

Supplementary Data

Title: Elevated nuclear TDP-43 induces constitutive exon skipping

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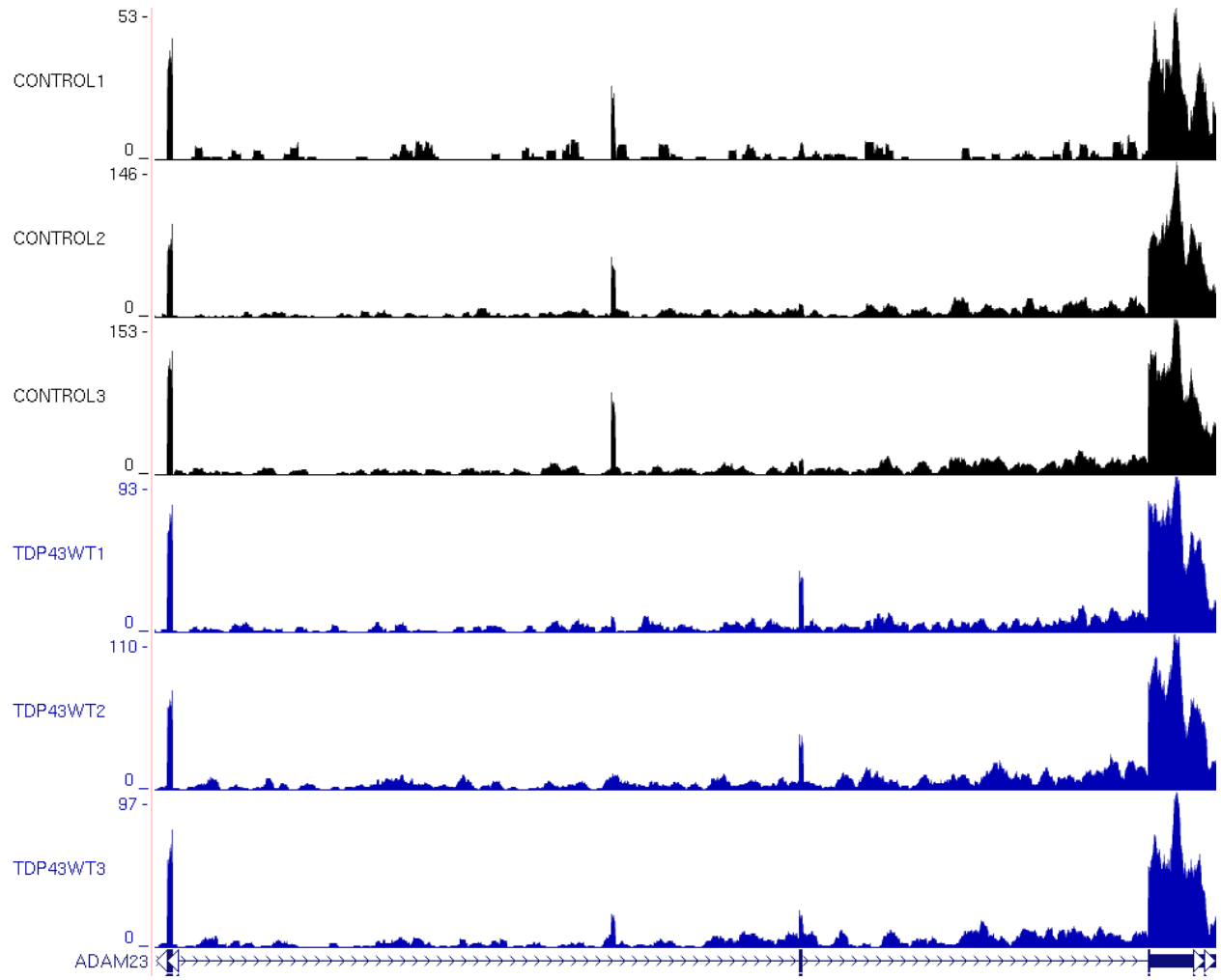
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Departments of ¹Pathology, ²Neuroscience, ³Physiology, ⁴Ophthalmology and ⁵Neurology, Johns Hopkins School of Medicine, Baltimore, MD 21205

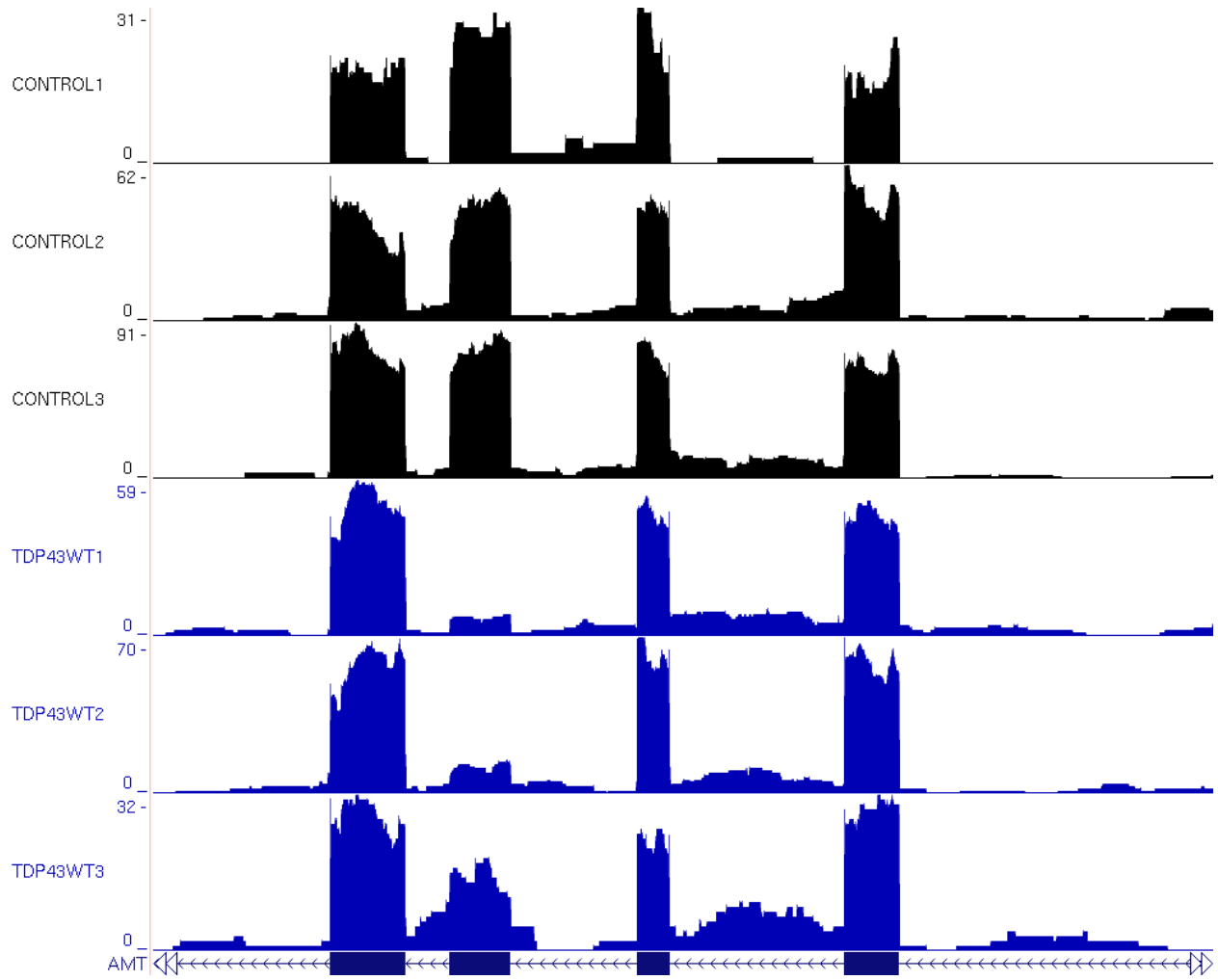
* indicates equal contribution

indicates corresponding author

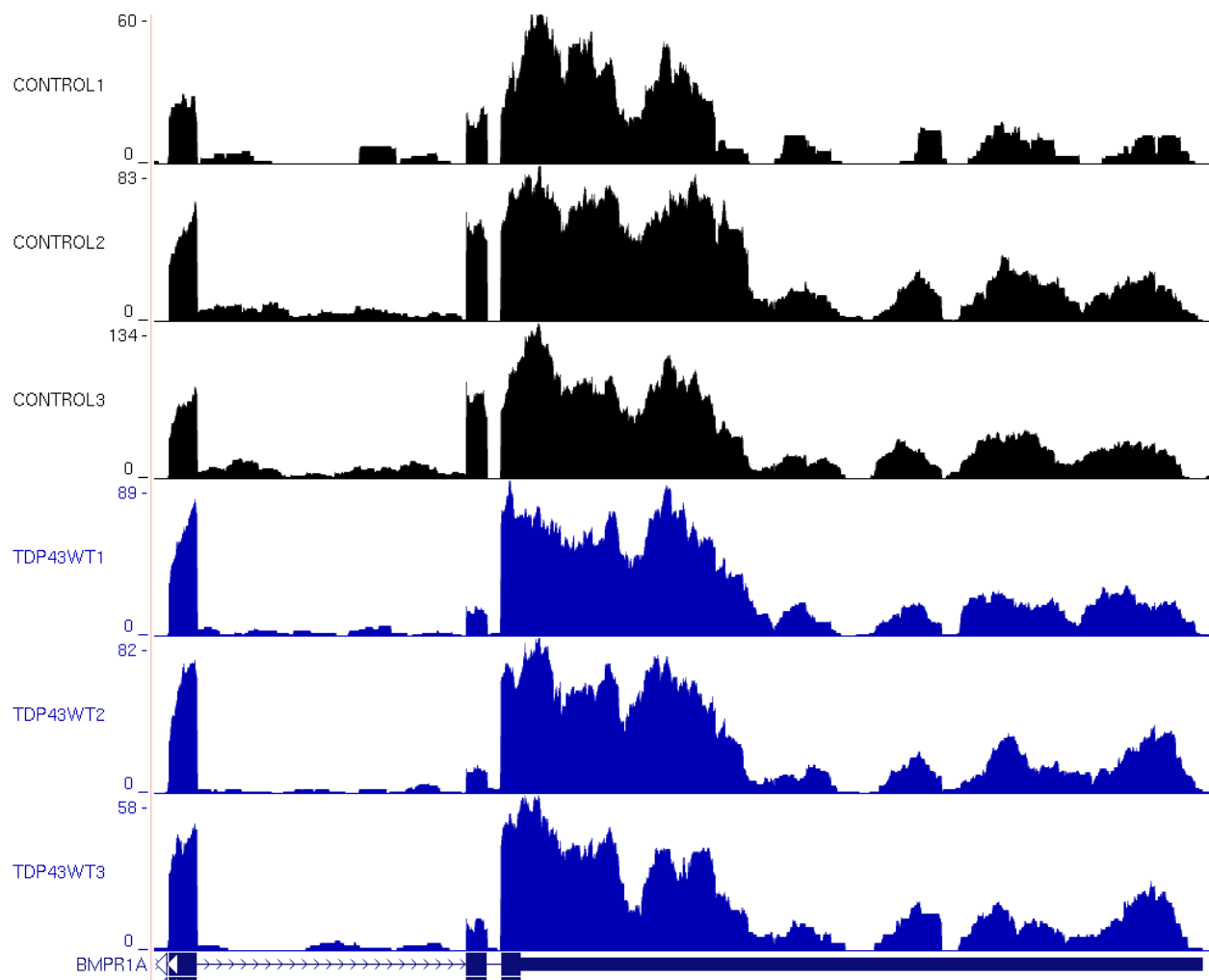
