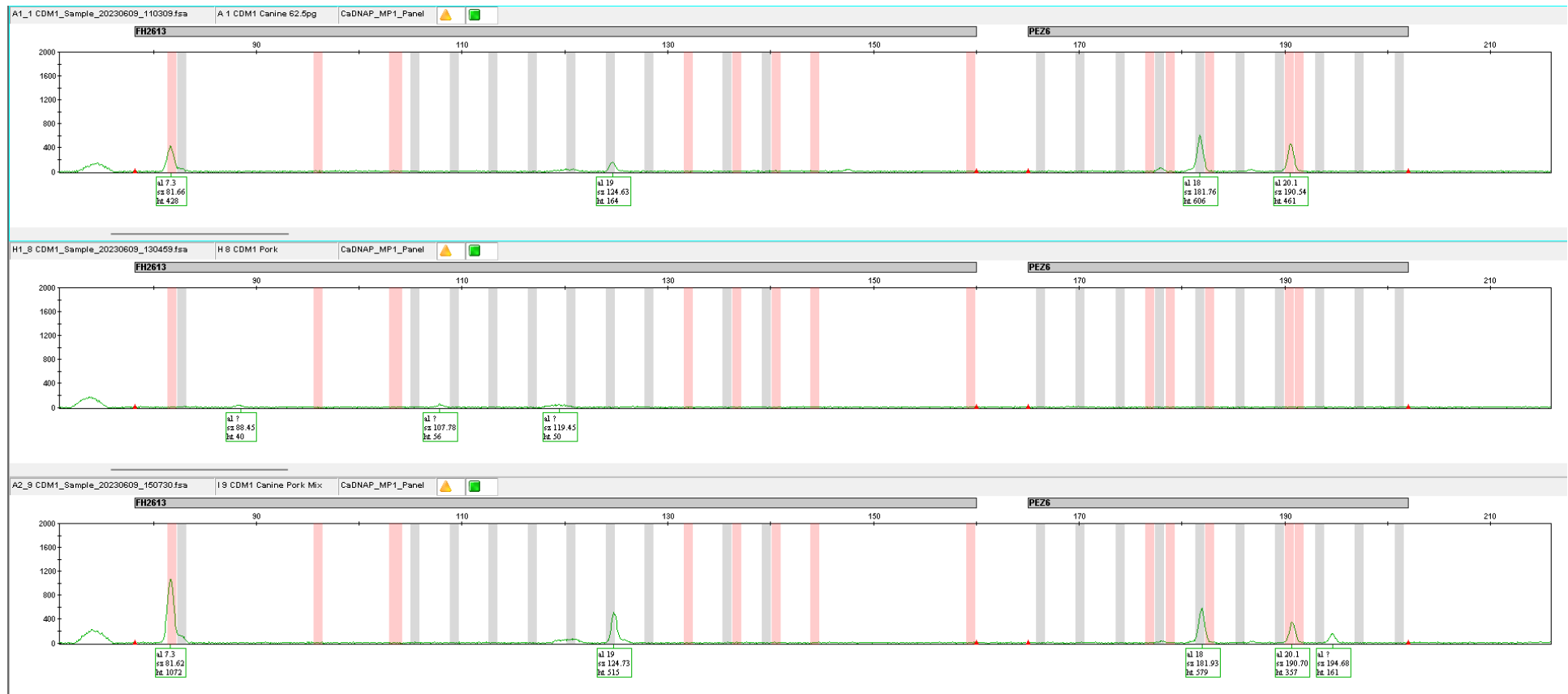


Figure 12: (Top) Single source canine DNA at 62.5pg, (Middle) single source Pork DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Pork (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 1

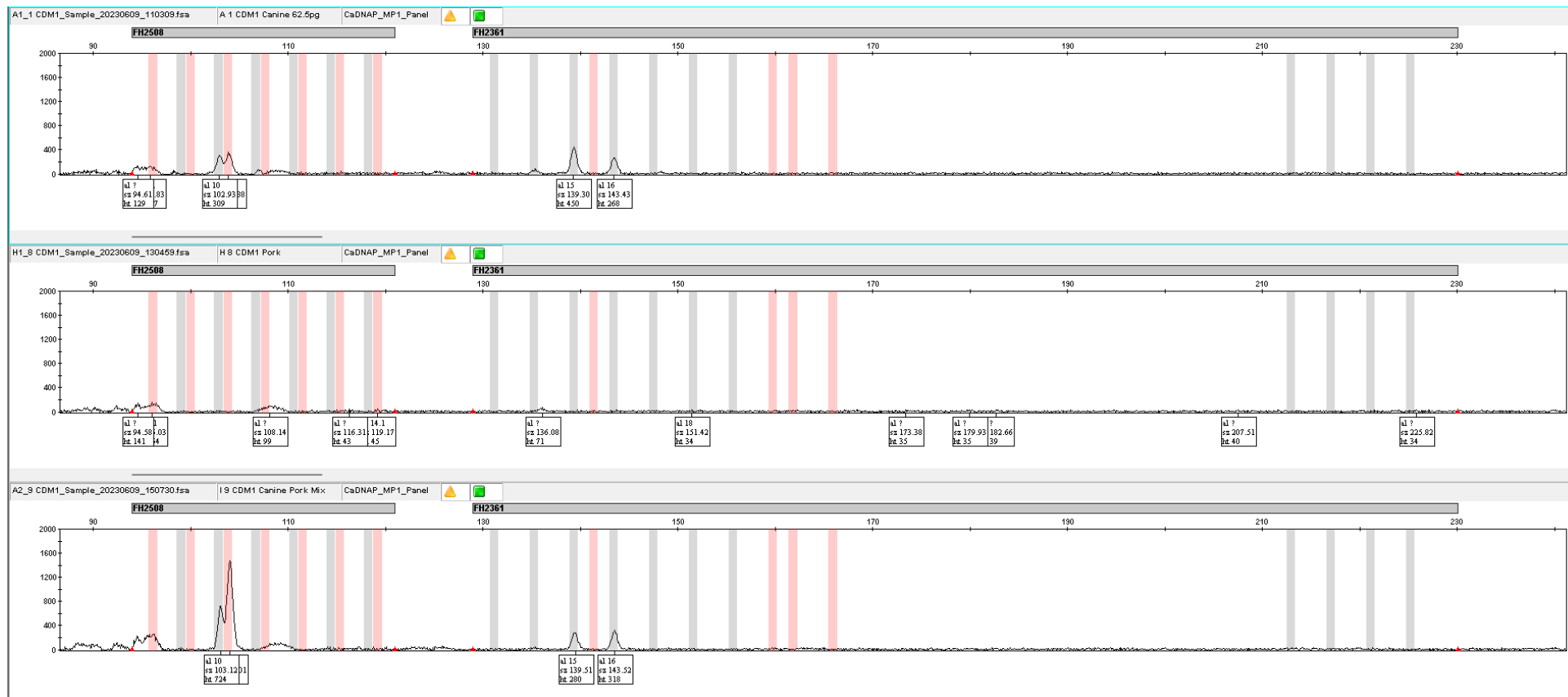


Figure 13: (Top) Single source canine DNA at 62.5pg, (Middle) single source Pork DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Pork (31.25ng) DNA for two loci in the yellow channel for CaDNAP Panel 1

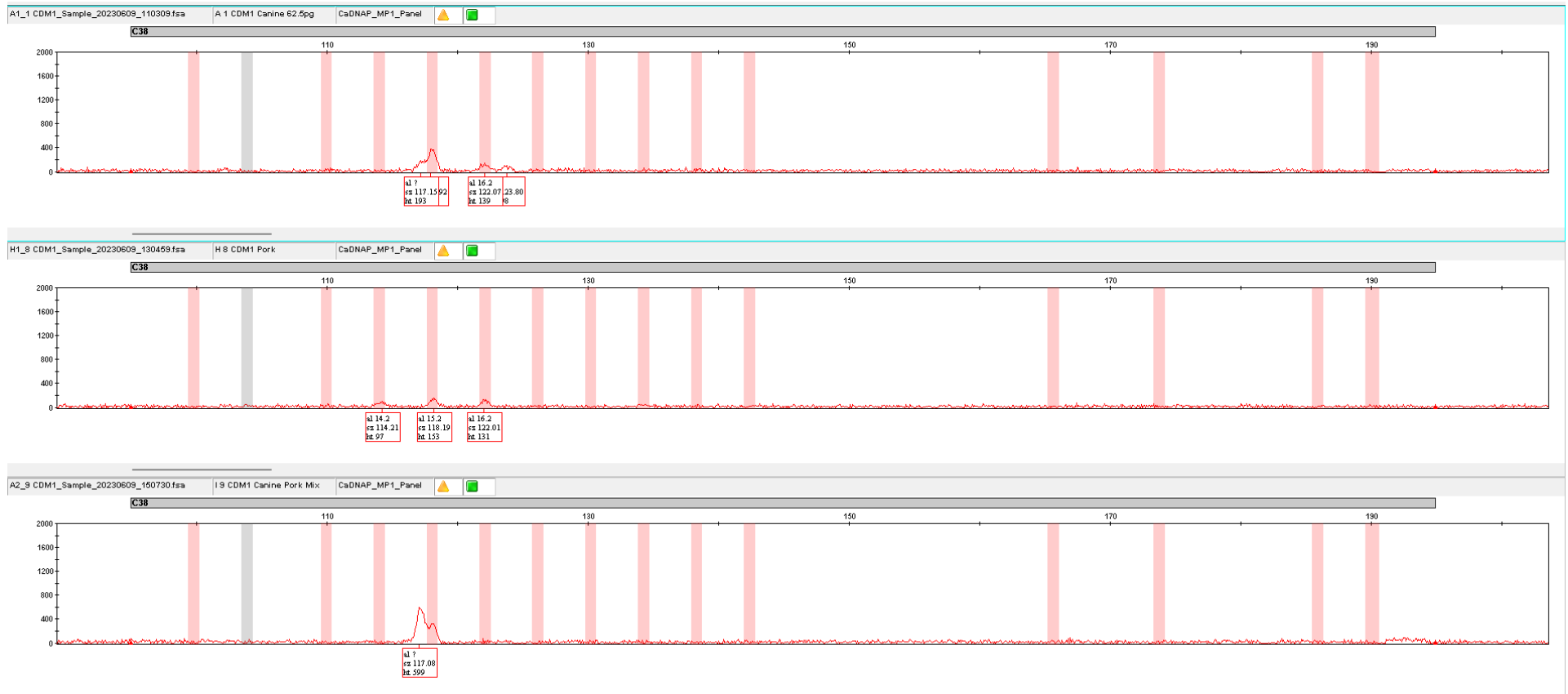


Figure 14: (Top) Single source canine DNA at 62.5pg, (Middle) single source Pork DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Pork (31.25ng) DNA for one locus in the red channel for CaDNAP Panel 1



Figure 15: (Top) Single source canine DNA at 62.5pg, (Middle) single source Chicken DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Chicken (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 1

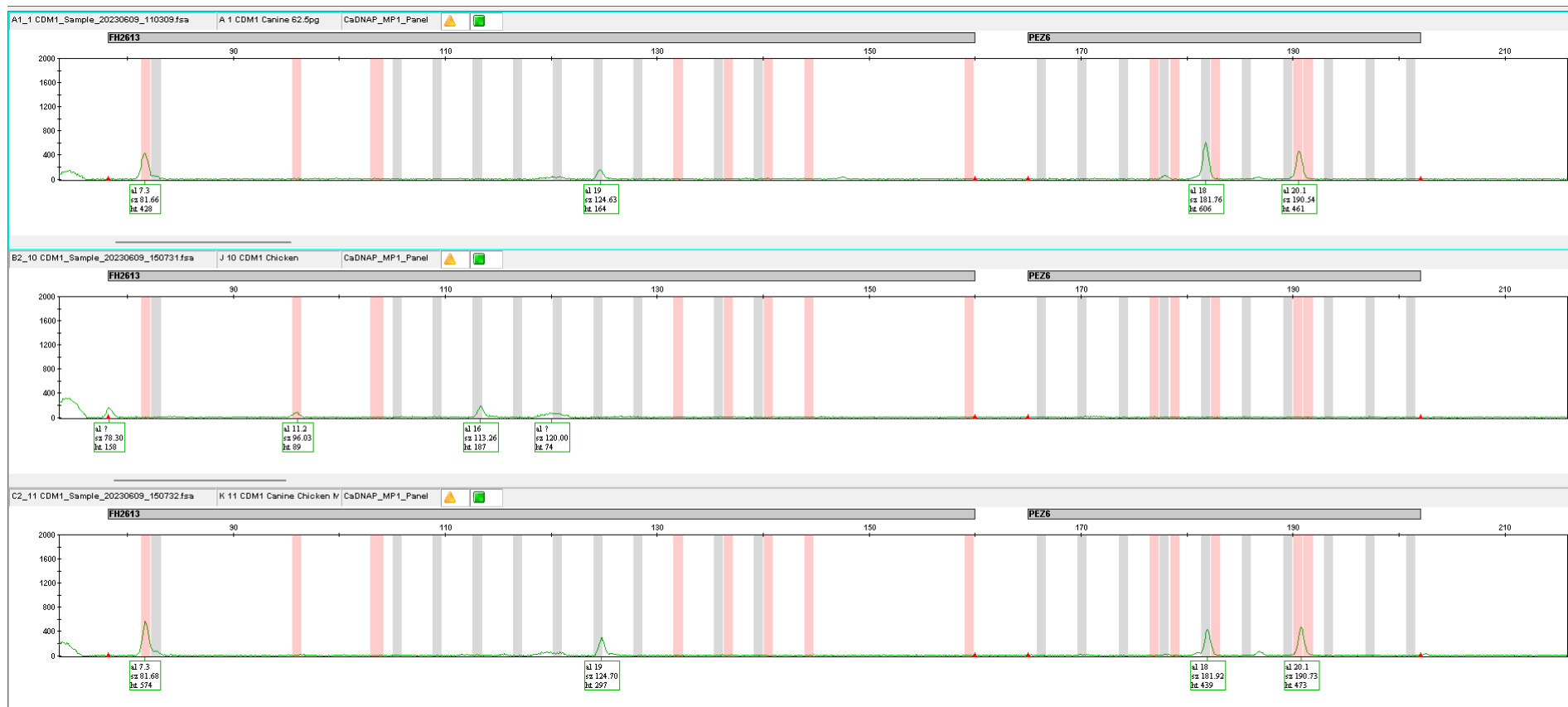


Figure 16: (Top) Single source canine DNA at 62.5pg, (Middle) single source Chicken DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Chicken (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 1

