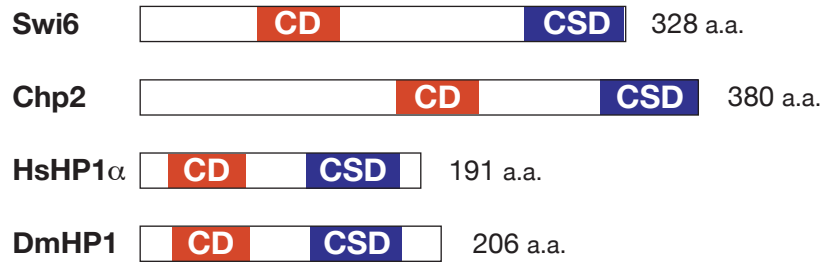


Supplementary Figure S1

A



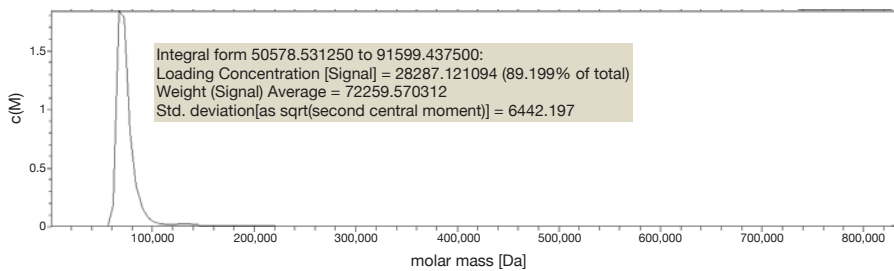
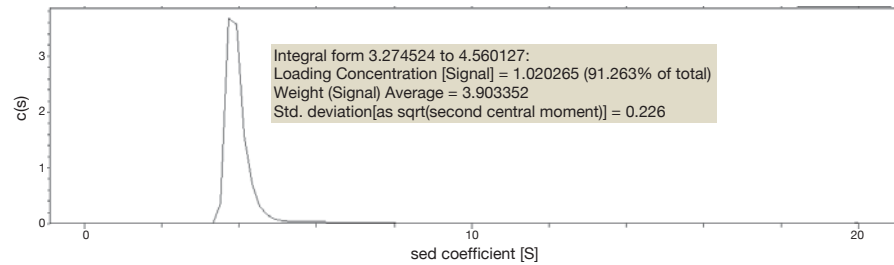
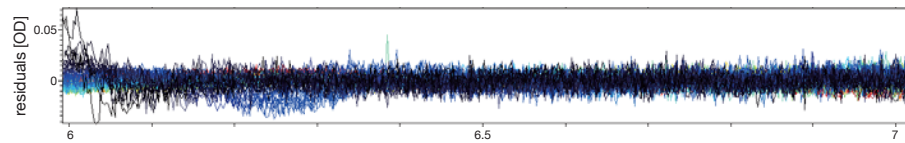
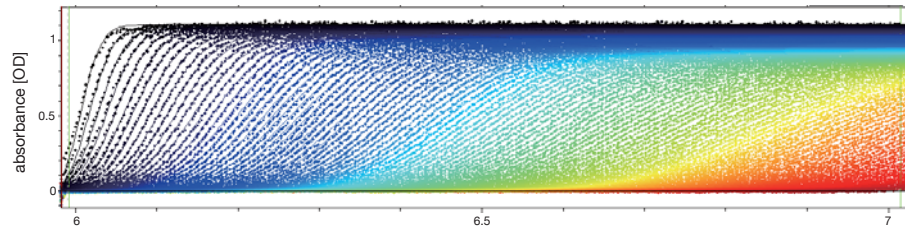
B

