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                6958                    6978        6986        6996        7006        7015        7018        7028
                  |   DYAD                |           |           |           |           |           |           |
6955:  ------AAGACTGAGCTCAGAAGAGTCAAGCATT--TGCCTAAGGTCGGACATGTCAGAGG-CAGTGCCAG-------ACCTATGTGAGACTCTGCAGCT   human
6189:  ------...TA.........G........AC..C-......T....A....CA.......-...CC....--------...C.AA---------------   galago
7573:  ------..A............GC.....AGC.C--.TGTG...A.GA....CA....G..T...C.G...-------.T.C....C..CT....A.TT.   rabbit
1144:  GGGATG...T.A........G..A...GCA.GT...........A.......A....A-..TC..T..TTCTTGT.G.C.AA.C...--...A.T.C   goat.lcr
5465:          ................T.GA......-.T....-.A..AA.-.....T.G.C-A.A.A....--------..ACTGT.CT.T--T..A....   mouse

                7048        7058        7068                    7082        7092                            7121
                  |           |           |           |           |           |   end P'son minor HS          |
7039:  ACTGCTCATGGGCCCTGTGCTGCACTGATGAGGA------GGATCAGATGGATGGGGCAATGA-AGCAAAGGAATCATTCTGTGGATAAAGGAGACAGCC   human
6259:  -------.C..A.....T....A.GTG.GCA..........G.G.......A...ATGCC..-....G..A...TGGG......G.G......G.....   galago
7658:  CT-.....A-A...T.T..A.A..T..T...CA.---------...TT....AG...CCTC.G..-.A..GG..GG.T.GG.......G...A..G....A   rabbit
1241:  ..A.....AAA.....T..........C.C...-------.C..G.T...T..A..C.T.G..G....G......GGGG..C..C..GT.....G...G.   goat.lcr
5542:  C.....G.G-A.ATGCT..T.T.C..........TTCAAT..G.T....------------.-..A...A..GC.TGGT.ACA.G.GG......A.A.A   mouse

                7141        7151        7161        7171
                  |           |           |           |   rStuI         AP1/NFE2 begin major HS3        |   rNcoI
7132:  ATGAAGAAGTCTATGACTGTAAATTTGGGAGCAGGAGTCTCTAAGGACTTGGATTTCAAGGAATTTTGACTCAGCAAA-CACAAGACC------CTC-AC   human
6349:  .G.C..G.TA.CTGA...A.GGT.....TGA..CT...T.......G...A..C..T.G....C.............CT..GC.A...TGTGCA...-C.   galago
7749:  ..AG........GA.......C.G...C........C.C.G..A.G.C.A..C.........C.............--------..TGAGGT.C.-.T   rabbit
1335:  C.AG........GG.......C.C..CT.A....CA.T...TT..G....A.C....GC...A.............--------..TGAGGT...C..   goat.lcr
5628:  .AC.G..G....G.A.G.........T......CAG..T.....----------------.C.............--------..CTAGGC...-CT   mouse

                                                                7265        7275                7295
                HphI begin HS3 pos ind   gata    GATA            |           |     cacbp         |         GATA
7224:  -------GGTGACTTTGCGAG-CTGGTGTGCCAGATGTGTCTATCAGAGGTTCCAGGGAGGGTGGGGTGGGGTCAGGGCTGGCCACCAGCTATCAGGGCC   human
6448:  AGCCTGT..G......AG...-...A.....A.........G......G...A......T...C-----.......A..TG.A.A.....      .....   galago
7840:  -------..CA......GA..-...----------------.........G...A.....CA...C-----T.A....A..TG...T.......  ..AT.   rabbit
1427:  -------A.GA...C..G...-....G....A.........CA...A.....CA...C-----..A.A..A.TTG.TG.......A...   goat.lcr
5702:  -------A.G....GA.A...G...C.T..GA.........C...TAT-.TA.ACATC-----TGAT.T.A..TG..........-----   mouse

                7325        7335                7355        7365                7385
     yy1        |           |       GATA        |           |       CACBP       |       HS3 Forrester  GATA
7316:  CAGATGGGTTATAGGCTGGCAGGCTCAGATAGGTGGTTAGGTCAGGTTGGTGGTGCTGGGTGGAGTCCATGACTCCCAGGAGCCAGGAGAGATAGAC---   human
6542:  -...A.....C...GCT.TG...........T..............CA.CT.............T.....TT-....------.T.......---   galago
7911:  ....AA.AC..C...TCT.TGT.............C.CACTG....T-...CT........T.....A......T-..GA------.......G.---   rabbit
1514:  ...CA...C..C...TCT.TT..G.........A...C...........C..CT...........G-...G..T.-A.G.------.........---   goat.lcr
5784:  -...A...C.CTTA.AT..T...........A..ACC.T..GT..G.TTCA.CT.A..........TG......TG-A..A------A........ACA   mouse

                7420        7429        7439                                    7478
                  |           |           |   Fnu4HI end HS3 pos ind              |   yy1   end major HS3
7413:  --CATGAGTAGAGG-GCAGACATGGGAAAGGTGGGGGAGGCACAGCATAGCAGCATTTTT-CATTCTACTACTACATGGGACTGCTCCCCTATACCCCCA   human
6631:  --..G...........TG....CA....G.....--.......A.CC.............T.G..A.....TG.....AAG....CTT..C..CTT.T..   galago
8000:  --.....A.------------.....----..T..T.T..G.G..---...TA.......-...C...T...CT....AA...------.......G.T.T   rabbit
1603:  --TG....A.C..AA.TGAGTGA........G.A.C.....CA....CT.G.........A-.T..T......C.TG.AA...-------CGCCAG....   goat.lcr
5876:  AA......AGC..T-------.G.AC.....GT......AA.A......TG-........-----G.CA.T.C.....A.CT.------.TCT...T.T..   mouse

                7518        7525        7535        7545                    7564        7574        7594
                  |           |           |           |       TATATR          |           |   gata1   |
7509:  GCTAGGGGCAAGT---GCCTTGACTCCTATGTTTTCAGGATCATCATCTATAAAG-TAAGAGTAATAATTGTGTCTATCTCATAGGGTTATTAT---GAG   human
6721:  .TG..A.CT..A----...C......TCC..A.......T.GG.....-.....A-C....----.......A......AT..GA..G....-----..A   galago
8074:  ..A.AA.C...T-----.T.....AG..C.AAA..TG..C.A.....A.....A-....G..T...G.A.A...G.A.TG.G........TAT...   rabbit
1693:  A.....---------.GGC.TGG....C..AA--...TC.TGA.....G....A-....GA...G....ACA....C..T-.G........------..A   goat.lcr
5958:  ....T.T.A..ACAACC.....C....--..A...T...T....A..T.....AG.C..G..C.....CA.TGG....CTGAGA..G....-----..T   mouse
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