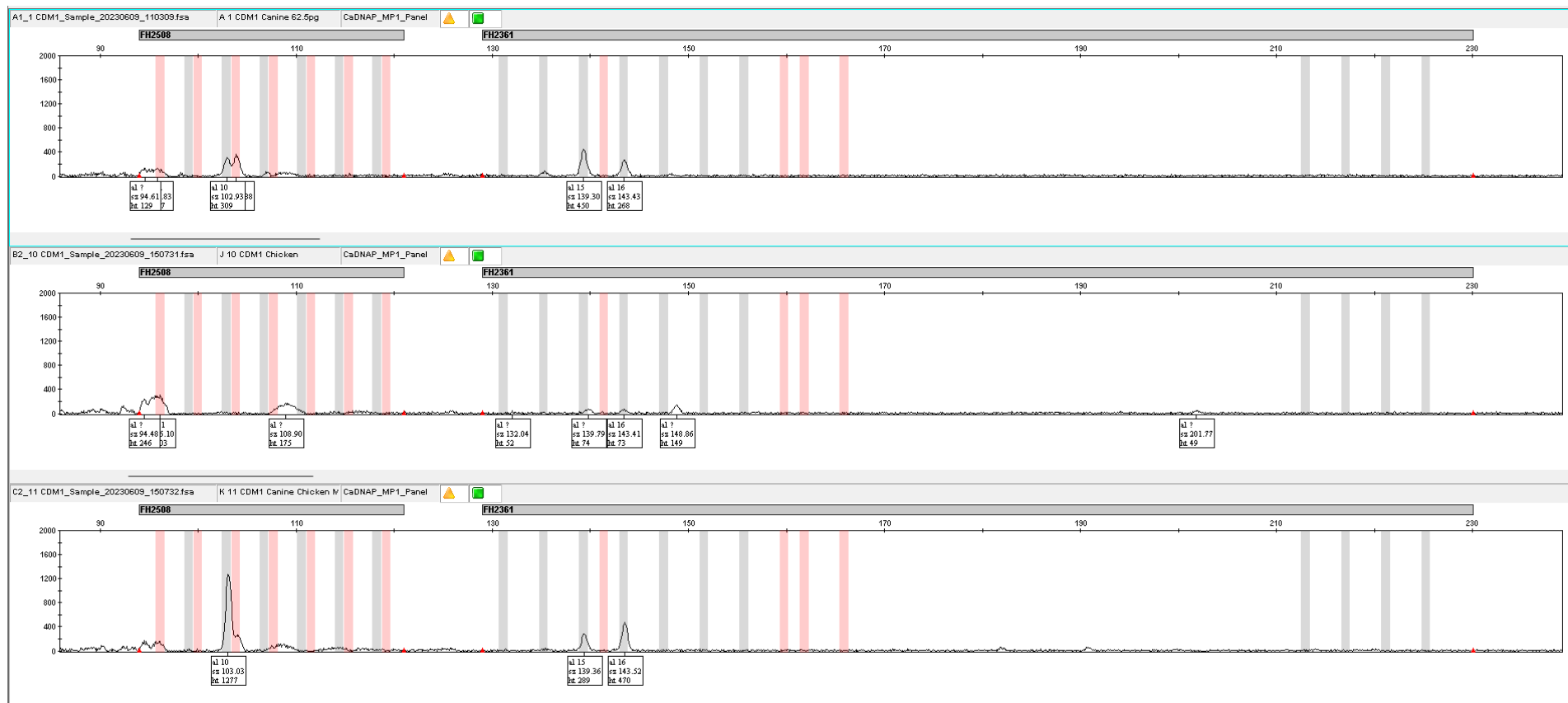


Figure 17: (Top) Single source canine DNA at 62.5pg, (Middle) single source Chicken DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Chicken (31.25ng) DNA for two loci in the yellow channel for CaDNAP Panel 1

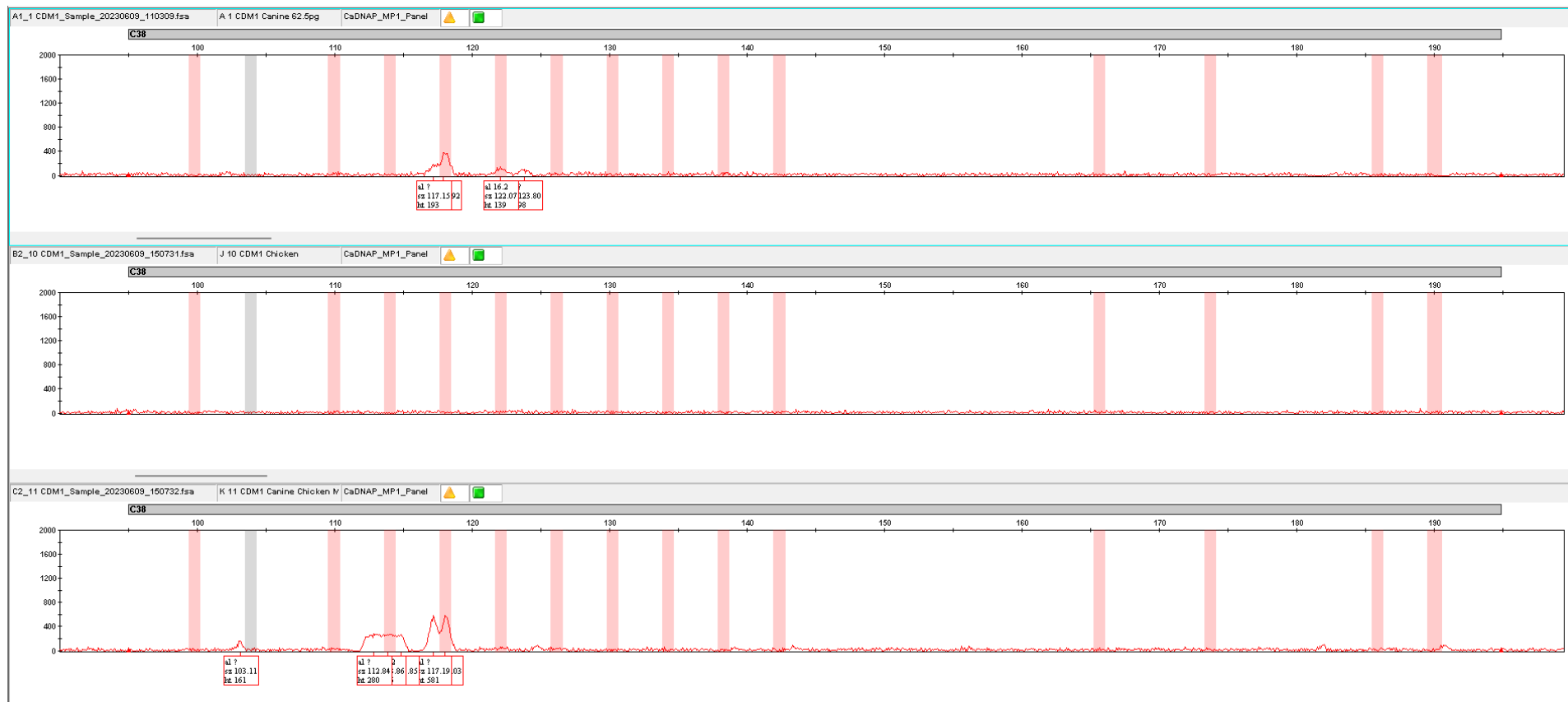


Figure 18: (Top) Single source canine DNA at 62.5pg, (Middle) single source Chicken DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Chicken (31.25ng) DNA for one locus in the red channel for CaDNAP Panel 1



Figure 19: (Top) Single source canine DNA at 62.5pg, (Middle) single source Turkey DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Turkey (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 1

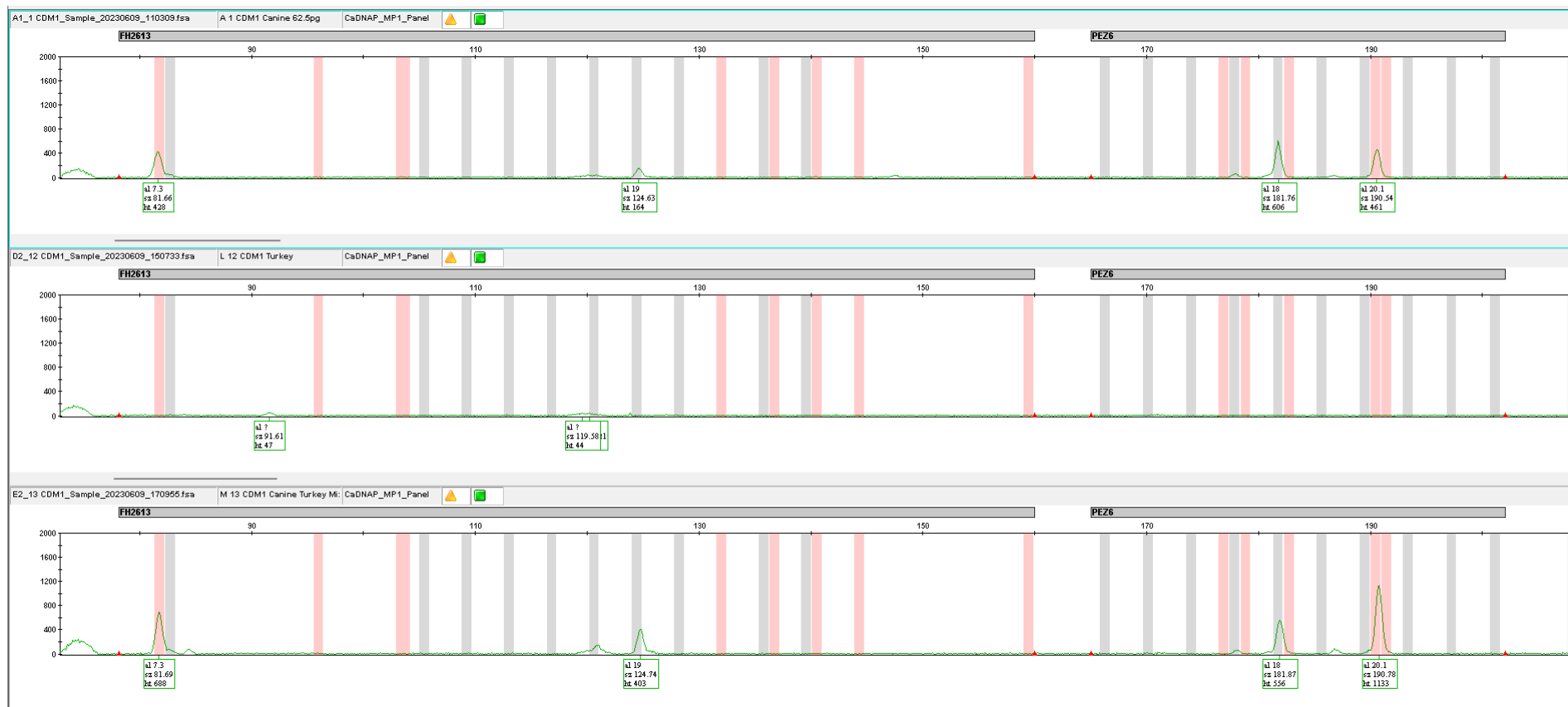


Figure 20: (Top) Single source canine DNA at 62.5pg, (Middle) single source Turkey DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Turkey (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 1

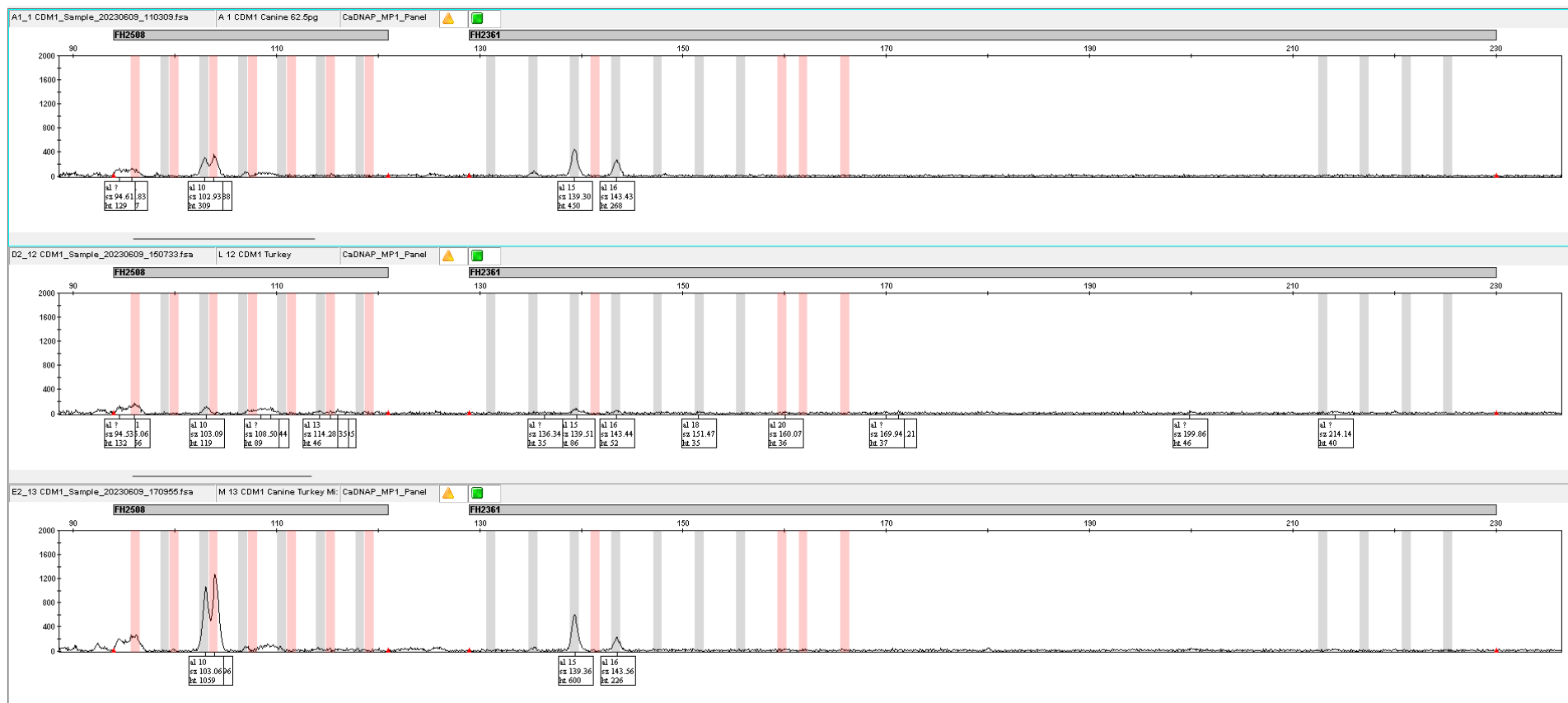


Figure 21: (Top) Single source canine DNA at 62.5pg, (Middle) single source Turkey DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Turkey (31.25ng) DNA for two loci in the yellow channel for CaDNAP Panel 1