SpSwi6	1	-----
SpChp2	1	MVKSAADLDLMNSII ISESDENFSPPPFTVEEAENSINNKSSTASLESFPQNGSWHPSLYGLS
HsHP1alpha	1	-----
DmHP1a	1	-----
SpSwi6	1	-----MKKGGVRSYRRSSTSKRKSVTDDSEPELPSMTKEAI
SpChp2	61	VPEKTHIQNSLDLYSHGNSGSQKTHNVSPFCEIRKVKRSKQLSPISNMEDSEDKKEEDSS
HsHP1alpha	1	-----
DmHP1a	1	-----
SpSwi6	37	ASHKADSGSSDNEVEVDHESKSSSKKLENAKEEE-----GGEEDDEEYVVEK
SpChp2	121	SYKNEFKSSSSASVSSNFKTSGSDDHNSQSPVPLNEGFYIASSGSEDKNSDEEFAVEM
HsHP1alpha	1	-----MGKKTKRTAD-----SSSEDEEEYVVEK
DmHP1a	1	-----MGKKIDNPESAKV-----SDAEEDDEEYAVEK
SpSwi6	86	VLKHRMARKGGGVEYLLKWEGYDDPSDNTWSSSEADCSGCKOLIEAYWNEHGGRPSPSKRK
SpChp2	181	ILDSRMKKDGSQFYLLKWEGYDDPSDNTWDEEDCAGCLELIDAYWESRGGKPDLSLI
HsHP1alpha	25	VLDRRVVK--GOVEYLLKWKGFSEEHNTWEPEKNLD--CPELISEFMKKYKMKRQGENNK
DmHP1a	29	IIDRRVRK--GKVEYLLKWKGYF-ETENTWEPENNLD--QODLIQOYEASRKDEEKSAASK
		CD
SpSwi6	146	RTARPKKPEAKPSPKSRKTDKDKDSEKIEEDVNEKTIKFADKSOEEFNENCPPSGO
SpChp2	241	RLTRSRARSSNEASYVEKDESSNSDDSIYKRRRSRANANRITDYVSDLSESSMK----
HsHP1alpha	81	PREKSESNNKRSNFSNSADDIKSKKKREOSNDIAR-----
DmHP1a	85	KDRPSSSAKAKETQGRASSSTSTASKRKSEPTAPSGNKSKRRTDAEQDITIPVSG-----
SpSwi6	206	PNGHIESDNESKSPSOKESNSEDITQIAETPSNVTPKKKPSPEVPKLPDNRELTVRQOVEN
SpChp2	297	-----EKQSKIEKYMKSDKSSK-----NFKPPFQ
HsHP1alpha	116	-----GFERGLEPEKIIIGATDSC-----
DmHP1a	140	-----STGFDRLGLEAEKILGASDNN-----
SpSwi6	266	YDSWEDLVSSIDTIERKDDGTEIYLTWKNG-AISHHPSITNKKCPQKMLOFYESHILTF
SpChp2	321	KKSWEDLVDCVKTVQQLDNGKLIAKIKWKNG-YVSTHDNIIIHQKCPKIIIEVYBAHIKF
HsHP1alpha	134	-----GDLMLFMKWKDTDEADLVLAKEANVKCPQIVIAFYERLRTW
DmHP1a	160	-----GRITFLIQFKGVDAQEMVPSVANEKIIFRMVIHFYERLSW
		CSD
SpSwi6	325	RENE-----
SpChp2	380	T-----
HsHP1alpha	175	HAYPDAENKKEKETA
DmHP1a	201	YSDNE-----

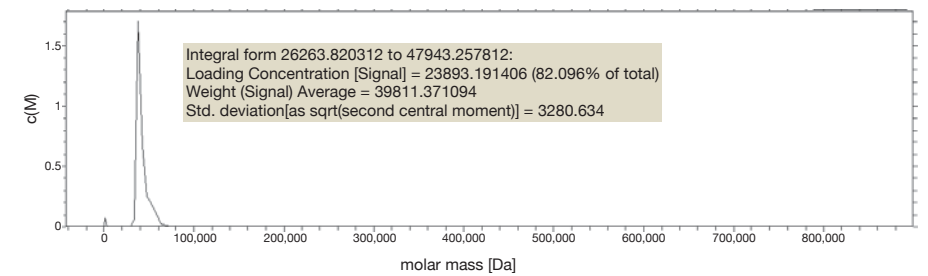
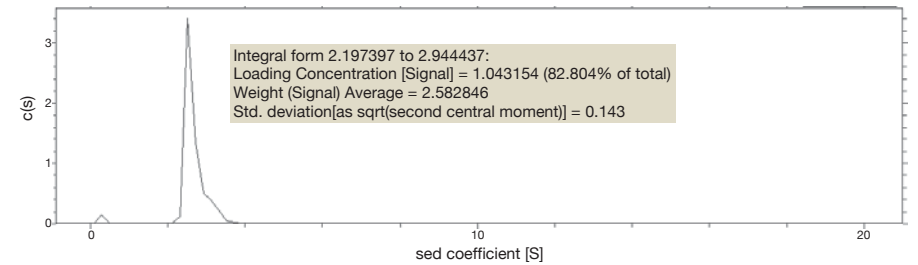
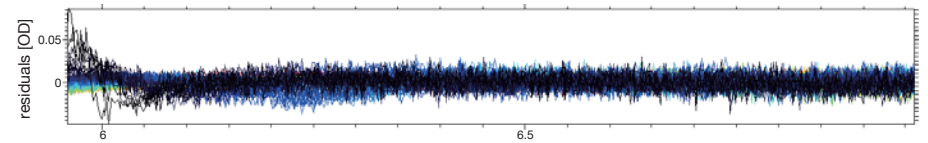
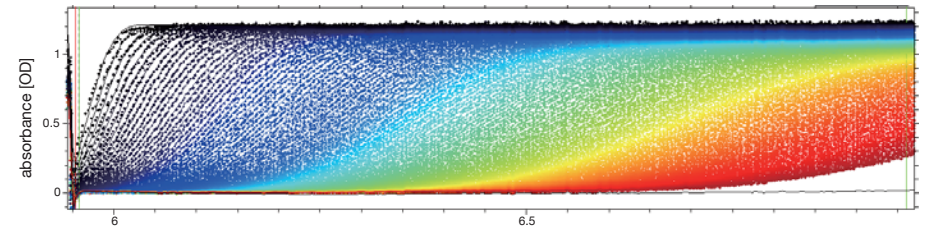
Swi6 L315E
Chp2 I370E

