

Fig. S1A

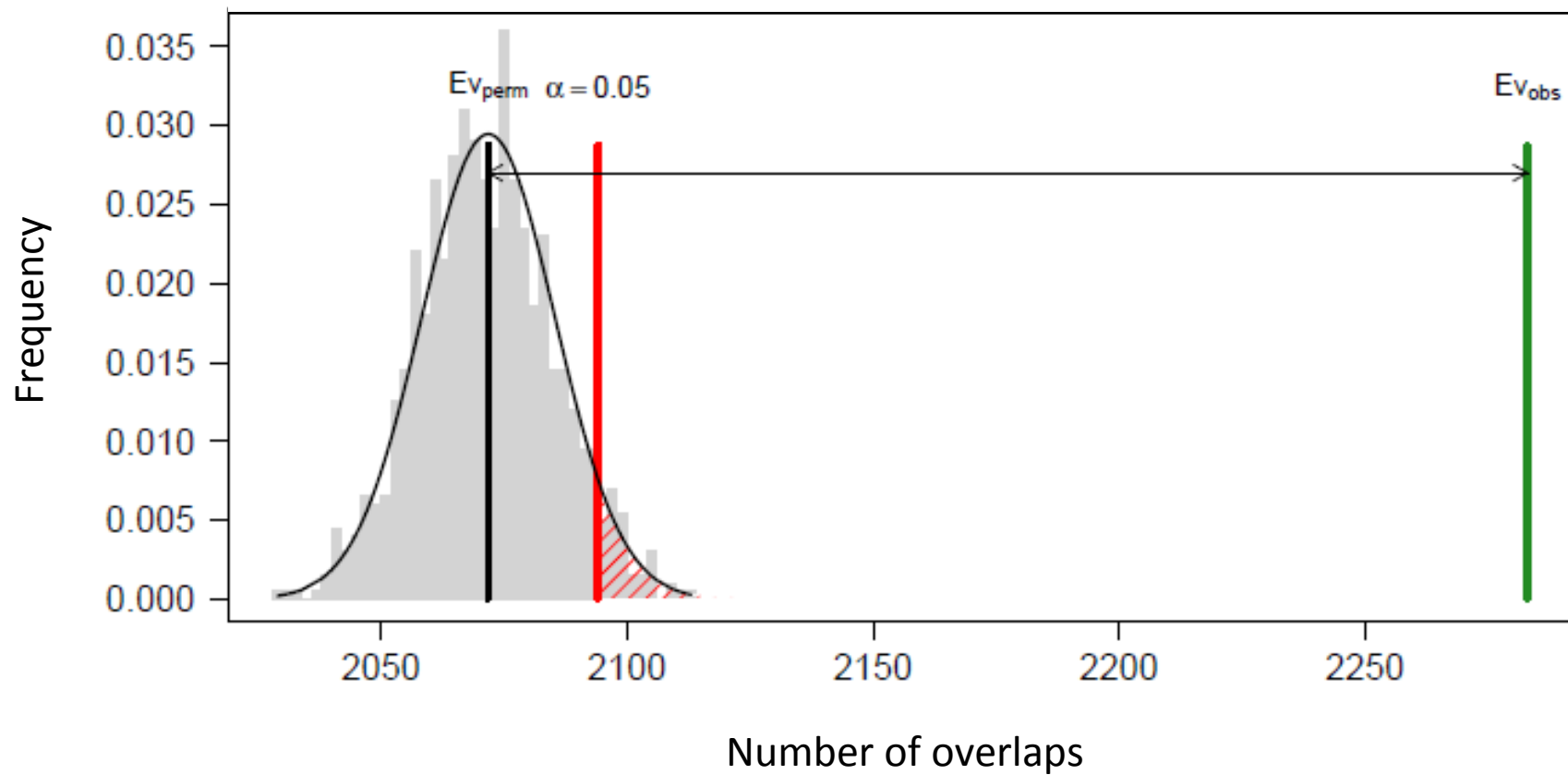


Fig. S1B

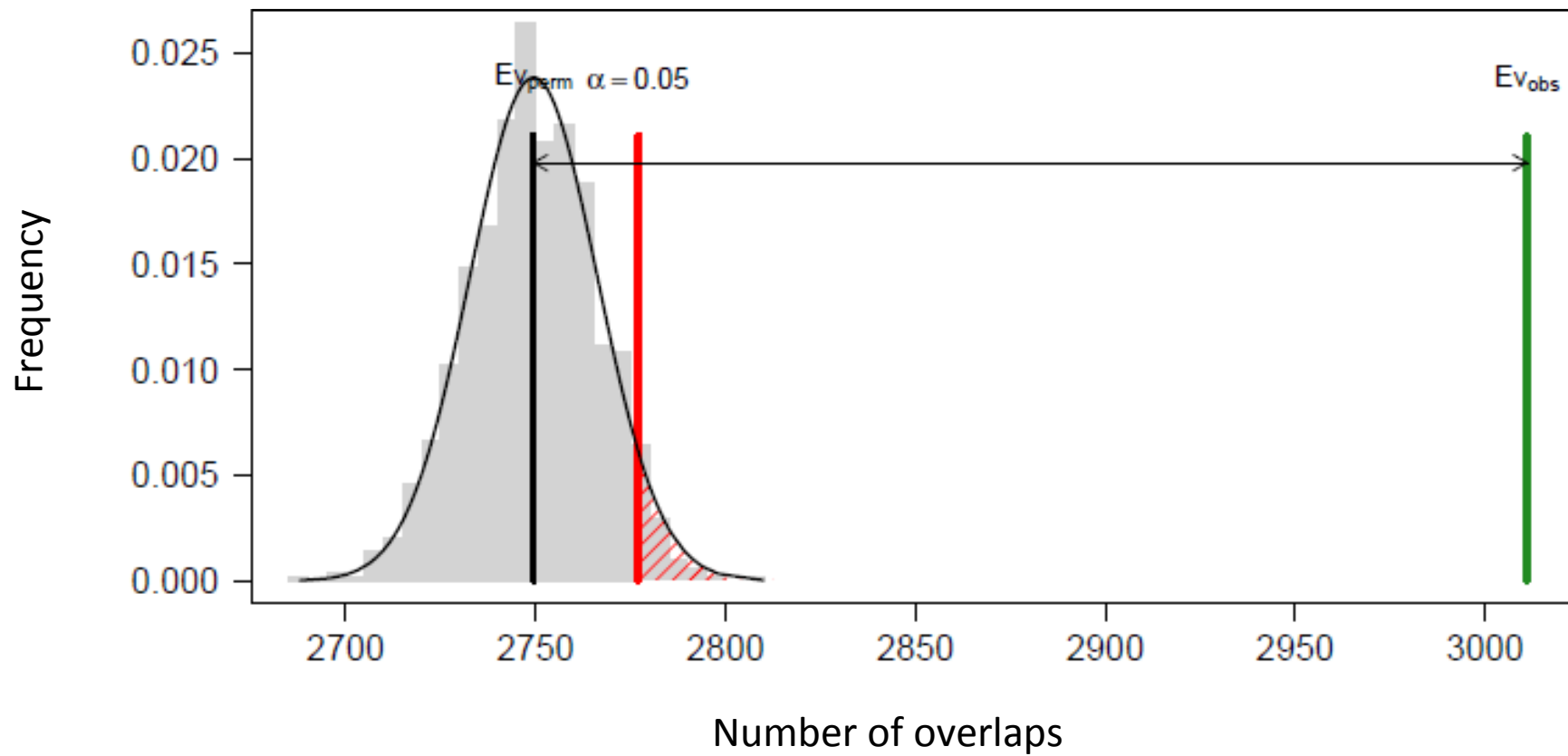
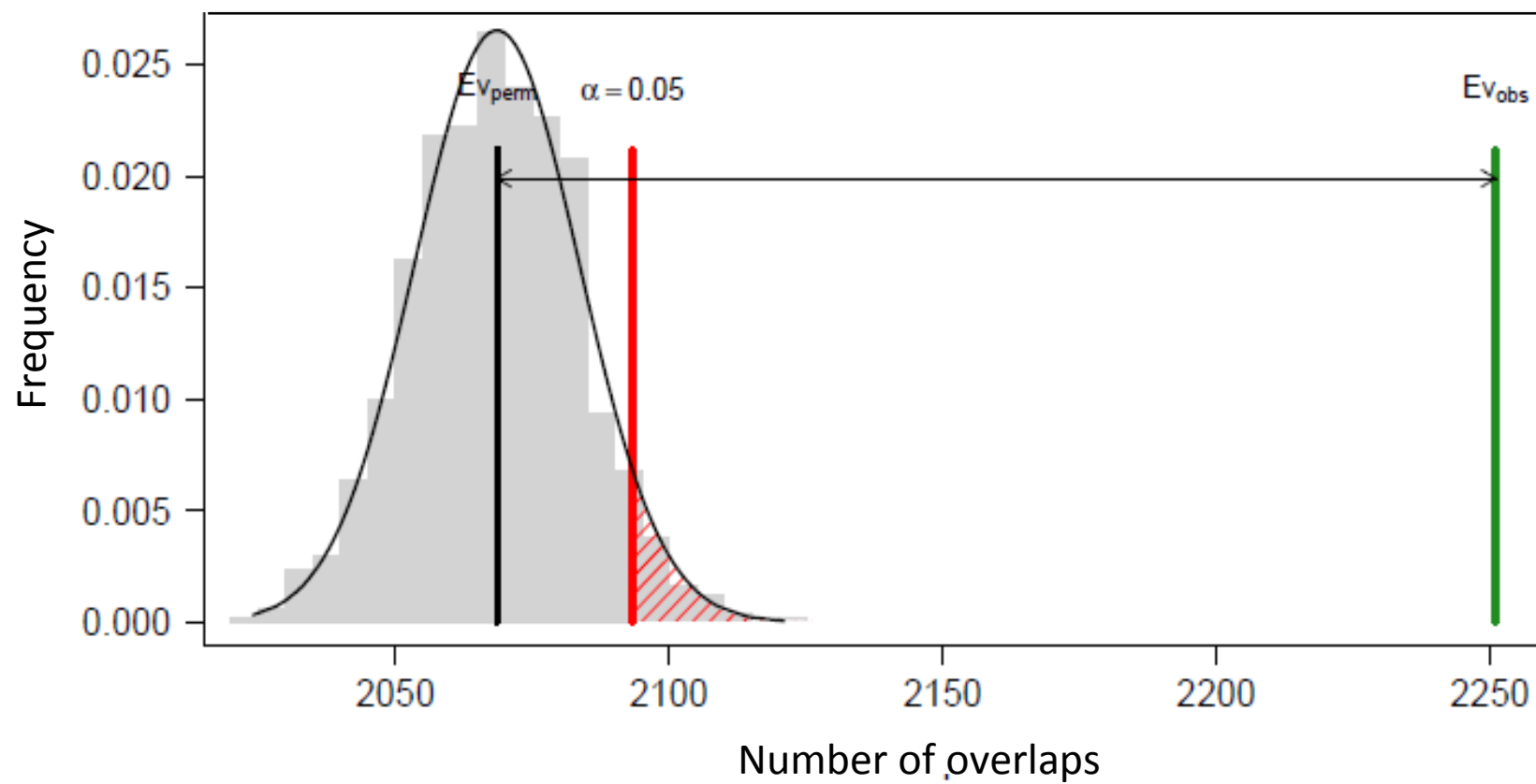
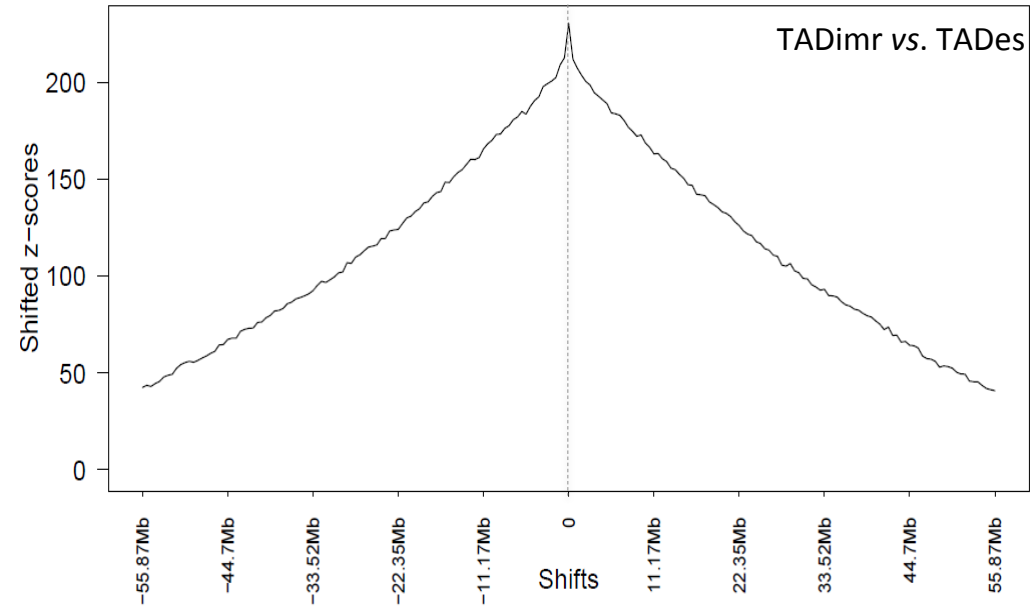


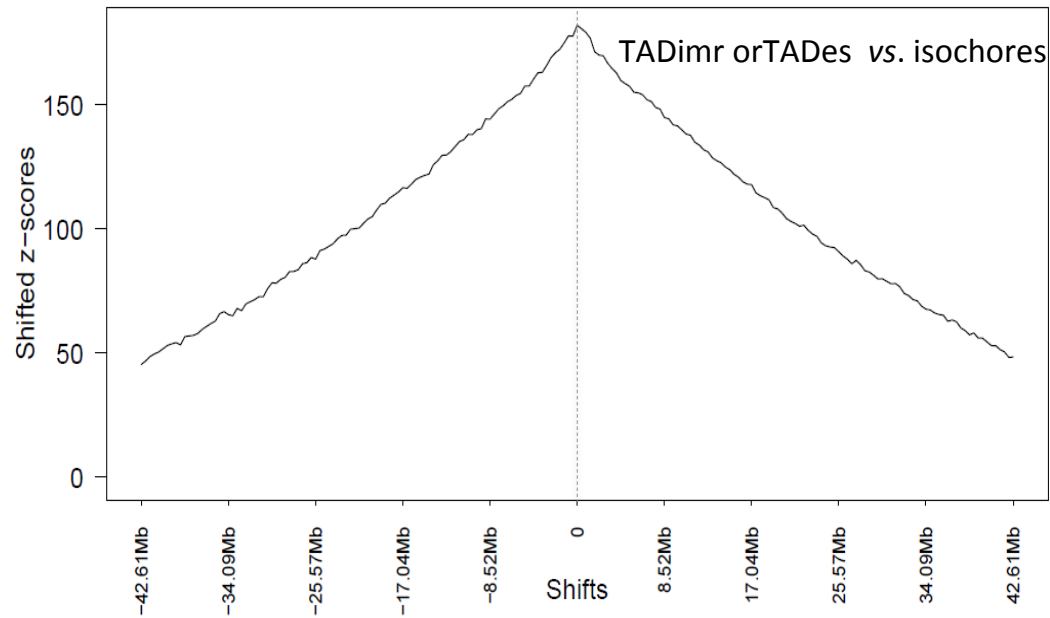


Fig. S1C





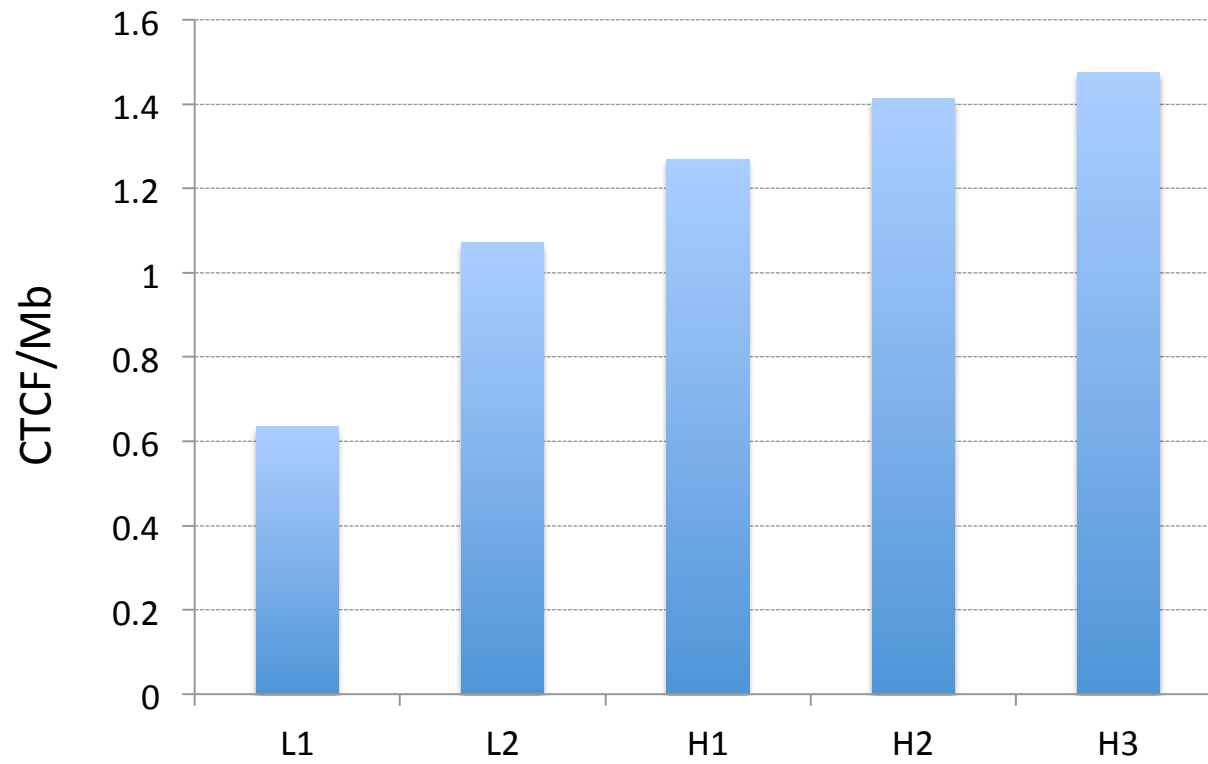
(A)

