



AACGCCAACCAGCACAAACACATT**CGAATAAG**ACTCACTCACACAGTGGCAAGCTGTGCAAGGCATTTGTGTTGGTGAGCAAGCG
 AAGAGTTCCATTCTCTGCTTCGAAGTACGAAG**GAGAG**AAAGAGTACTTTAAATTTCCACATTCCCGCCTT**GCAGCGCCACCTGGCCT**
TGGTAATGTAGAAGTAGGAAGGAAAGCACCA**CACAAGATGTCGCTCTCCGAC**AGTGGACATGTCGCGTAAAAAATGTTTCGATAAC
 TTTCAATGGTTCGATTGAACAGACAATAAGTGTATTTAAGACACCAGTTCTTATATTCAAAAATCCTAACAACCTCACATT

Fab-8^{CTCF Dir-Dir}

AACGCCAACCAGCACAAACACATT**CGAATAAG**ACTCACTCACACAGTGGCAAGCTGTGCAAGGCATTTGTGTTGGTGAGCAAGCG
 AAGAGTTCCATTCTCTGCTTCGAAGTAC**GAAGAGAG**AAAGAGTACTTTAAATTTCCACATTCCCGCCTT**GCAGCTTACCAAGGCCA**
GGTGCGCTGCAATAATGTAGAAGTAGGAAGGAAAGCACCA**CACAAGATGTCGCTCTCCGAC**AGTGGACATGTCGCGTAAAAA
 TGTTTCGATAACTTTCAATGGTTCGATTGAACAGACAATAAGTGTATTTAAGACACCAGTTCTTATATTCAAAAATCCTAACAACCTCAC
 ATT

Fab-8^{CTCF Dir-Rev}

AACGCCAACCAGCACAAACACATT**CGAATAAG**ACTCACTCACACAGTGGCAAGCTGTGCAAGGCATTTGTGTTGGTGAGCAAGCG
 AAGAGTTCCATTCTCTGCTTCGAAGTACGAAG**GAGAG**AAAGAGTACTTTAAATTTCCACATTCCCGCCTT**GCAGCTTACCAAGGCCA**
GGTGCGCTGCAATAATGTAGAAGTAGGAAGGAAAGCACCA**GTCCGAGAGCGACATCTTGTGTTTCGAC**AGTGGACATGTCGCGT
 AAAAAATGTTTCGATAACTTTCAATGGTTCGATTGAACAGACAATAAGTGTATTTAAGACACCAGTTCTTATATTCAAAAATCCTAACA
 CTCACATT

Designations: **PTS**; **Elba bs**; **GAF bs**; **CTCF bs**; **inverted sequence**