Supplementary Figure S2

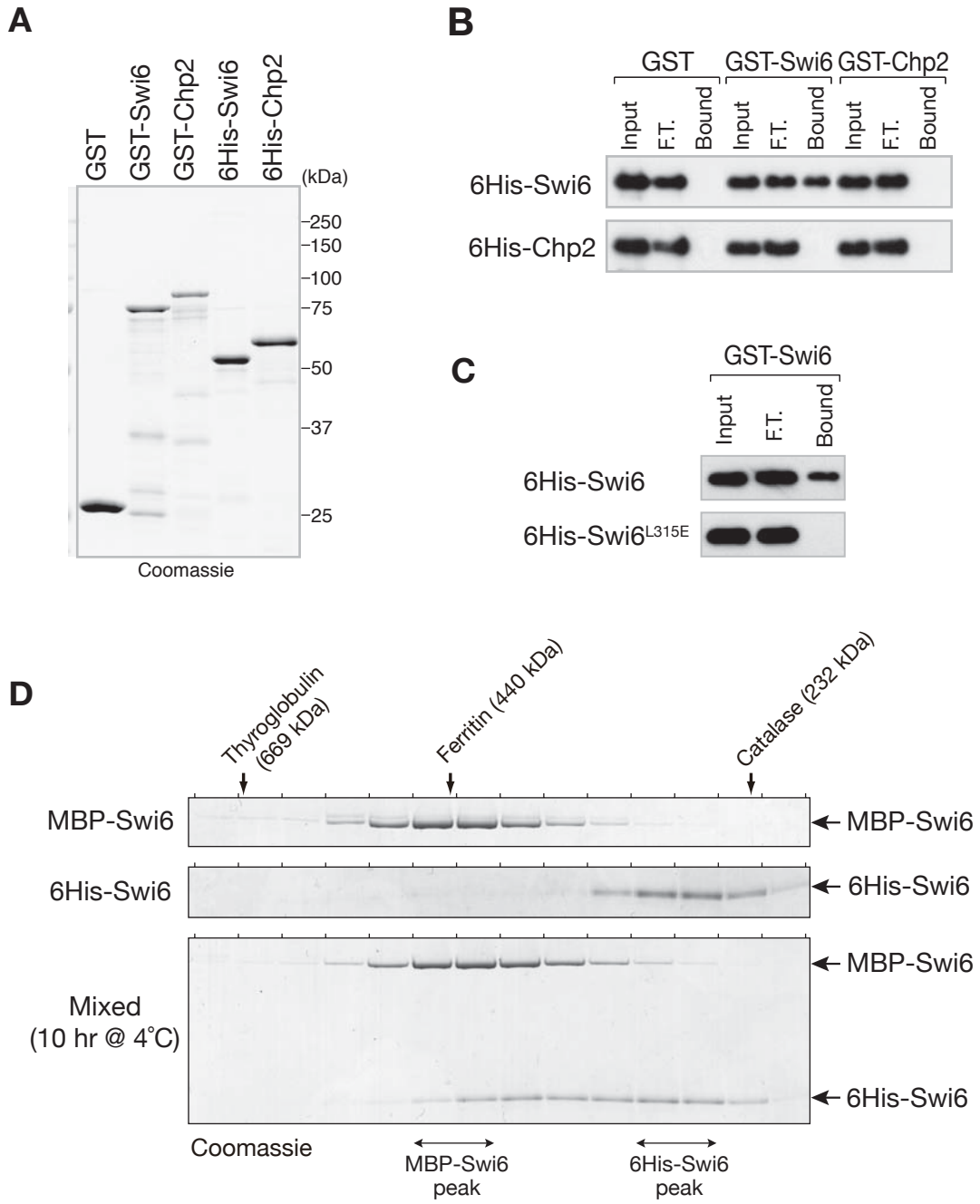
Swi6



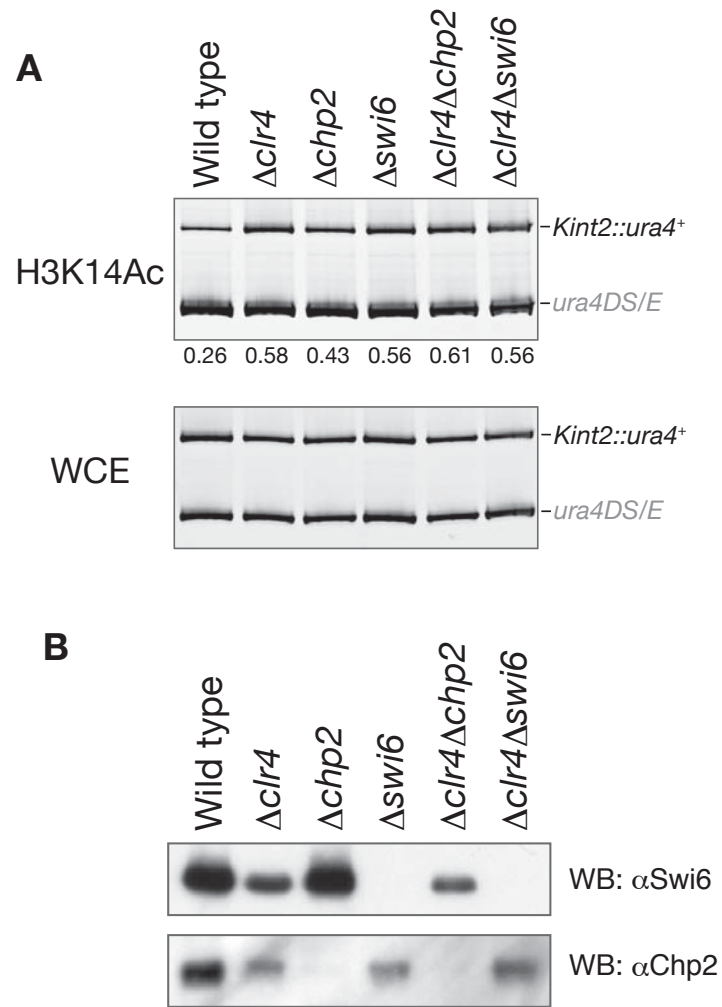