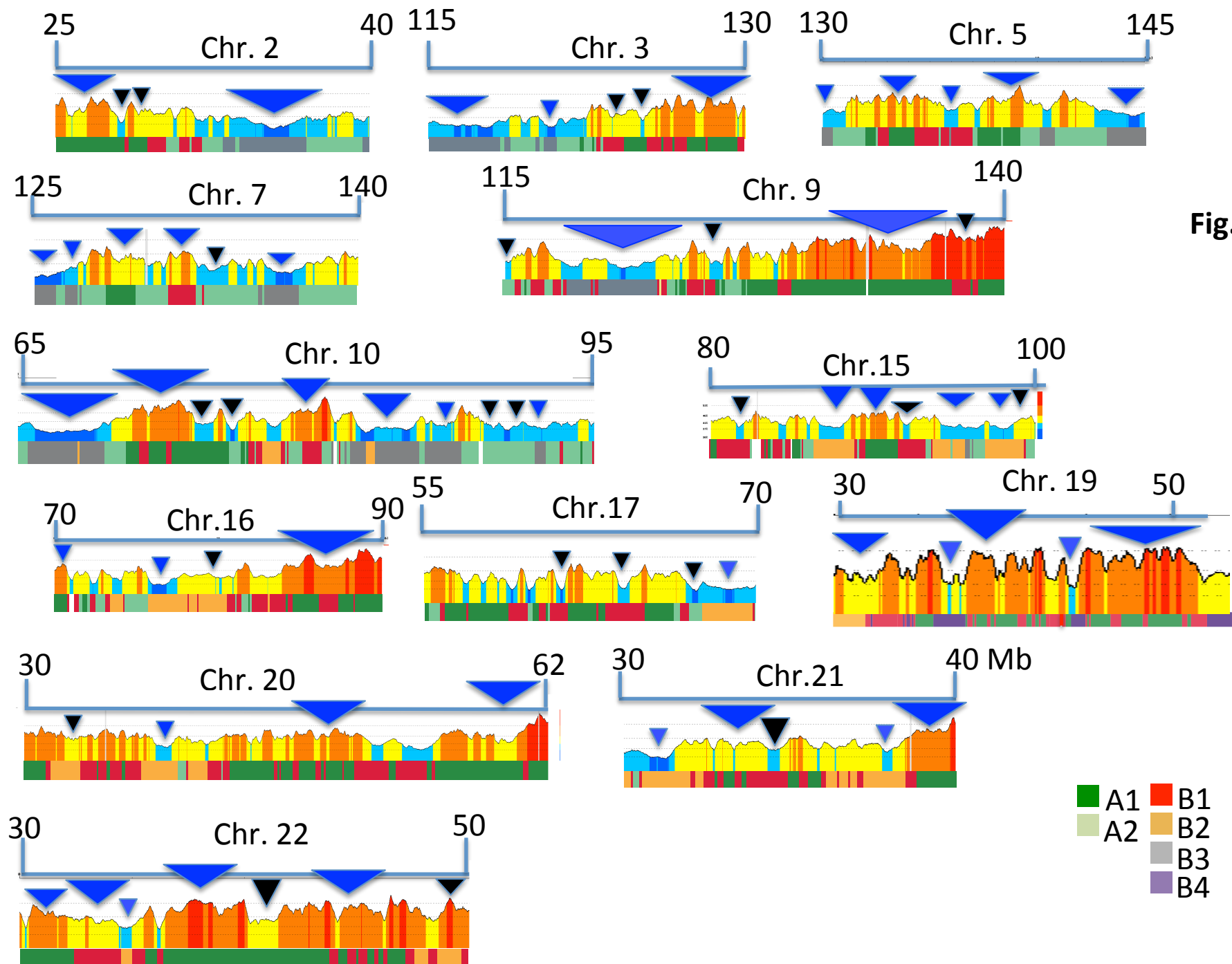


(B)

Fig. S2

**Fig. S3**





**Fig. S4**

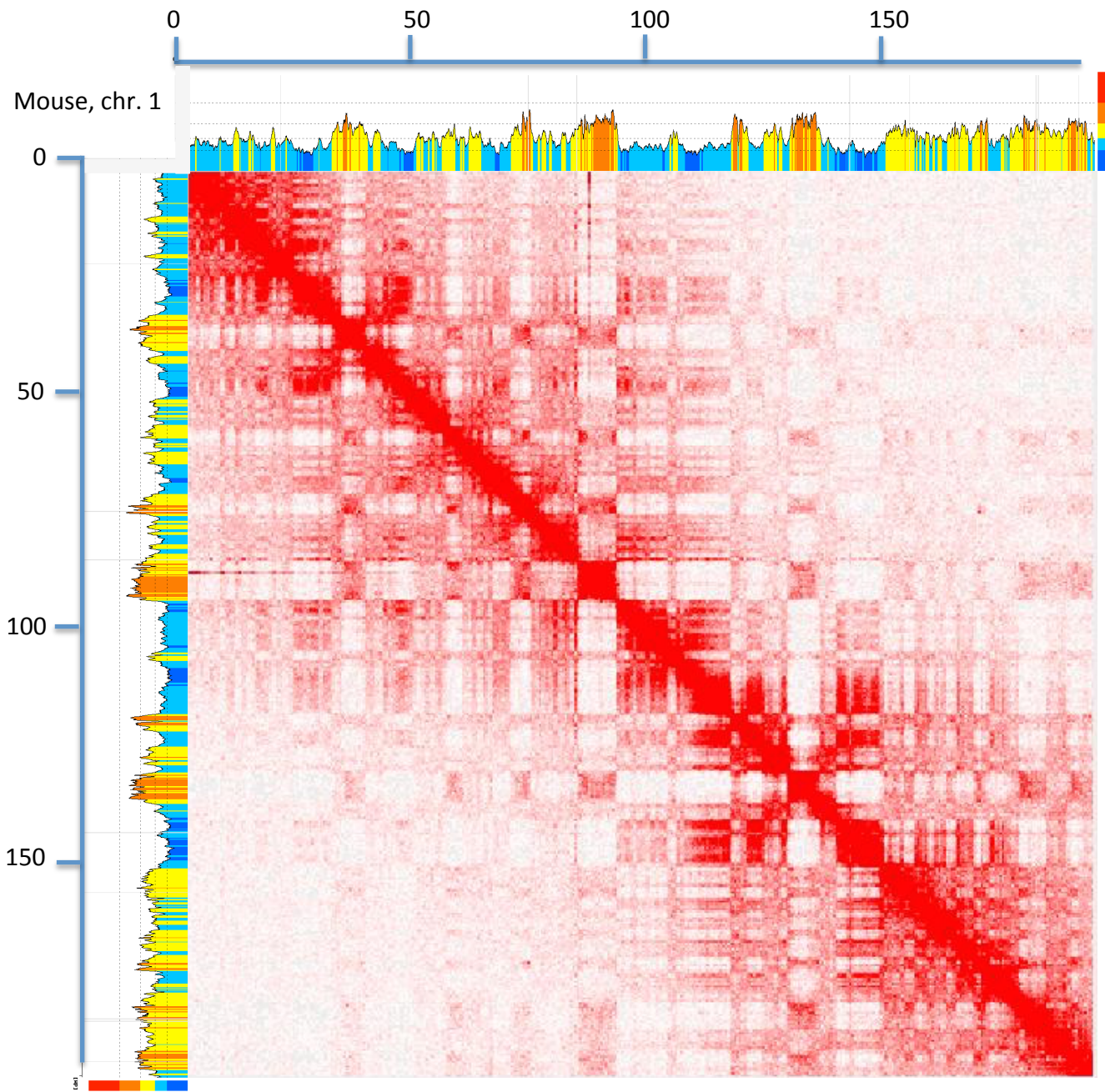
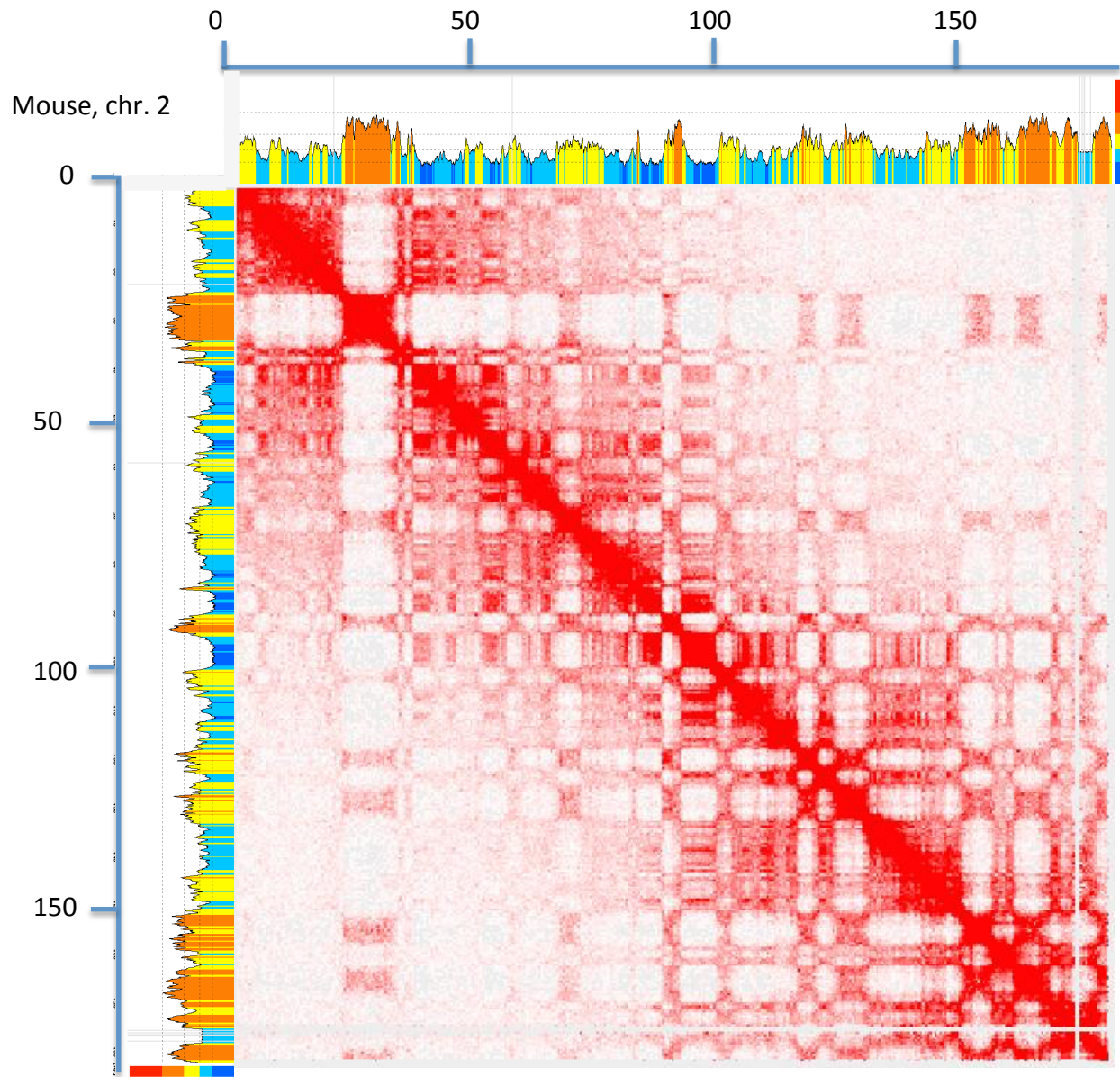
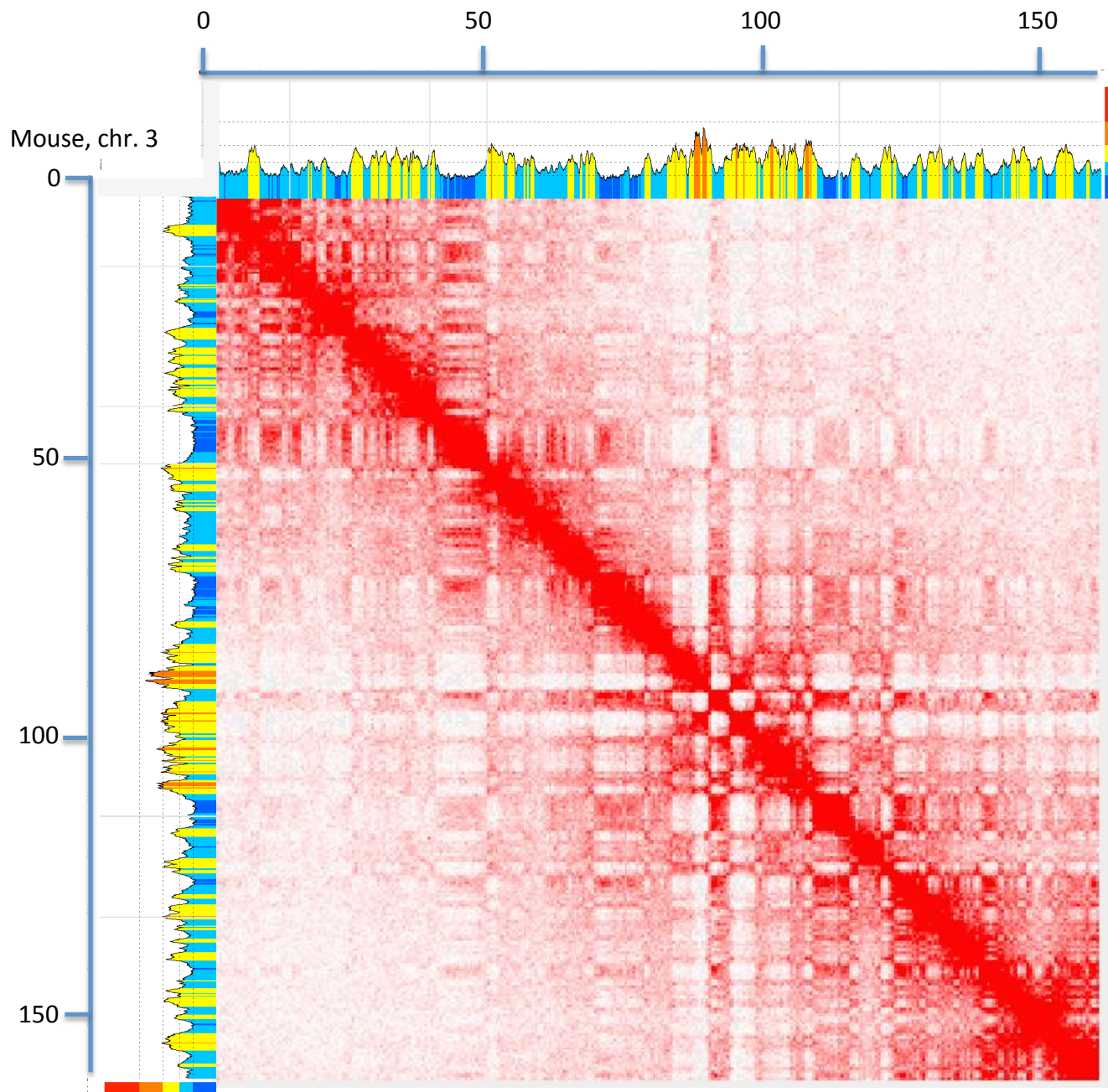


