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                   -> U3
 HERVWE1-RG0-[5]d  TGAGAGACAGGACTAGCTGGATTTCCTAGGCCGACTAAGAATCCCTAAGCCTAGCTGGGAAGGTGACCACGTCCACCTTTAAACACGGGGCTTGCAACTTAGCTCACACCTGACCAATCA  120
HERVWE1-132A-[5]d  ........................................................................................................................  120
 HERVWE1-24A-[5]d  ........................................................................................................................  120
 HERVWE1-RG0-[3]d  ...............................T........................................A...............................................  120
 HERVWE1-37B-[3]d  ...............................T........................................A...............................................  120
 HERVWE1-24A-[3]d  ...............................T........................................A...............................................  120
 HERVWE1-22B-[3]d  ...............................T........................................A...............................................  120
 HERVWE1-83A-[3]d  ...............................T........................................A...............................................  120
 HERVWE1-37A-[3]d  ...............................T........................................A...............................................  120
HERVWE1-132A-[3]d  ...............................T........................................A...............................................  120
 HERVWE1-71A-[3]d  ...............................T........................................A...............................................  120
 HERVWE1-80B-[3]d  ...............................T........................................A...............................................  120
HERVWE1-132B-[3]d  ...............................T........................................A...............................................  120
  HERV-WPH74-[3]r  ...............................T........................................A...............................................  120
      HERV-W8-[3]r  .....A...........A................T.....................A.......T.......A.............................C..........C....C....  120
   HERV-WHS14-[3]d  ......................C.............................................TG.A.......................................CA........  120

                                                                   CAAT-Box                                          TATA-Box
 HERVWE1-RG0-[5]d  G---------AGAGCTCACTAAAATGCTAATTAGGCAAAGACAGGAGGTAAAGAAATAGCCAATCATCTATTGCCTGAGAGCACAGCAGGAGGGACAACAATCGGGATATAAACCCAGGC  231
HERVWE1-132A-[5]d  ..........................................................................................................................  231
 HERVWE1-24A-[5]d  ..........................................................................................................................  231
 HERVWE1-RG0-[3]d  ..........................................................................................TG..........................A.T  231
 HERVWE1-37B-[3]d  ..........................................................................................TG..........................A.T  231
 HERVWE1-24A-[3]d  ..........................................................................................TG..........................A.T  231
 HERVWE1-22B-[3]d  ...........................................A..............................................TG..........................A.T  231
 HERVWE1-83A-[3]d  ...........................C..............................................................TG..........................A.T  231
 HERVWE1-37A-[3]d  ...........................A..............................................................TG..........................A.T  231
HERVWE1-132A-[3]d  ...........................A..............................................................TG..........................A.T  231
 HERVWE1-71A-[3]d  ...........................A..............................................................TG..........................A.T  231
 HERVWE1-80B-[3]d  ...........................A..............................................................TG..........................A.T  231
HERVWE1-132B-[3]d  ...........................A..............................................................TG..........................A.T  231
  HERV-WPH74-[3]r  ...........................A..............................................................TG..........................A.T  231
      HERV-W8-[3]r  .GTAAGAAAG.....C.G.........A..............................G..........TG...A.............................  240
   HERV-WHS14-[3]d  ...........................A..............................................G...GG.......................  229

                        U3 -><-                                   R                  [polyA]          -><- U5
 HERVWE1-RG0-[5]d  ATTCGAGCTGGCAACAGCAGCCCCCCTTTGGGTCCCTTCCCTTTGTATGGGAGC--TGTTTTCATGCTATTTCACTCTATTAAATCTTGCAACTGCACTCTTCTGGTCCATGTTTCTTAC  349
HERVWE1-132A-[5]d  ..........................................................--..........................................................  349
 HERVWE1-24A-[5]d  ..........................................................--..........................................................  349
 HERVWE1-RG0-[3]d  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  350
 HERVWE1-37B-[3]d  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  350
 HERVWE1-24A-[3]d  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  350
 HERVWE1-22B-[3]d  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  350
 HERVWE1-83A-[3]d  C.......C......G...A.....-..........C.........G........TC.....A.....................................A.....................  350
 HERVWE1-37A-[3]d  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  350
HERVWE1-132A-[3]d  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  350
 HERVWE1-71A-[3]d  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  350
 HERVWE1-80B-[3]d  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  350
HERVWE1-132B-[3]d  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  350
  HERV-WPH74-[3]r  C.......C......G...A.....-..........C..................TC.....A.....................................A.....................  327
      HERV-W8-[3]r  ........C......GA.TA...T.-..........C..................TC.....A.....................................A.....................  303
   HERV-WHS14-[3]d  ........C......G...A.....-..........C..................TC........CT.....A.....................................A.....................  322

