



1.1_o_50%_cn YSEL-EDIQTKGKEVENFEKNLEECITRINTEKCLKELMELTKA-EL-EECRSLRS-C-QLEERVSAMEDEMNEMK-EGKFREKRICKRNEQSLQEIWDY
1_chr18_59_58 -----^-----^-----^-----I-----^-----+---^-----^-----^-----^-----^-----^-----^-----^-----
1_chrX_60_59W.....
1_chr11_61_60
1_chr10_62_61
1_chr14_63_62
1_chr7_64_63
1_chr5_65_64 ..K.....
1_chr1_66_65S.....K.....
1_chr6_67_66
1_chr4_68_67
1_chr2_69_68X.....
1_chr1_70_69
1_chr20_71_70
1_chr5_72_71 ..D.....V.....
1_chrX_73_72V.....
1_chr5_74_73
1_chr5_75_74
1_chr1_76_75
1_chr1_77_76
1_chr15_78_77
1_chr16_79_78
1_chr6_80_79
1_chrX_81_80V.....T.....
1_chr13_82_81
1_chr11_83_82
1_chr5_84_83X.....
1_chrX_85_84
1_chr1_86_85
1_chr7_87_86
1_chrX_88_87
1_chrX_89_88
1_chr7_90_89V.....
1_chr11_91_90I.....
1_chr3_92_91
1_chr3_93_92
1_chr12_94_93
1_chr4_95_94Q.....
1_chr1_96_95
1_chr7_97_96
1_chr1_98_97T.....T.....
1_chr3_99_98
1_chr14_100_99
1_chrX_101_100
1_chr5_102_101
1_chr8_103_102T.....
1_chr11_104_103
1_chrX_105_104
1_chr12_106_105
1_chr4_107_106
1_chr10_108_107
1_chr3_109_108I.....
1_chr2_110_109
1_chr6_111_110
1_chr2_112_111
1_chr3_113_112
1_chr1_114_113
1_chr2_115_114
1_chr6_116_115*.....
1_chr11_117_116
1_chr2_118_117P.....L.....
1_chrX_119_118
1_chr4_120_119
1_chr1_121_120V.....
1_chr4_122_121V.....

1.1_o_50%_cn YSEL-EDIQTKGKEVENFEKNLEECITRINTEKCLKELMELTKA-EL-EECRSLRS-C-QLEERVSAMEDEMNEMK-EGKFREKRICKRNEQSLQEIWDY
1_chr16_123_122 -----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----
1_chr5_124_123V.....
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1_chr6_126_125
1_chr3_127_126
1_chr18_128_127
1_chr17_129_128
1_chr5_130_129
1_chr3_131_130I.....
1_chr14_132_131
1_chr5_133_132
1_chrX_134_133K.....G.....
1_chr2_135_134
1_chr10_136_135S.....
1_chr7_137_136
1_chr16_138_137
1_chr15_139_138
1_chr4_140_139
1_chr12_141_140
1_chr14_142_141
1_chr16_143_142D.....
1_chr20_144_143N.....
1_chrX_145_144
1_chr2_146_145
1_chr4_147_146
1_chr11_148_147R.....
1_chr4_149_148
1_chr18_150_149T.....
1_chr18_151_150
1_chr7_152_151R.....
1_chr11_153_152
1_chr1_154_153R.....
1_chr1_155_154K.....
1_chr11_156_155Q.....
1_chr12_157_156A.....
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1_chr12_161_160
1_chr4_162_161
1_chrX_163_162
1_chr18_164_163
1_chr2_165_164
1_chr2_166_165T.....
1_chr5_167_166
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1_chr10_169_168N.....
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1_chr6_171_170
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1_chr2_173_172N.....V.....
1_chr8_174_173X.....
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1_chrX_180_179
1_chr2_181_180
1_chr3_182_181
1_chr2_183_182R.....
1_chr2_184_183I.....*.....
1_chr22_185_184I.....
1_chr11_186_185

1.1_o_50%_cn YSEL-EDIQTKGKEVENFEKNLEECITRINTEKCLKELMELTKA-EL-EECRSLRS-C-QLEERVSAMEDEMNEMK-EGKFREKRICKRNEQSLOQEIWYD
1_chr2_187_186^.....Q.....
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1_chr10_189_188
1_chr20_190_189
1_chrX_191_190
1_chrY_192_191V.....
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1_chr4_198_197
1_chr13_199_198
1_chr9_200_199
1_chr4_201_200A.....
1_chr4_202_201G.....
1_chr5_203_202S.....
1_chr2_204_203V.....
1_chr7_205_204DN.....
1_chrX_206_205Q.....
1_chr4_207_206
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1_chr7_209_208E.....
1_chr6_210_209N.....
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1_chr9_213_212
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1_chr4_216_215
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1_chr1_218_217G.....
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1_chr12_225_224
1_chrX_226_225D.....
1_chr3_227_226K.....
1_chr7_228_227
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1_chr4_242_241M.....
1_chr11_243_242N.....
1_chr5_244_243V.....
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1_chr6_249_248
1_chr8_250_249

1.1_o_50%_cn YSEL-EDIQTKGKEVENFEKNLEECITRITNTEKCLKELMELTKA-EL-EECRSLRS-C-QLEERVSAMEDEMNEMK-EGKFREKRIKRNEQSLQEIW
1_chr1_251_250 -----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^-----^
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1_chrX_296_295