Fig. S5

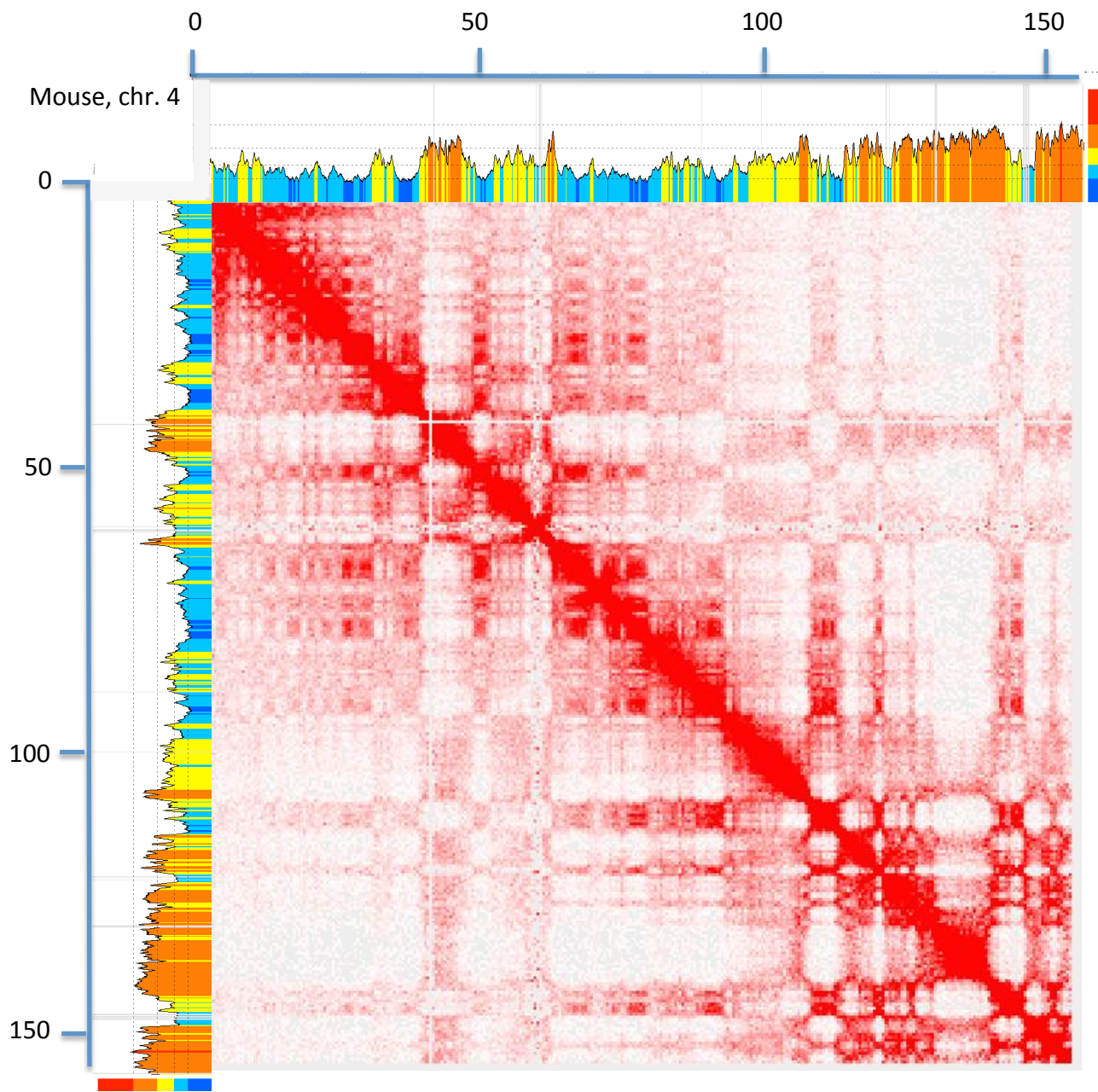


**Fig. S6**



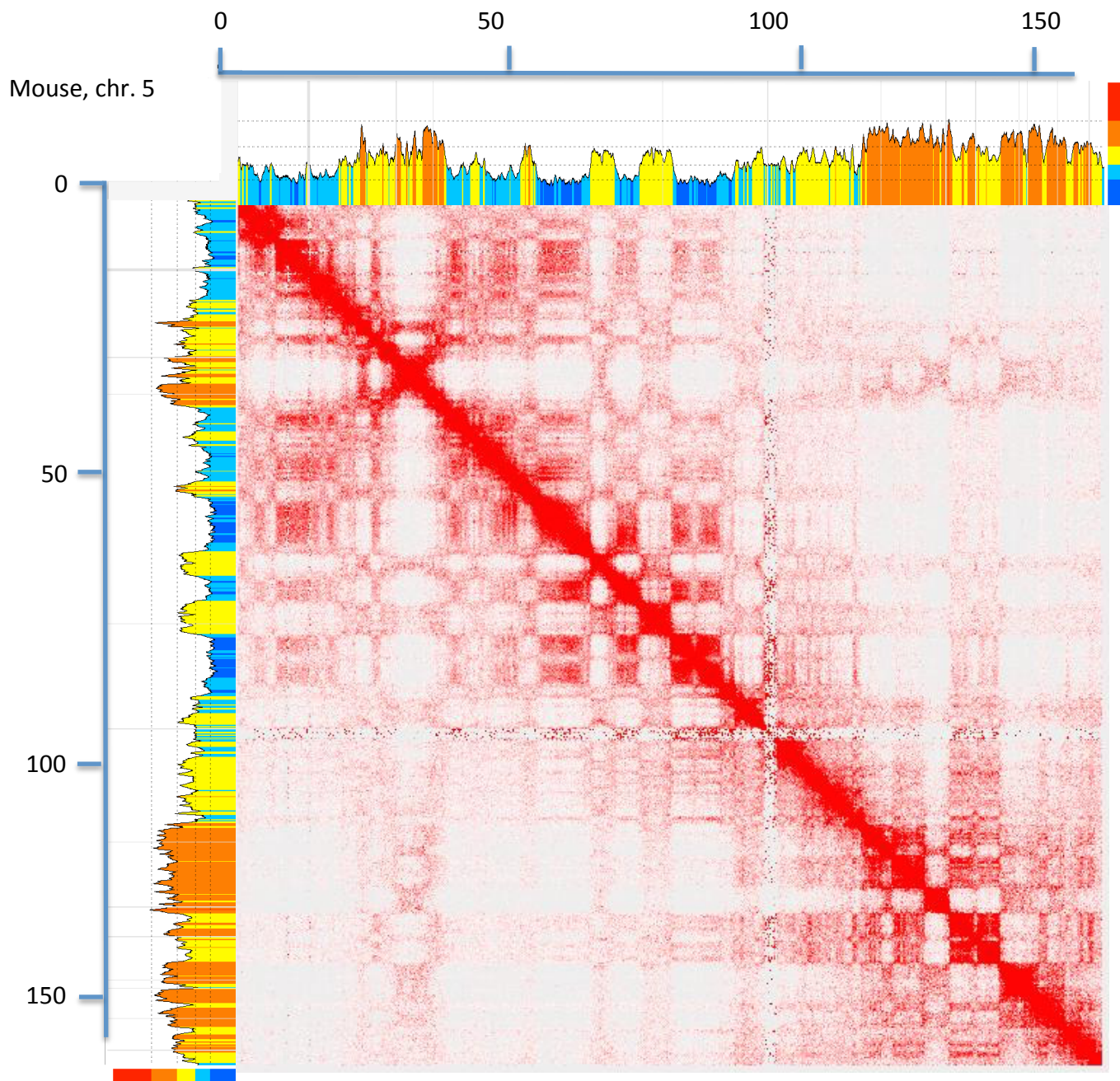


**Fig. S7**

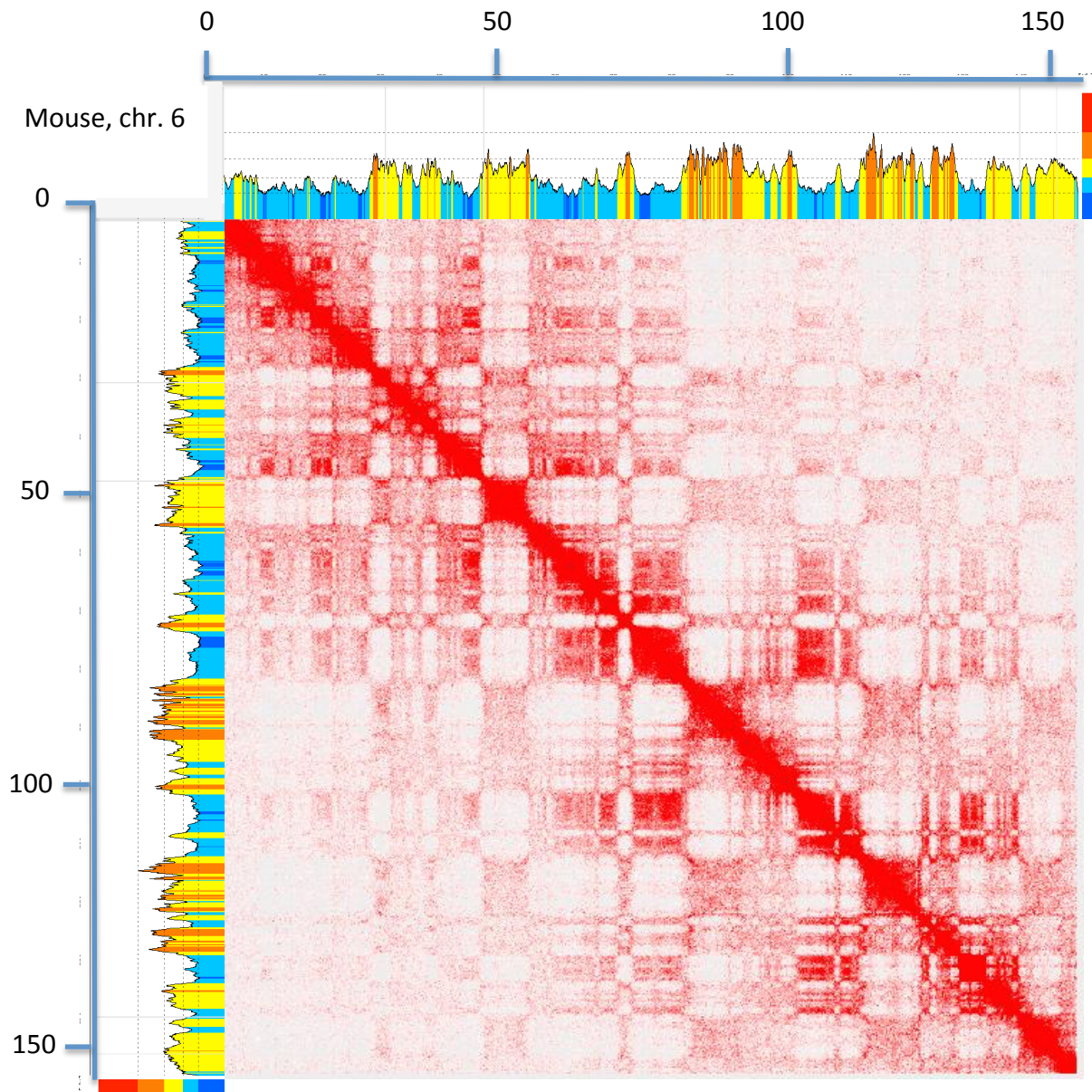


**Fig. S8**



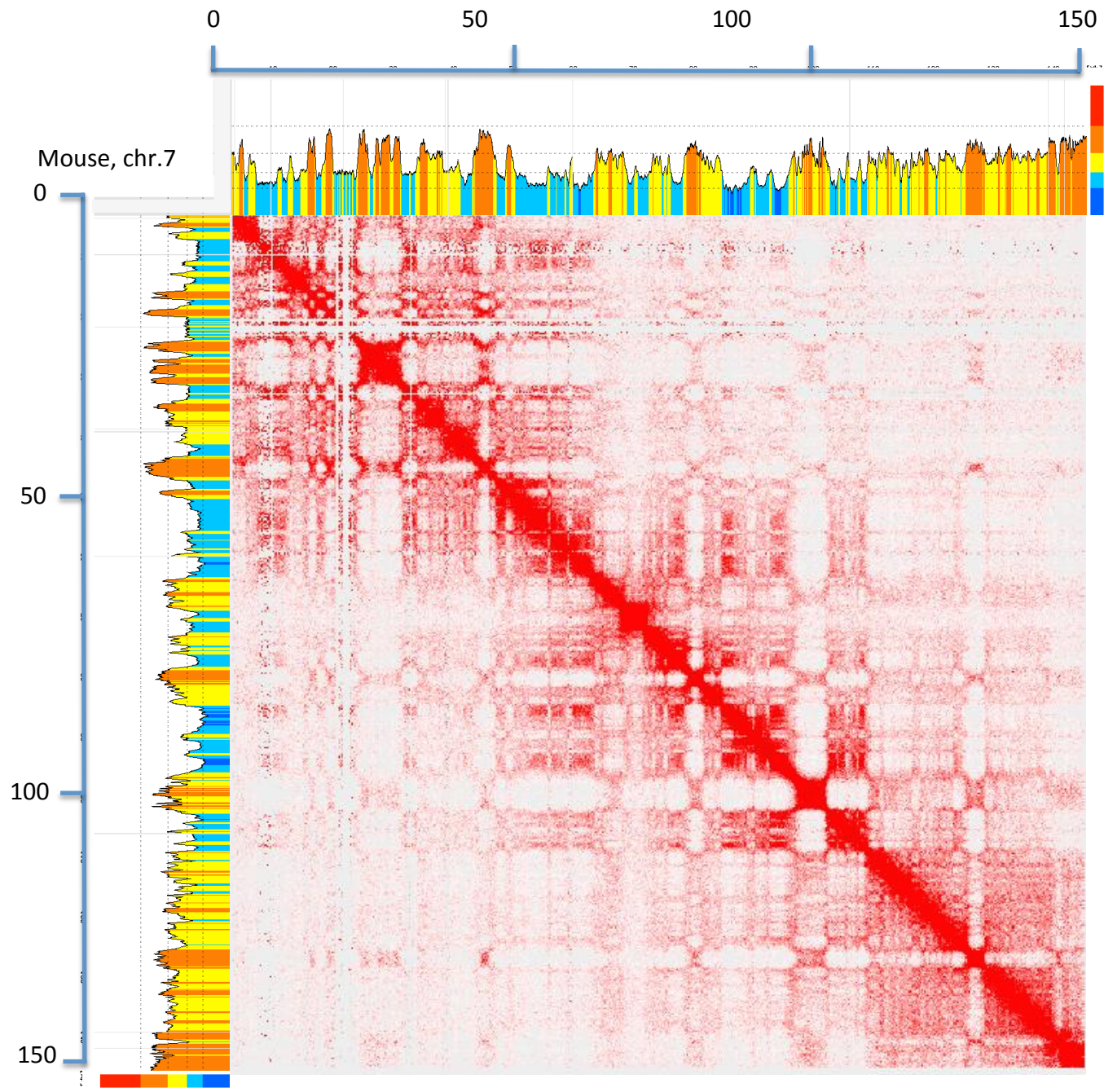


**Fig. S9**

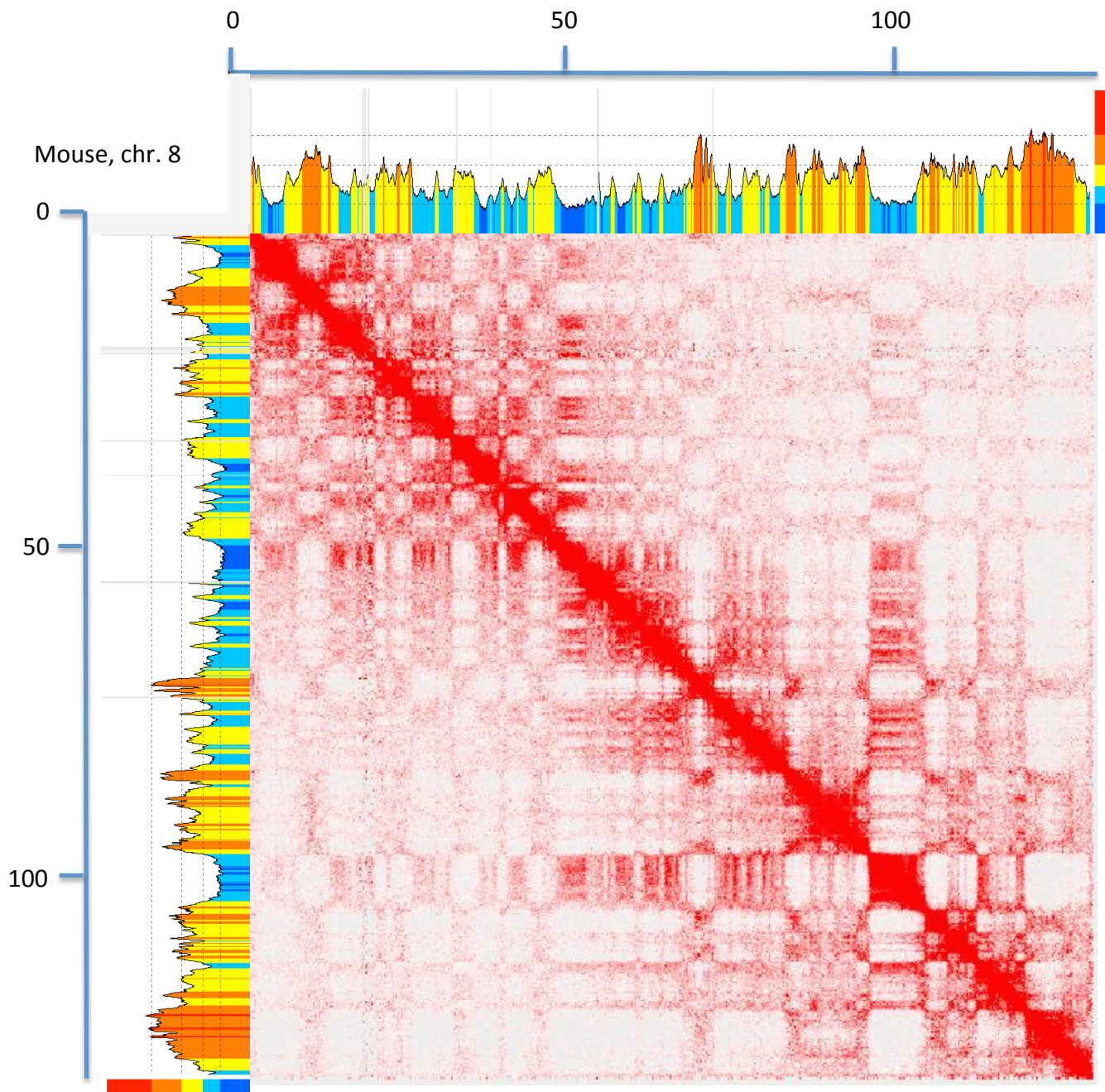


