

Figure S1. Growth curve of *H. salinarum* under the conditions of optimum salt (4.3 M of NaCl) and low salt (2.6 M of NaCl).

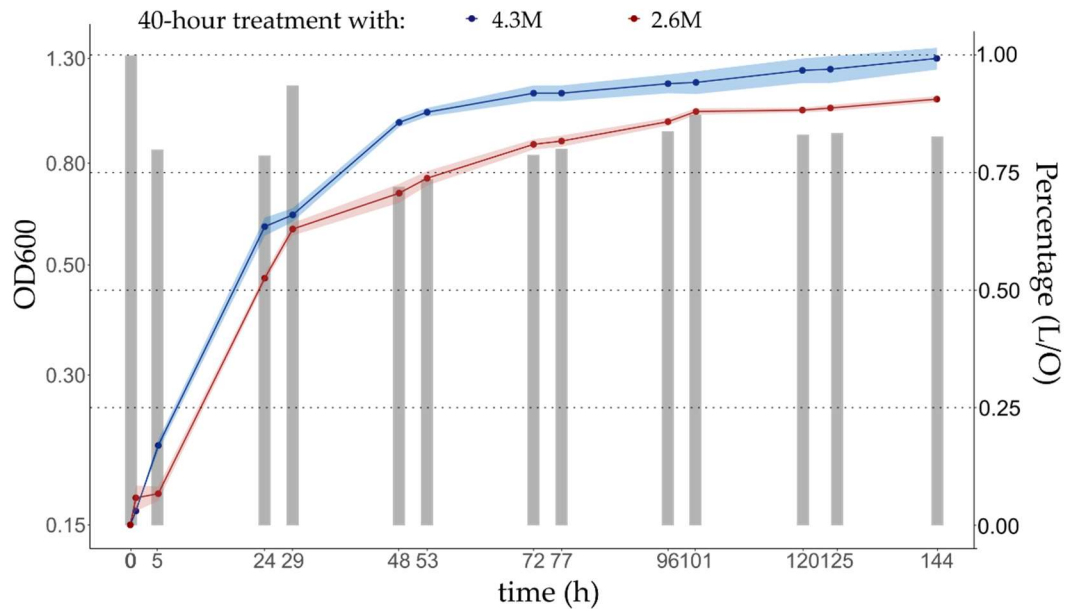


Figure S2. *H. salinarum* pre-inoculum after a 40-hour treatment with optimal or low salt medium. The right Y-axis represents the relative percentage of cells recovered from the low salt treatment.