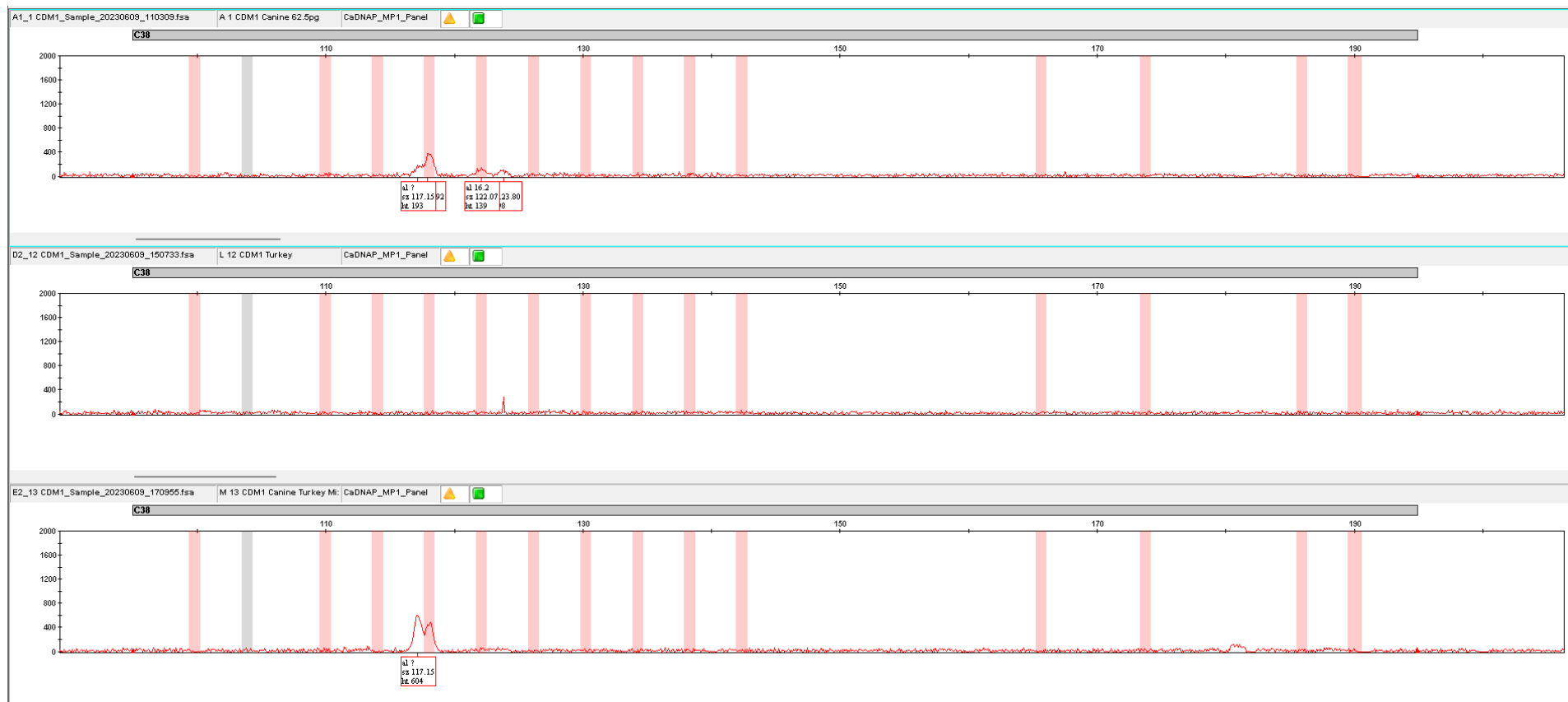


Figure 22: (Top) Single source canine DNA at 62.5pg, (Middle) single source Turkey DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Turkey (31.25ng) DNA for one locus in the red channel for CaDNAP Panel 1

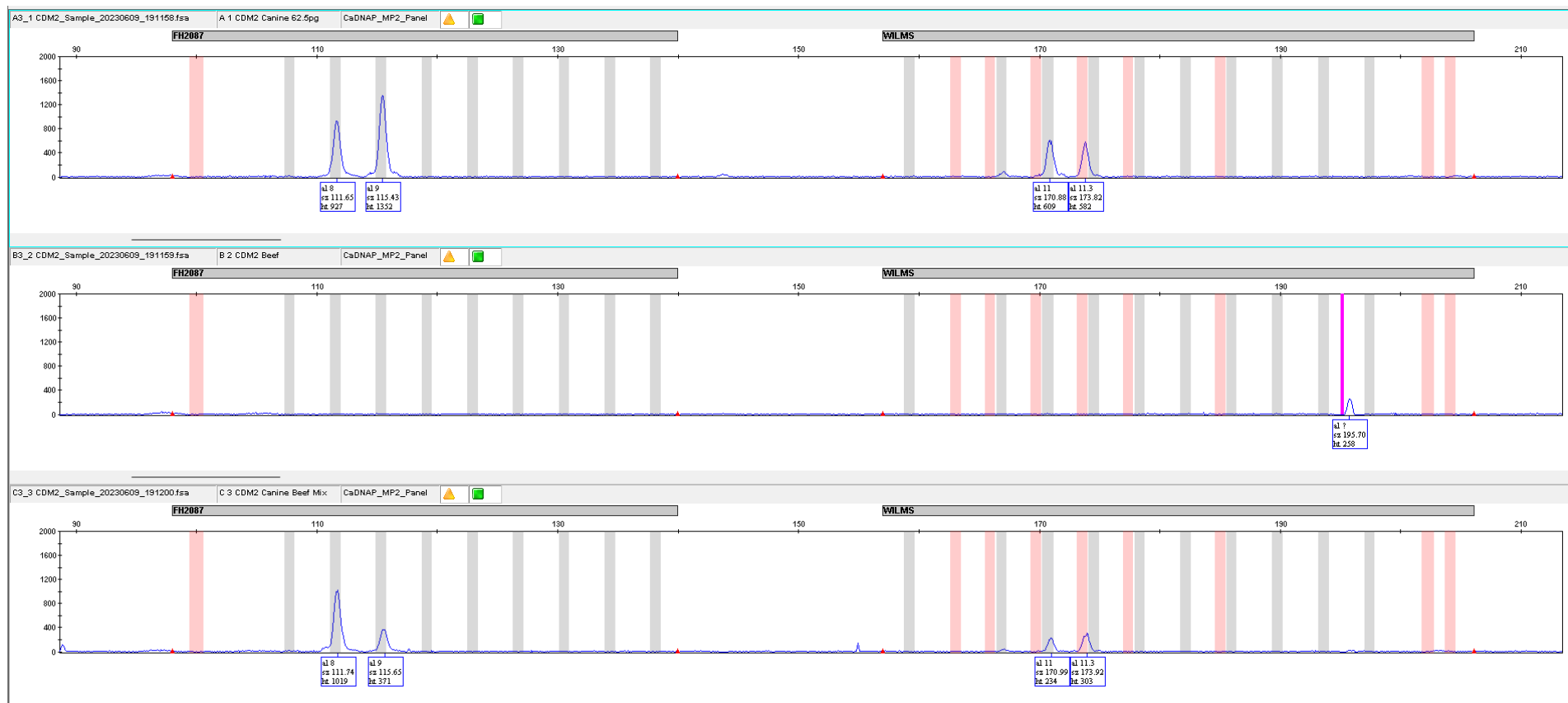


Figure 23: (Top) Single source canine DNA at 62.5pg, (Middle) single source Cattle DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Cattle (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 2

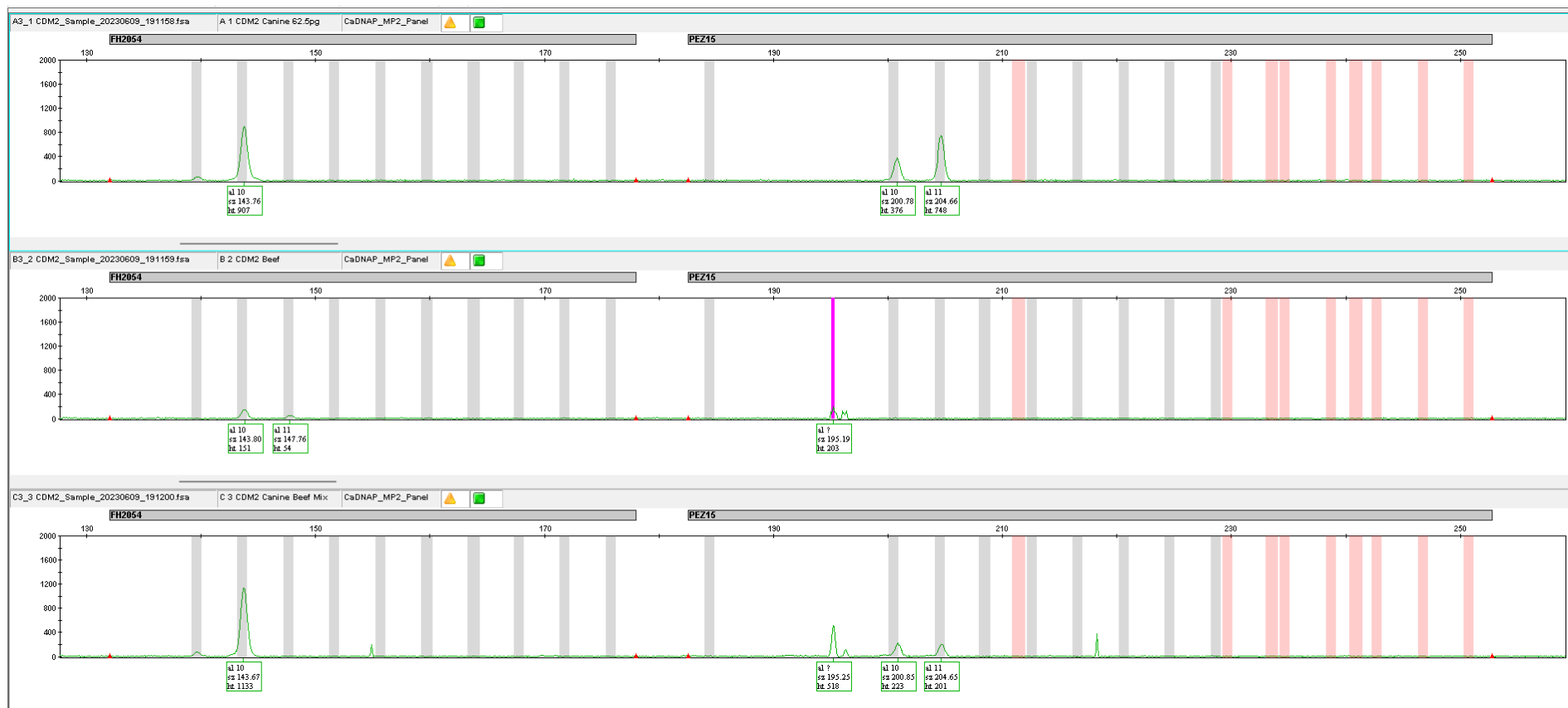


Figure 24: (Top) Single source canine DNA at 62.5pg, (Middle) single source Cattle DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Cattle (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 2

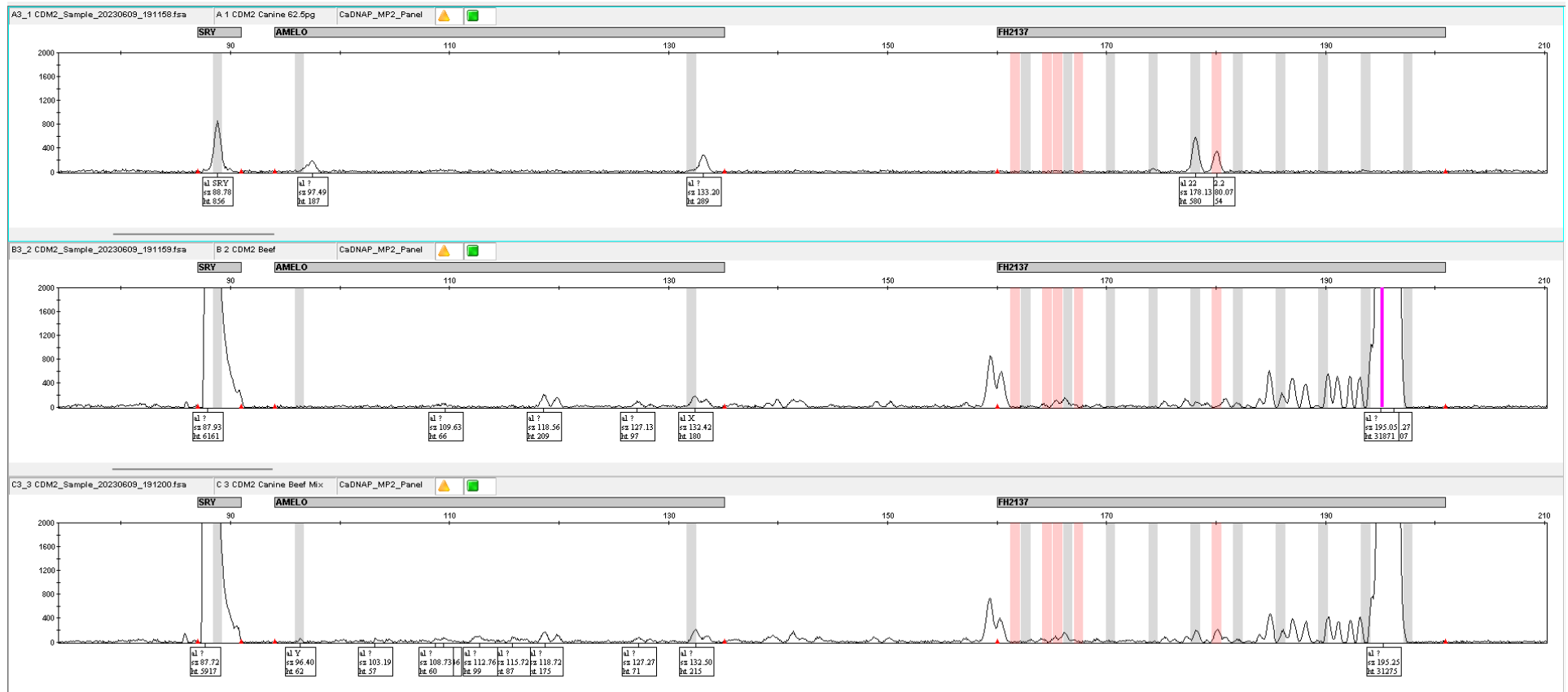


Figure 25: (Top) Single source canine DNA at 62.5pg, (Middle) single source Cattle DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Cattle (31.25ng) DNA for three loci in the yellow channel for CaDNAP Panel 2