**Fig. S10**



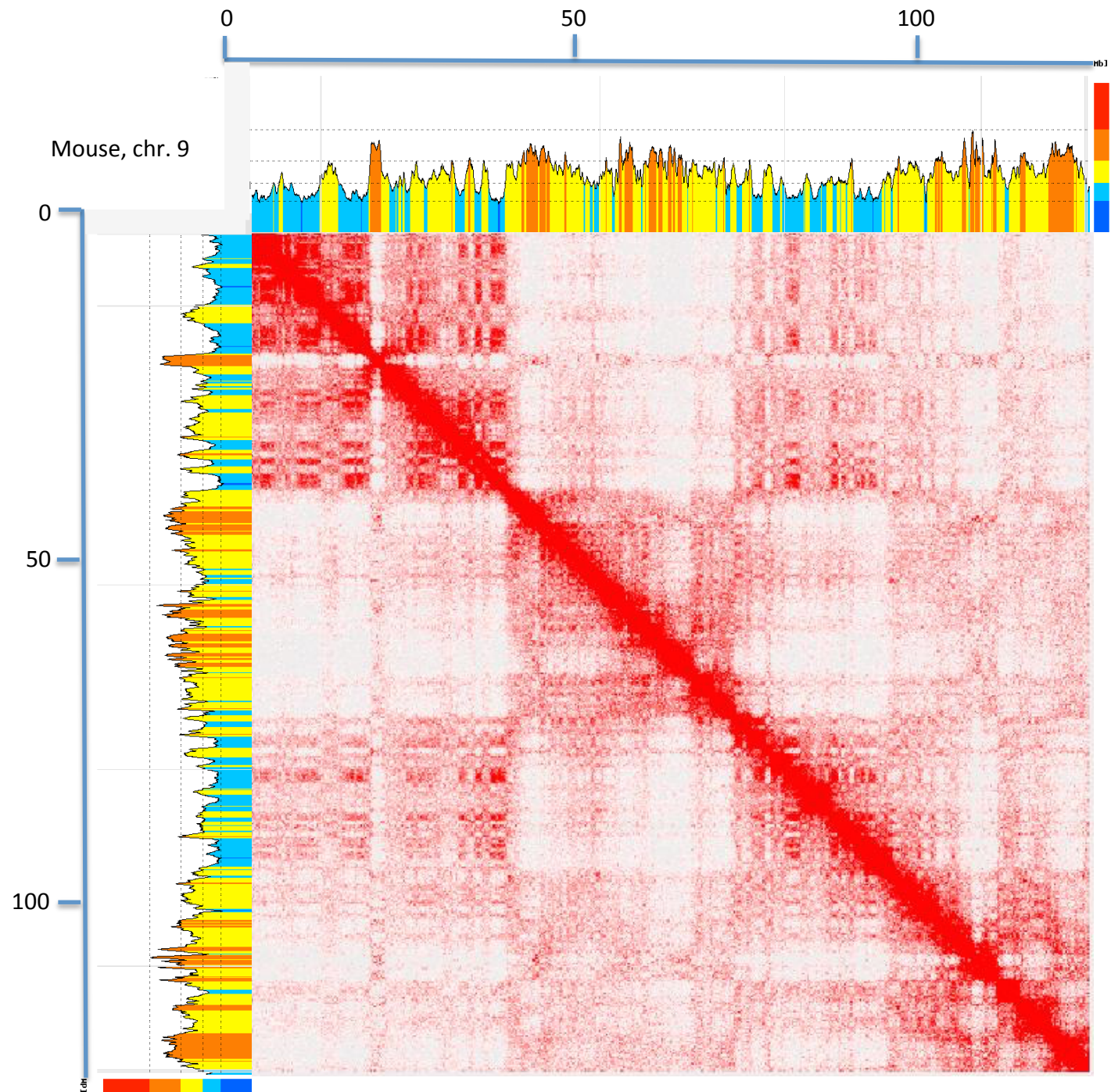


**Fig. S11**



**Fig. S12**





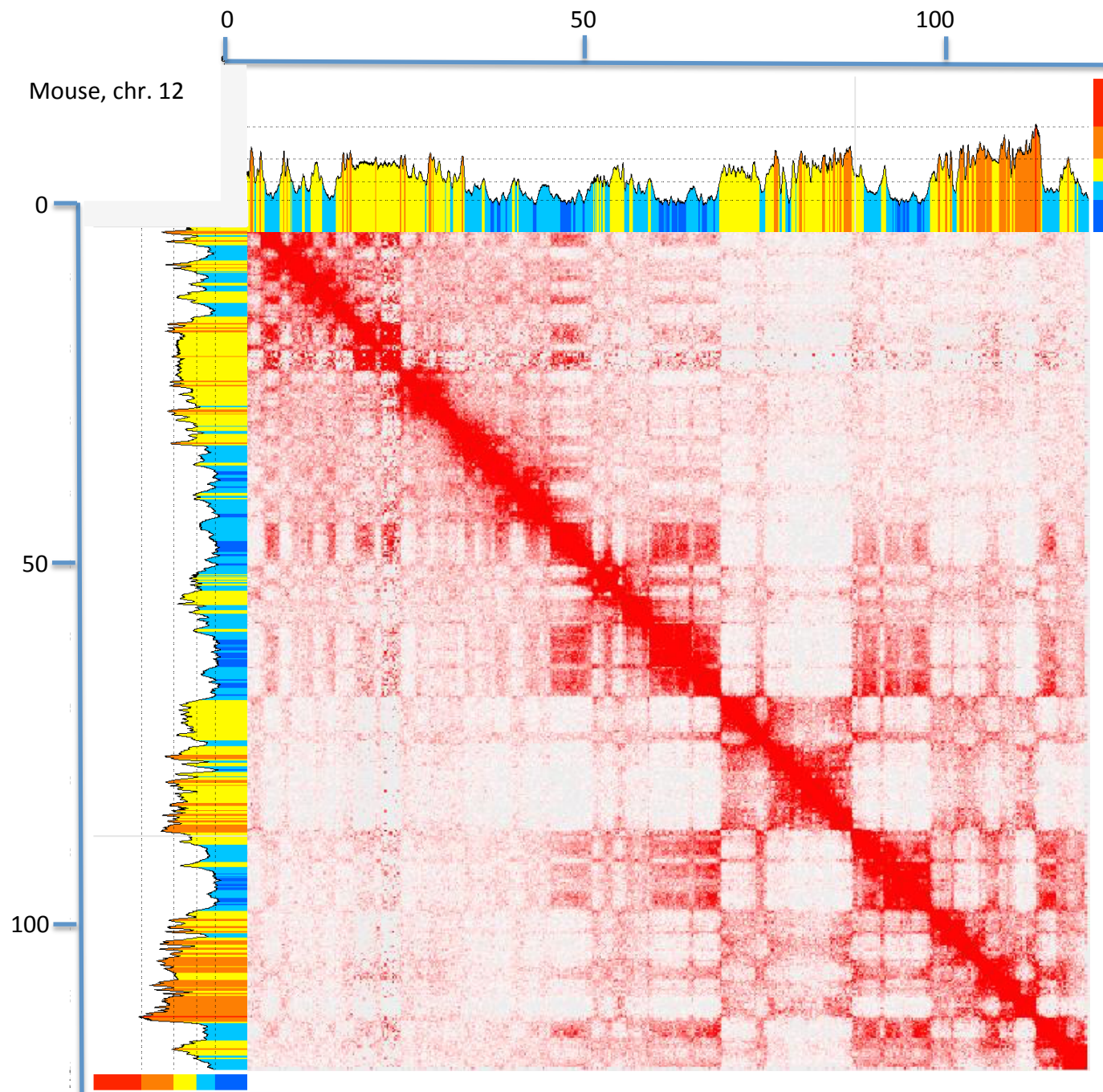
**Fig. S13**





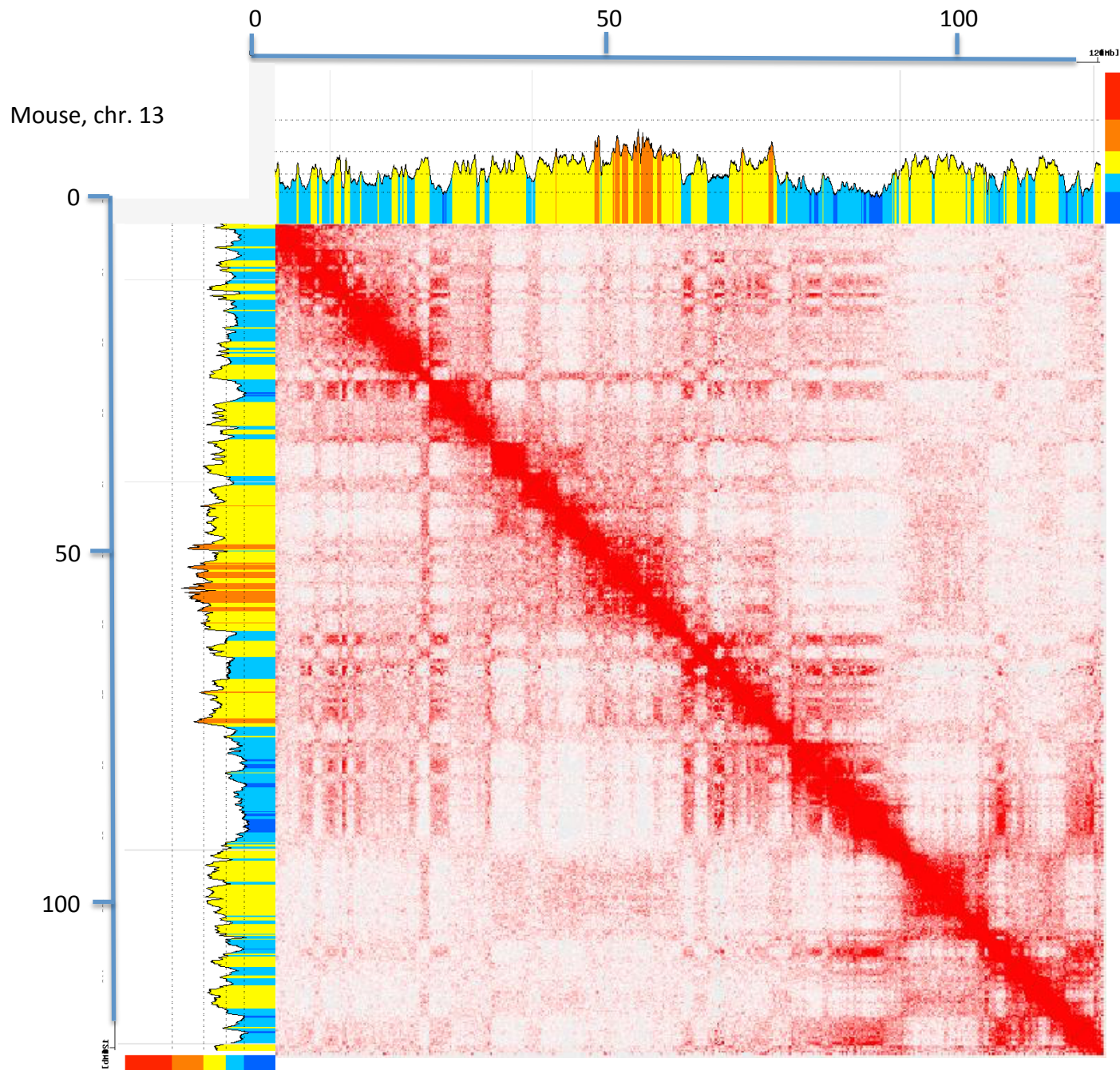




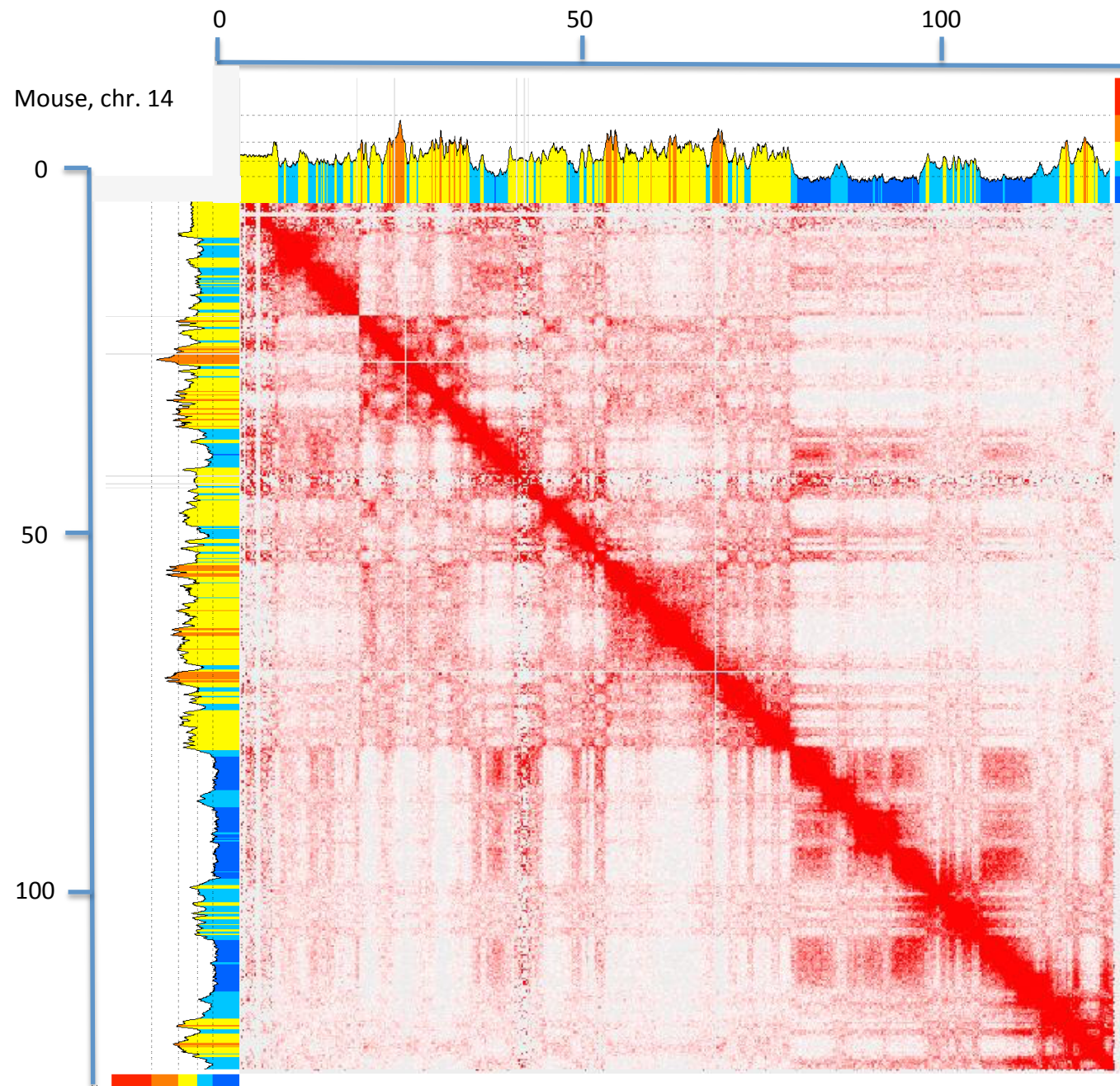


**Fig. S16**



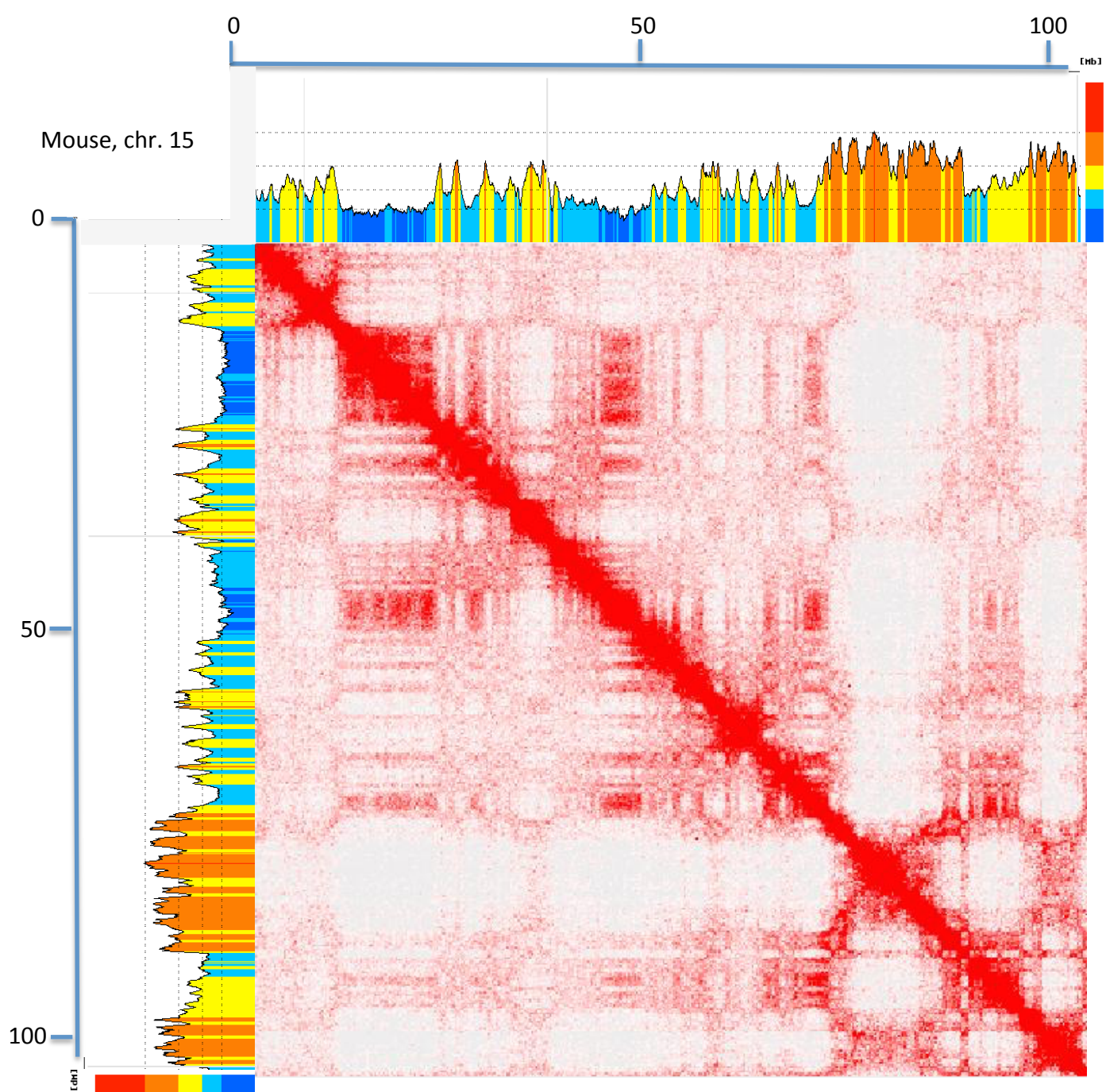