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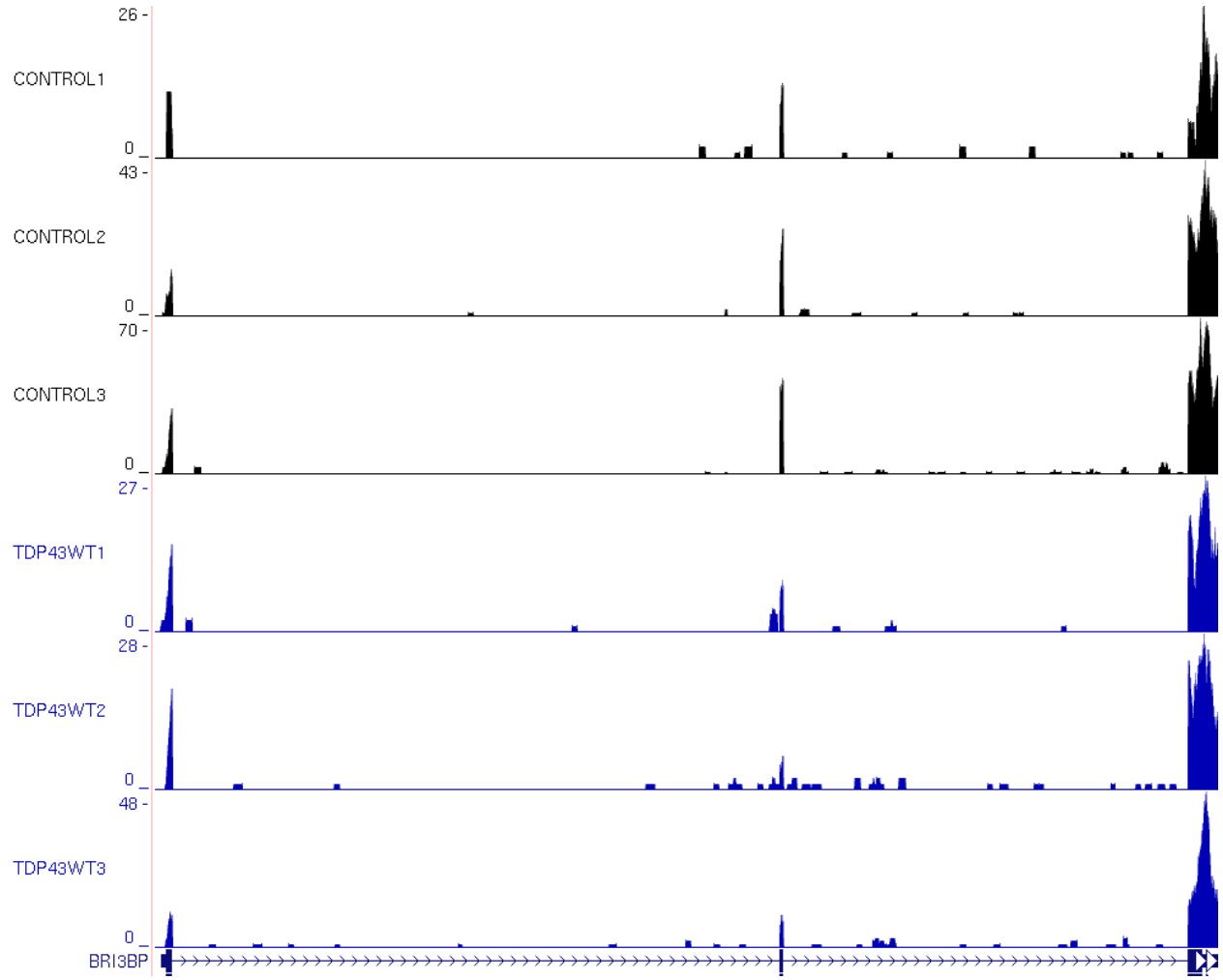
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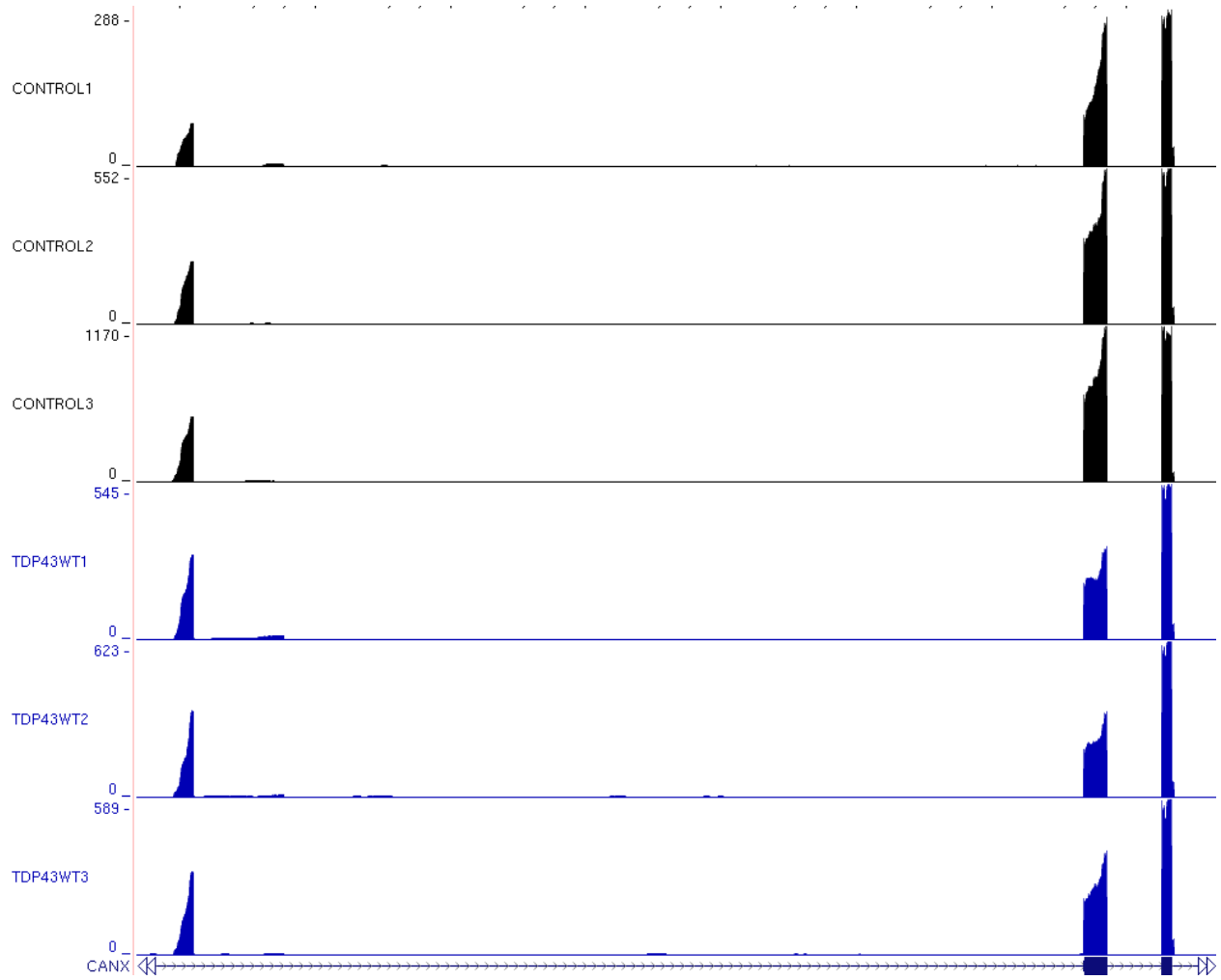
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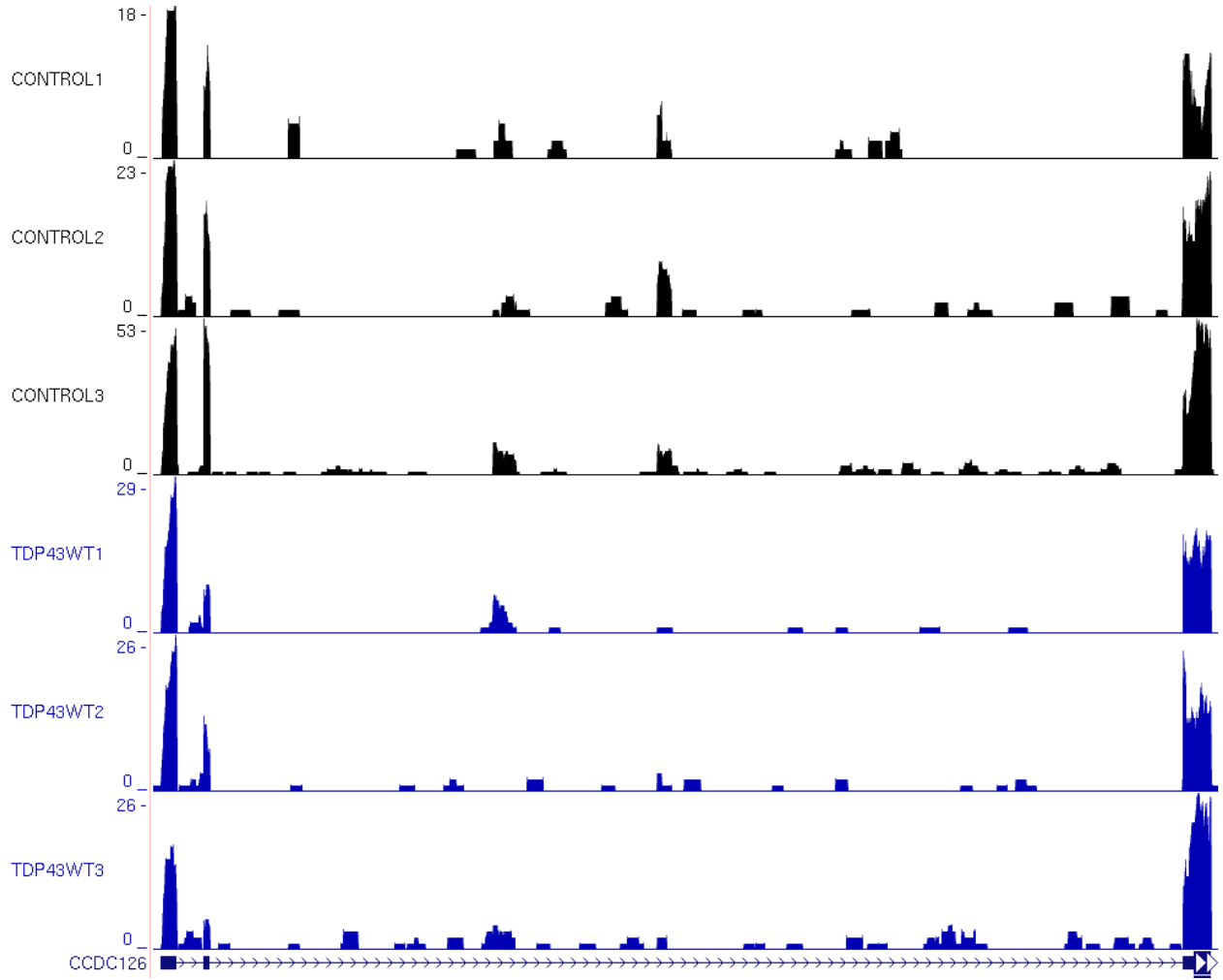