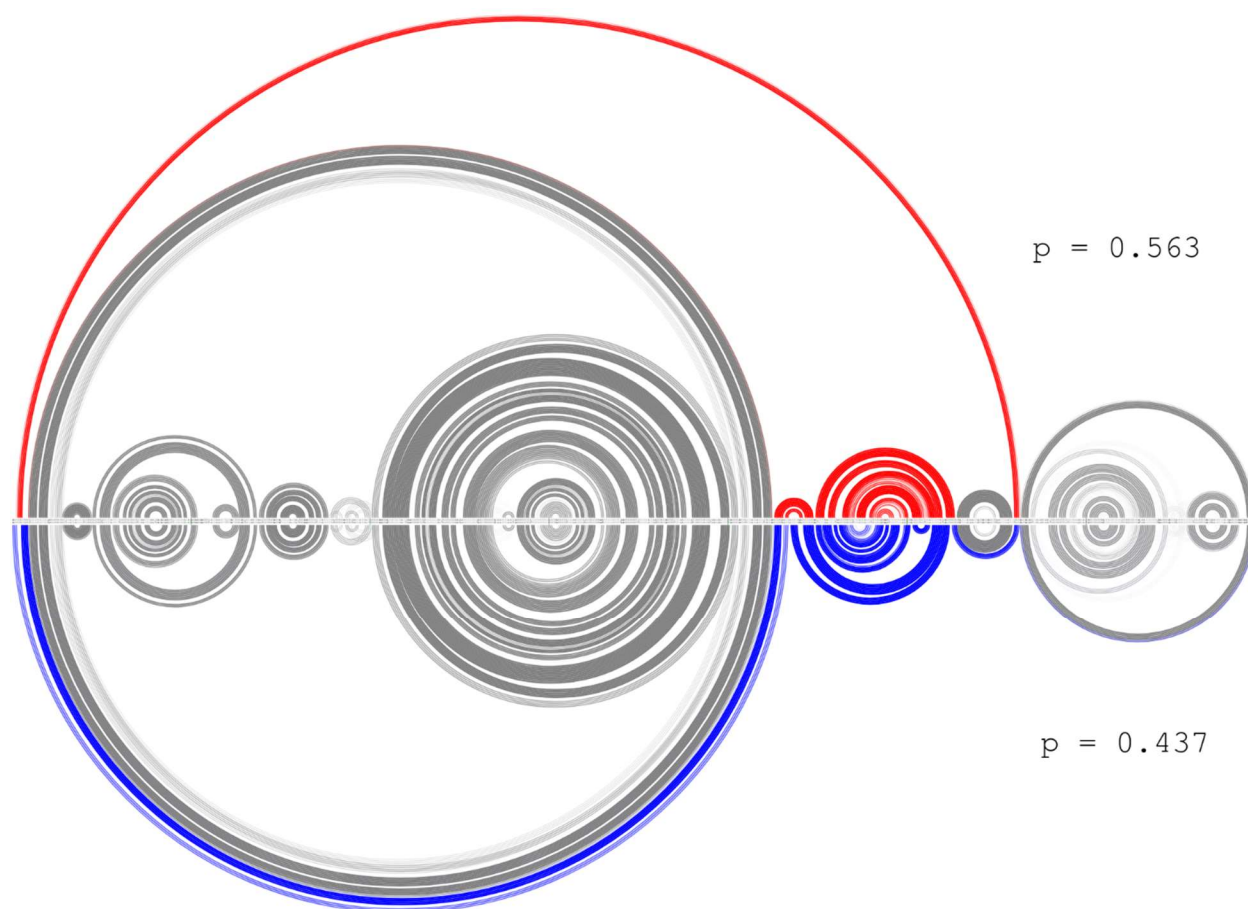


Figure S3. Predicted rainbow diagram of *rpl15e* representing the two thermodynamically stable predictions.