**Fig. S17**

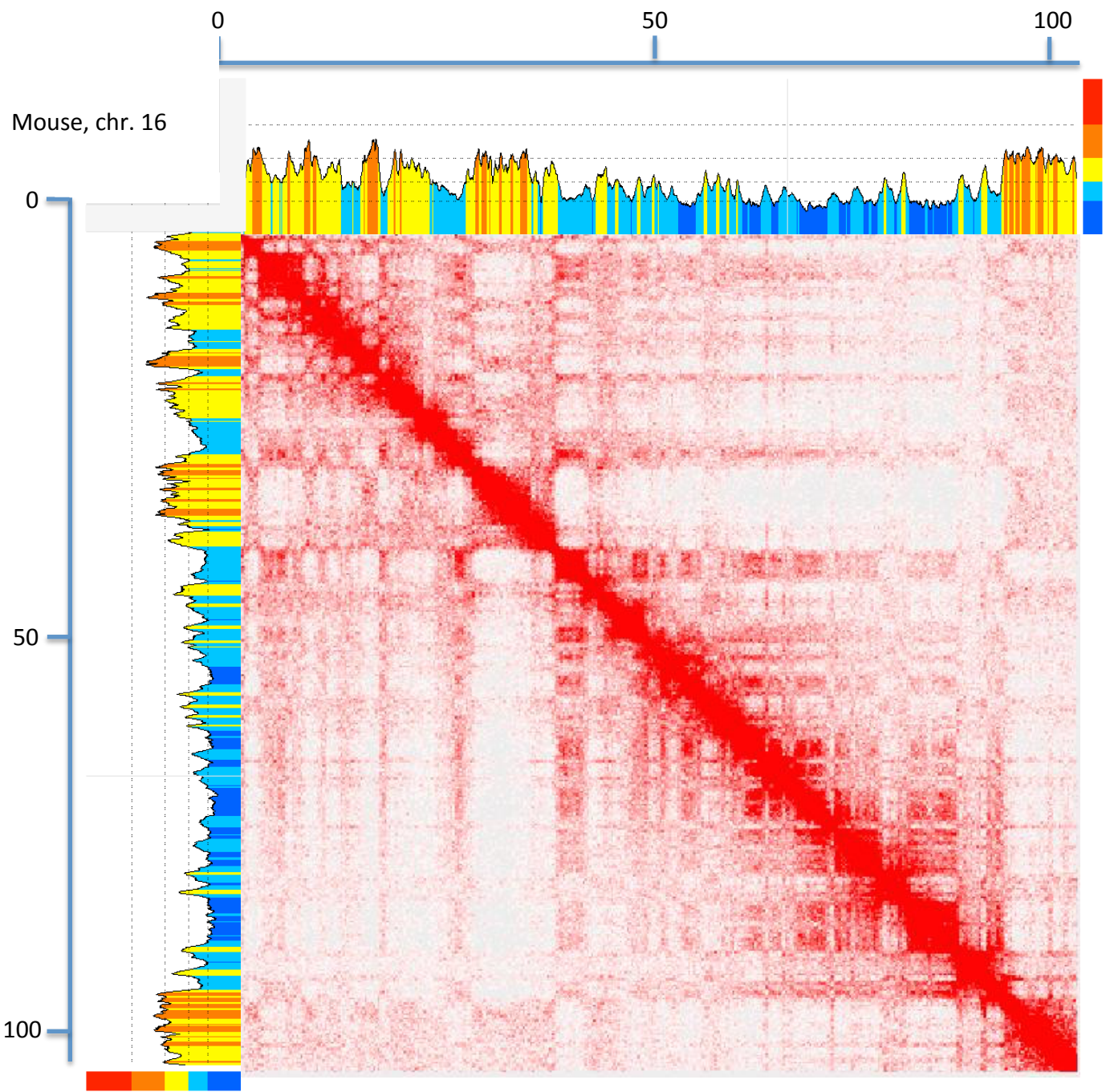


**Fig. S18**





**Fig. S19**





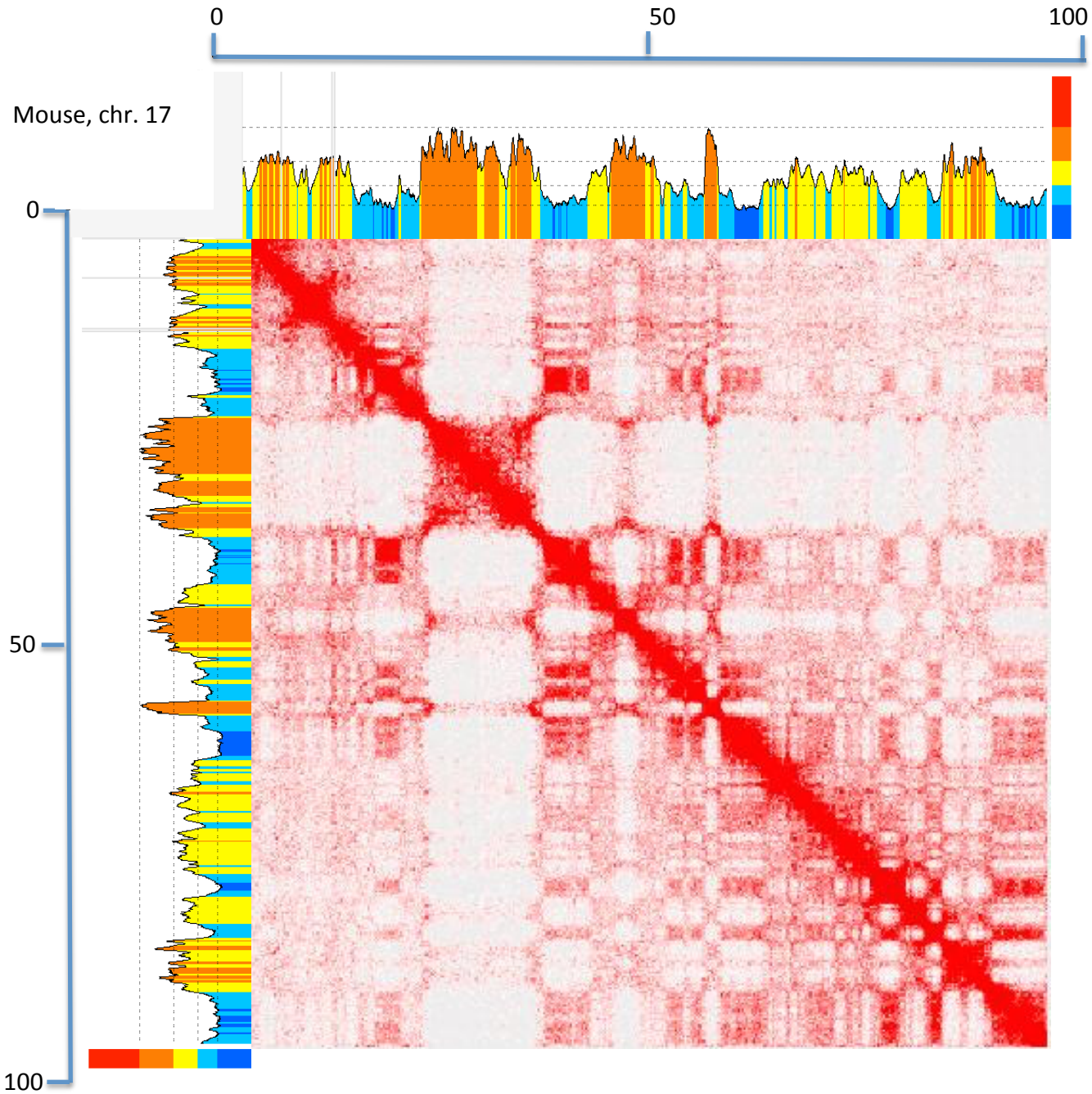


Fig. S21

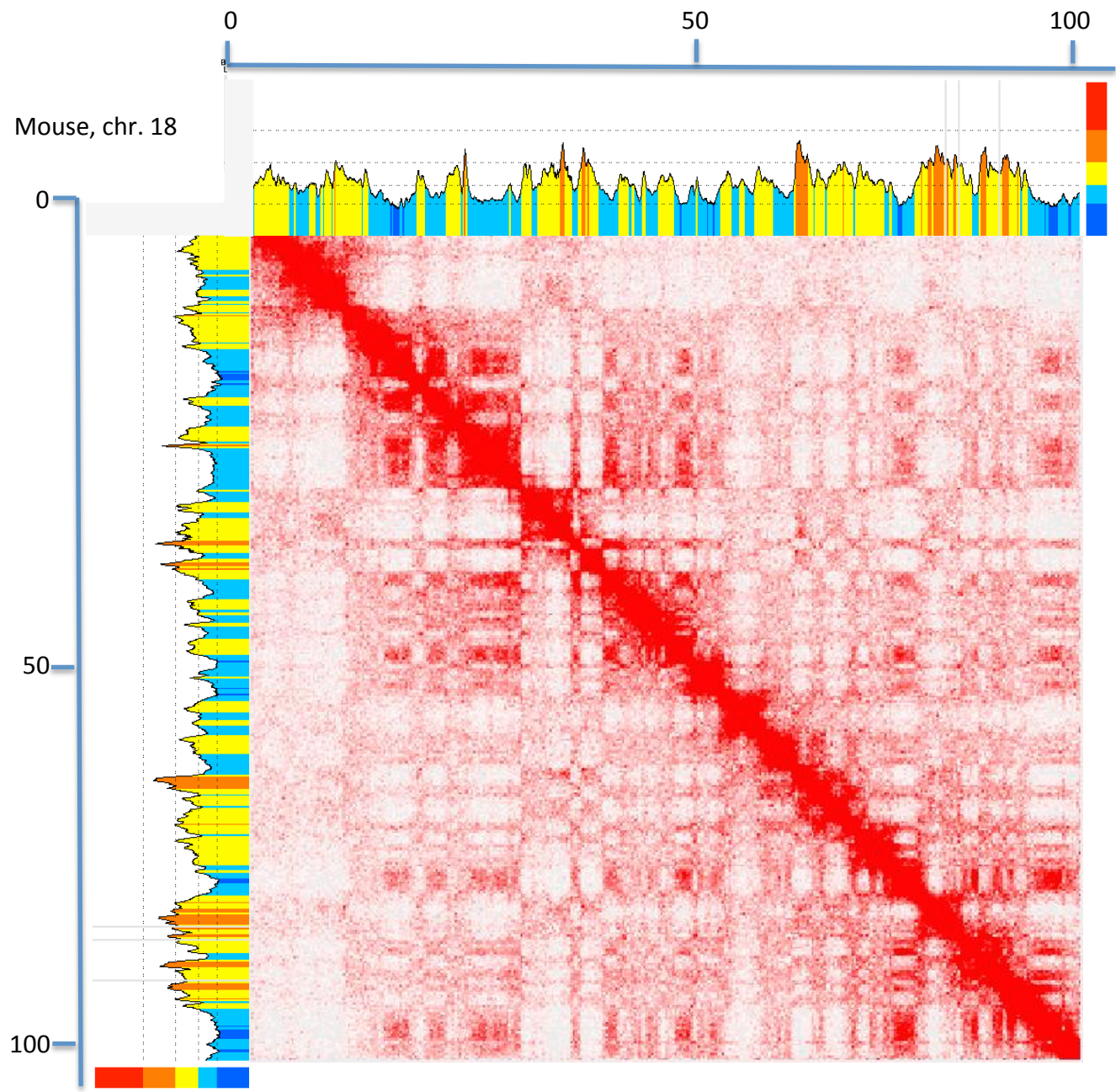


Fig. S22



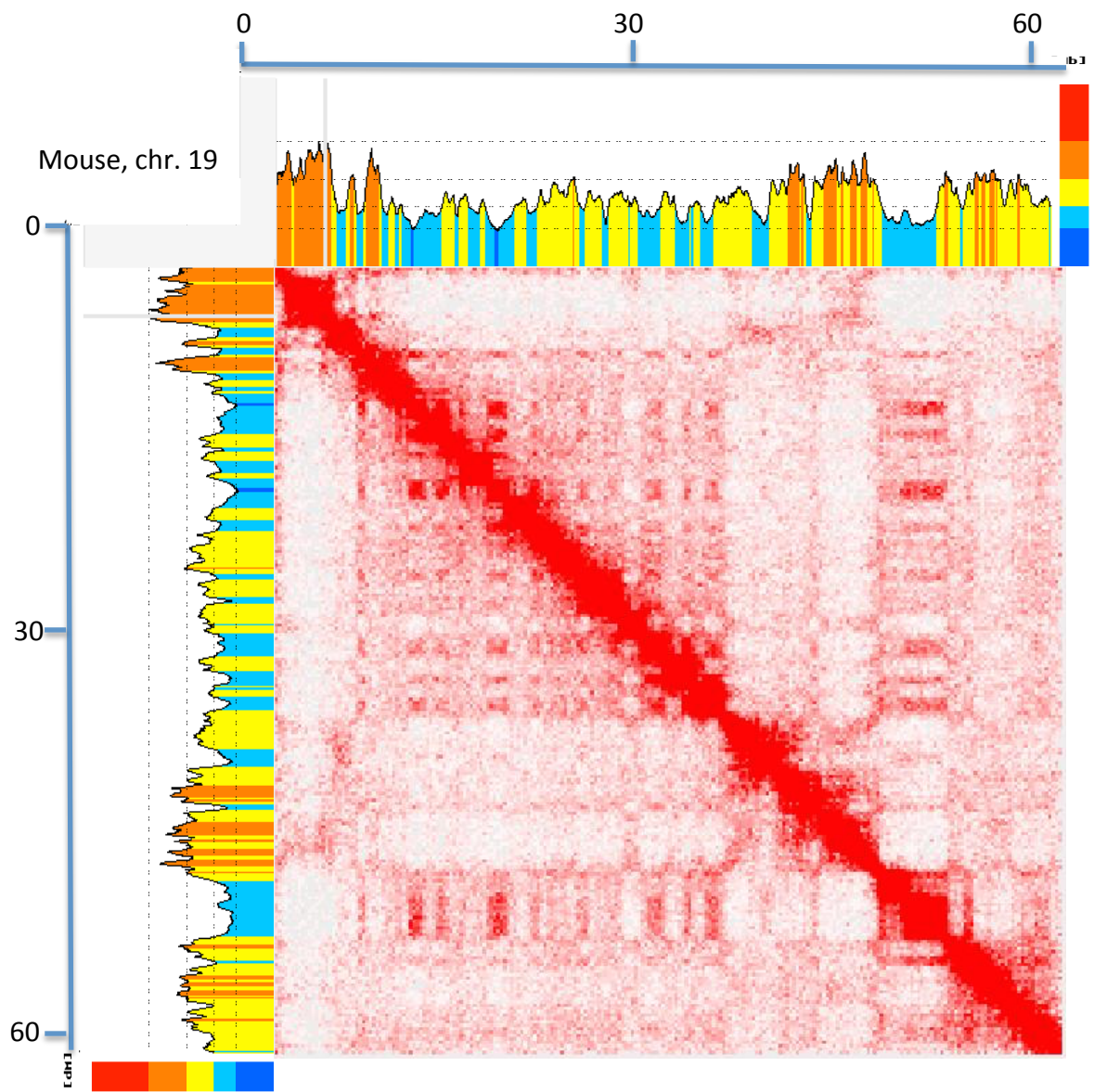
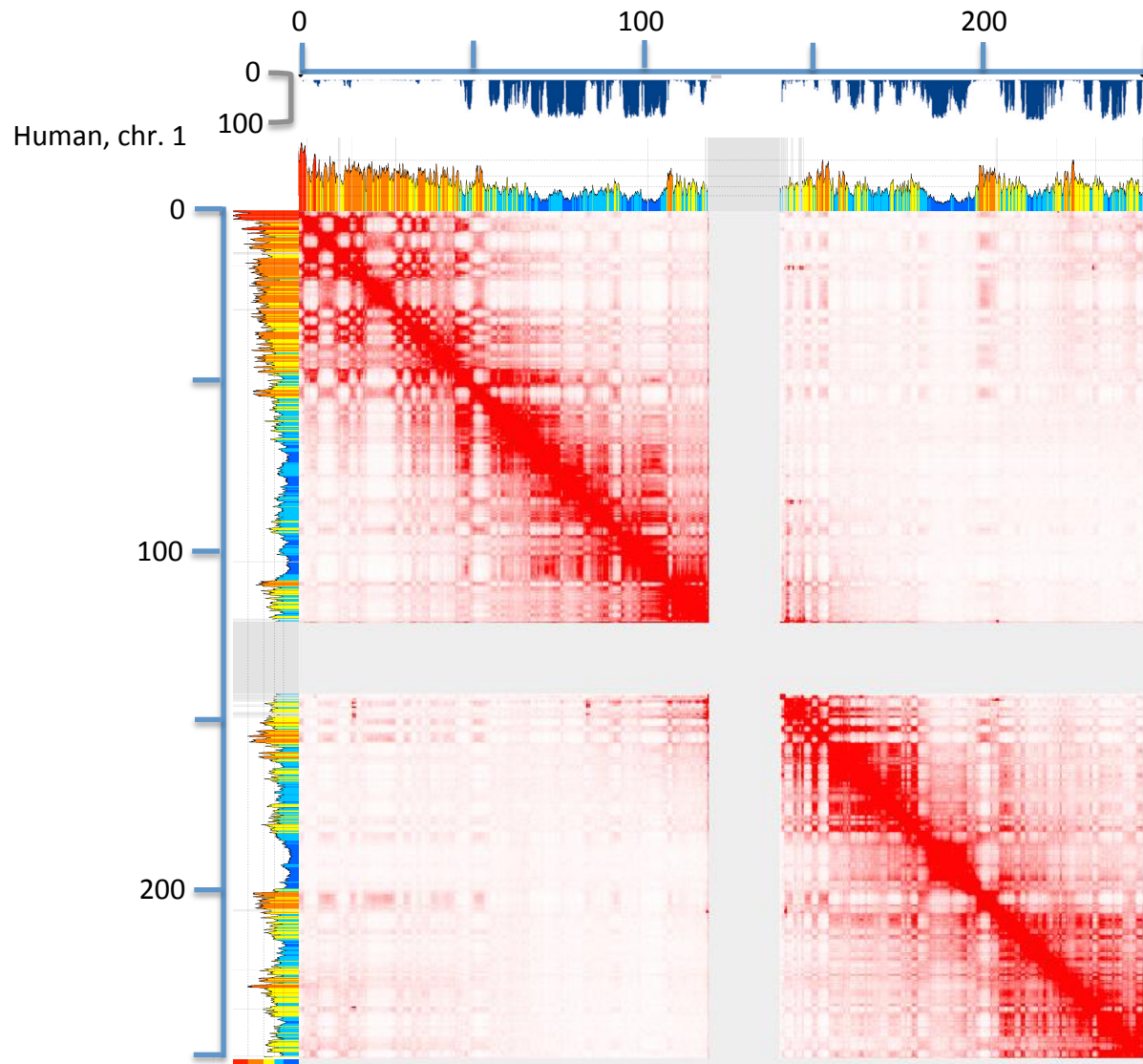
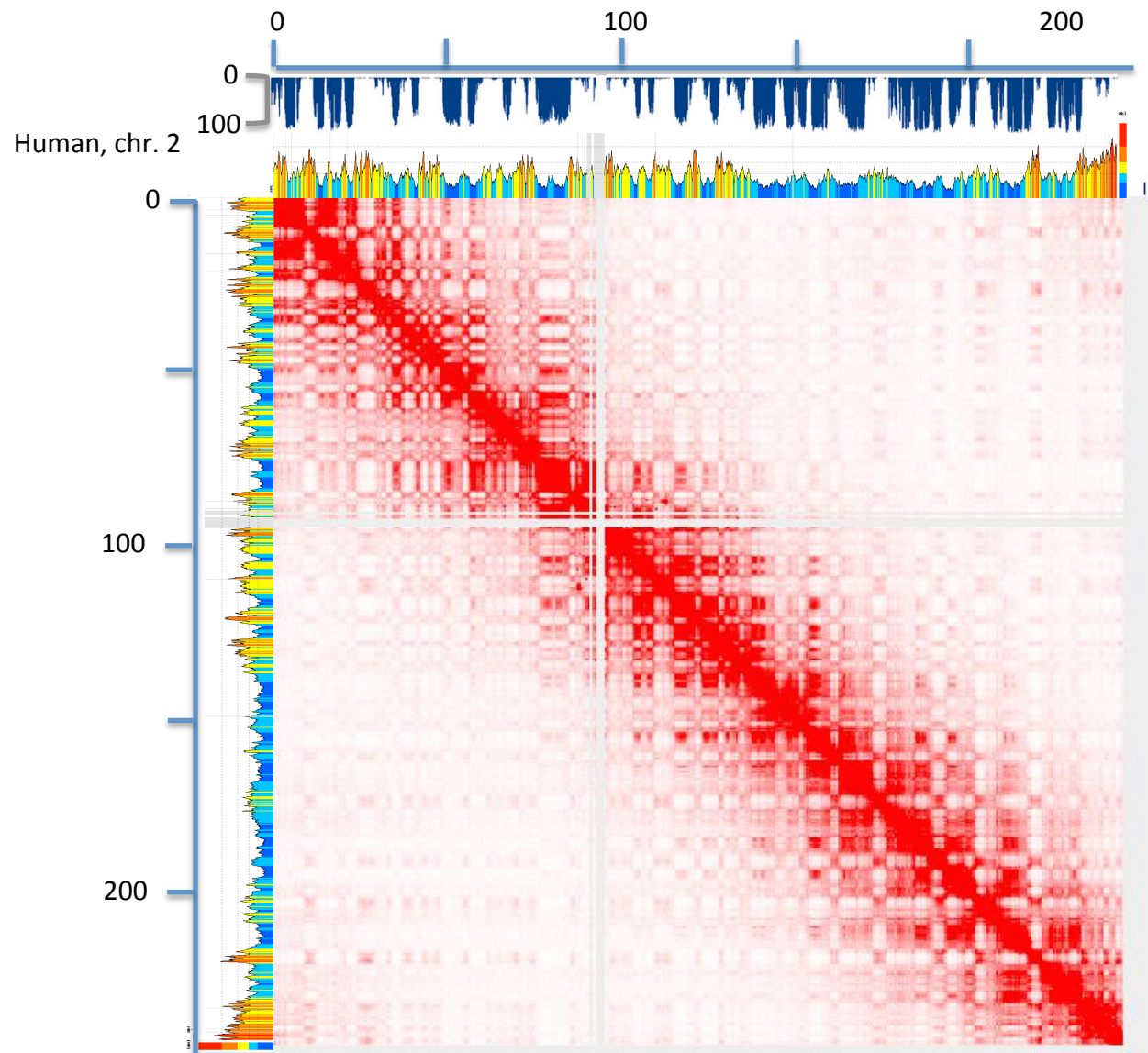