Swi6 L315E



Supplementary Figure S3

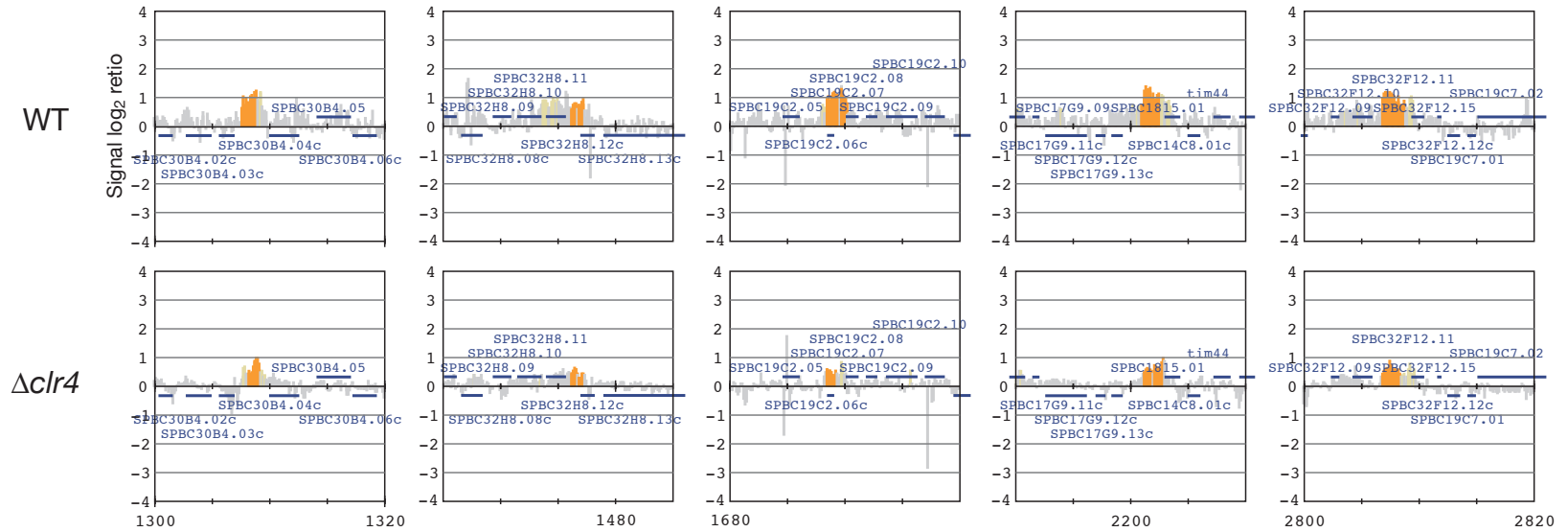


Supplementary Figure S4