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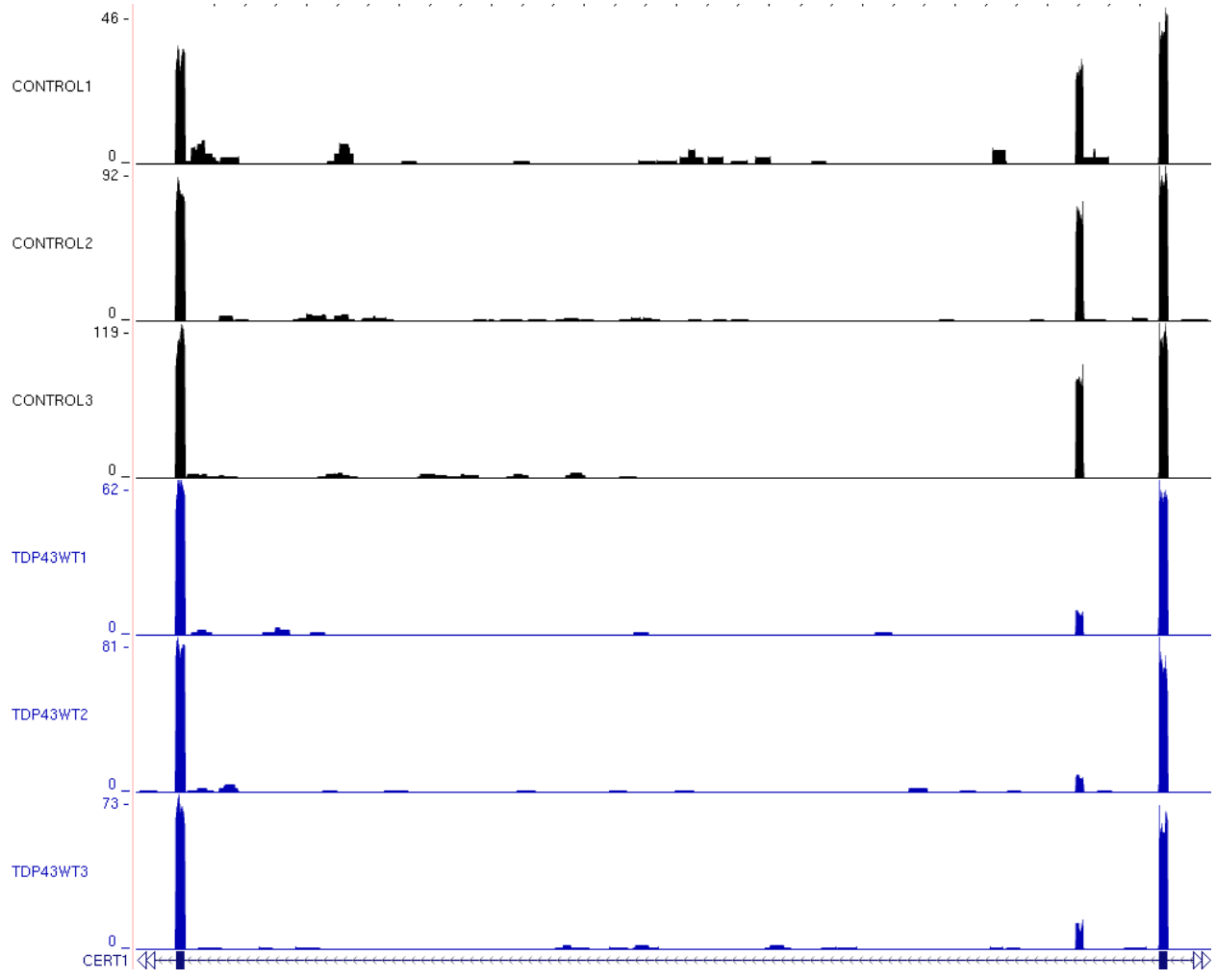
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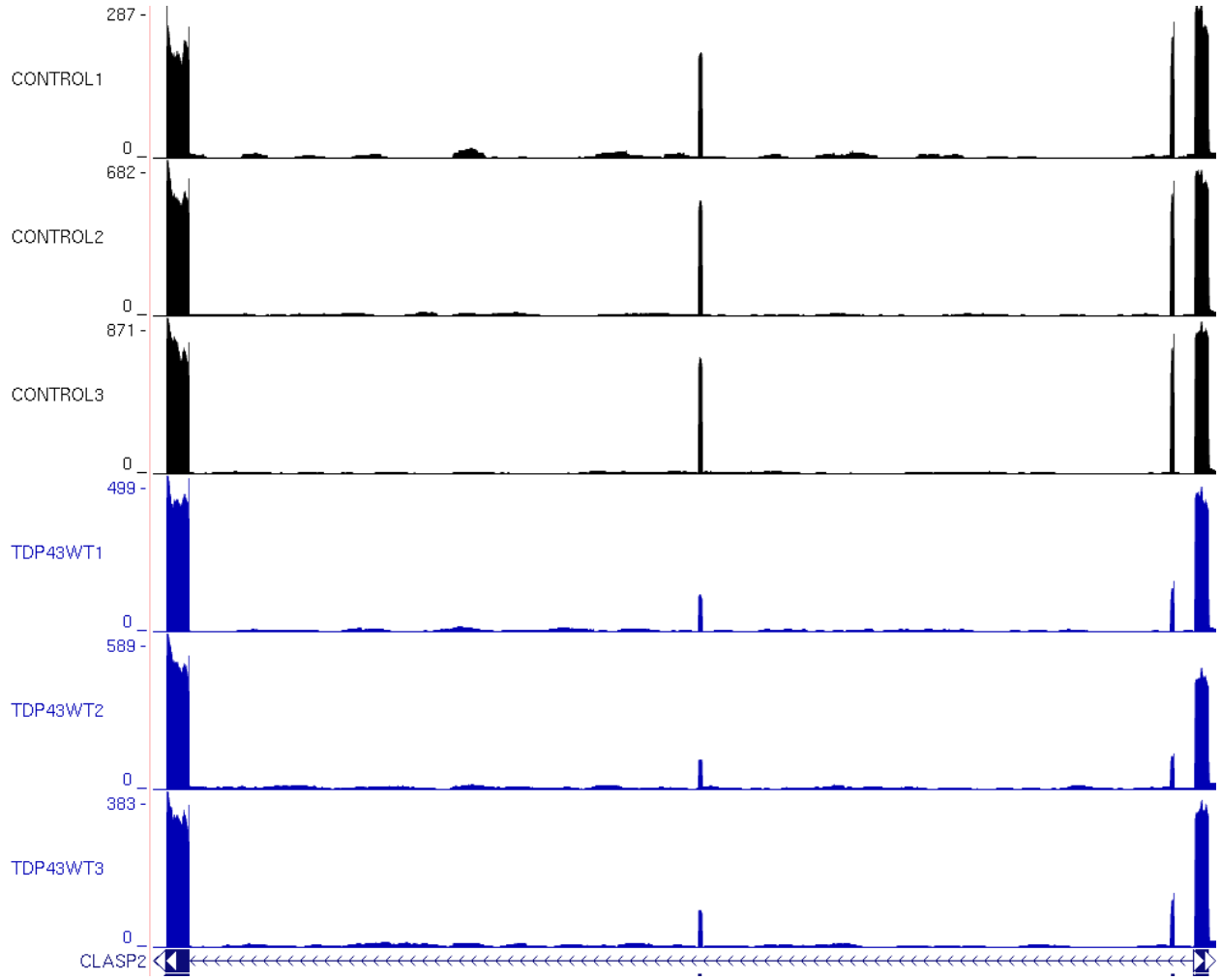
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