Fig. S23

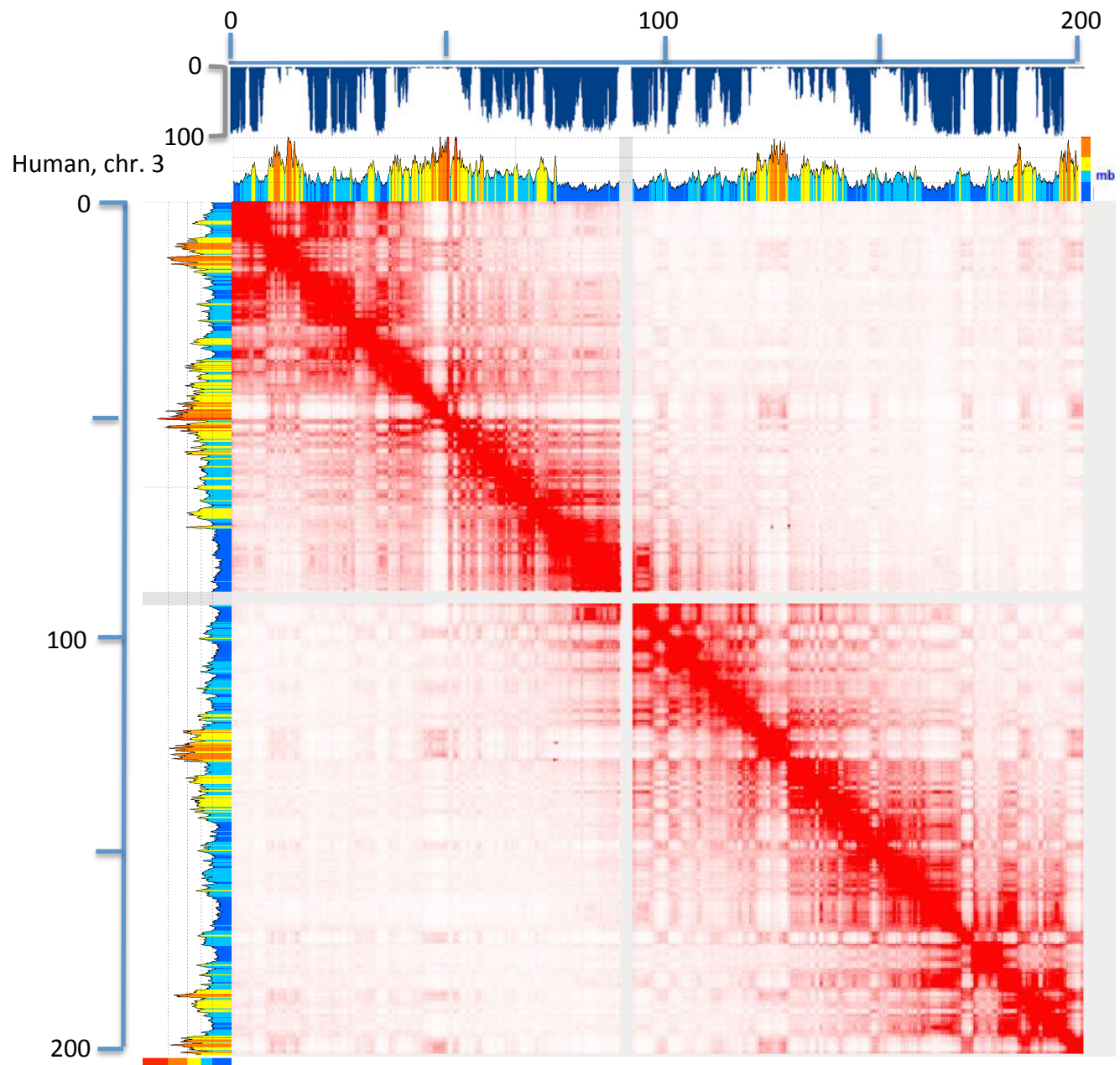


**Fig. S24**

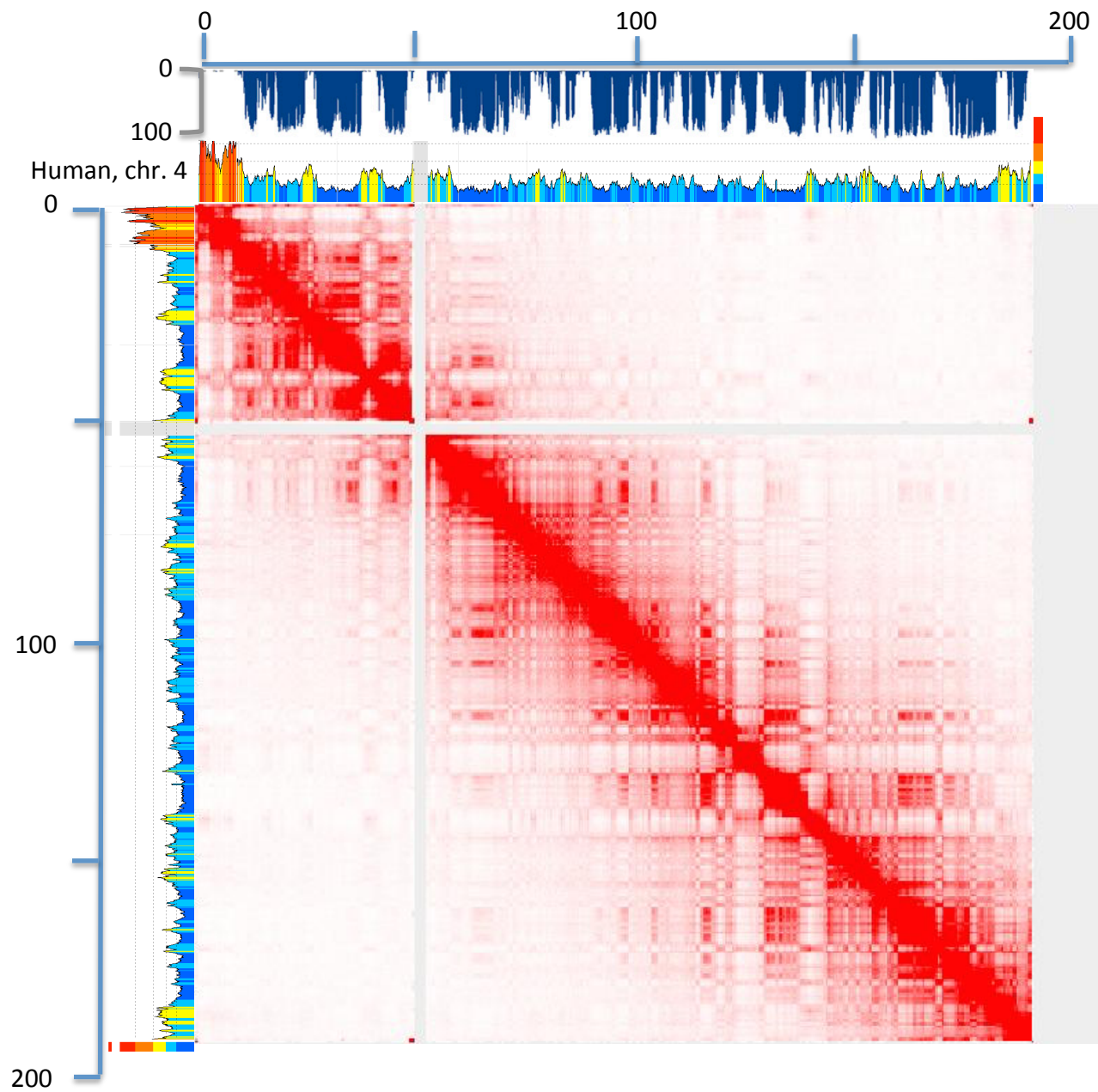




**Fig. S25**

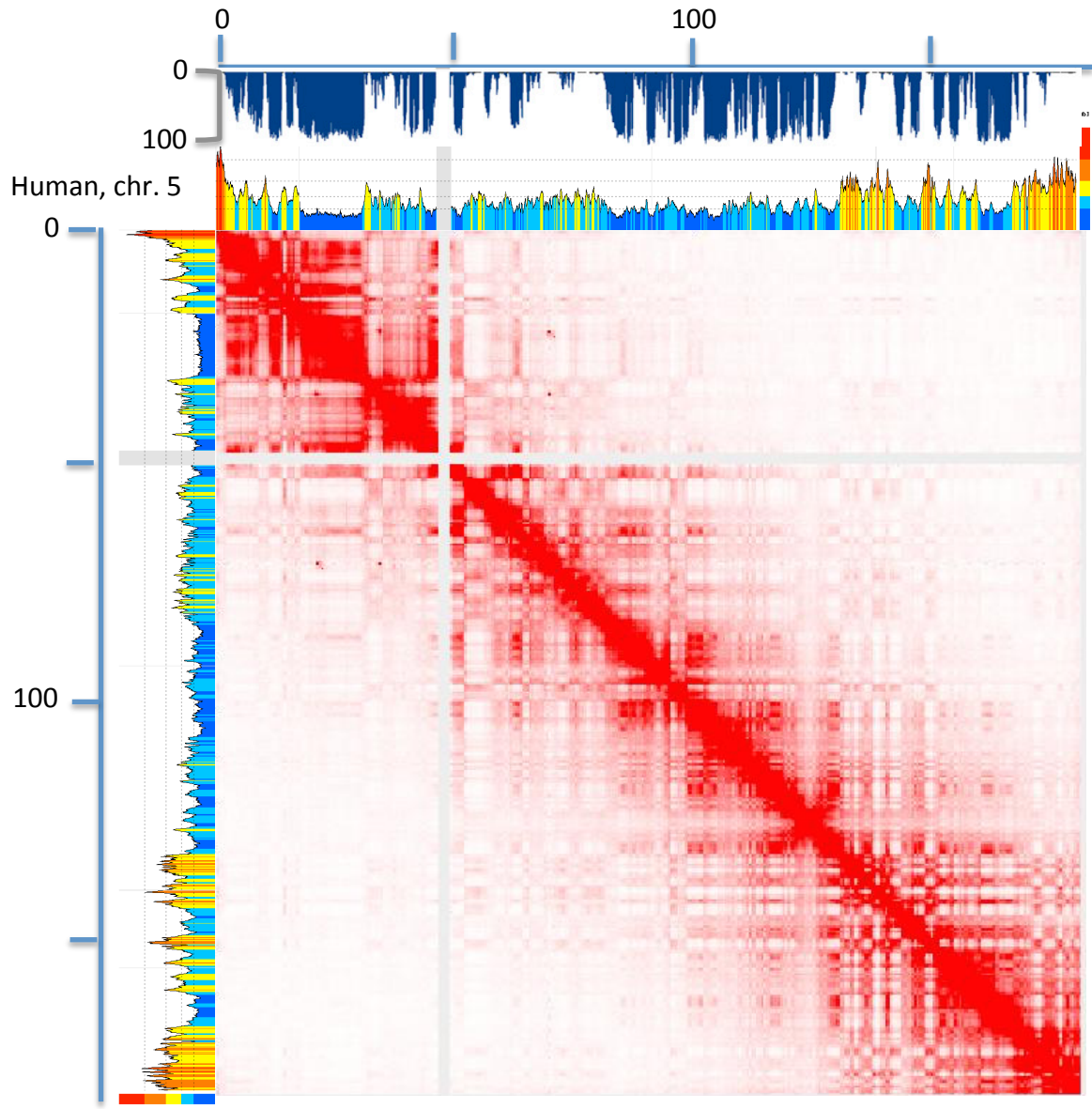


**Fig. S26**

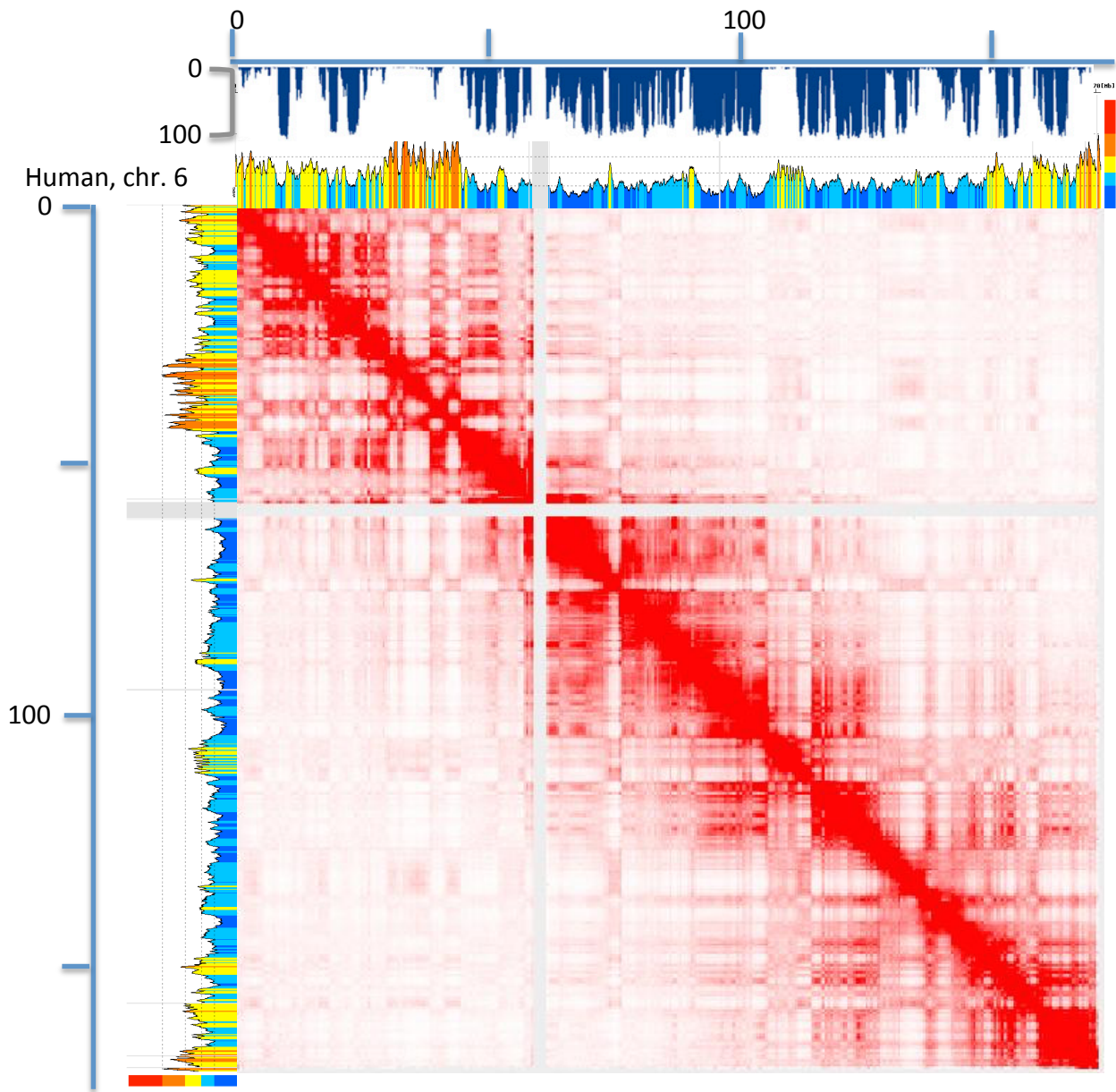


**Fig. S27**

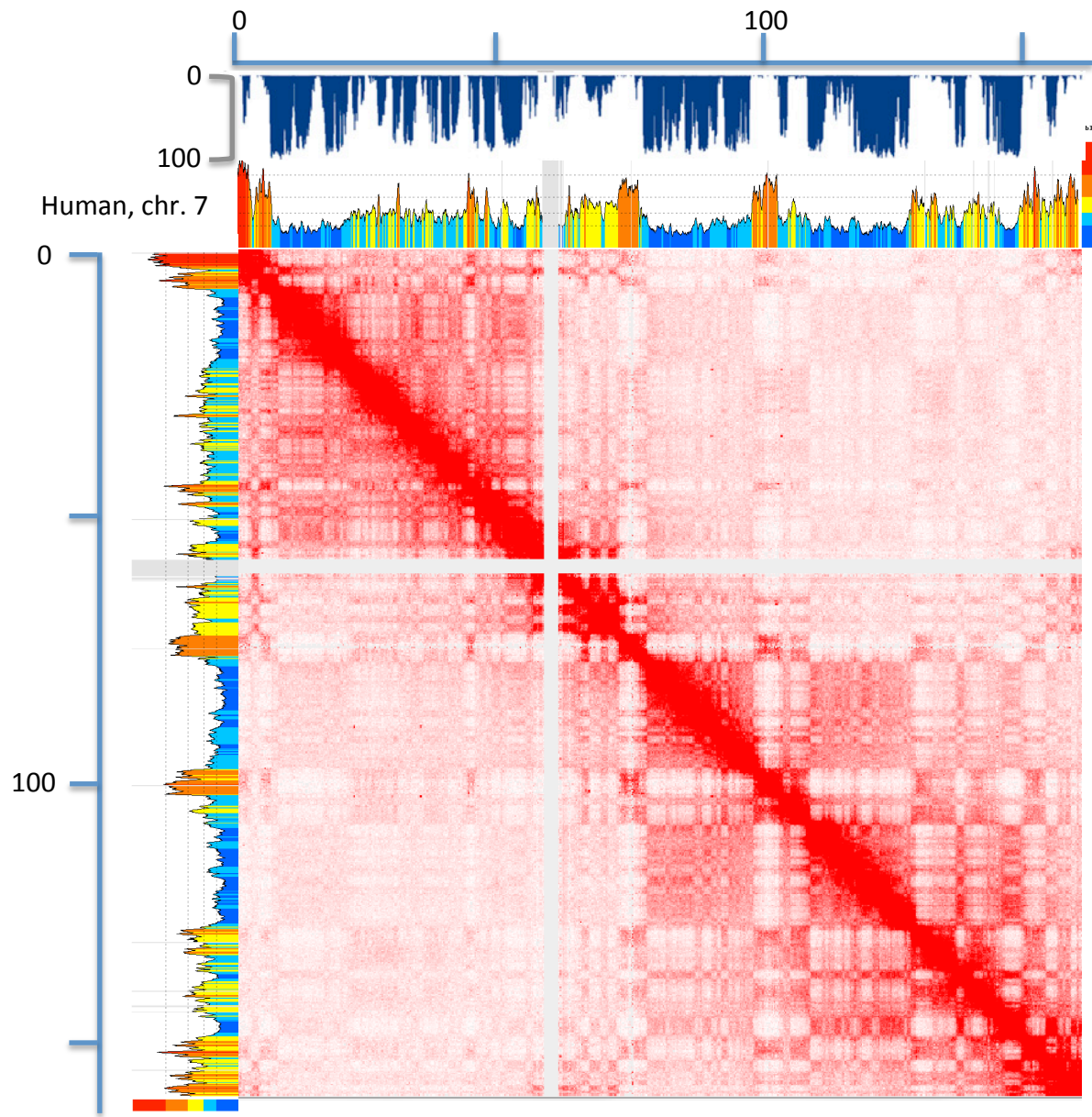




**Fig. S28**

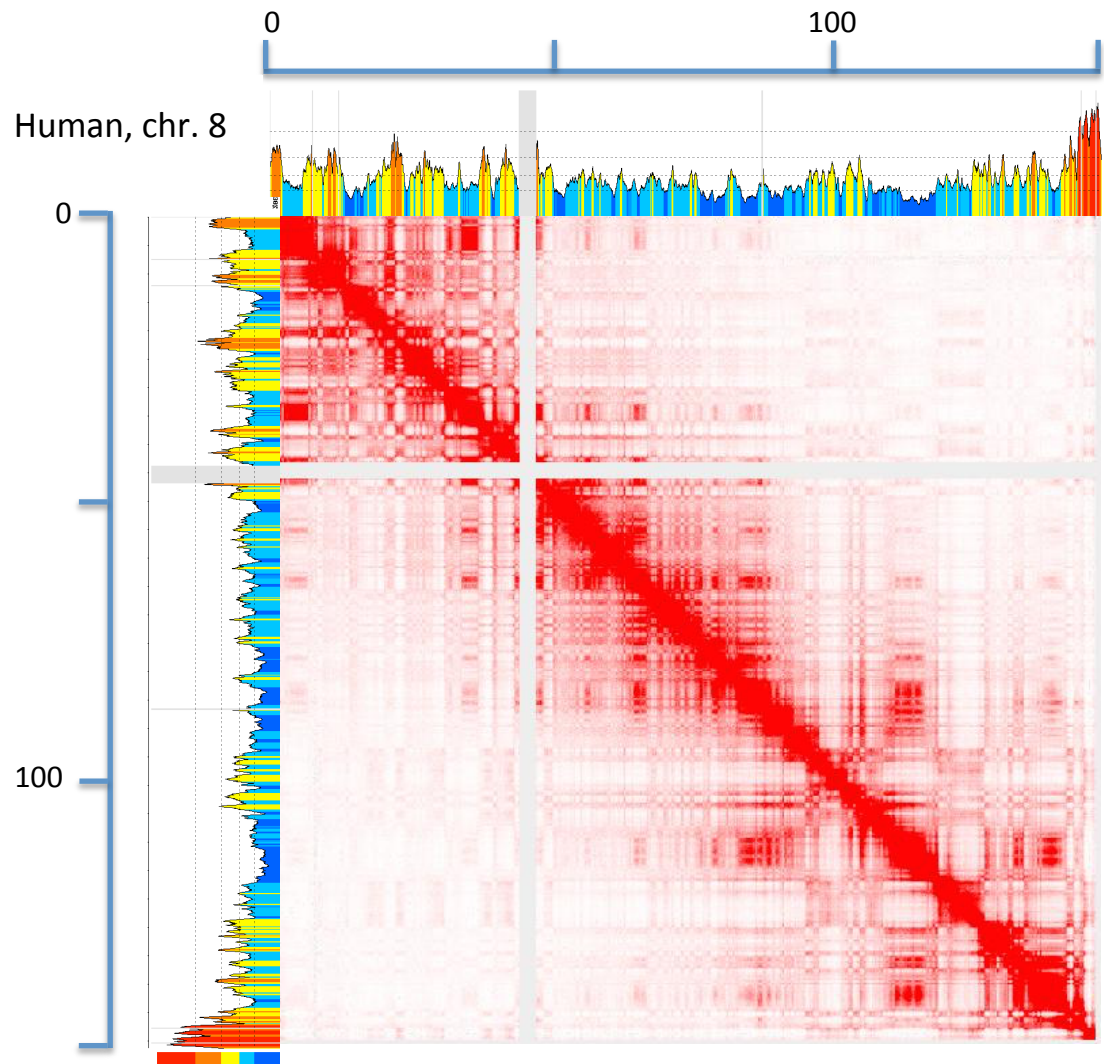