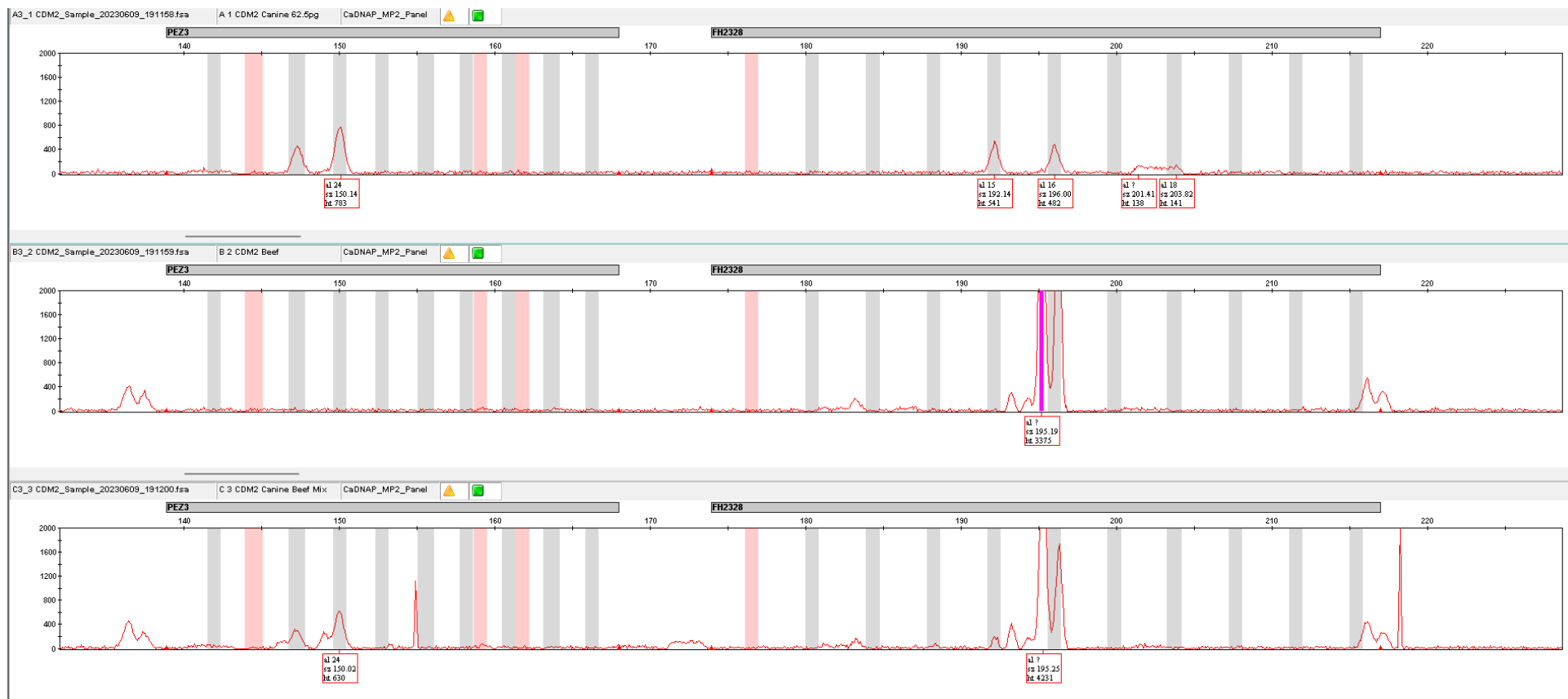


Figure 26: (Top) Single source canine DNA at 62.5pg, (Middle) single source Cattle DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Cattle (31.25ng) DNA for two loci in the red channel for CaDNAP Panel 2

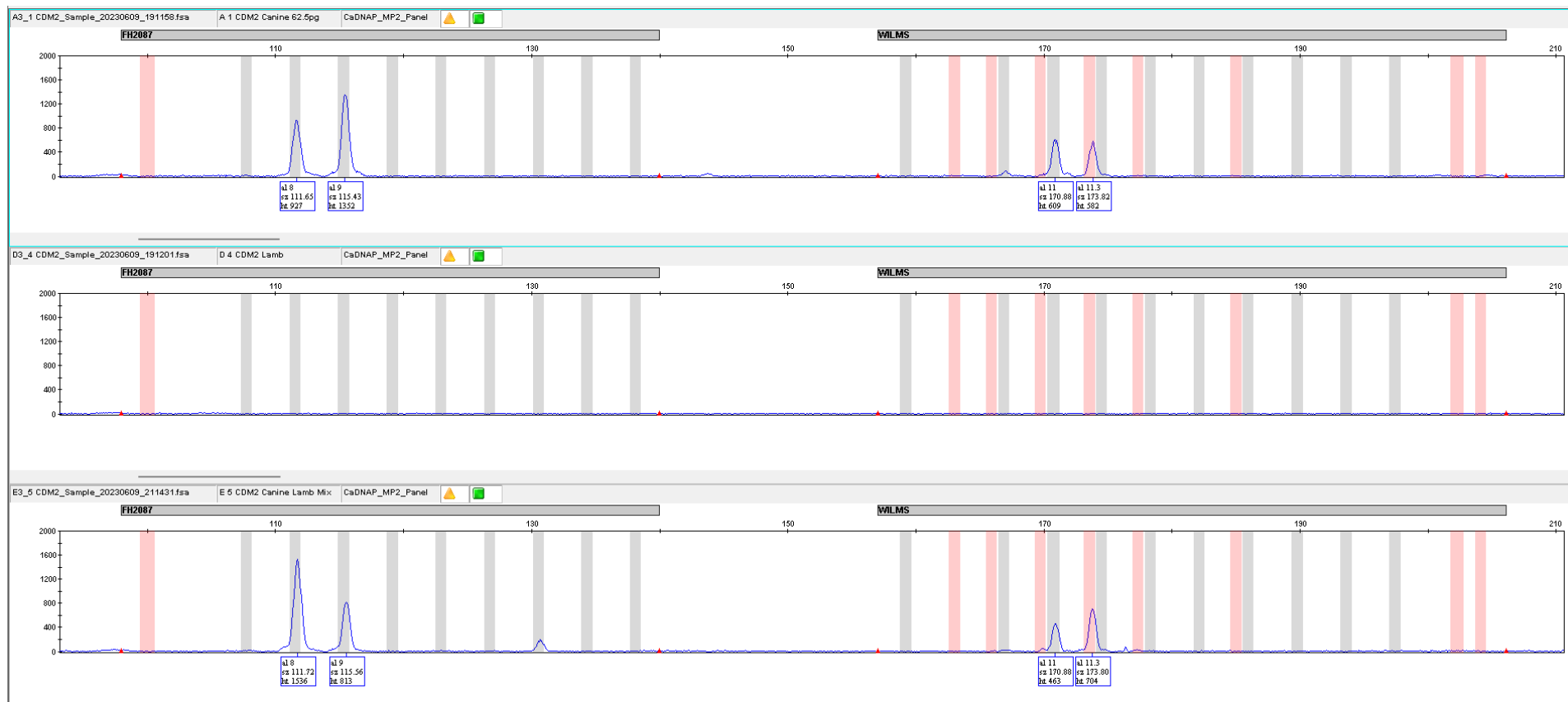


Figure 27: (Top) Single source canine DNA at 62.5pg, (Middle) single source Sheep DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Sheep (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 2

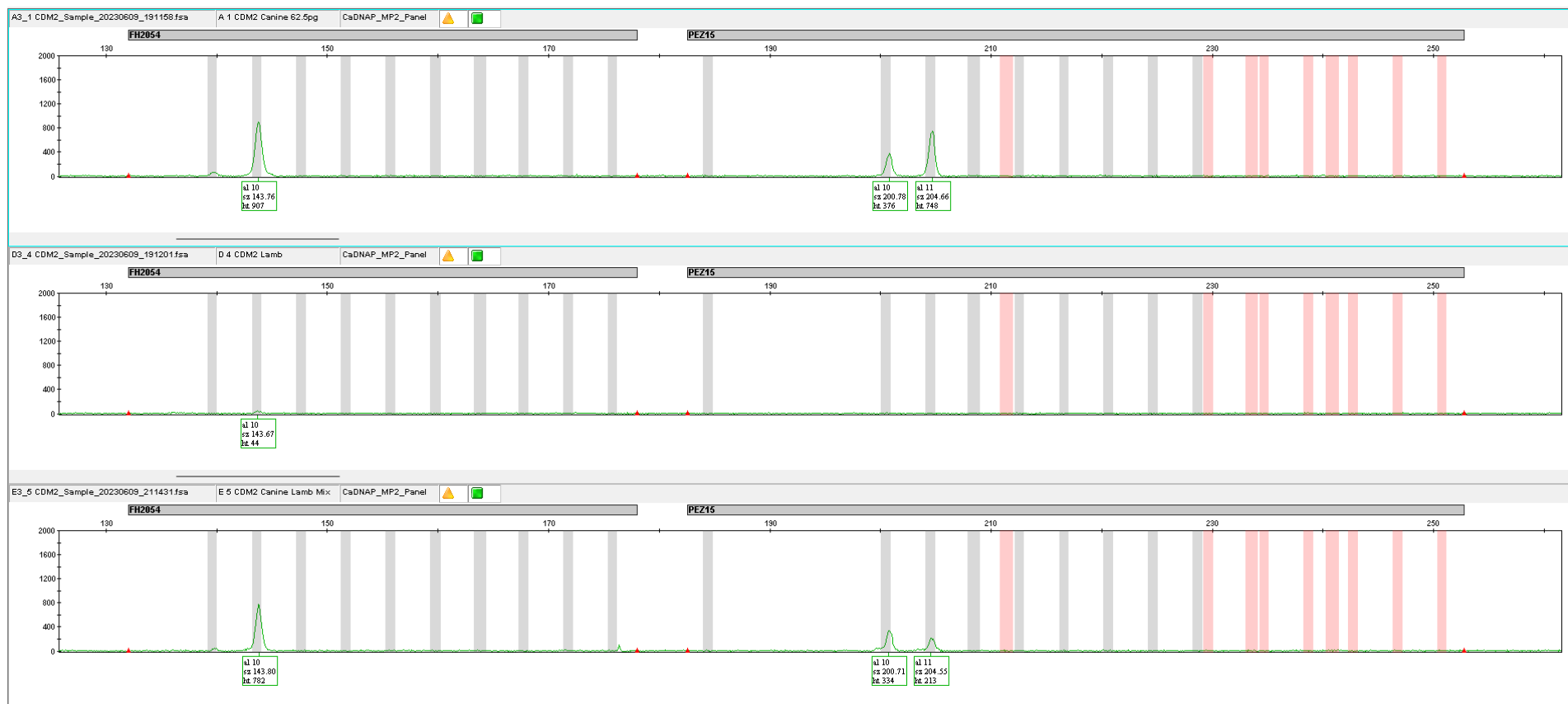


Figure 28: (Top) Single source canine DNA at 62.5pg, (Middle) single source Sheep DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Sheep (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 2

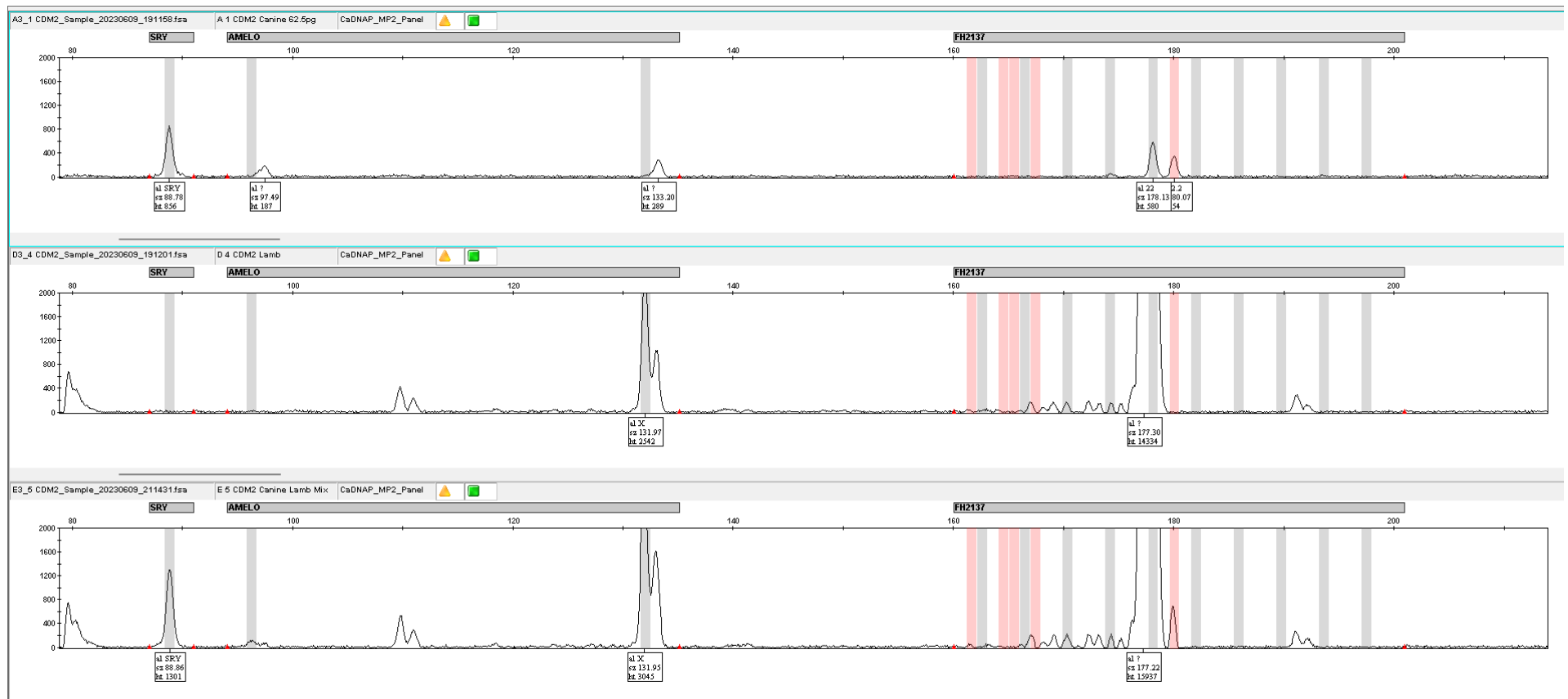


Figure 29: (Top) Single source canine DNA at 62.5pg, (Middle) single source Sheep DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Sheep (31.25ng) DNA for three loci in the yellow channel for CaDNAP Panel 2

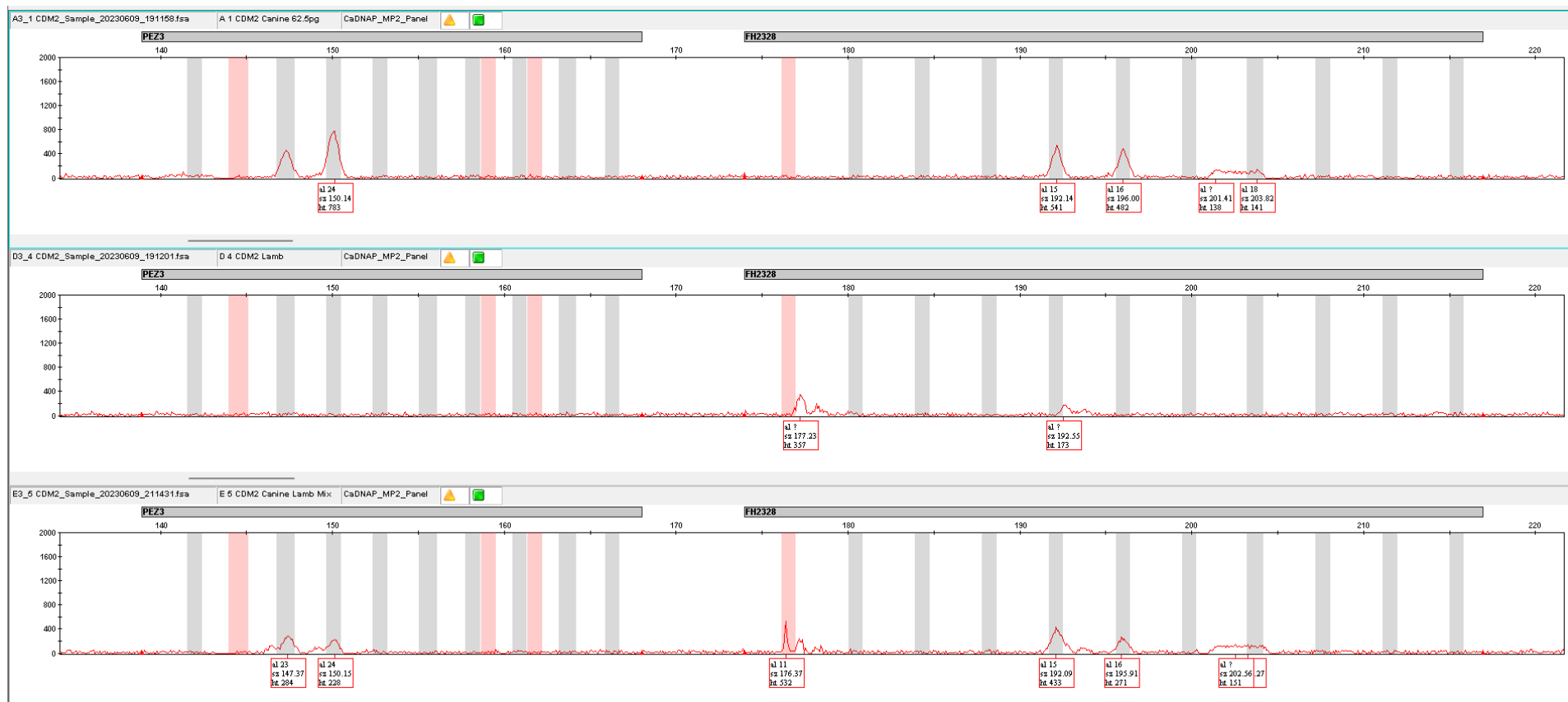


Figure 30: (Top) Single source canine DNA at 62.5pg, (Middle) single source Sheep DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Sheep (31.25ng) DNA for two loci in the red channel for CaDNAP Panel 2