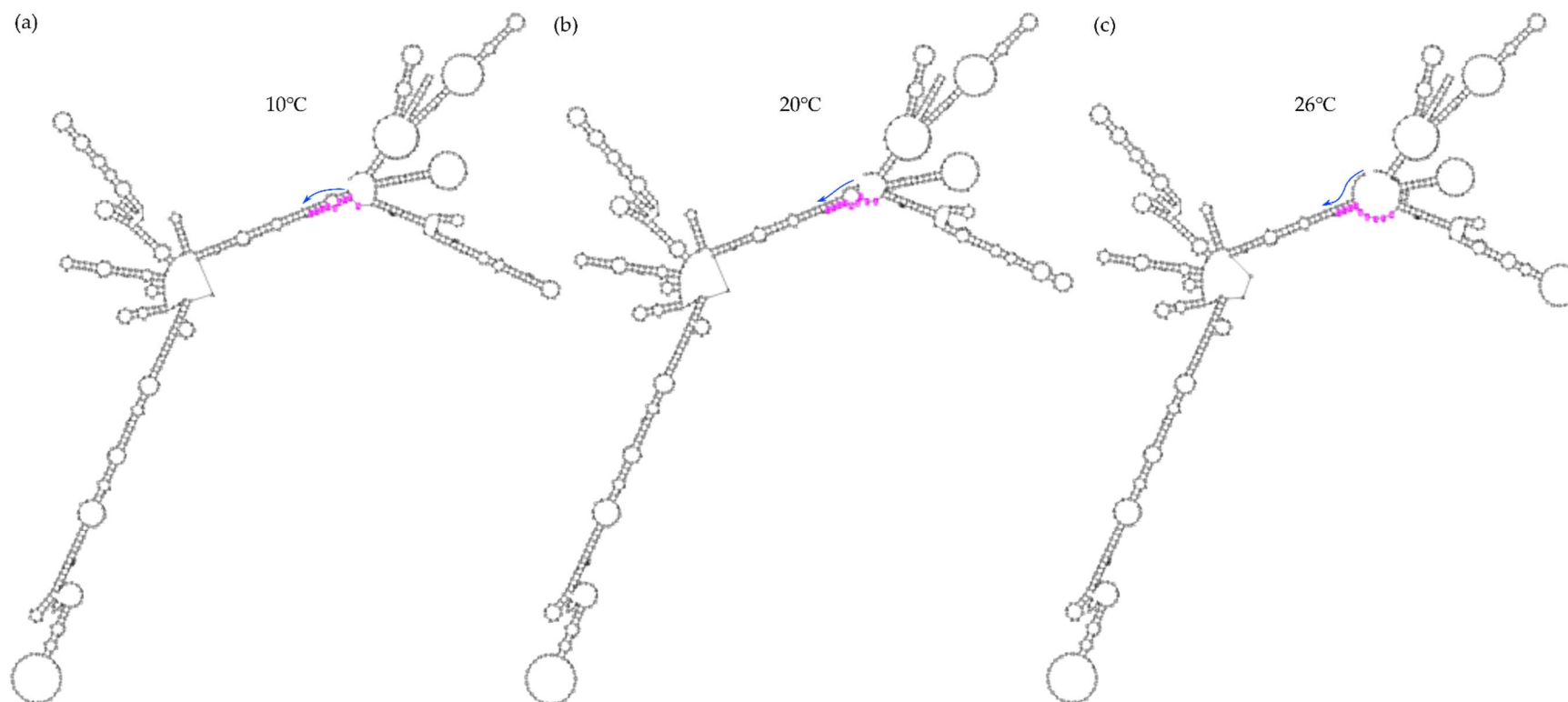


Figure S4. Emulation of different ionic environments predicting secondary structures of *rpl15e* by a temperature gradient. Blue arrow represents the beginning of the transcript and magenta nucleotides represent TPS upstream sequence. (a) Structure at 10°C (b) 20°C (c) 26°C (d) 28°C (e) 30°C (f) 36°C (g) 46°C (h) 60°C (i) 77°C.