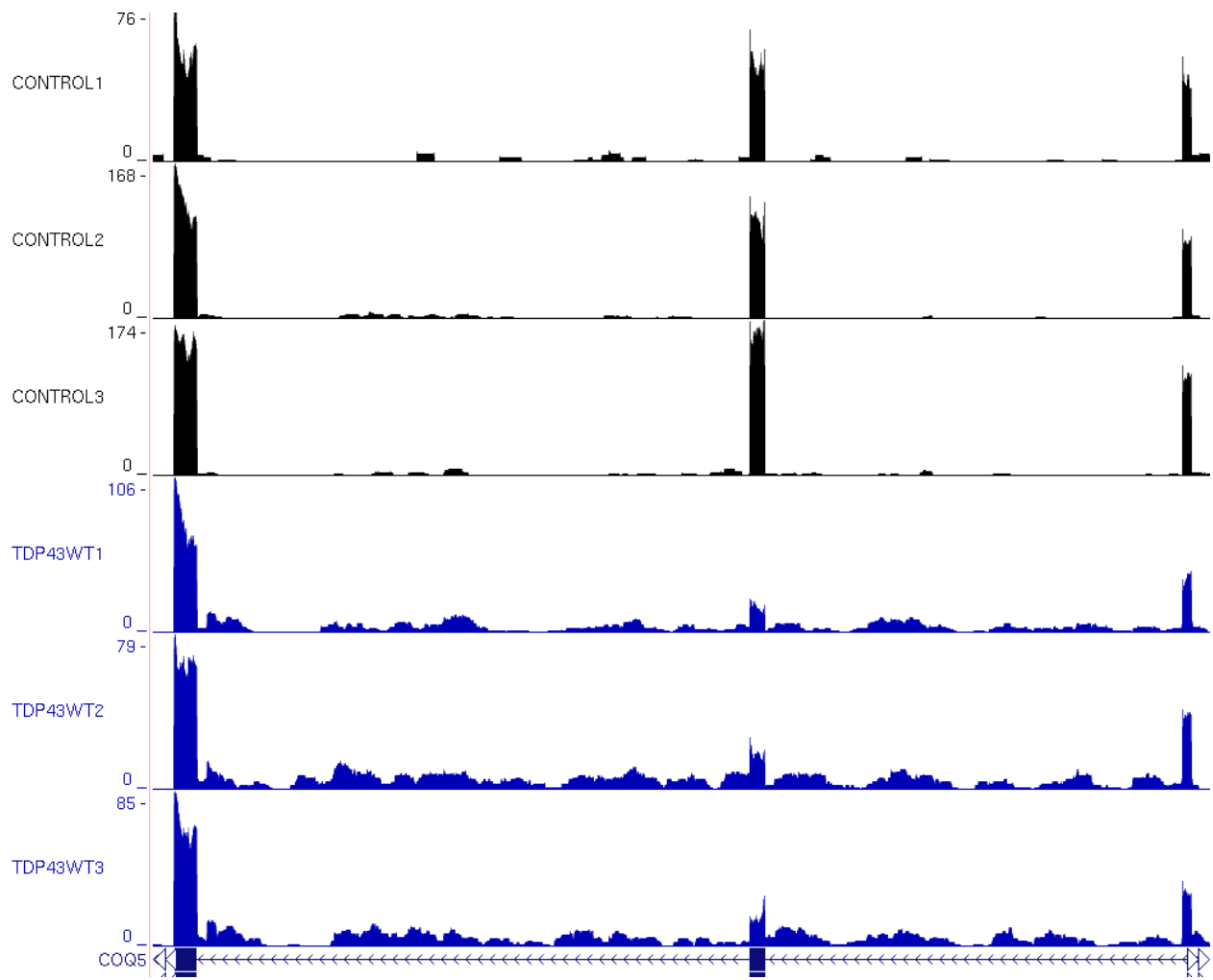
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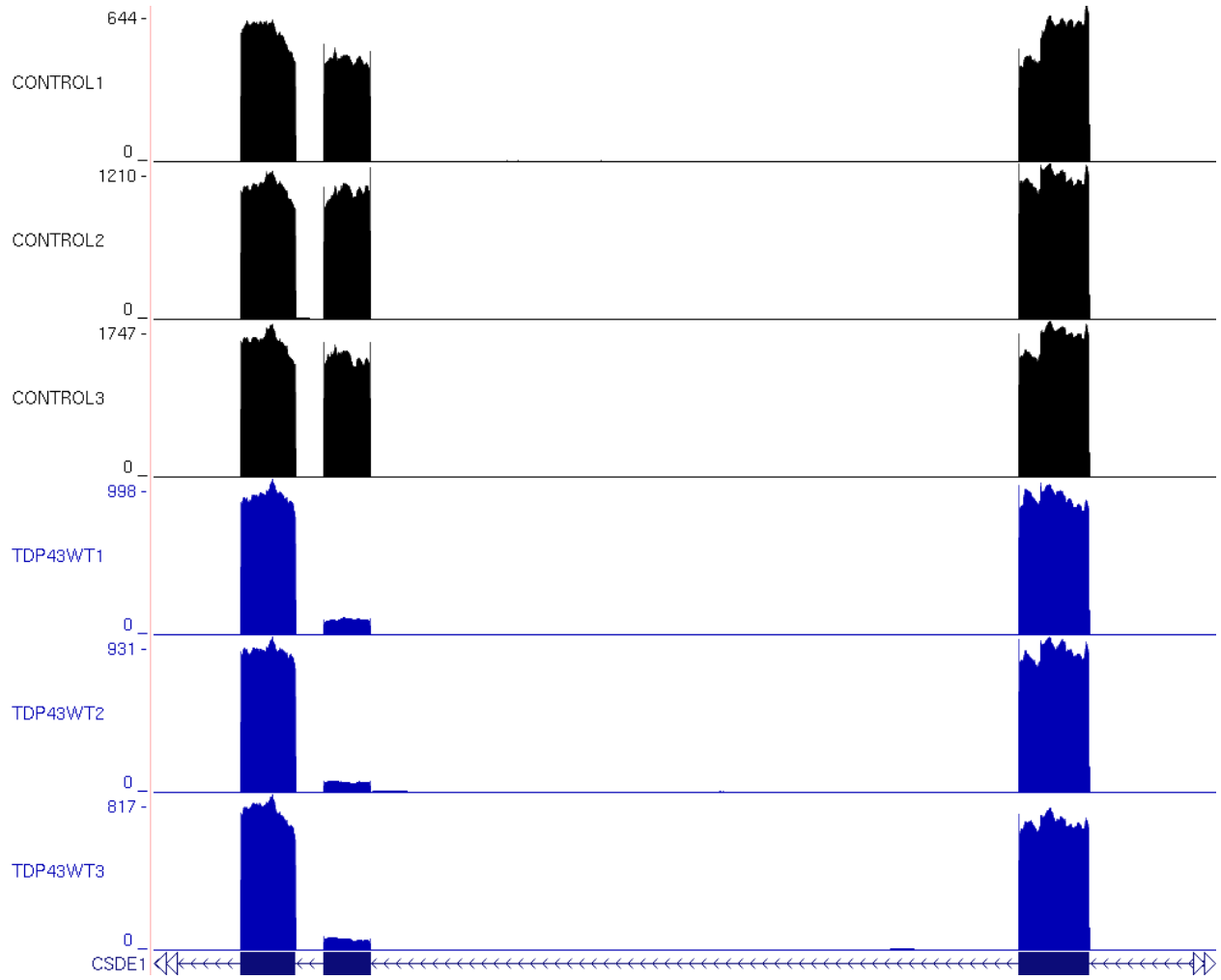
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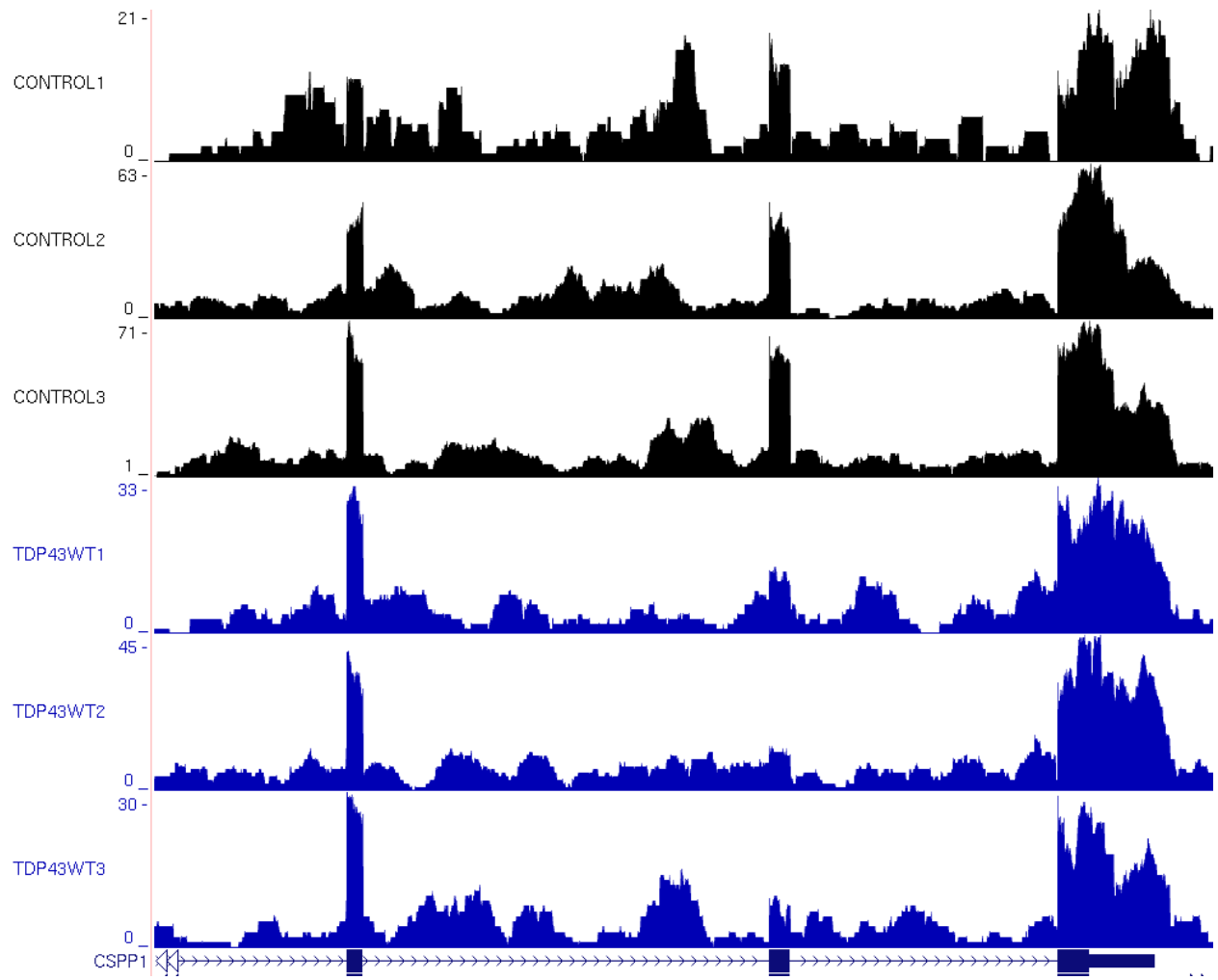
