

KRAS gene (exons only)

START

1 2 3 4 5 6 7 8 9 10 11 12

ATGACTGAATATAAACTTGTGGTAGTTGGAGCTGGTG

|

10

|

20

|

30

Region checked



13 14 15 16 17 18 19 20 21 22 23 24 25

GCGTAGGCAAGAGTGCCTTGACGATACAGCTAATTCA

|
40

|
50

|
60

|
70

Region checked

Region checked

26 27 28 29 30 31 32 33 34 35 36 37

GAATCATTTTGTGGACGAATATGATCCAACAATAGAGG

|

80

|

90

|

100

|

110

Region checked



38 39 40 41 42 43 44 45 46 47 48 49 50

ATTCCTACAGGAAGCAAGTAGTAATTGATGGAGAAAC

|

120

|

130

|

140

Region checked

51 52 53 54 55 56 57 58 59 60 61 62

CTGTCTCTTGGATATTCTCGACACAGCAGGTCAAGAG

|

|

|

|

150

160

170

180

Region checked



63 64 65 66 67 68 69 70 71 72 73 74

GAGTACAGTGCAATGAGGGACCCAGTACATGAGGACTG

| | | |
190 200 210 220

Region checked

Region checked

75 76 77 78 79 80 81 82 83 84 85 86 87

GGGAGGGCTTTCTTTGTGTATTTGCCATAAATAATAC

230

240

250

260

Region checked

88 89 90 91 92 93 94 95 96 97

TAAATCATTTGAAGAT**ATT**CAC**CATT**TAT**AGA**

| | |
270 280 290

Region checked

98 99 100 101 102 103 104 105 106 107 108 109

GAAC**CAA**ATT**AAA**AGAG**GTT**AAG**GACT**CT**GA**AGAT**GTAC**

|
300

|
310

|
320

Region checked

110 111 112 113 114 115 116 117 118 119 120 121

CTATGGTCCTAGTAGGAAATAAAATGTTGATTGCCTT

| | | |
330 340 350 360

Region checked

Region checked

122 123 124 125 126 127 128 129 130 131 132 133

CTAGAACAGTAGACACAAAACAGGCTCAGGACTTAG

| | | |
370 380 390 400

Region checked

134 135 136 137 138 139 140 141 142 143 144 145

CAAGAAGTTATGGAAATTCCTTTTATTGAAACATCAG

| | |
410 420 430

Region checked

146 147 148 149 150 151 152 153 154 155 156 157

CAAAGACAAGACAGGGTGTTGATGATGCCTTCTATA

|
440

|
450

|
460

|
470

Region checked

Region checked

158 159 160 161 162 163 164 165 166 167 168 169

CATTAGTTCGAGAA**ATT**CGAAAACAT**AAAGAAAAGA**

|
480

|
490

|
500

Region checked

170 171 172 173 174 175 176 177 178 179 180 181

TGAGCAAAGATGGTAAAAAGAAAGAAAGTCAA

| | | |
510 520 530 540

Region checked

STOP

182 183 184 185 186 187 188 189

AGACAAAGTGTGTAATTATGTAA

|
550

|
560

Region checked