

Human H-RAS

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      >KpnI
      |
    >AflIII   >Asp7181
      |       |
>NheI   >PmeI   >HindIII   >BamHI
|       |       |       |
|       10      20      30      40      50
GCTAGCGTTTAAACTTAAGCTTGGTACCGAGCTCGGATCCACC ATG ACG GAA TAT
              M   T   E   Y>
              _____HUMAN H-_____>

        60          70          80          90         100
AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG
 K   L   V   V   V   G   A   G   G   V   G   K   S   A   L>
__a__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

        110        120        130        140
ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC
 T   I   Q   L   I   Q   N   H   F   V   D   E   Y   D   P>
__a__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

        150        160        170        180        190
ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG
 T   I   E   D   S   Y   R   K   Q   V   V   I   D   G   E>
__a__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

        200        210        220        230
ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC
 T   C   L   L   D   I   L   D   T   A   G   Q   E   E   Y>
__a__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

        240        250        260        270        280
AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG
 S   A   M   R   D   Q   Y   M   R   T   G   E   G   F   L>
__a__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

        290        300        310        320
TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC
 C   V   F   A   I   N   N   T   K   S   F   E   D   I   H>
__a__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

        330        340        350        360        370
CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG
 Q   Y   R   E   Q   I   K   R   V   K   D   S   D   D   V>
__a__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

        380        390        400        410
CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT
 P   M   V   L   V   G   N   K   C   D   L   A   A   R   T>
__a__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

        420        430        440        450        460
GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC
 V   E   S   R   Q   A   Q   D   L   A   R   S   Y   G   I>
__a__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

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          470          480          490          500
CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT
P   Y   I   E   T   S   A   K   T   R   Q   G   V   E   D>
__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

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          510          520          530          540          550
GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG
A   F   Y   T   L   V   R   E   I   R   Q   H   K   L   R>
__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

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          560          570          580          590
AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC
K   L   N   P   P   D   E   S   G   P   G   C   M   S   C>
__a__a__a__a__a__HUMAN H-RAS_a__a__a__a__a__a__>

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          600          610
AAG TGT GTG CTC TCC TGA
K   C   V   L   S   *>
__a__HUMAN H-RAS__a__>

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                                >PmeI
                                |
>XhoI   >XbaI   >ApaI   |
|       |       |       |
|       |       |       |
|       620     630     |
CTCGAGTCTAGAGGGCCCGTTTAAAC

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