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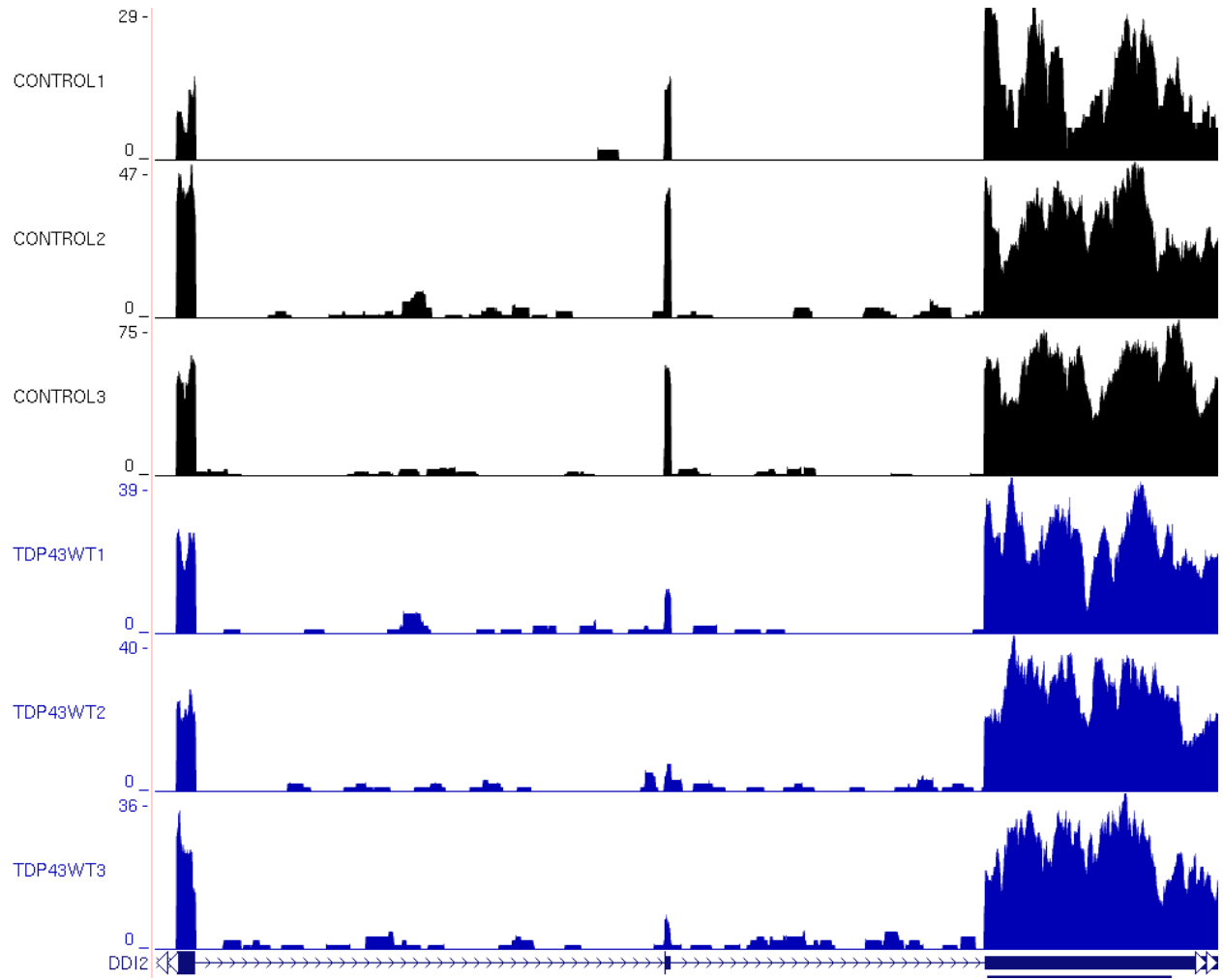
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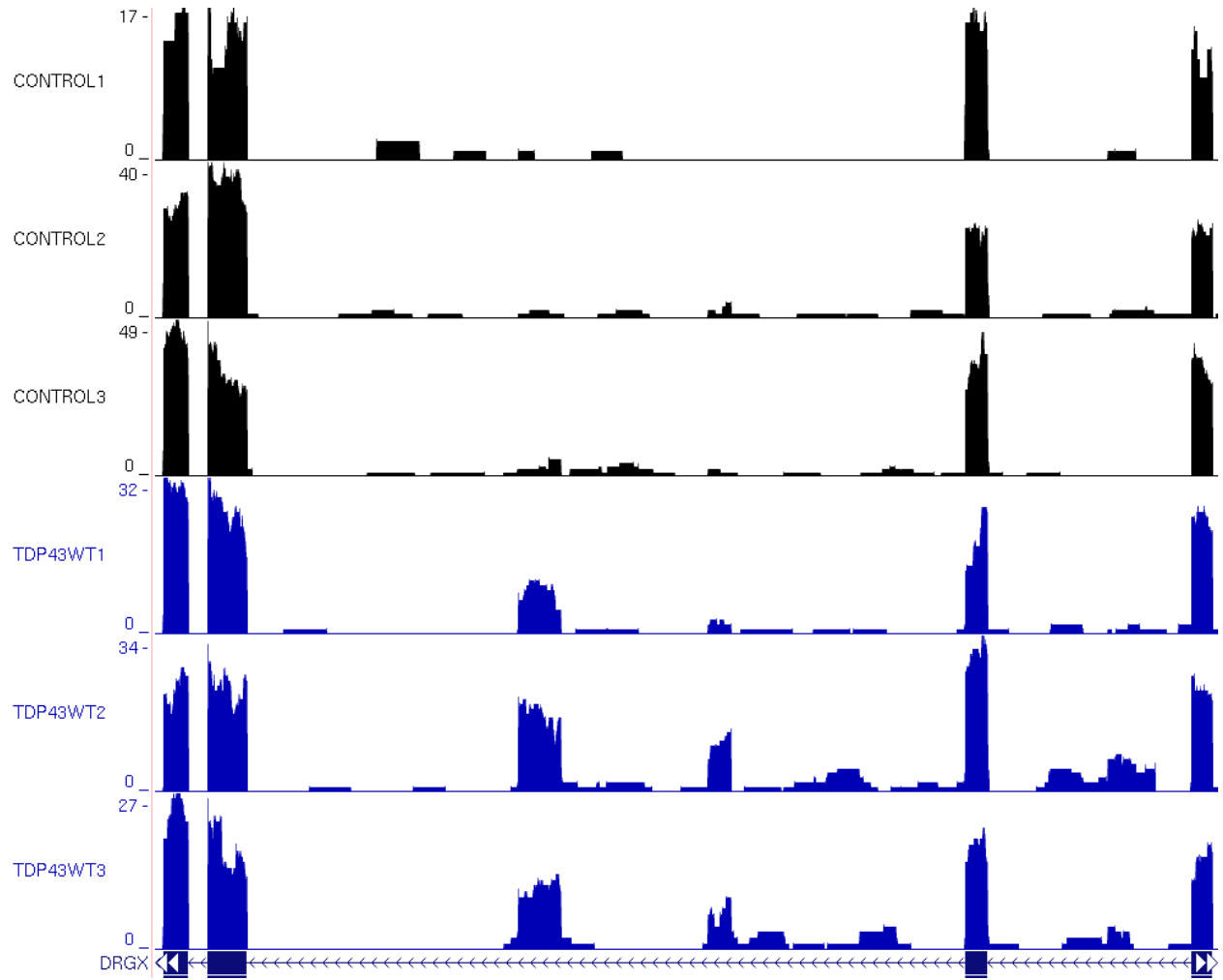
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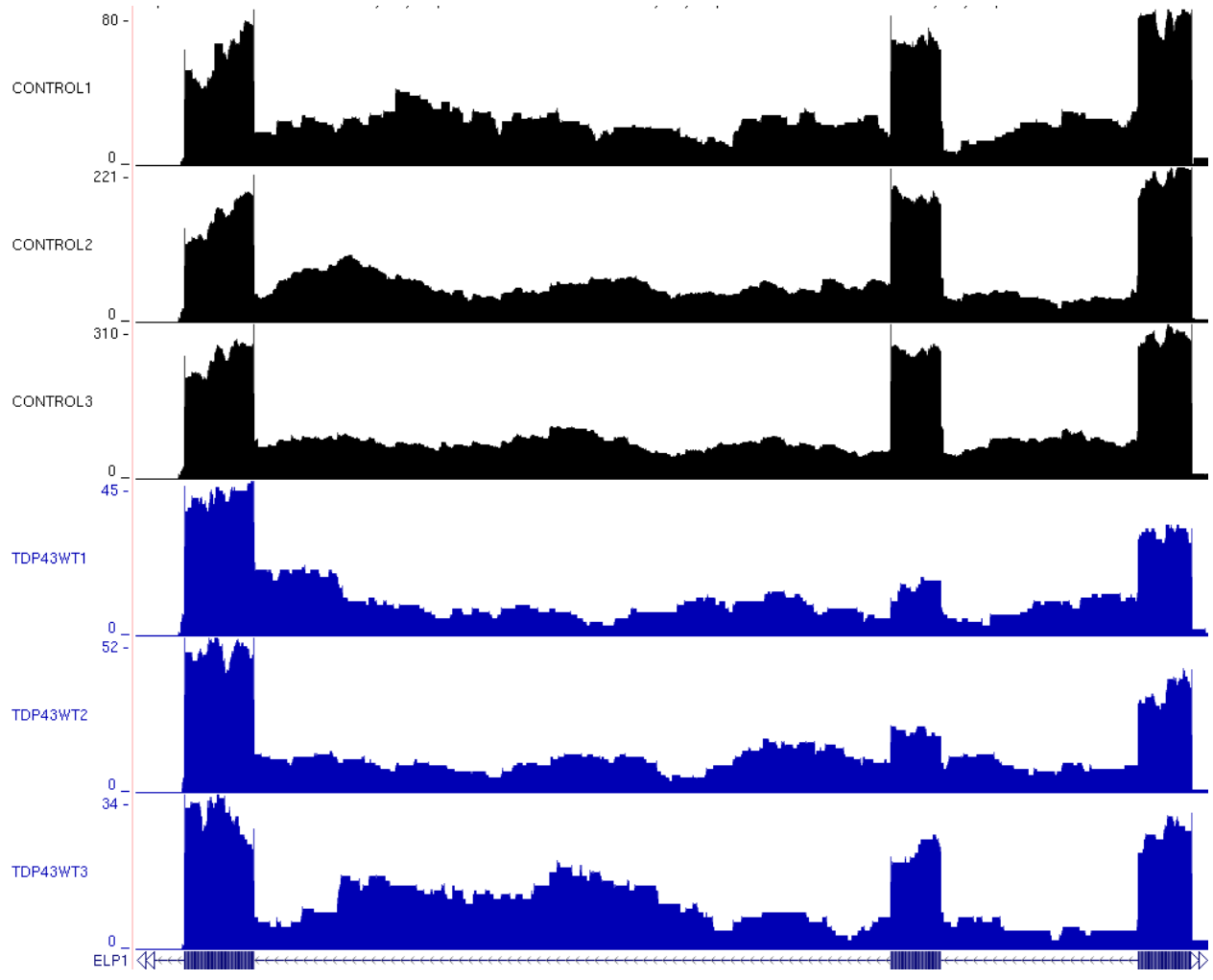