Goat:

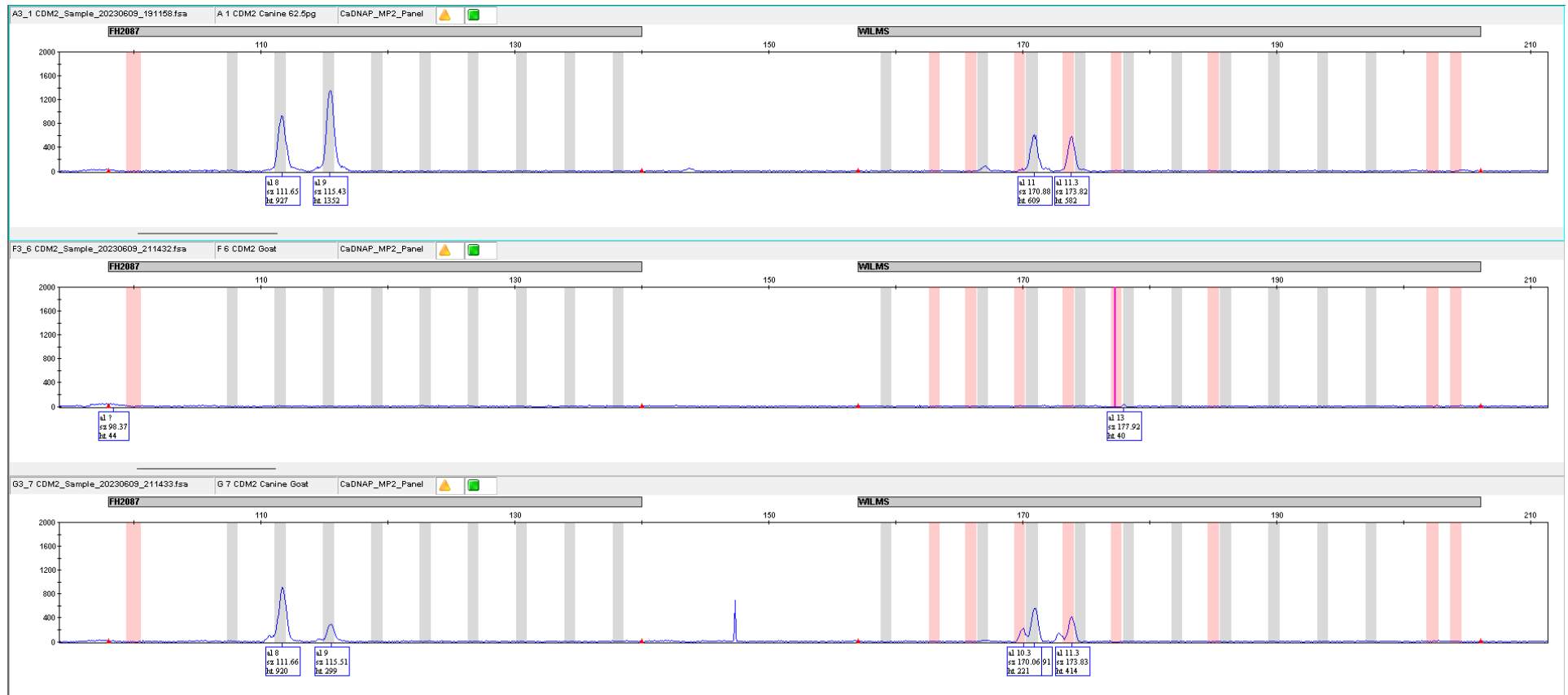


Figure 31: (Top) Single source canine DNA at 62.5pg, (Middle) single source Goat DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Goat (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 2

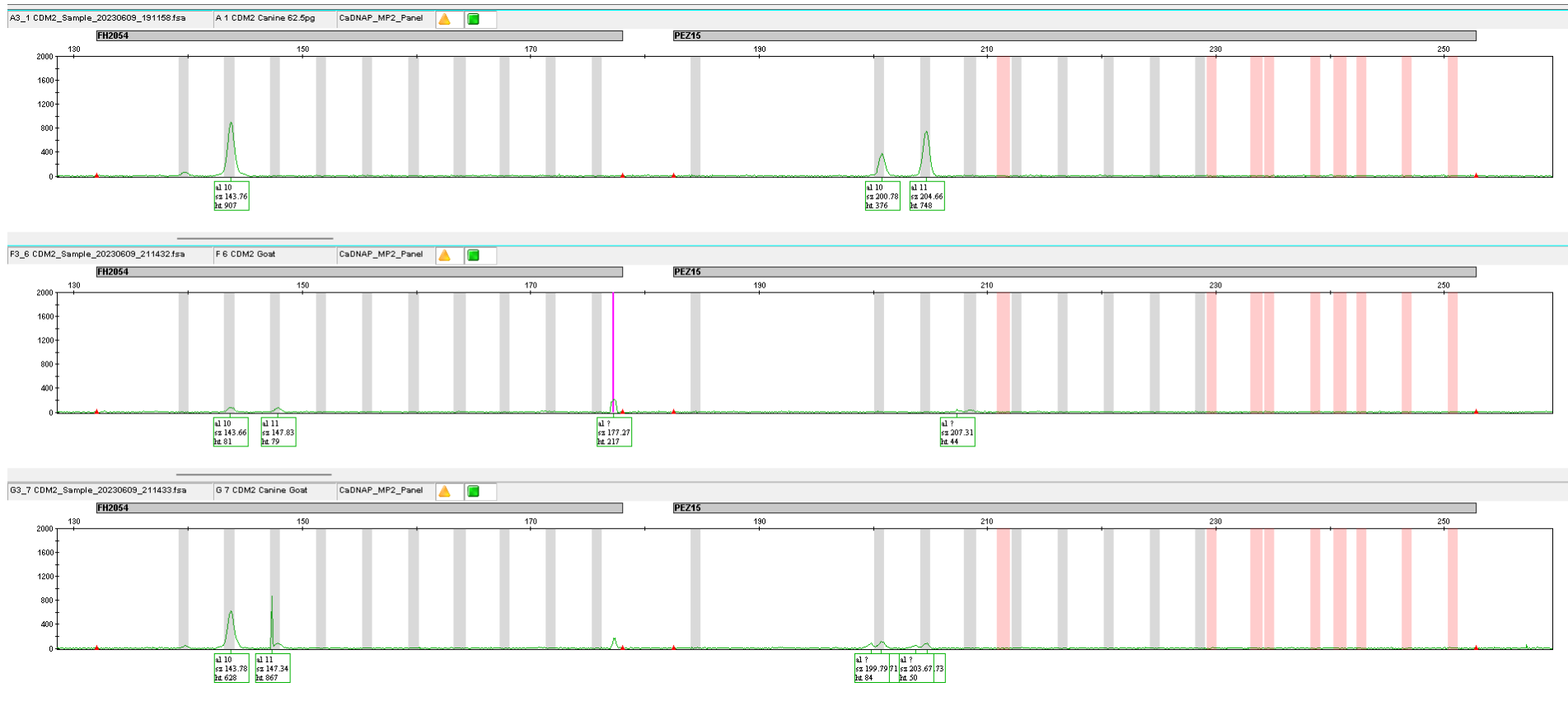


Figure 32: (Top) Single source canine DNA at 62.5pg, (Middle) single source Goat DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Goat (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 2

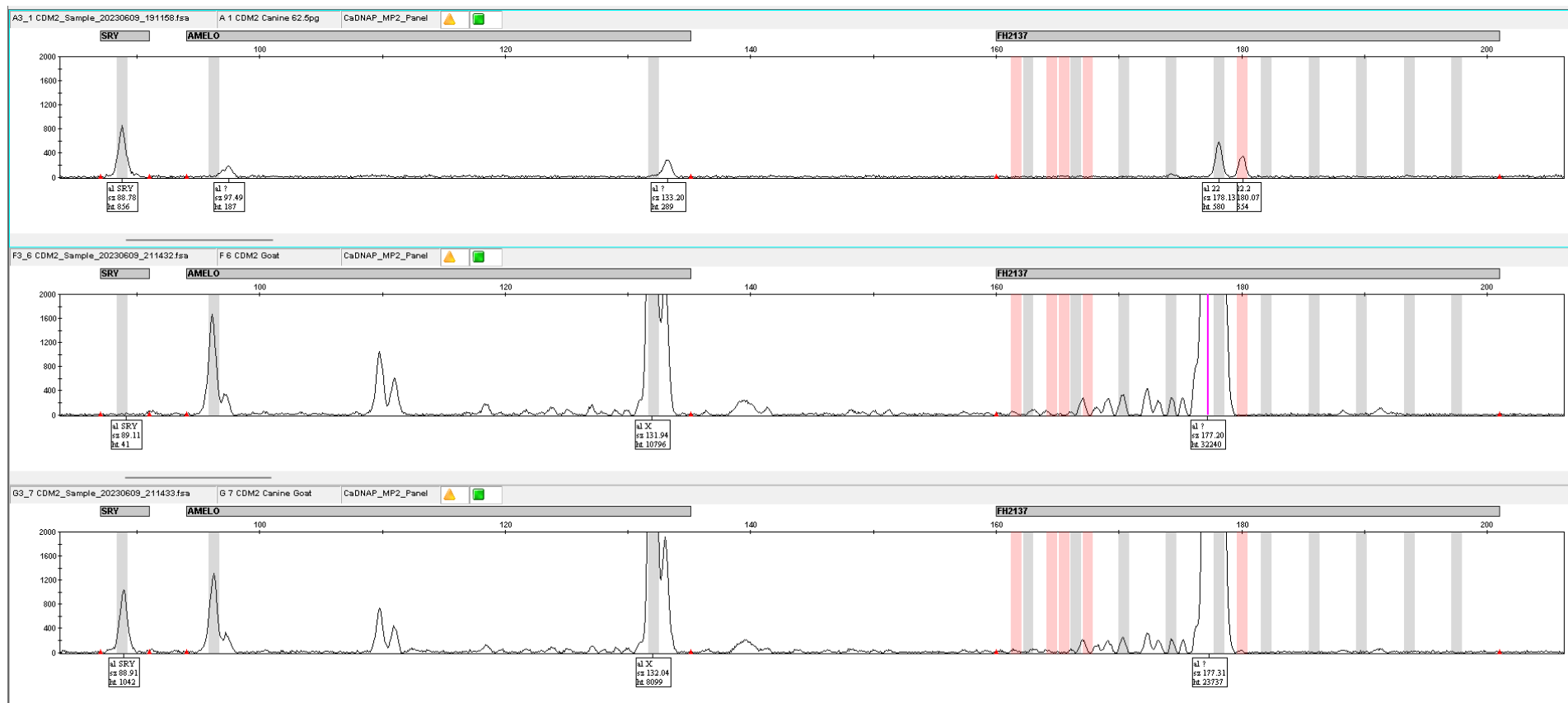


Figure 33: (Top) Single source canine DNA at 62.5pg, (Middle) single source Goat DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Goat (31.25ng) DNA for three loci in the yellow channel for CaDNAP Panel 2

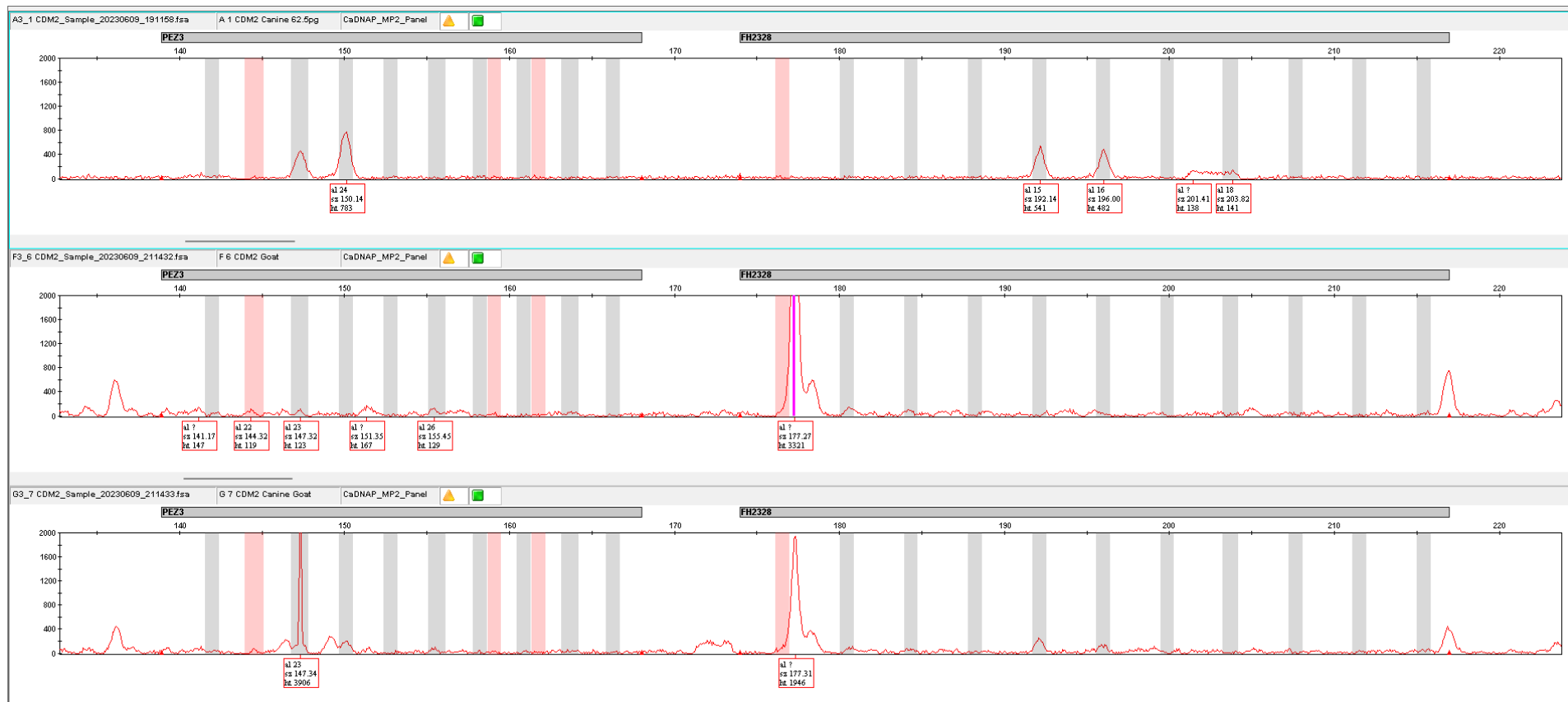


Figure 34: (Top) Single source canine DNA at 62.5pg, (Middle) single source Goat DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Goat (31.25ng) DNA for two loci in the red channel for CaDNAP Panel 2

