CAN54G2

VK

*Gatgttgtga*tgacccagactcccctcactttgtcggttaccattggacagccagcctccatctcttgcacgtcaagtcagag cctcttaaatagtgatggggagacatatttgaattggttgttacagaggccaggccagtctccaaagcgcctaatccatctg gtgtctaaactggactctggagtccctgacaggatcactggcagtggatctgggacagatttcacactgaaaatcaacag agtggaggctgaggatttgggaatttattattgc**tggcaaggtacacattttccgtggacg**ttcggtggaggcaccaagc tggaaatcaaac (SEQ ID NO:206)

start of FR1

CDR3

Jgene

Result summary:	**Productive IGK rearranged sequence** (no stop codon and in-frame junction)		
V-GENE and allele	Musmus IGKV1-135*01 F	score = 1366	identity = **96,26%** (283/294 nt)
J-GENE and allele	Musmus IGKJ1*01 F	score = 190	identity = 100,00% (38/38 nt)
FR-IMGT lengths, CDR-IMGT lengths and AA JUNCTION	[26.17.36.10]	[11.3.9]	CWQGTHFPWTF

VH

*Caggtccagttg*cagcagtctggaactgagctggtaaggcctgggacttcagtgaagatatcctgcaaggcttctggatac gacttcactaacttttggctaggttggataaagcagaggcctggacatggacttgaatggattggagatatttaccctggag gtgataatacttactacaatgagaagttcaagggcaaagtcacgctgactgcagacaaatcctcgaacacagcctatatg cagttcagtagcctgacatctgaggactctgctgtctatttctgt**tttatgattctctatactttggactac**tggggtcaaggaa cctcagtcaccgtctcctcag (SEQ ID NO:207)

FIG. 11

start of FR1

CDR3

Jgene

Result summary:	**Productive IGH rearranged sequence** (no stop codon and in-frame junction)		
V-GENE and allele	Musmus IGHV1-63*01 F	score = 1210	identity = **91,32%** (263/288 nt)
J-GENE and allele	Musmus IGHJ4*01 F	score = 225	identity = 90,74% (49/54 nt)
D-GENE and allele by IMGT/JunctionAnalysis	Musmus IGHD2-4*01 F	D-REGION is in reading frame 1	
FR-IMGT lengths, CDR-IMGT lengths and AA JUNCTION	[25.17.38.11]	[8.8.9]	CFMILYTLDYW

FIG. 11 (cont.)