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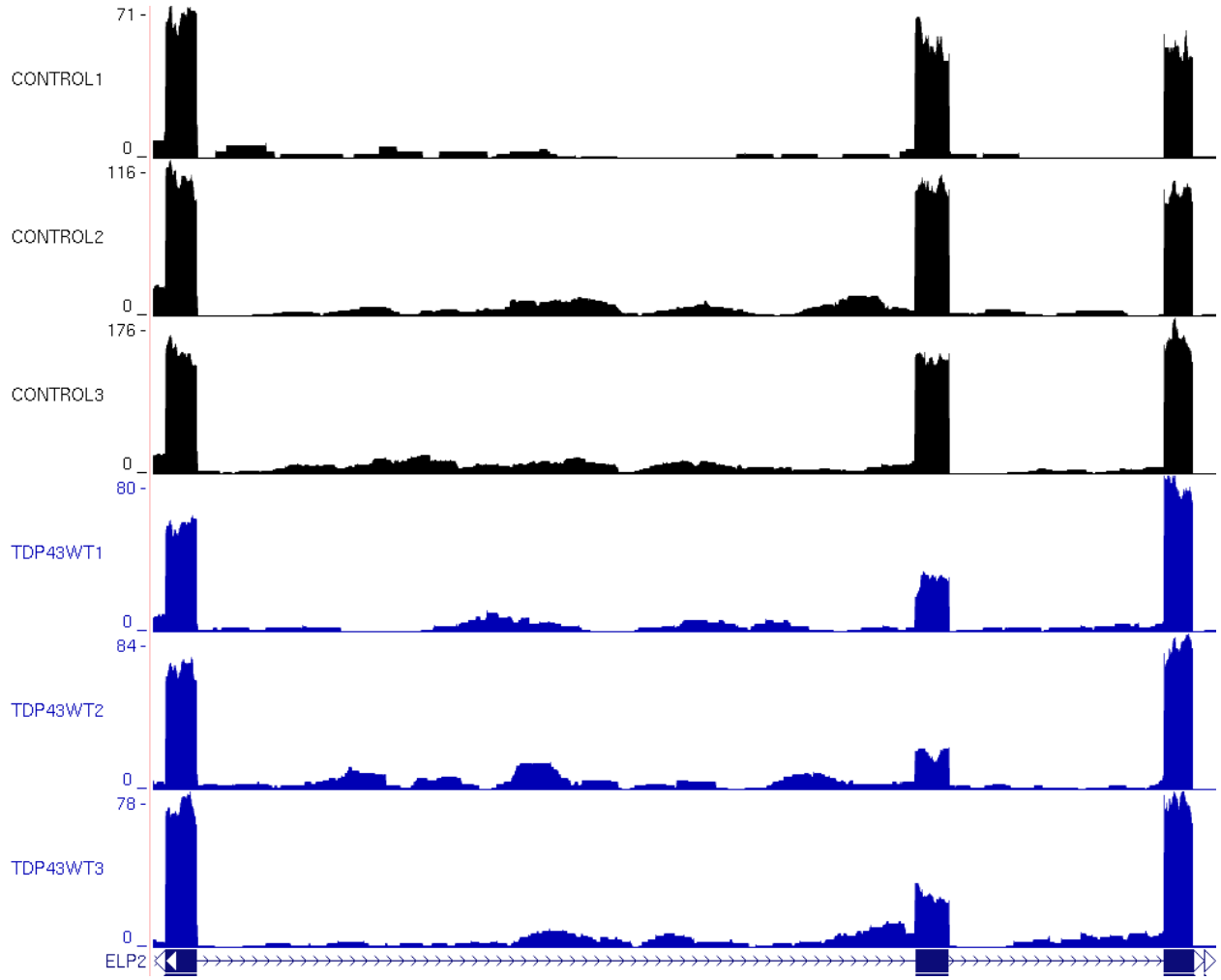
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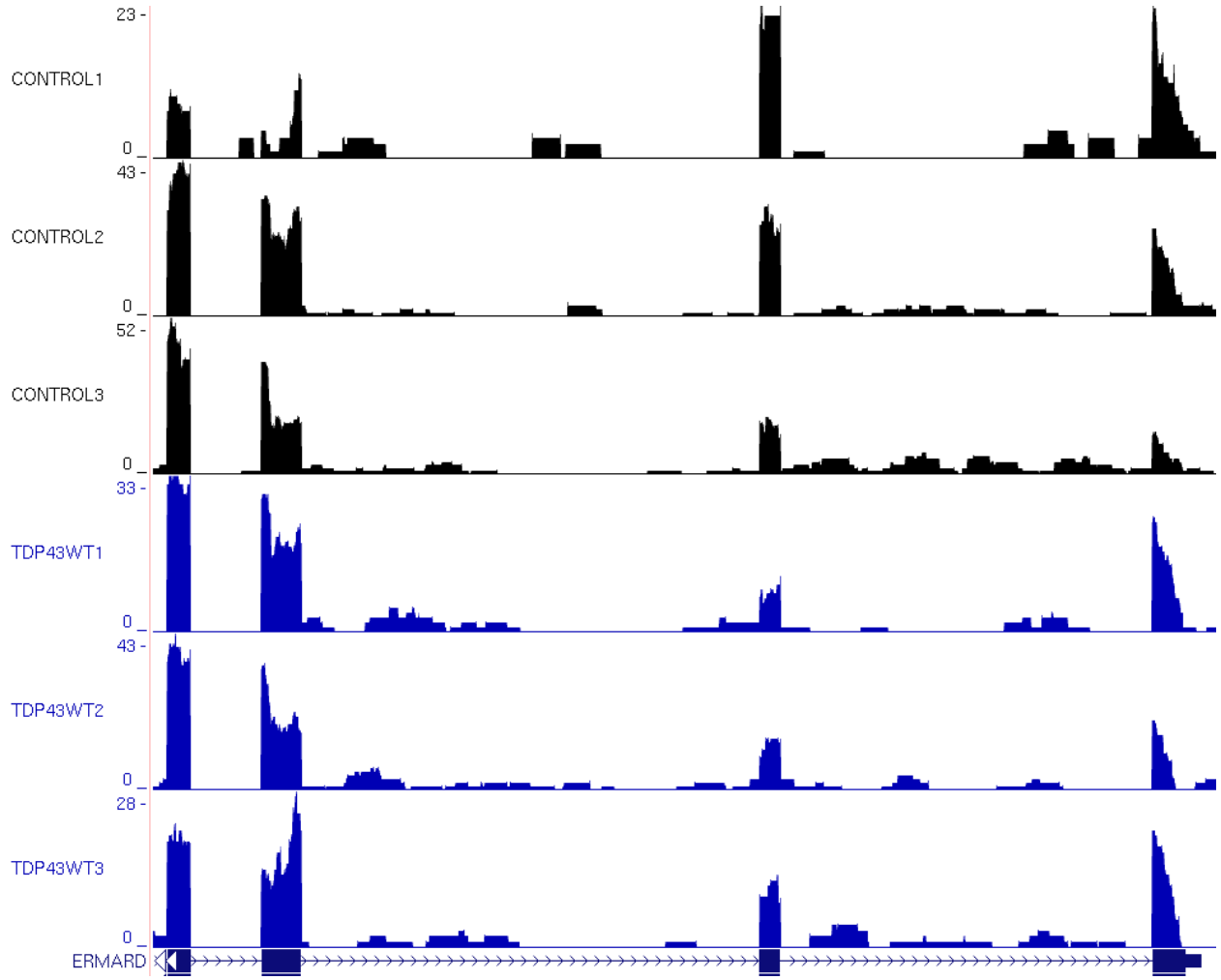
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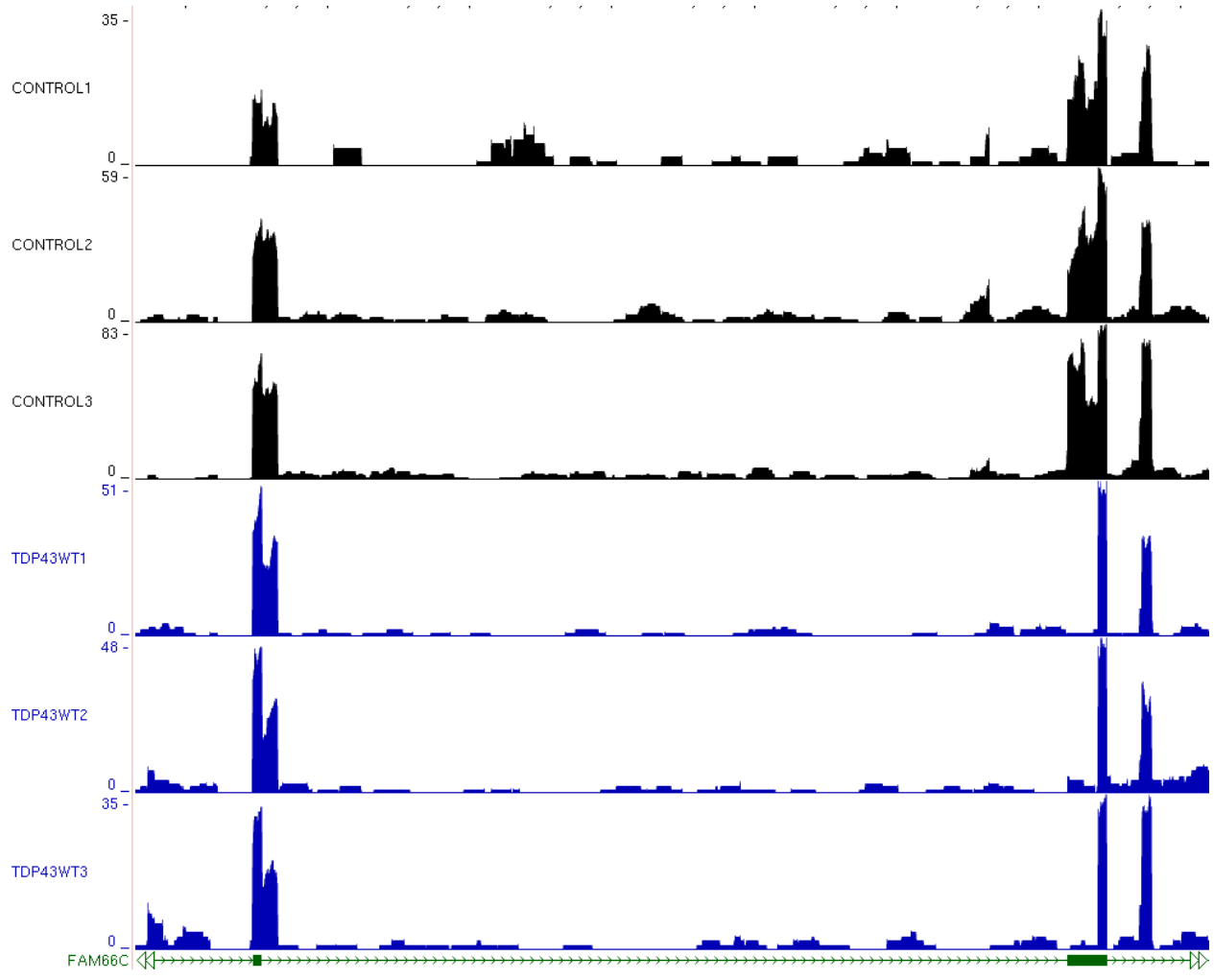