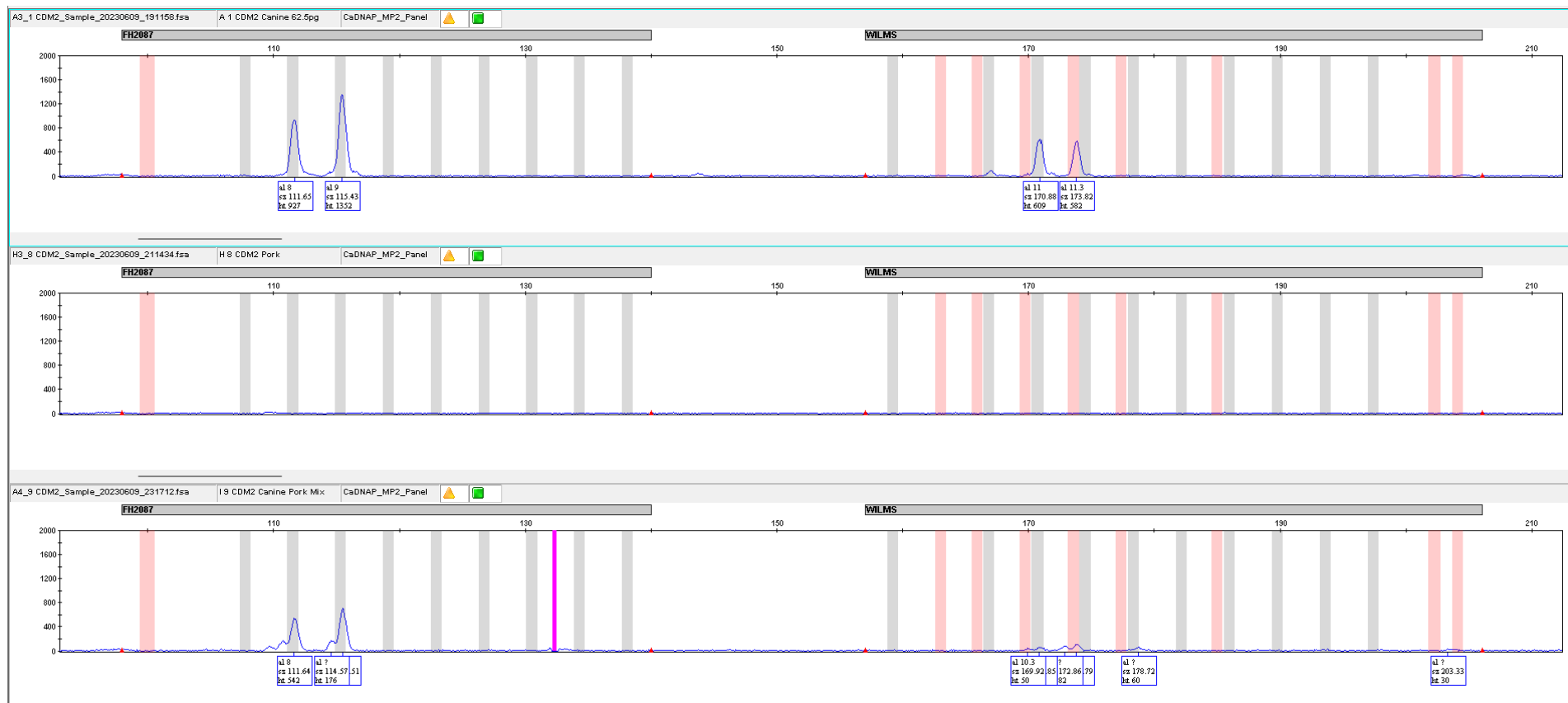


Figure 35: (Top) Single source canine DNA at 62.5pg, (Middle) single source Pork DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Pork (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 2

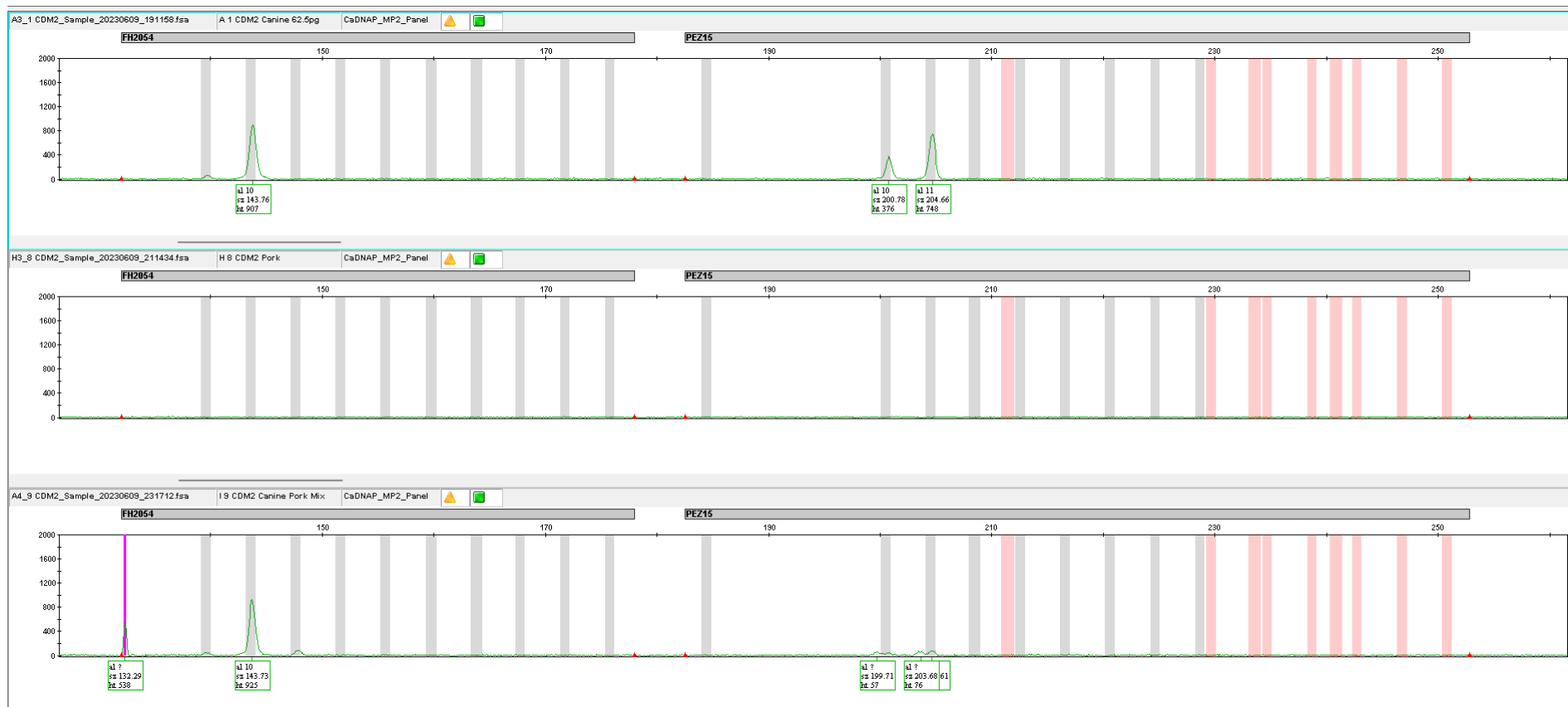


Figure 36: (Top) Single source canine DNA at 62.5pg, (Middle) single source Pork DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Pork (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 2

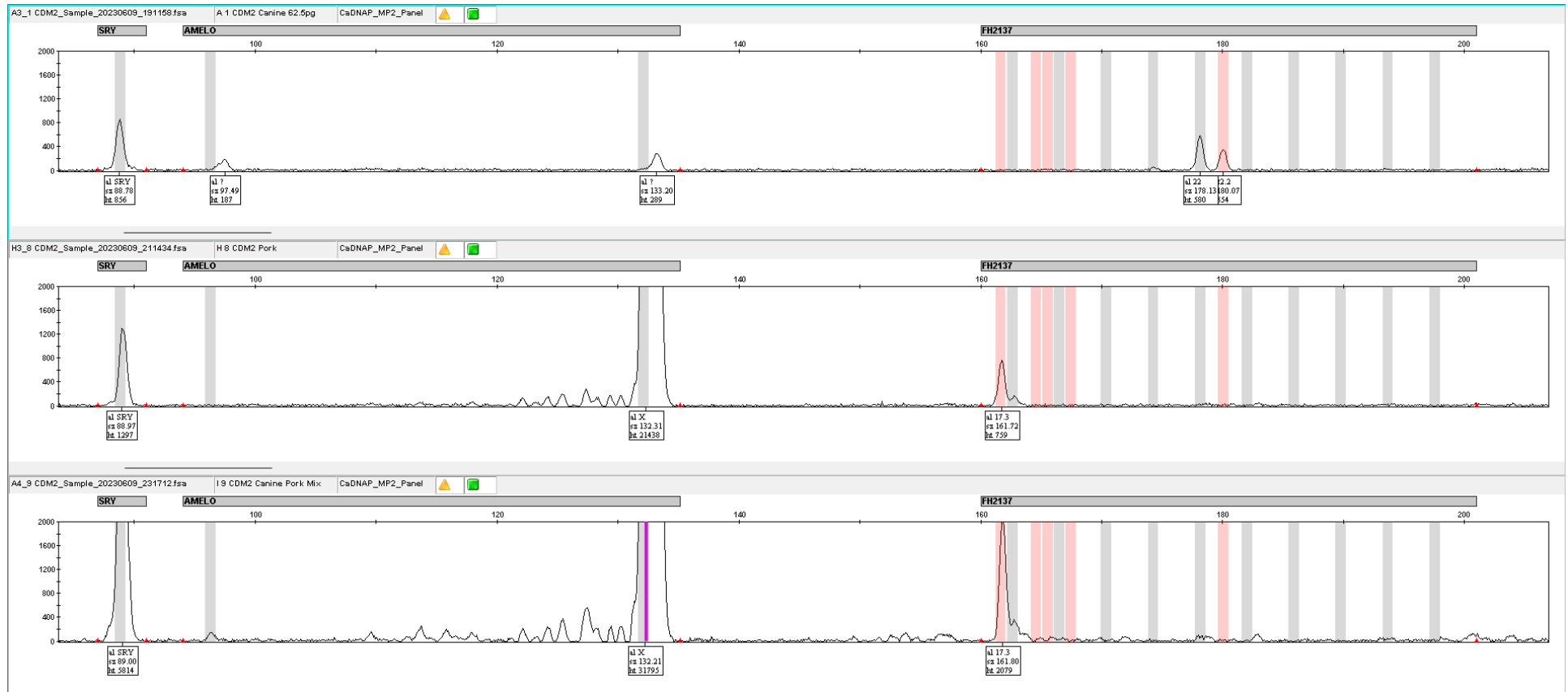


Figure 37: (Top) Single source canine DNA at 62.5pg, (Middle) single source Pork DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Pork (31.25ng) DNA for three loci in the yellow channel for CaDNAP Panel 2

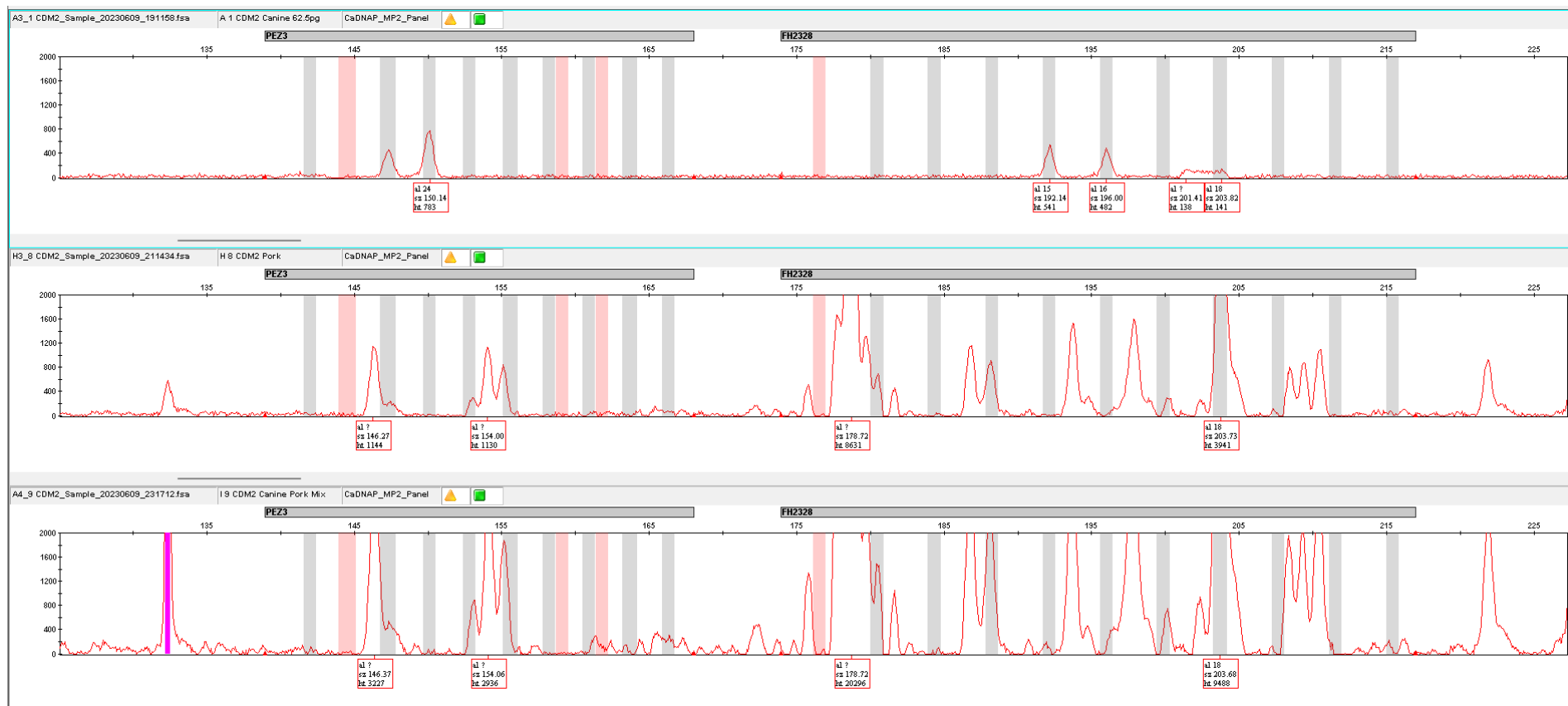


Figure 38: (Top) Single source canine DNA at 62.5pg, (Middle) single source Pork DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Pork (31.25ng) DNA for two loci in the red channel for CaDNAP Panel 2