**Fig. S29**



**Fig. S30**

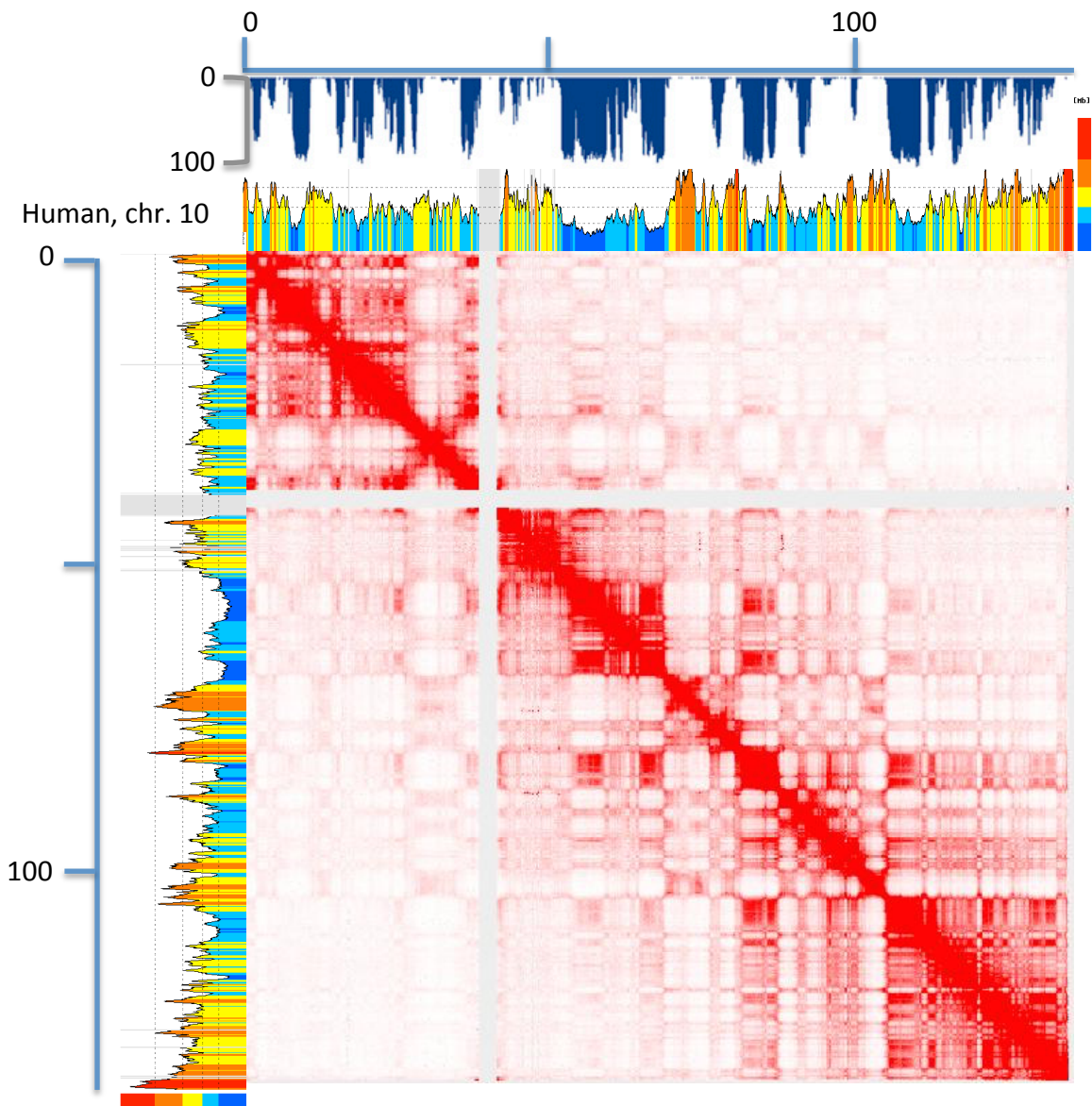




**Fig. S31**







**Fig. S33**



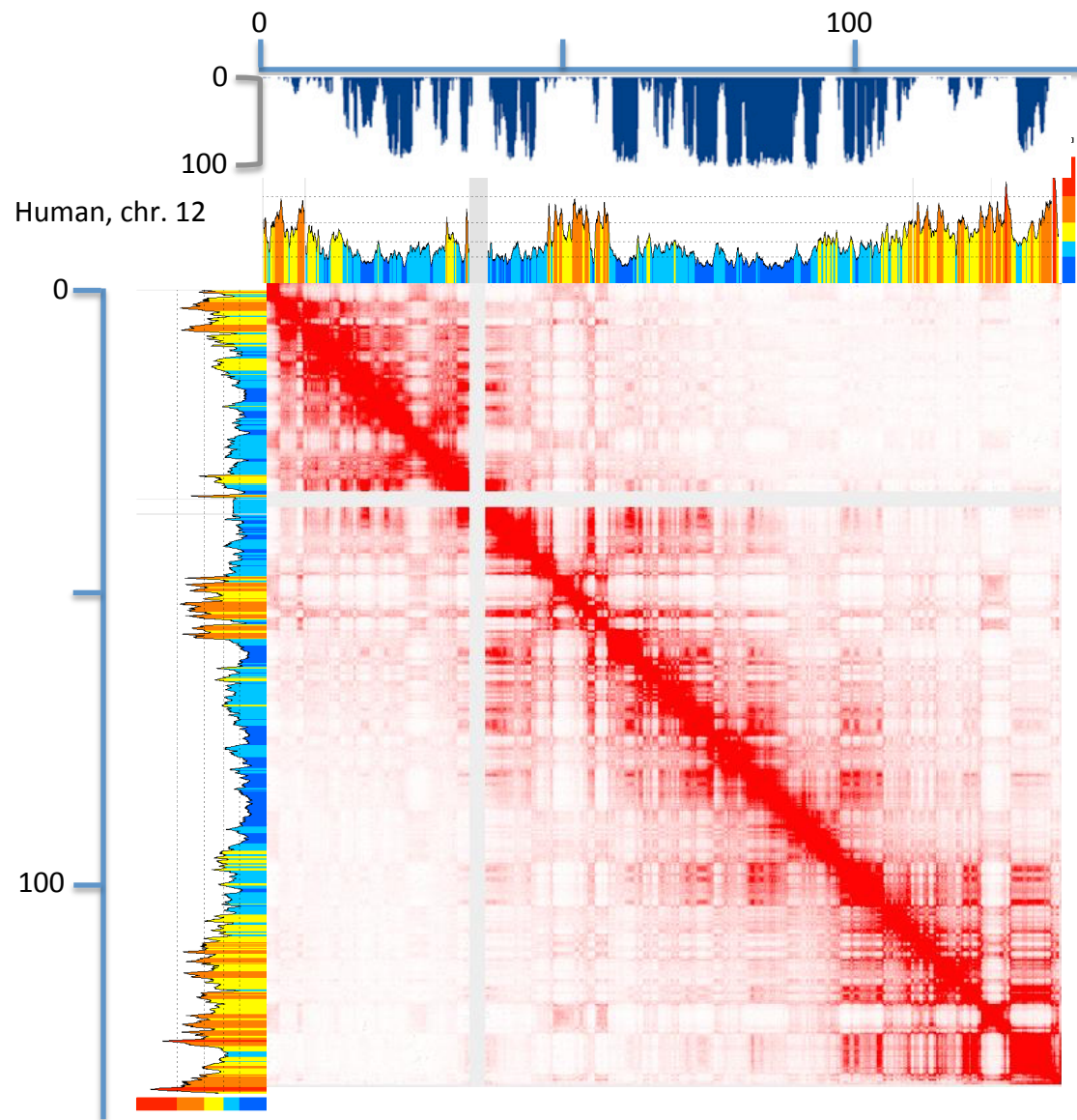


Fig. S35



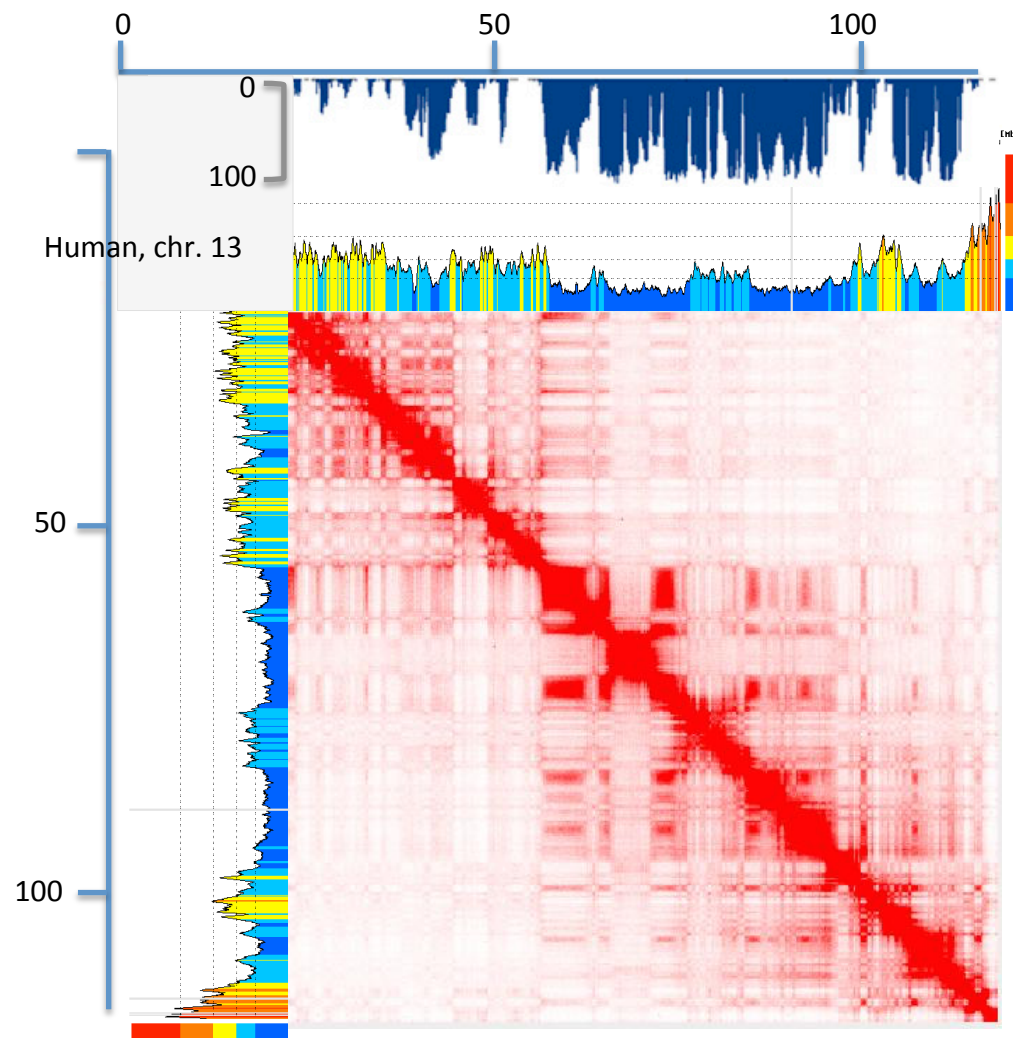


Fig. S36



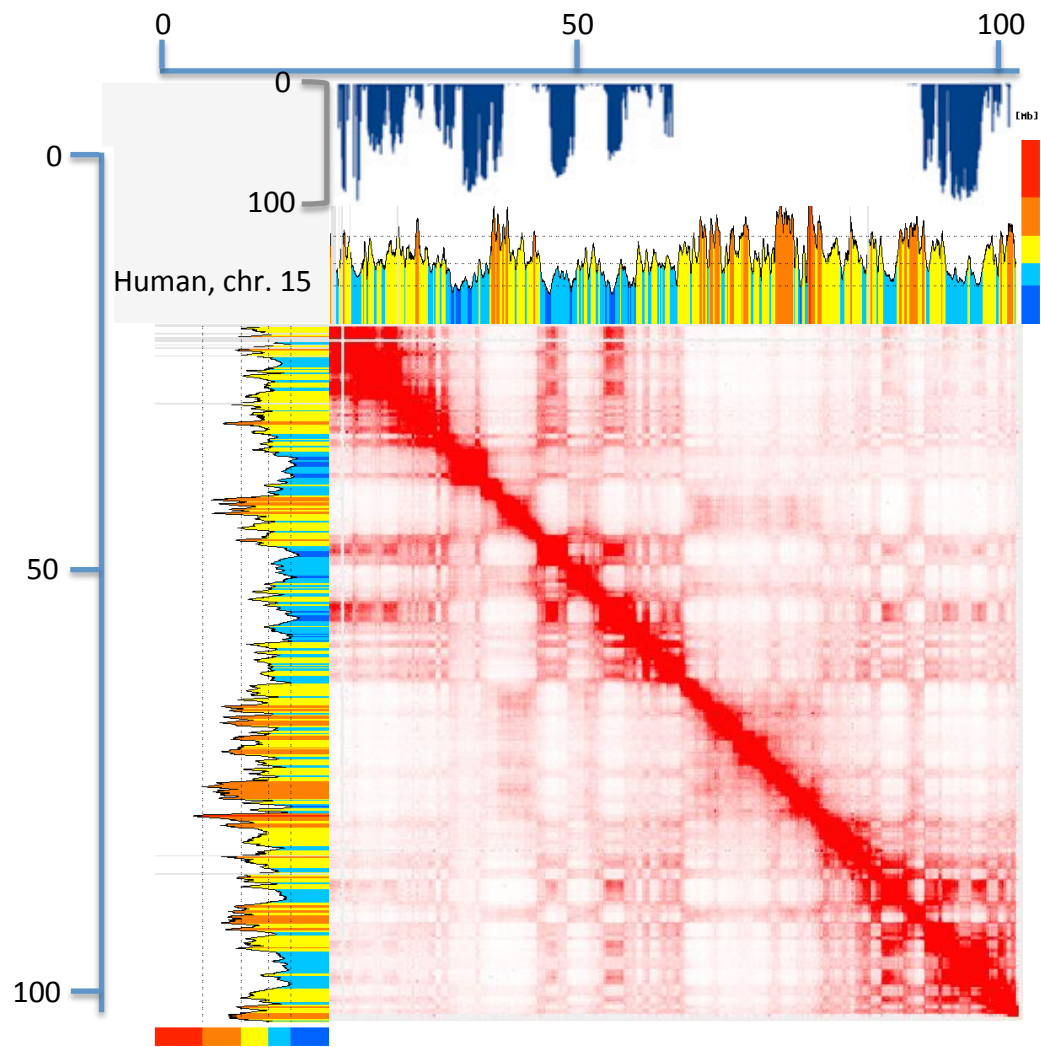


Fig. S38



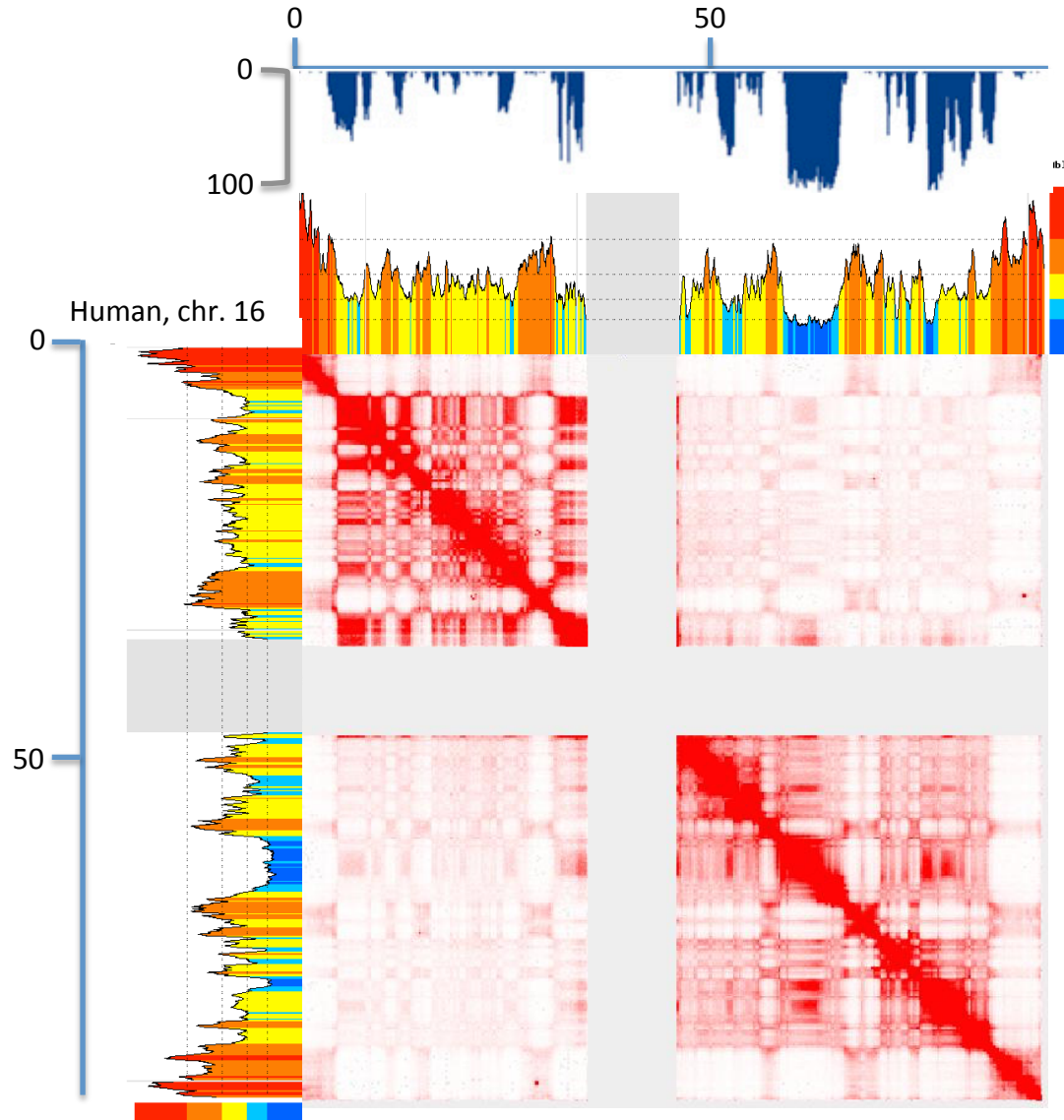
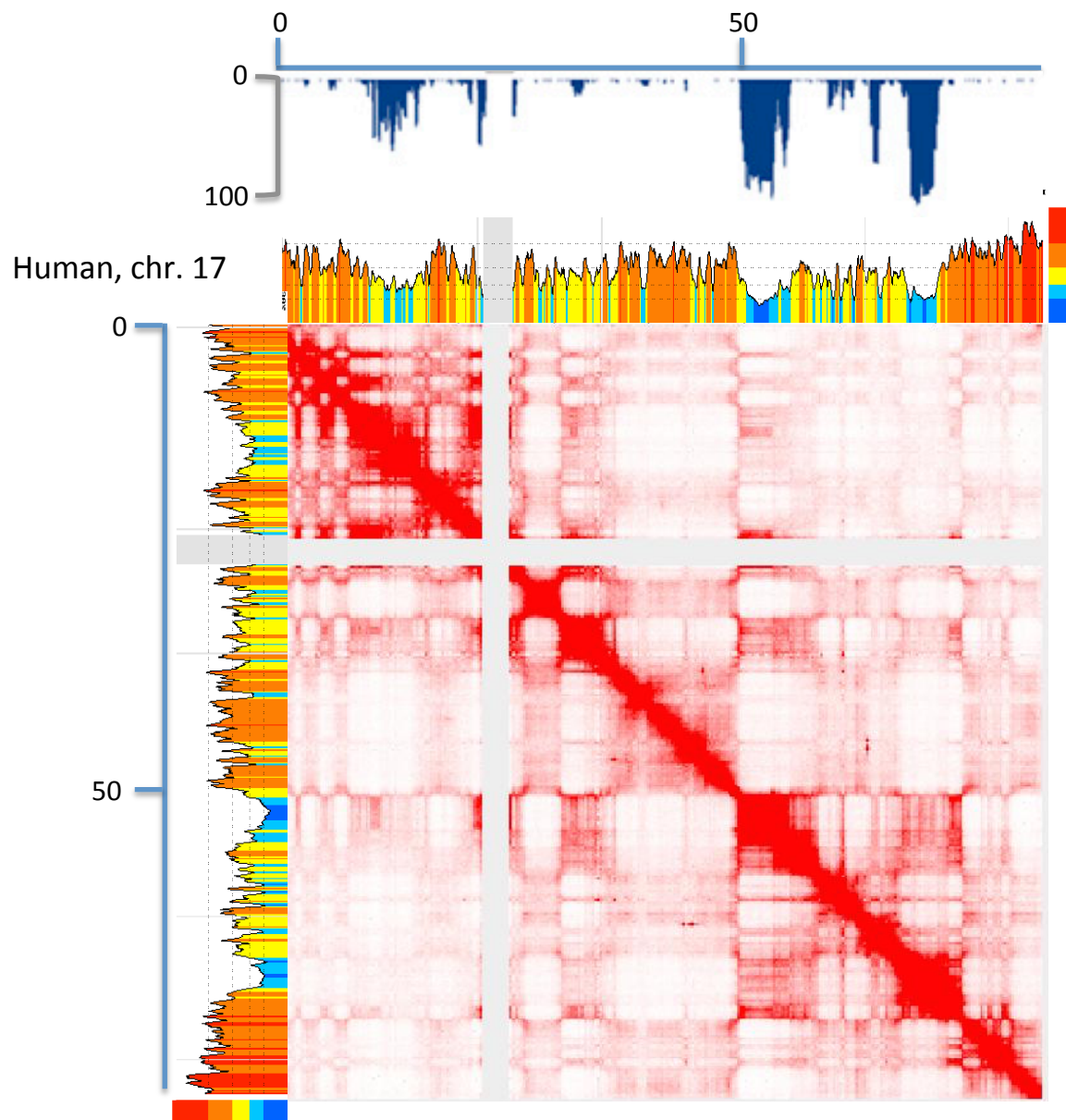


