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                3539                    3559      3569      3579      3589      3599      3609      3619
                  | HS4 Lowrey           |         |         |         |         |         |         | HS4 Lowrey
3530:  GTGGACCTGGGAGGAGGGTTATTGTCCATGACTGGTGTGTGGAGACAAATGCAGGTTTATAATAGATGGGATGGCATCTAGCGCAATGACTTTGCCATCA  human
2581:  .CA..A.......A.AAA..-..A.........A...A...-..T...GATG......T-----..................T........C......AT.  galago
3242:  AG.........A.....G........TCA......A..A.------------.A...G-----AC.CA..CA.....A..TA....TG.C...TGT.T.  rabbit

                                                3664      3674      3684      3694                3707
                SacI begin HS4 pos ind          |         |         |         |                   |
3630:  CTTTTAGA-----GAGCTCTTGGGGACCCCAGTACACAAGAGGGGACGCAGGGTATATGTAGACATCTCATTCTTTTT-------CTTAGTGTGAGAATA  human
2674:  ......A.------...T....T...T...AG.C.T........A.GT.T......C..A....AT.T.G.GGG.....TTCTTCC.....G.GTG.GG.C  galago
3325:  ........ATAAA...AGT..T.A.T...ATAAT..A......A...C......GC.CA....TC...G.A.GCC..C----------------..TG.G  rabbit
  97:                                                                ...TTC.T....-------T..TT.TG.TAGG.G  mouse.hs4

                3727      3737      3745      3755      3765                3778      3780      3790
                  |         |         |         |         |         |         |         |   YY1   |
3718:  AGAATAGCCATGACCTGAGTTTATA--GACAATGAGCCCTTTTCTCTCTCCCACT-------CAGCAGCTA--------TGAGATGGCTTGCCCTGCCTC  human
2769:  ...-....................G---.C.TGG..CATT.CC..C..........TATGTAG..AT..AA.--------.......A....TT.....C.  galago
3409:  ....G..AT.....      .....C..CAGCCAT.A.CC.TT.CCC.........--------.......C.GGTCAGAG....C.T.A.CA....C.  rabbit
 125:  .C.G..A.....T.TCA..G..TC.GATCATGAACAATT.GCC......TA..TC-------T......A.TGTCAGAA.......    ....T...CA..C.  mouse.hs4

                3810      3820      3830      3840      3848                3878      3888
                  | AP1     |         |         |         |         GATA    GATA1PstI |         |
3801:  TCTACTAGGCTGACTCACTCCAAGGCCCAGCAATGGGCAG--GGCTCTGTCAGGGCTTTGATAGCACTATCTGCAGAGCCAGGGCCGAGAAGGGGTGGA-  human
2857:  .G.GG.........       .GA.TG...AG..A..ACA--..TC.....AA...C.....T.....A..G.A....AG.-..G.....CCTG-  galago
3502:  .G.G..G.TT....      .T.       .C....AAG.-A..TC....T.    ....CA..C.         .G.     A.TT..GC....CT.GT  rabbit
 218:  .T......T....GATC....C.CC.ATG...  .G...AGTGA.ATC...C..A.A..C...  ..AT.......A.T.GA.     A----..CCA..------  mouse.hs4

                3904                                      3953                      3983
                  |         AvaI end HS4 pos ind          |NsiI|  AT rich conserved |
3898:  ---CTCCAGAGACTCTCCCTCCCATTCCC-GAGCAGGGTTTGCTTATTTATGCATTTAAATGATATATTTTATTTTAAAAGAAATAACAGGAGA--CTGCC  human
2953:  --------A..C....      .T.G...TA..AT.AA.....T.    .A.GTT.       .A.     .       .T.         .GG..GA.AT.....  galago
3601:  AGG...T...A.G.T.       .GCAAGT...G.A....G...      .CAT.     .G..TC...G.     .T.         .TA.TAG------.  rabbit
 309:  ---...AGAGCCT.GG.TT...A.C.G..AA.CAGCA.     .ACT...G.AT.     .G.TG...GC.     .T.        .C.TA..TG-T...TA  mouse.hs4

                4001      4011      4021      4025      4035      4045                4064
                  |         |         |         |         |         |         |         |
3992:  CAGCCCTGGCTGTGACATGGAAACTATGTAGAA------TATTTTGGGTTCCATTTTTTTTTCCTTCTT-----------TCAGTTAGAGGAAAAGGGGC  human
3050:  T.......T..A..-...AC...   ...CTC....------.G....ATA..T...C.A..---.....CCCATAATGAGC...........C.G...A..  galago
3695:  .T....AACT..G.-...A..C.GC.CC.....------A.....ACAA...T.C.G..----.TG...C-TCACAGGAGCA..A.......C......CA  rabbit
 405:  .     .A.A.     .C.       .   ...CT.T...GGGTTT.G.      .G.TTTG....                                  mouse.hs4

                4084      4094      4104      4114      4124      4134                4144      4154
                  |         |         |         |         |         |         |         |         |
4075:  TCACTGCACATACACTAGACAGAAAGTCAGGAGCTTTGAATCCAAGCCTGATCATTTCCATGTC----------ATACTGAGAAAGTCCCCACCCTTCTC  human
3140:  C..A..T.A..G..T..A.TG.C....T.A...T.....G...T......GA......T...G.TAGTTAAA---.C..........ATT........T..  galago
3784:  CTCTC.A.AG.G.C----------------------...G..AG......TG......A...A.AAACAAAATC......C...-....T...A..A...  rabbit

                4174      4184      4194                                4224      4234      4244
                  |         |         | HS4 ForresterHS4 Tuan           |         |         |   NsiI
4165:  TGAGCCTCAGTTTCTCTTTTTATAAGTAGGAGTCTGGAGTAAATGATTTCCAATGGCTCTCATTTCAATACAAAATTTCCGTTTATTAAATGCATGAGCT  human
3238:  .............CTC..C.G...A.....TG...A......CA...C...G...TG..TC......C.T.G......TA..G...G...CT...G.A.  galago
3861:  ....A...G.....C.C..CC.......CA..C.......T.......C...G......CTC.C...GC...G..G...TAGAG........A...CA..  rabbit
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