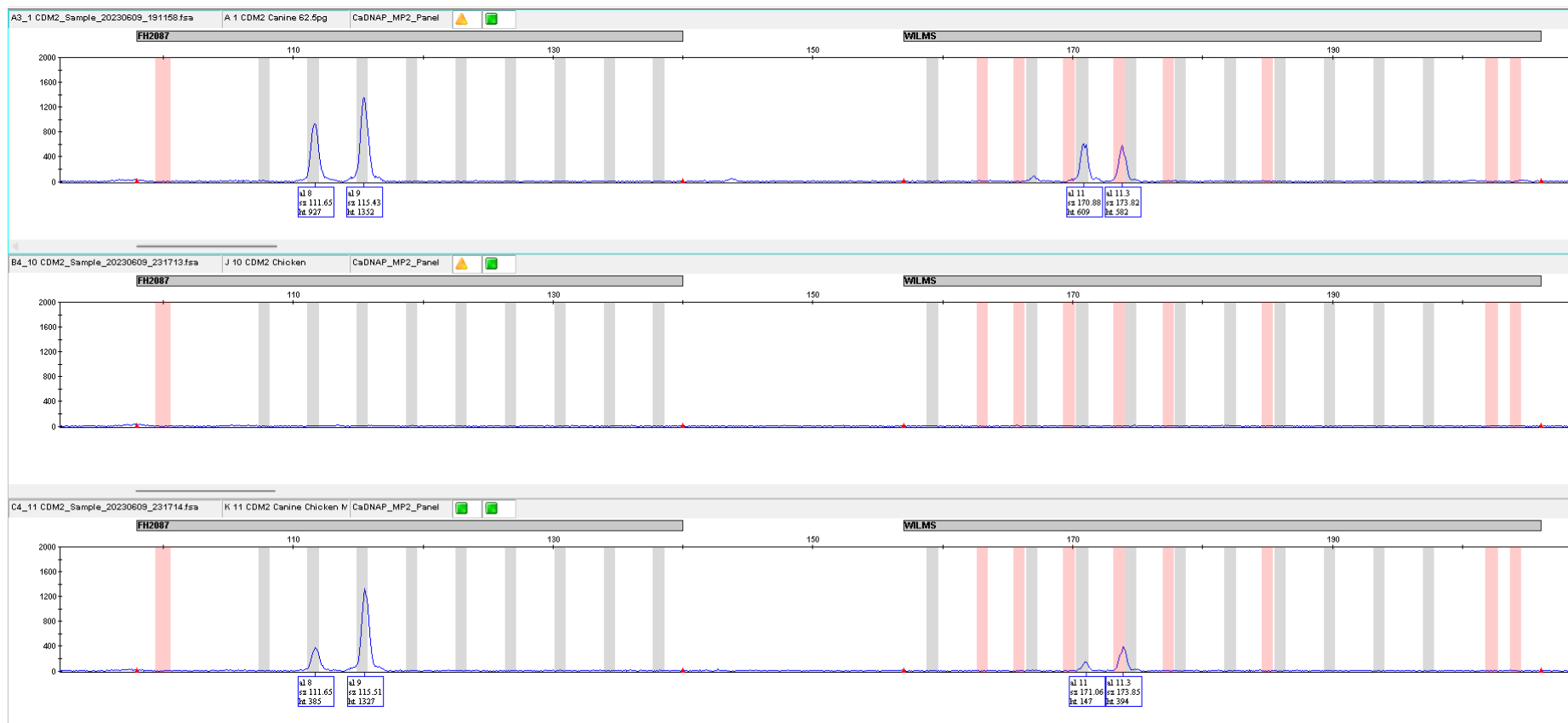


Figure 39: (Top) Single source canine DNA at 62.5pg, (Middle) single source Chicken DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Chicken (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 2

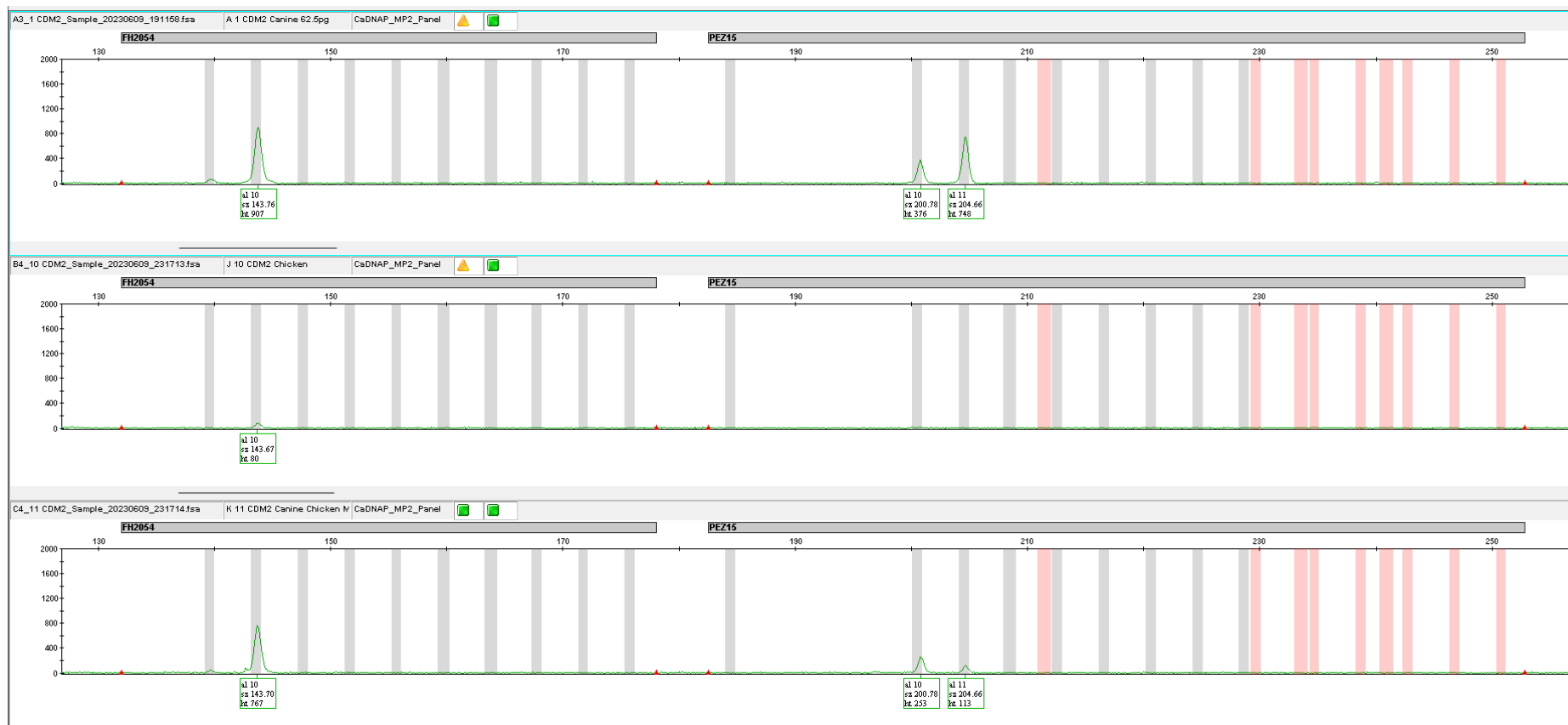


Figure 40: (Top) Single source canine DNA at 62.5pg, (Middle) single source Chicken DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Chicken (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 2

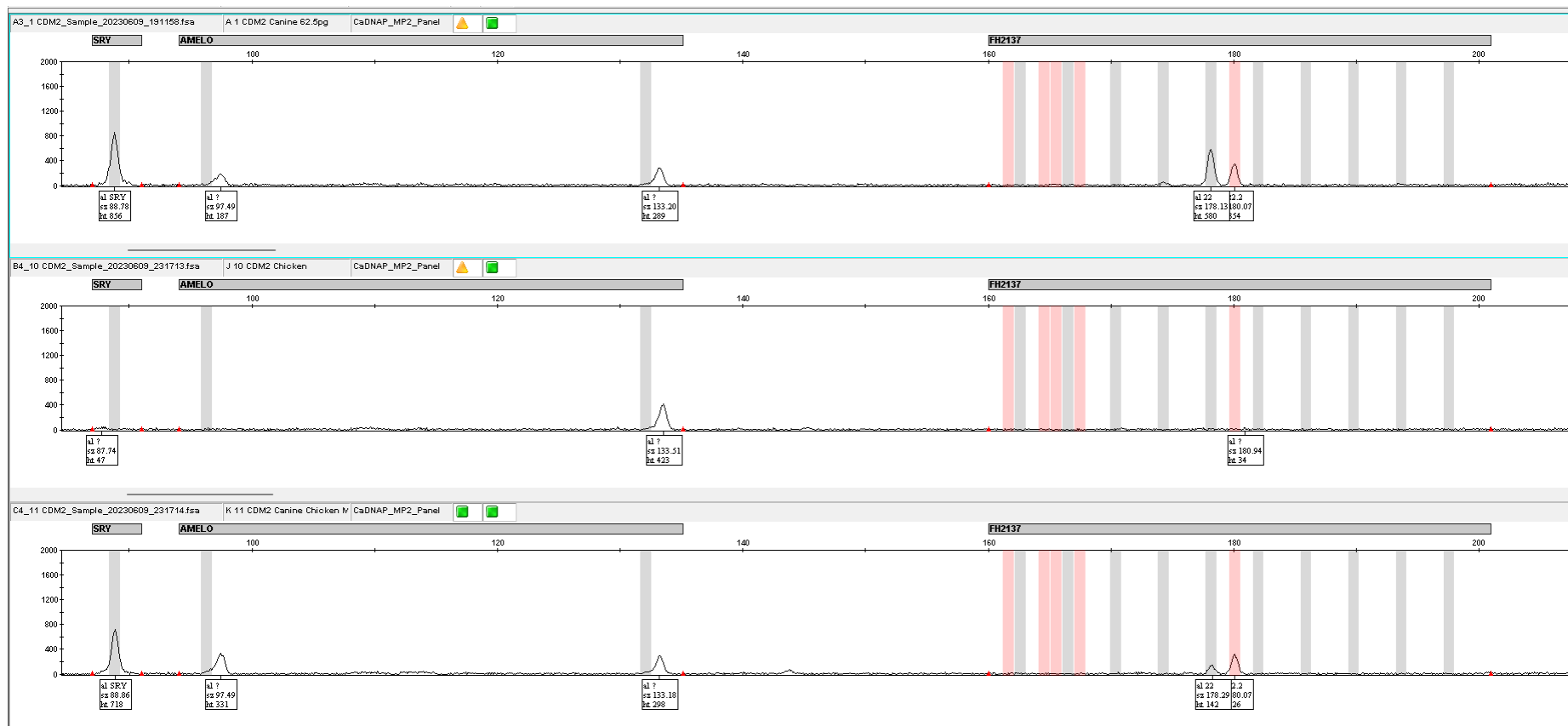


Figure 41: (Top) Single source canine DNA at 62.5pg, (Middle) single source Chicken DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Chicken (31.25ng) DNA for three loci in the yellow channel for CaDNAP Panel 2

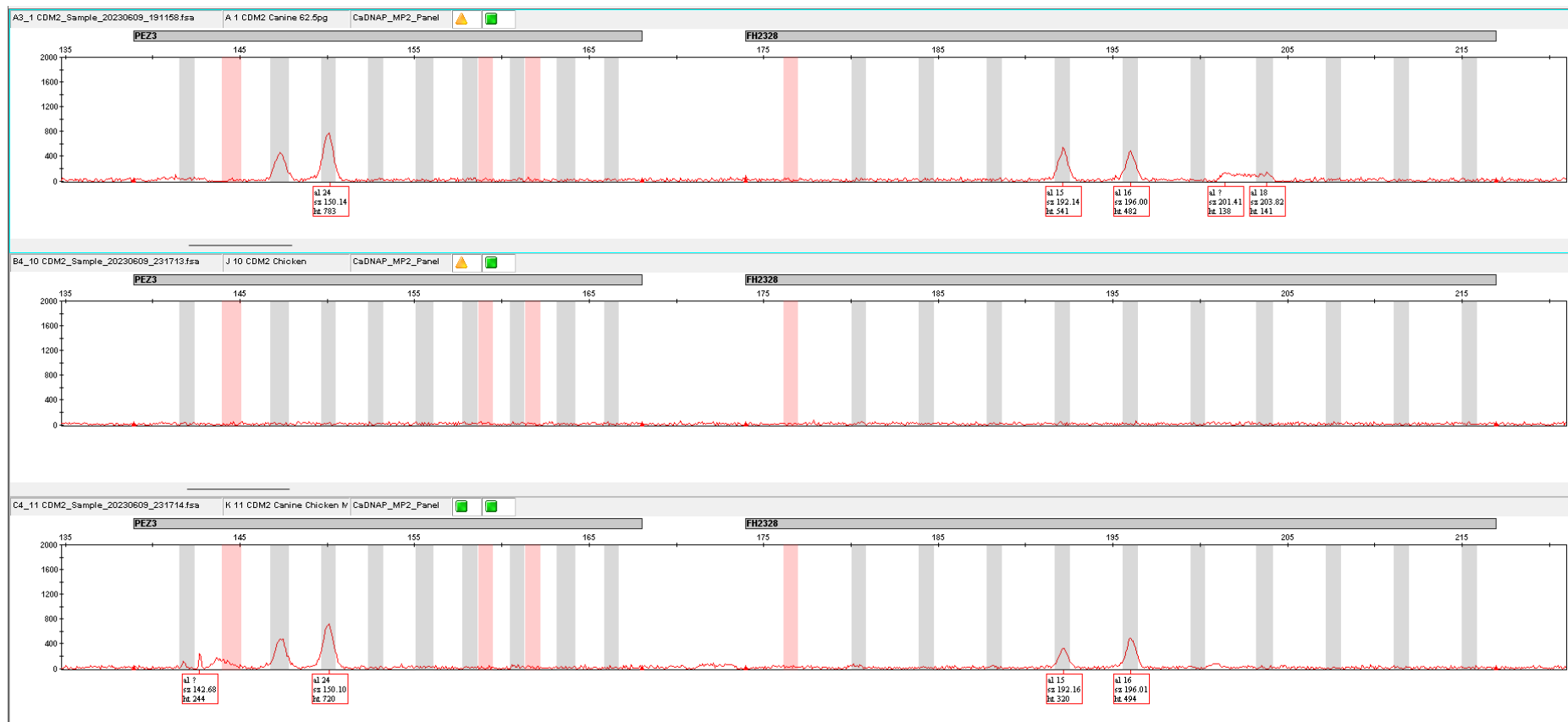


Figure 42: (Top) Single source canine DNA at 62.5pg, (Middle) single source Chicken DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Chicken (31.25ng) DNA for two loci in the red channel for CaDNAP Panel 2

