

6958                    6978                    6986                    6996                    7006                    7015                    7018                    7028  
**6955:** -----AACACTGAGCTCAGAAGAGTCAAGCATT--TGCCTAAGGTCGGACATGTCAGAGG-CAGTGCCAG-----ACCTATGTGAGACTCTGCAGCT  
**6189:** -----TA.....G.....AC..C.....T...A...CA.....CC.....C.AA.....  
**7573:** -----A.....GC.....AGC.C--TGTG...A.GA...CA...G..T...C.G.....T.C...C..CT...A.TT.  
**1144:** GGGATG...T.A.....G..A...GCA.GT...A.....A...A...A...TC..T..TTCTTGT.G.C.AA.C...--A.T.C  
**5465:** -----T.GA.....T.....A..AA.....T.G.C-A.A.A.....ACTGT.CT.T--T.A....

human  
galago  
rabbit  
goat.lcr  
mouse

7048                    7058                    7068                    7082                    7092                    7121  
**7039:** ACTGCTCATGGCCCTGTGCTGCACCTGATGAGGA-----GGATCAGATGGATGGGGCAATGA-AGCAAAGGAATCATTCTGTGGATAAAGGAGACAGCC  
**6259:** -----C..A.....T...A.GTG.GCA.....G.G.....A...ATGCC.....G..A...TGGG.....G.G.....G.....  
**7658:** CT.....A-A...T.T..A.A..T..T...CA-----TT...AG...CCTC.G..-A..GG..GG.T.GG...G...A..G...A  
**1241:** ..A.....AAA.....T.....C.C.....C.G.T...T..A..C.T.G..G...G.....GGGG..C.C..GT.....G...G.  
**5542:** C....G.G-A.ATGCT..T.T.C.....TTCAAT..G.T.....-..A..A..GC.TGGT.ACA.G.GG.....A.A.A

end P'son minor HS

human  
galago  
rabbit  
goat.lcr  
mouse

7141                    7151                    7161                    7171  
**7132:** ATGAAGAAGTCTATGACTGTAAATTTGGGAGCAGGAGTCTCTAAGGACTTGGATTTCAGGAAATTTGACTCAGCAAA-CACAAGACC-----CTC-AC  
**6349:** .G.C..G.TA.CTGA...A.GGT...TGA..CT...T.....G...A..C..T.G...C.....CT..GC.A...TGTGCA...-C.  
**7749:** ..AG.....GA.....C.G...C.....C.C.G..A.G.C.A..C.....C.....TGAGGT.C.-.T  
**1335:** C.AG...AAA...GG...C..C..CT.A...CA.T...TT..G...A.C...GC...A.....TGAGGT...C..T  
**5628:** .AC.G..G...G..A.G...T.....CAG..T.....C.....CTAGGC...-CT

rStul                    AP1/NFE2 begin major HS3                    rNcoI

human  
galago  
rabbit  
goat.lcr  
mouse

7224                    7265                    7275                    7295  
**7224:** -----GGTGACTTTGCGAG-CTGGTGTGCCAGATGTGCTATCAGAGGTTCCAGGAGGGTGGGGTGGGTCAGGGCTGGCCACAGCTATCAGGGCC  
**6448:** AGCCTGT..G.....AG.....A.....A.....G.....G..A...T...C-----T.A...A..TG..A..A.....AT.  
**7840:** ..CA.....GA.....C.A...C.....G..A...CA...C-----T.A...A..TG...T.....AT.  
**1427:** ..A.GA...C..G.....G...A.....CA...A...CA...C-----A.A..A..TTG..TG.....A..A.  
**5702:** -----A.G...GA.A...G...C.T..GA.....C...TAT-..TA.ACATC-----TGAT.T.A..TG...T.....A..A.

HphI begin HS3 pos ind    gata    GATA                    cacbp                    GATA

human  
galago  
rabbit  
goat.lcr  
mouse

7325                    7335                    7355                    7365                    7385  
**7316:** CAGATGGGTTATAGGCTGGCAGGCTCAGATAGGTTGGTTAGGTCAGGTTGGTGGTCTGGGTGGAGTCCATGACTCCAGGAGCCAGGAGAGATAGAC  
**6542:** ..A...C...GCT.TG.....T.....CA.CT.....TT-.....T.....  
**7911:** ..AA.AC..C...TCT.TGT.....C.CACTG...T...CT.....T...A...A...T...G...G...  
**1514:** ..CA...C..C...TCT.TT..G.....A...C...CT.....G...G...T...A.G...G...  
**5784:** ..A...C.CTTA.AT..T.....A.ACC.T..GT..G.TTCA.CT.A.....TG...TG-A..A-----A.....ACA

yy1                    GATA                    CACBP                    HS3 Forrester GATA

human  
galago  
rabbit  
goat.lcr  
mouse

7420                    7429                    7439                    7478  
**7413:** --CATGAGTAGAGG-GCAGACATGGAAAGGTGGGGAGGCACAGCATAGCAGCATTTTT-CATTCTACTACTACATGGGACTGCTCCCTATACCCCCA  
**6631:** ..G.....TG...CA...G.....A.CC.....T.G..A...TG...AAG...CTT..C..CTT.T..  
**8000:** -----A.....T..T.T..G.G...TA.....C...T...CT...AA.....G.T.T  
**1603:** --TG...A.C...AA.TGAGTGA.....G.A.C...CA...CT.G...A...T...T...C.TG.AA.....CGCCAG...  
**5876:** AA.....AGC..T-----G.AC...GT...AA.A...TG-----G.CA.T.C...A.CT-----TCT...T.T..

Fnu4HI end HS3 pos ind                    yy1                    end major HS3

human  
galago  
rabbit  
goat.lcr  
mouse

7518                    7525                    7535                    7545                    7564                    7574                    7594  
**7509:** GCTAGGGGCAAGT---GCCTTGACTCCTATGTTTTCAGGATCATCATCTATAAAG-TAAGAGTAAATATTGTGTCTATCTCATAGGGTTATTAT---GAG  
**6721:** .TG..A.CT..A-----C.....TCC..A.....T.GG.....A..C.....A.....A.....AT..G...G.....A  
**8074:** ..A.AA.C...T-----T...AG..C.AAA..TG..C.A...A...A...A...G..T...G..A..A..G..A.TG.G...TAT..  
**1693:** A.....GCC.TGG...C..AA--TC.TGA...G...A...GA...G...ACA...C..T..G...A  
**5958:** ...T.T.A..ACAACC...C.....A...T...T...A..T...AG..C..G..C...CA.TGG...CTGAGA..G...-T

TATATR                    gata1

human  
galago  
rabbit  
goat.lcr  
mouse