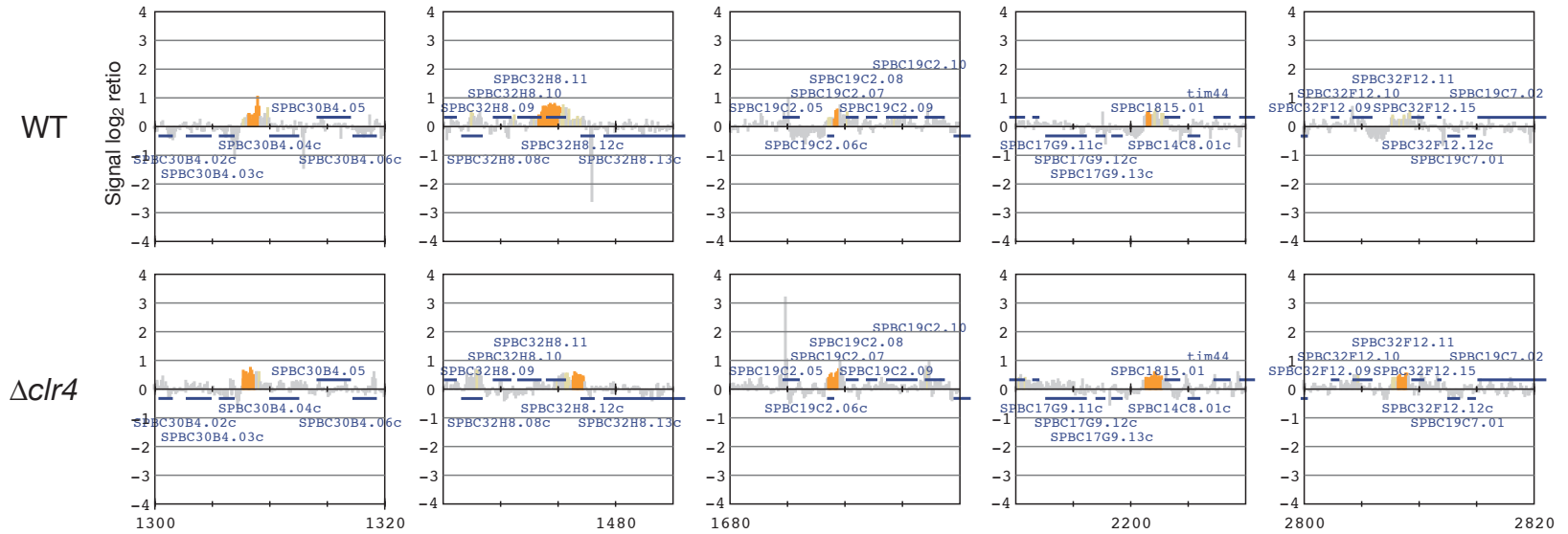


Supplementary Figure S5

A Chp2 ChIP



B Swi6 ChIP



Supplementary Figure S6