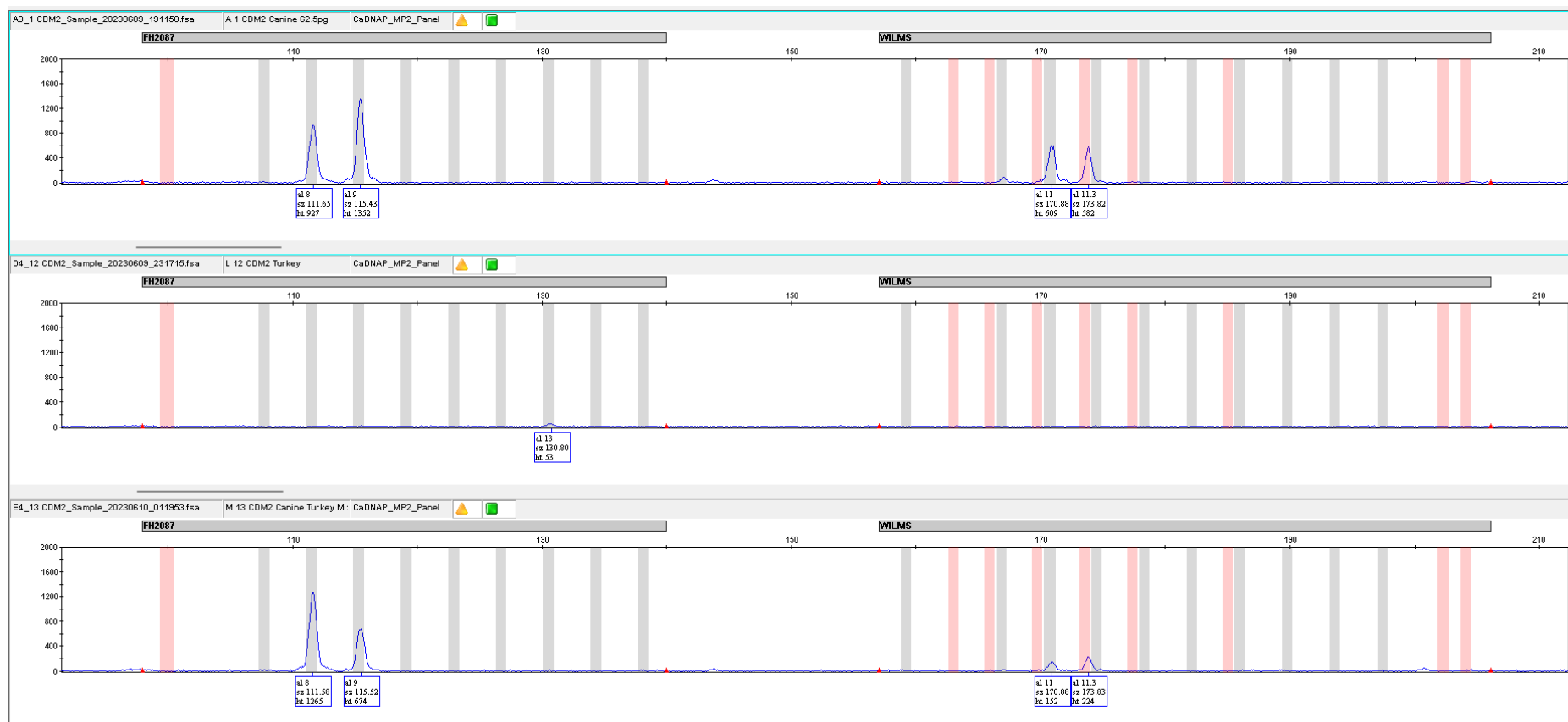


Figure 43: (Top) Single source canine DNA at 62.5pg, (Middle) single source Turkey DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Turkey (31.25ng) DNA for two loci in the blue channel for CaDNAP Panel 2

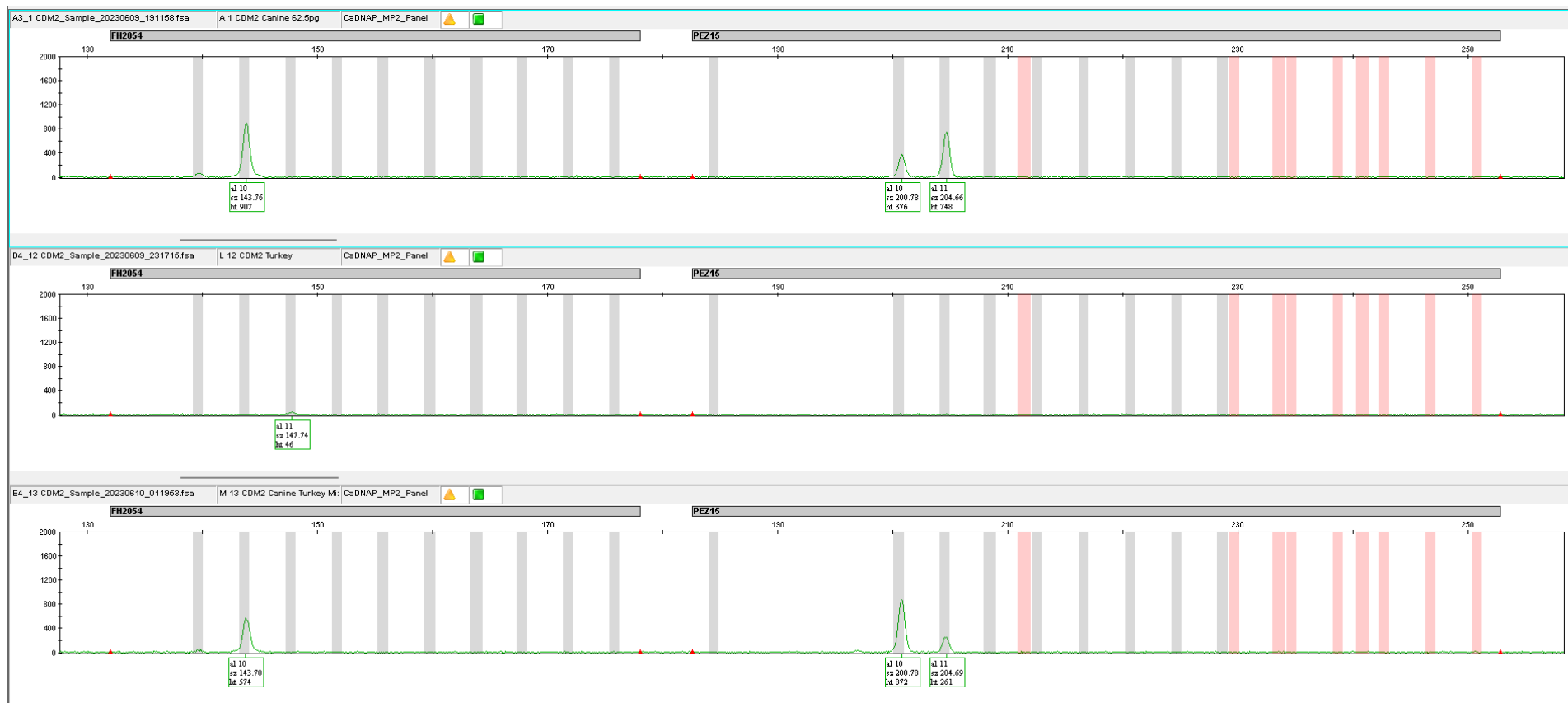


Figure 44: (Top) Single source canine DNA at 62.5pg, (Middle) single source Turkey DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Turkey (31.25ng) DNA for two loci in the green channel for CaDNAP Panel 2

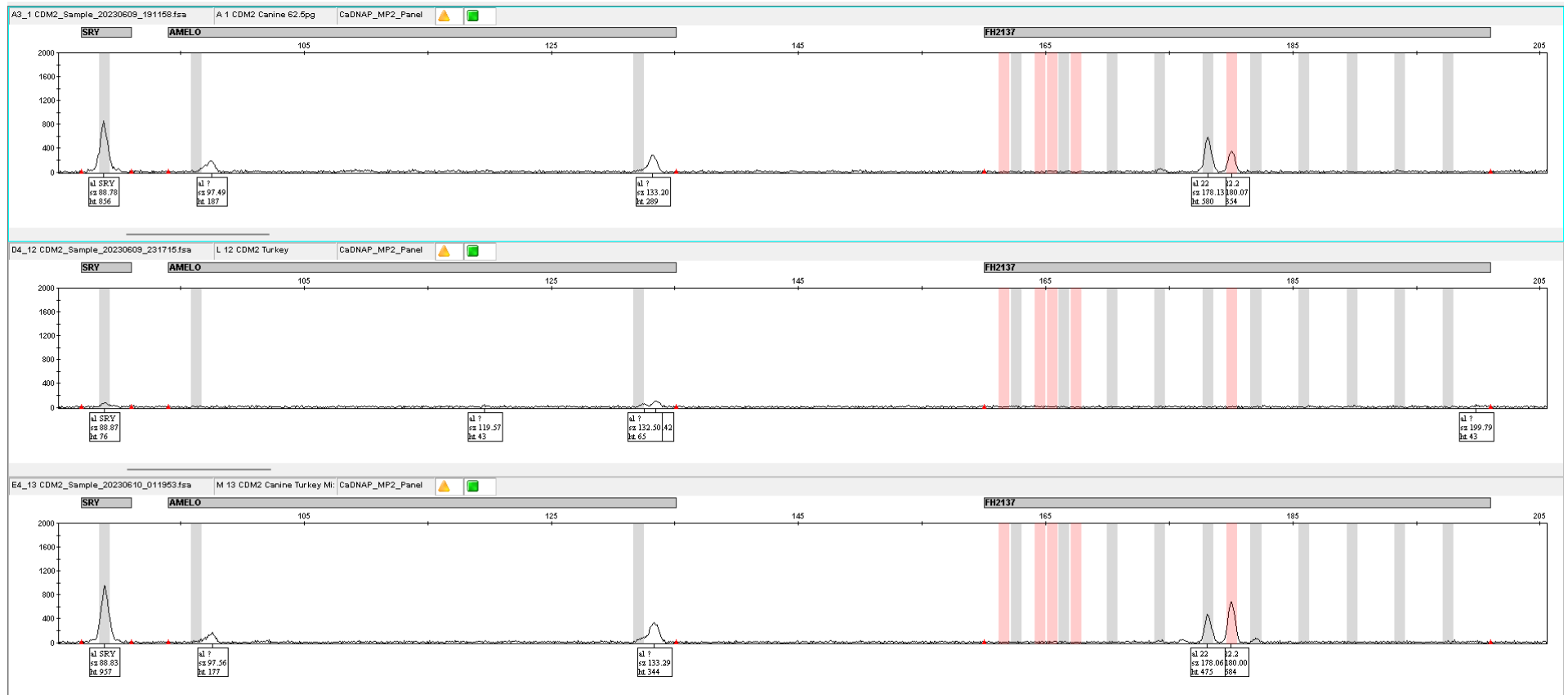


Figure 45: (Top) Single source canine DNA at 62.5pg, (Middle) single source Turkey DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Turkey (31.25ng) DNA for three loci in the yellow channel for CaDNAP Panel 2

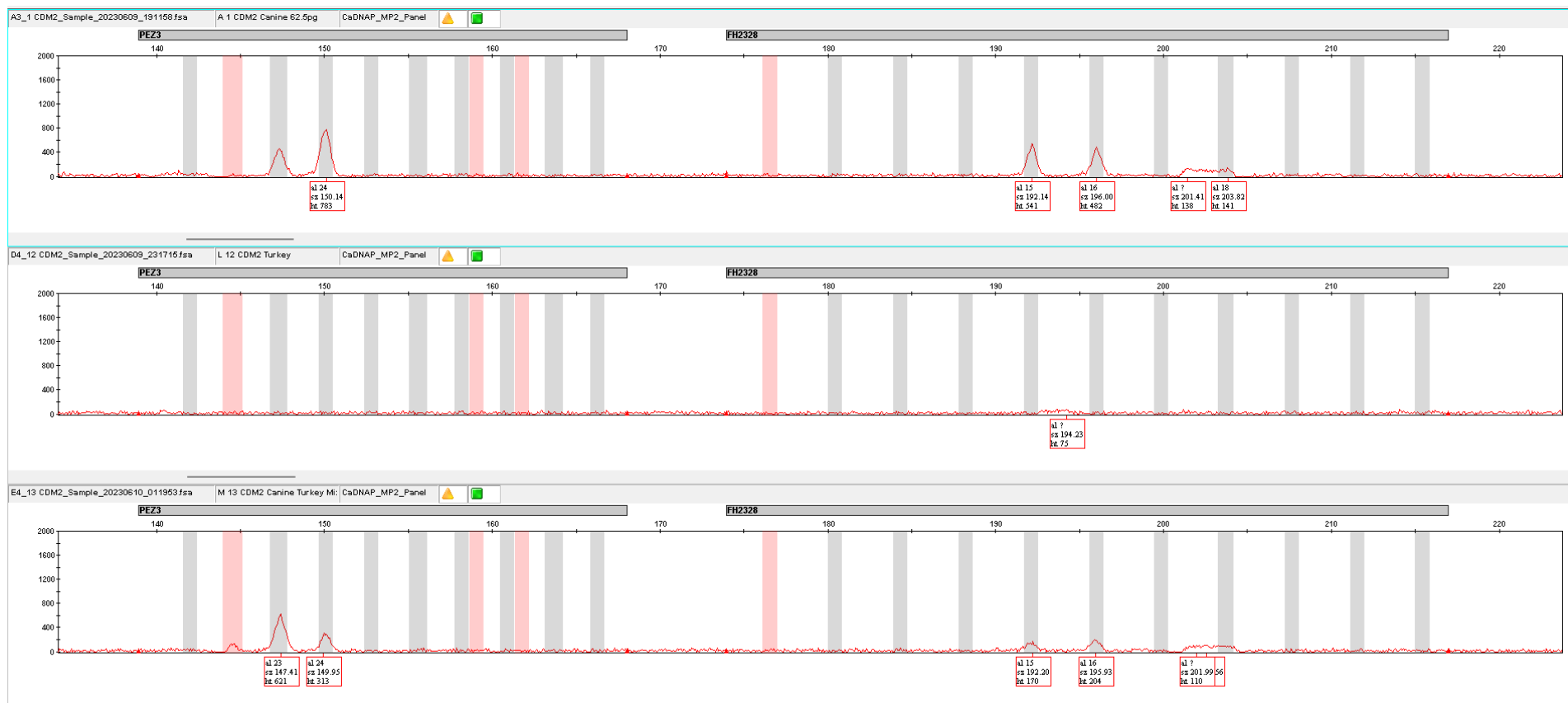


Figure 46: (Top) Single source canine DNA at 62.5pg, (Middle) single source Turkey DNA at 31.25ng, and (Bottom) mixed canine (62.5pg): Turkey (31.25ng) DNA for two loci in the red channel for CaDNAP Panel 2