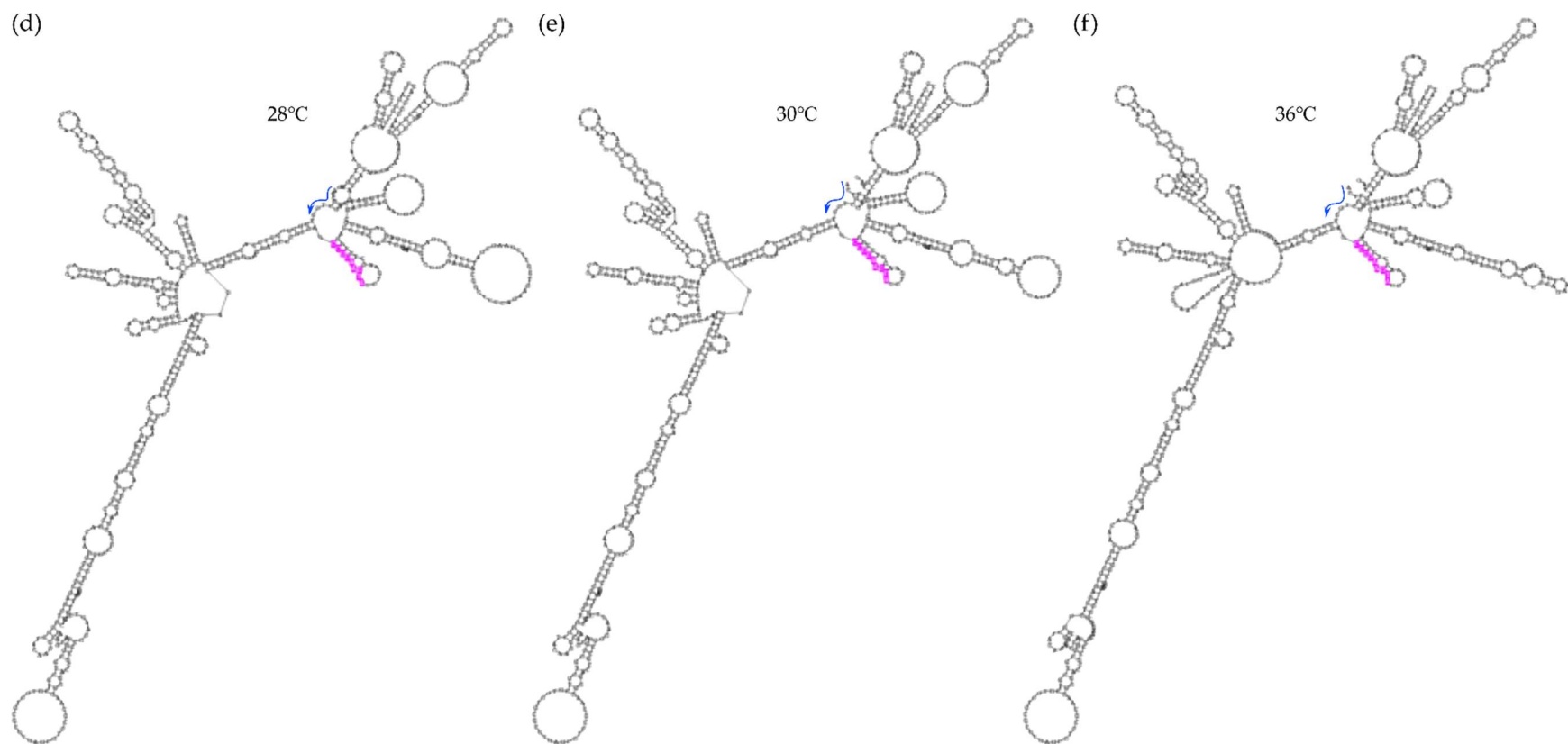


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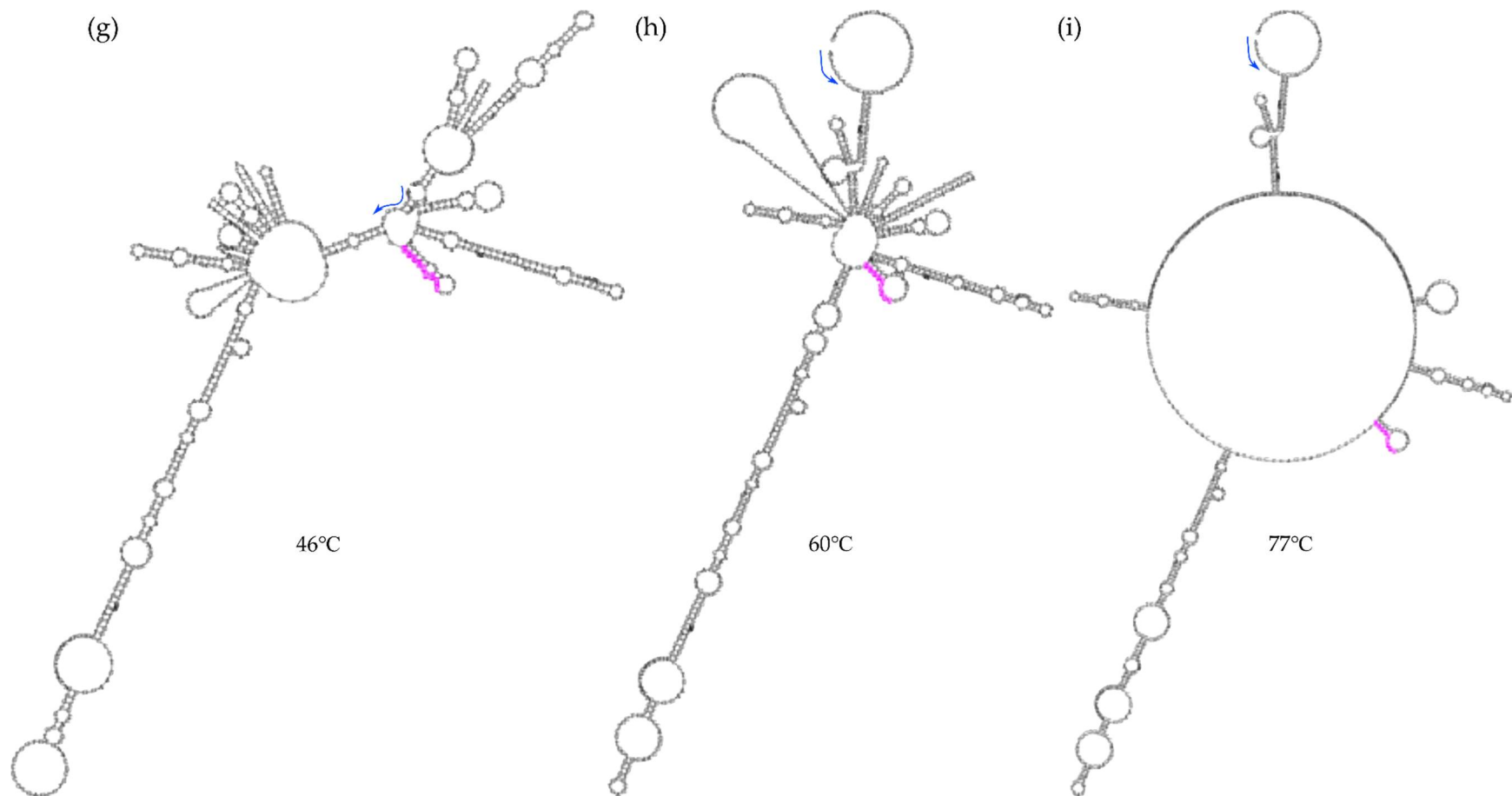