 HERVWE1-RG0-[5]d  GGCTCGAGCTGAGCTTTTGCTCACCGTCCACCACTGCTGTTTGCCACCACCGCAGACCTGCCGCTGACTCCCATCCCTCTGGATCCTGCAGGGTGTCCGCTGTGCTCCTGATCCAGCGAG  469
HERVWE1-132A-[5]d  ..........................................................................................................................  469
 HERVWE1-24A-[5]d  ..........................................................................................................................  469
 HERVWE1-RG0-[3]d  ....T...........C....G..A.................G...........C.......................A.....................................  470
 HERVWE1-37B-[3]d  ....T...........C....G..A.................G...........CA......................A.....................................  470
 HERVWE1-24A-[3]d  ....T...........C....G..A.................G...........C.......................A.....................................  470
 HERVWE1-22B-[3]d  ....T...........C....G..A.................G...........C.......................A.....................................  470
 HERVWE1-83A-[3]d  ....T...........C....G..A.................G...........C.......................A.....................................  470
 HERVWE1-37A-[3]d  ....T...........C....G..A.................G...........C.......................A.....................................  470
HERVWE1-132A-[3]d  ....T...........C....G..A.................G...........C.......................A.....................................  470
 HERVWE1-71A-[3]d  A...T...........C....G..A.................G...........C.......................A.....................................  470
 HERVWE1-80B-[3]d  ....T...........C....G..A.................G...........CA......................A.....................................  470
HERVWE1-132B-[3]d  ....T...........C....G..A.................G...........C.......................A.....................................  470

 HERVWE1-RG0-[5]d  GCGCCCATTGCCGCTCCCAATTGGGCTAAAGGCTTGCCATTGTTCCTGCACGGCTAAGTGCCTGGGTTTGTTCTAATTGAGCTGAACACTAGTCACTGGGTTCCATGGTTCTCTTCTGTG  589
HERVWE1-132A-[5]d  ..........................................................................................................................  589
 HERVWE1-24A-[5]d  ..........................................................C.....................................................  589
 HERVWE1-RG0-[3]d  ..A.................C.........................T...............CA.C.....................................................  590
 HERVWE1-37B-[3]d  ..A.................C.........................T...............CA.C.....................................................  590
 HERVWE1-24A-[3]d  ..A.................C.........................T...............CA.C.....................................................  590
 HERVWE1-22B-[3]d  ..A.................C.........................T...............CA.C.....................................................  590
 HERVWE1-83A-[3]d  ..A.................C.........................T...............CA.C.....................................................  590
 HERVWE1-37A-[3]d  ..A.................C.........................T...............CA.C.....................................................  590
HERVWE1-132A-[3]d  ..A.................C.........................T...............CA.C.....................................................  590
 HERVWE1-71A-[3]d  ..A.................C.........................T...............CA.C.....................................................  590
 HERVWE1-80B-[3]d  ..A.................C.........................T...............CA.C.....................................................  590
HERVWE1-132B-[3]d  ..A.................C.........................T...............CA.C.....................................................  590

 HERVWE1-RG0-[5]d  ACCCACGGCTTCTAATAGAACTATAACACTTACCACATGGCCCAAGATTCCATTCCTTGGAATCCGTGAGGCCAAGAACTCCAGGTCAGAGAATACGAGGCTTGCCACCATCTTGGAAGC  709
HERVWE1-132A-[5]d  ..........................................................................................................................  709
 HERVWE1-24A-[5]d  ..........................................................................................................................  709
 HERVWE1-RG0-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705
 HERVWE1-37B-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705
 HERVWE1-24A-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705
 HERVWE1-22B-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705
 HERVWE1-83A-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705
 HERVWE1-37A-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705
HERVWE1-132A-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705
 HERVWE1-71A-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705
 HERVWE1-80B-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705
HERVWE1-132B-[3]d  ......A...........G.........C...G..........G...........-.....A.A..........C............C.......................----  705

                                                                                  U5 ->
 HERVWE1-RG0-[5]d  GGCCTGCTACCATCTTGGAAGTGGTTCACCACCATCTTGGGAGCTCTGTGAGCAAGGACCCCCCGGTAACA                                                  780
HERVWE1-132A-[5]d  ..........................................................                                                                780
 HERVWE1-24A-[5]d  ..........................................................                                                                780
 HERVWE1-RG0-[3]d  ------------------------------------------.....................AA......                                                  736
 HERVWE1-37B-[3]d  ------------------------------------------.....................AA......                                                  736
 HERVWE1-24A-[3]d  ------------------------------------------.....................AA......                                                  736
 HERVWE1-22B-[3]d  ------------------------------------------.....................AA......                                                  736
 HERVWE1-83A-[3]d  ------------------------------------------.....................AA......                                                  736
 HERVWE1-37A-[3]d  ------------------------------------------.....................AA......                                                  736
HERVWE1-132A-[3]d  ------------------------------------------.............G........AA......                                                  736
 HERVWE1-71A-[3]d  ------------------------------------------.....................AA......                                                  736
 HERVWE1-80B-[3]d  ------------------------------------------.....................AA......                                                  736
HERVWE1-132B-[3]d  ------------------------------------------.............G........AA......                                                  736
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