Fig. S39



**Fig. S40**

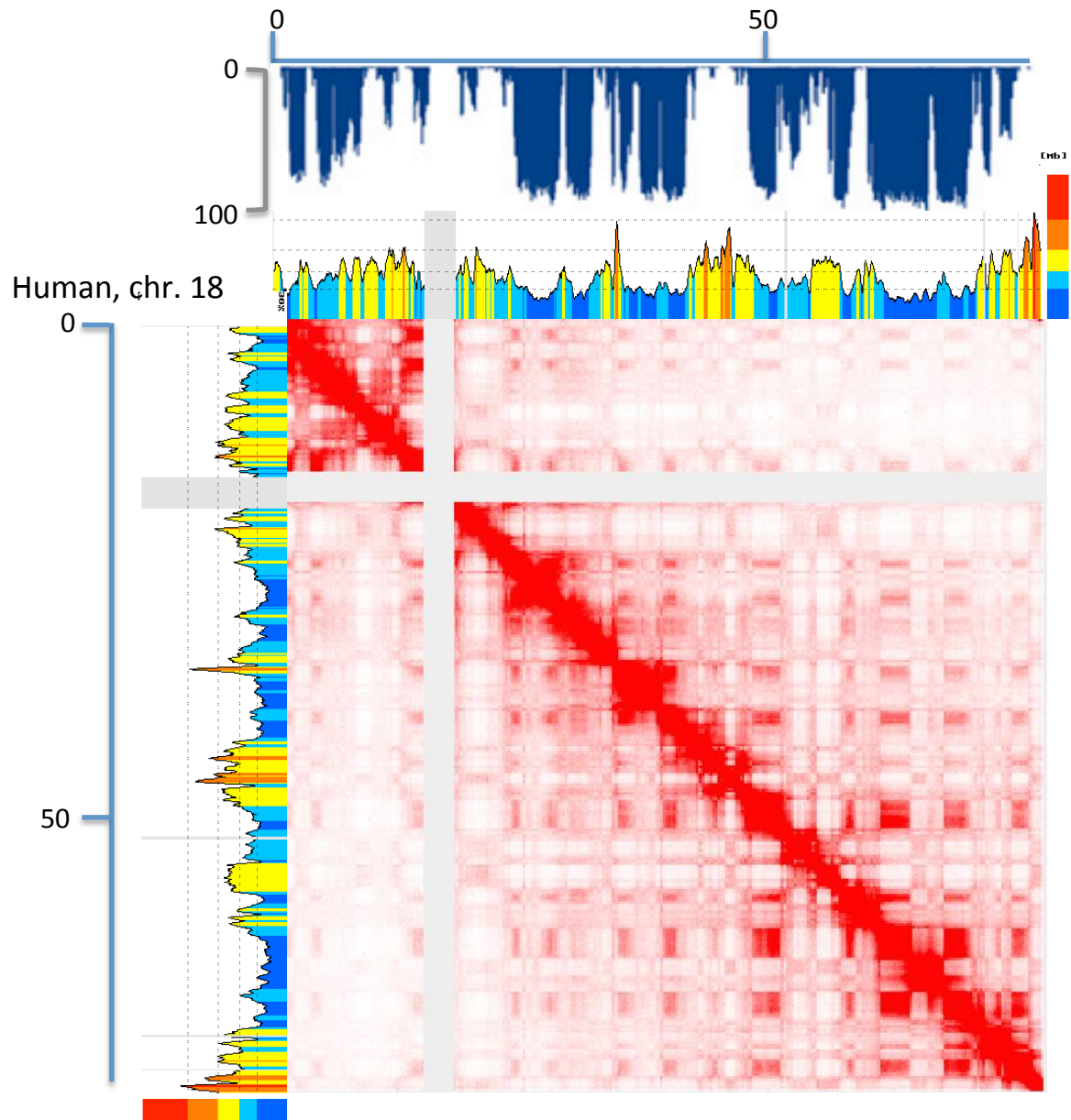


Fig. S41



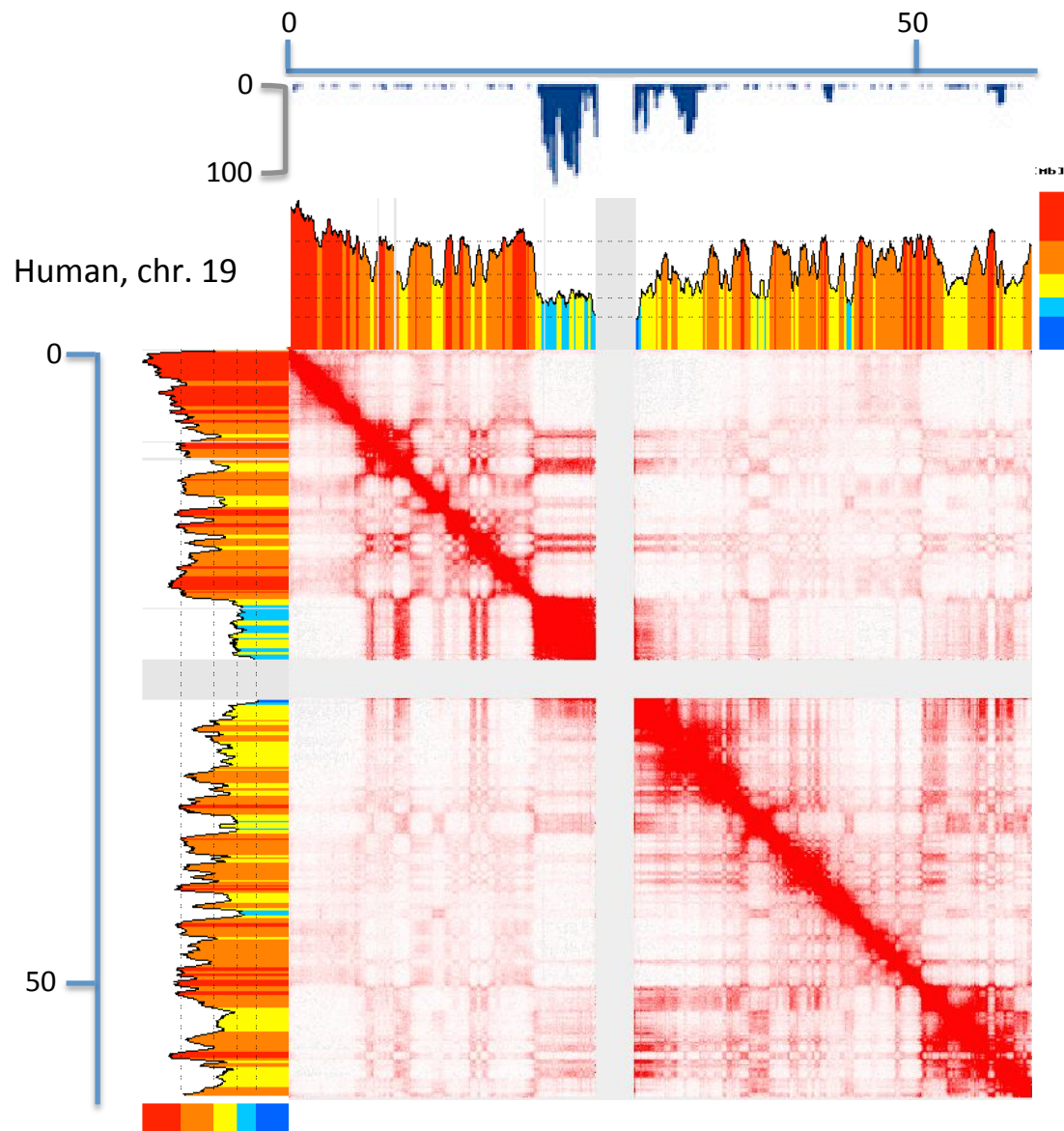


Fig. S42

Human, chr. 20

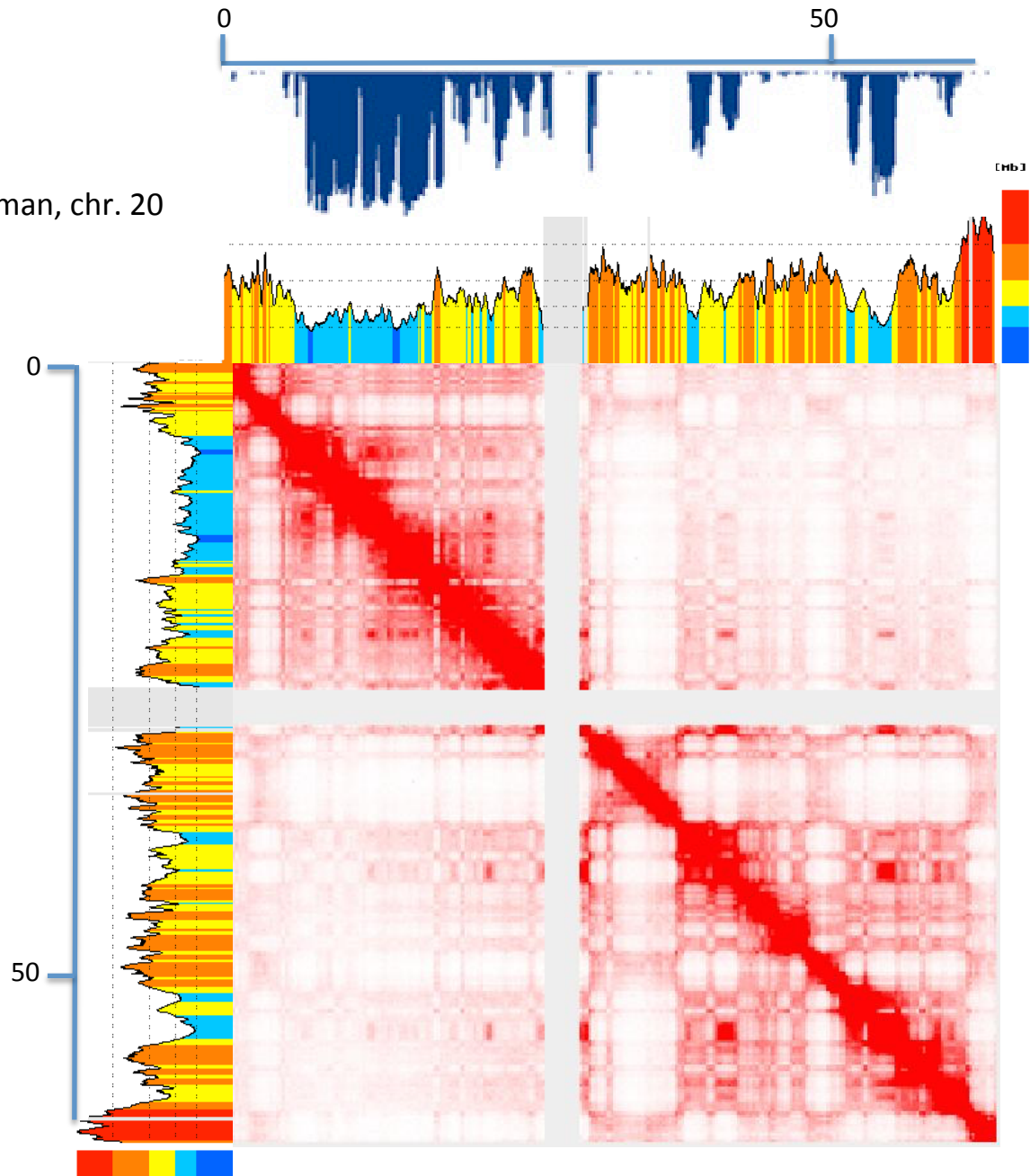


Fig. S43

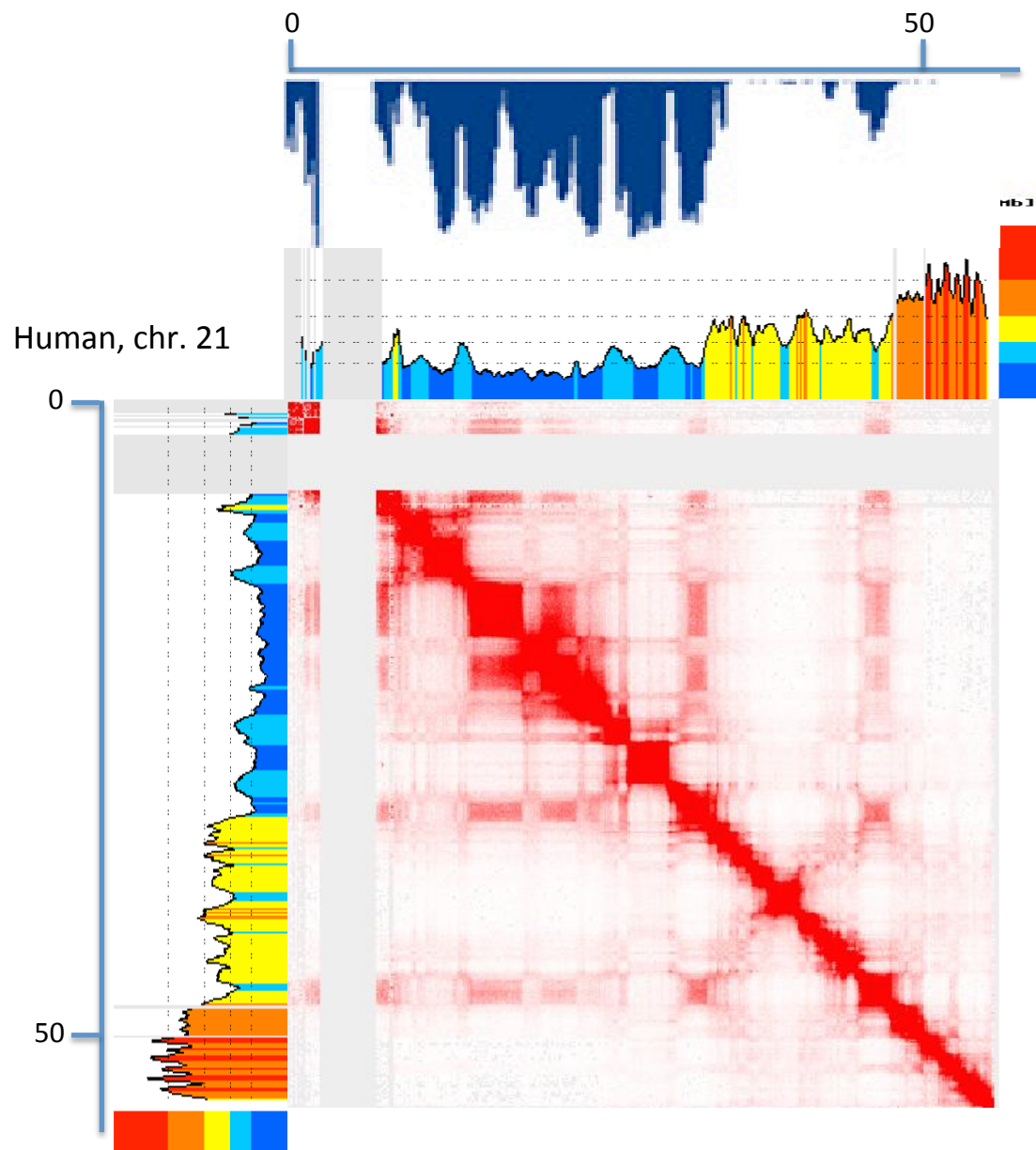
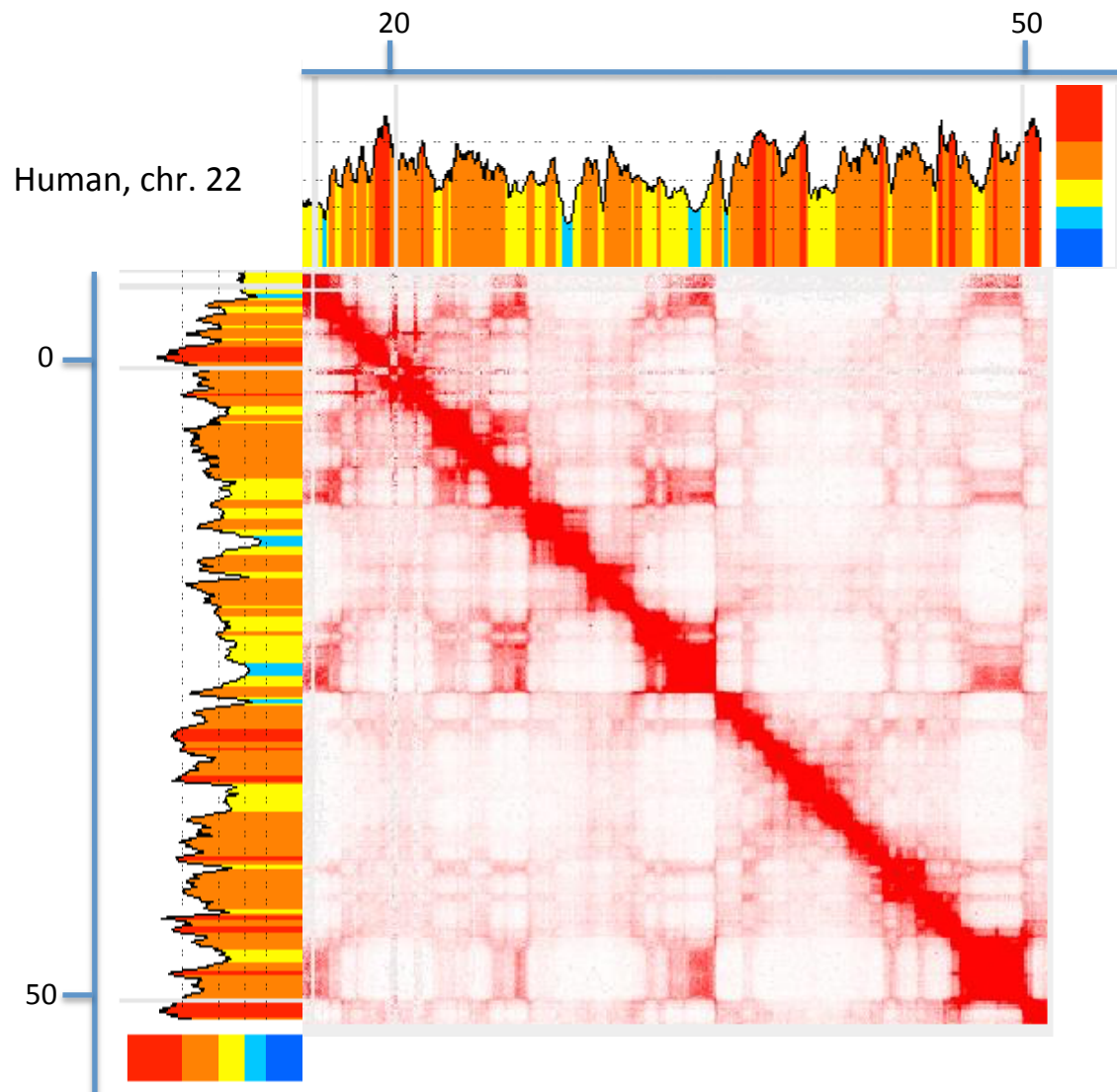


Fig. S44





**Fig. S45**