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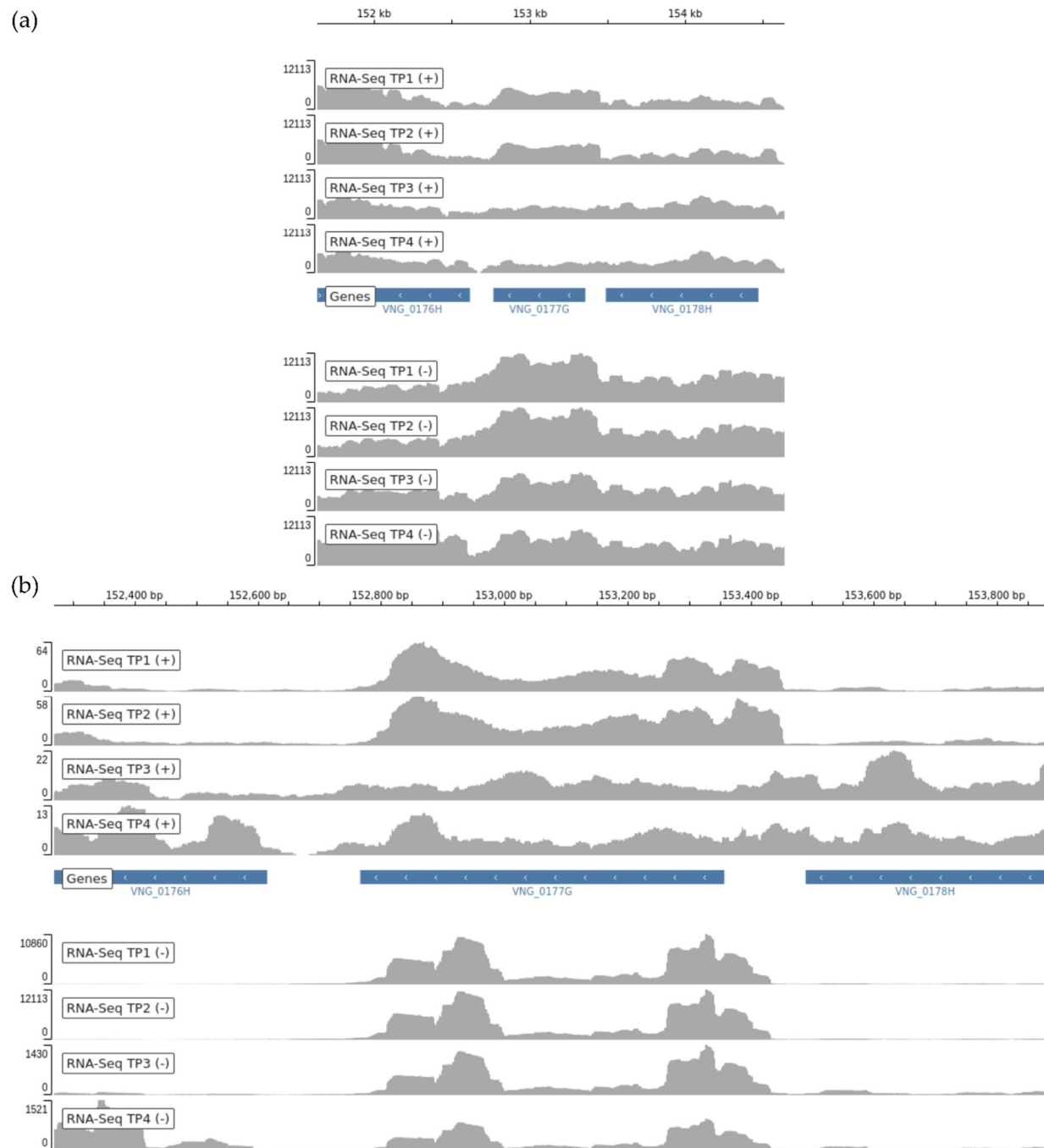


Figure S5. Coverage of VNG_0177G (*rpl15e*) region in RNA-seq experiments from different growth phases. TP1: early exponential growth phase; TP2: mid-exponential growth phase; TP4: stationary phase. (a) Fixed data range (b) Data range relative to each track.