Figure 2 HiCExplorer HITAD Consensus Reciprocal Overlap ≥ 80% В 24.7 24.8 24.9 25.0 25.1 25.2 25.3 25.4 25.5 25.6 Mb 6.19 **Directionality Index** -8.7222 0.75 Insulation Score -0.6903 -2 --4 5 kb Resolution -6 -8 -2 -4 HiCExplorer -6 HITAD -8 -2 --4 -Consensus -6 C Е F 5 kb Resolution 2 kb Resolution 2 kb Resolution 44 65 120-80 100 3.946 2.474 4.061 80 60 Count Count 60 40 40 20 HiCExplorer HITAD 20 0 0 50 75 100 125 150 175 200 25 Ö 25 50 75 100 125 150 175 200 TAD Size (Kb) TAD Size (Kb) D 5 kb Resolution G 2 kb Resolution Н 5 kb Resolution 800 120 700 100 2,747 1,207 2,327 600 80 500 Count Count 400 60 300 40 HITAD 200 HiCExplorer 20 100 0 Ö 25 30 10 15 20 25 30 35 40

5 10 15 20

Genes Per TAD

Ó 5

Genes Per TAD