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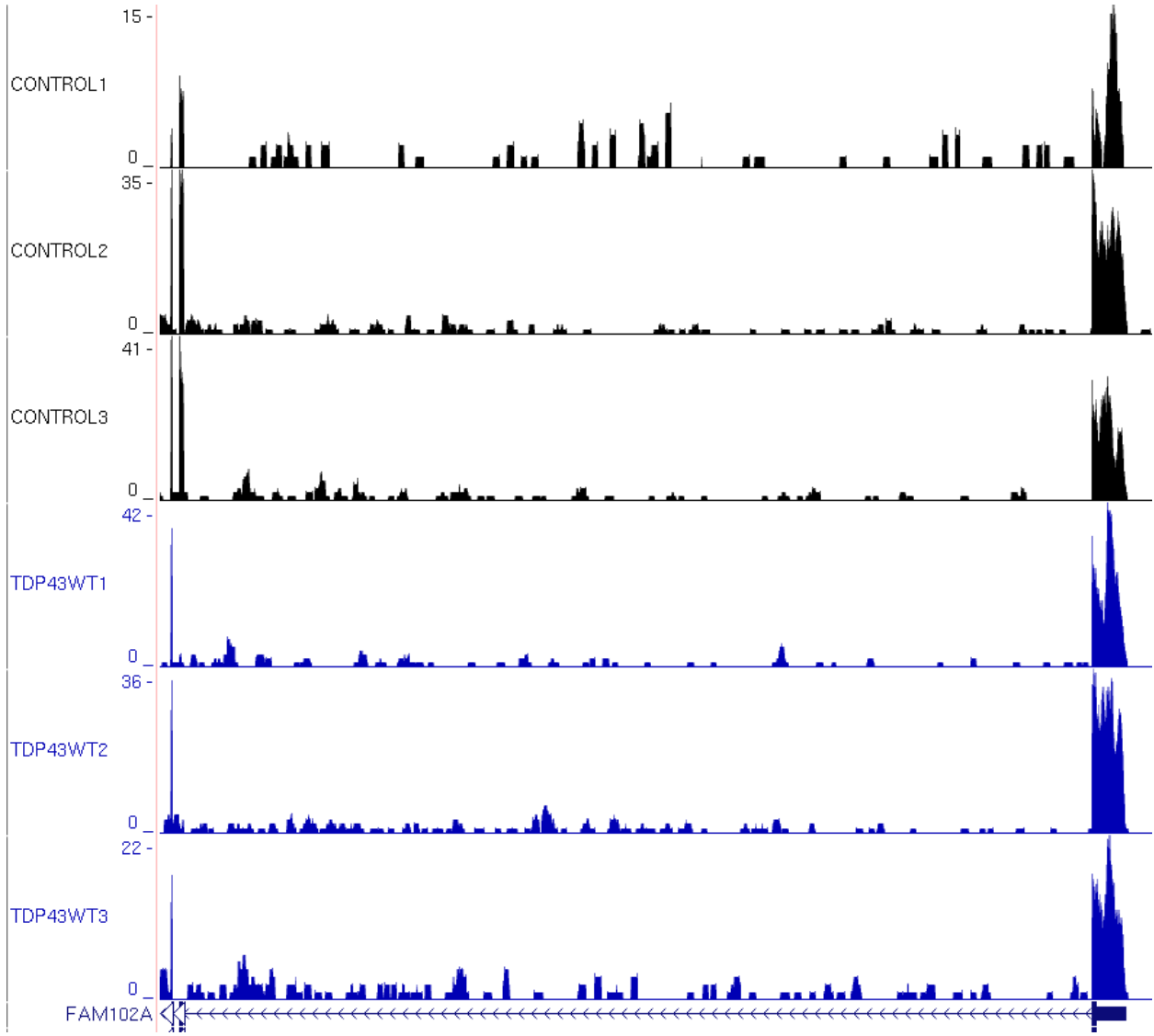
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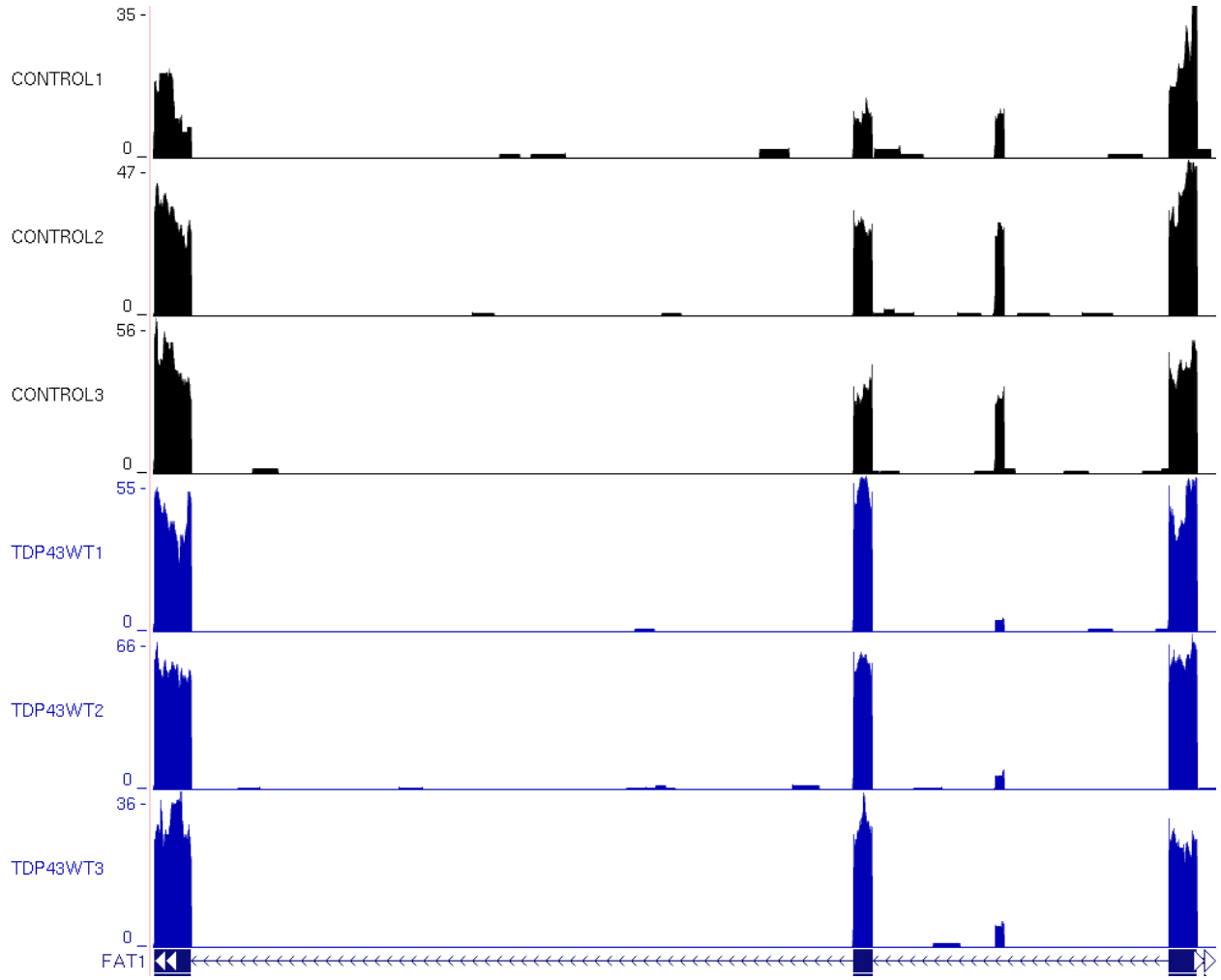
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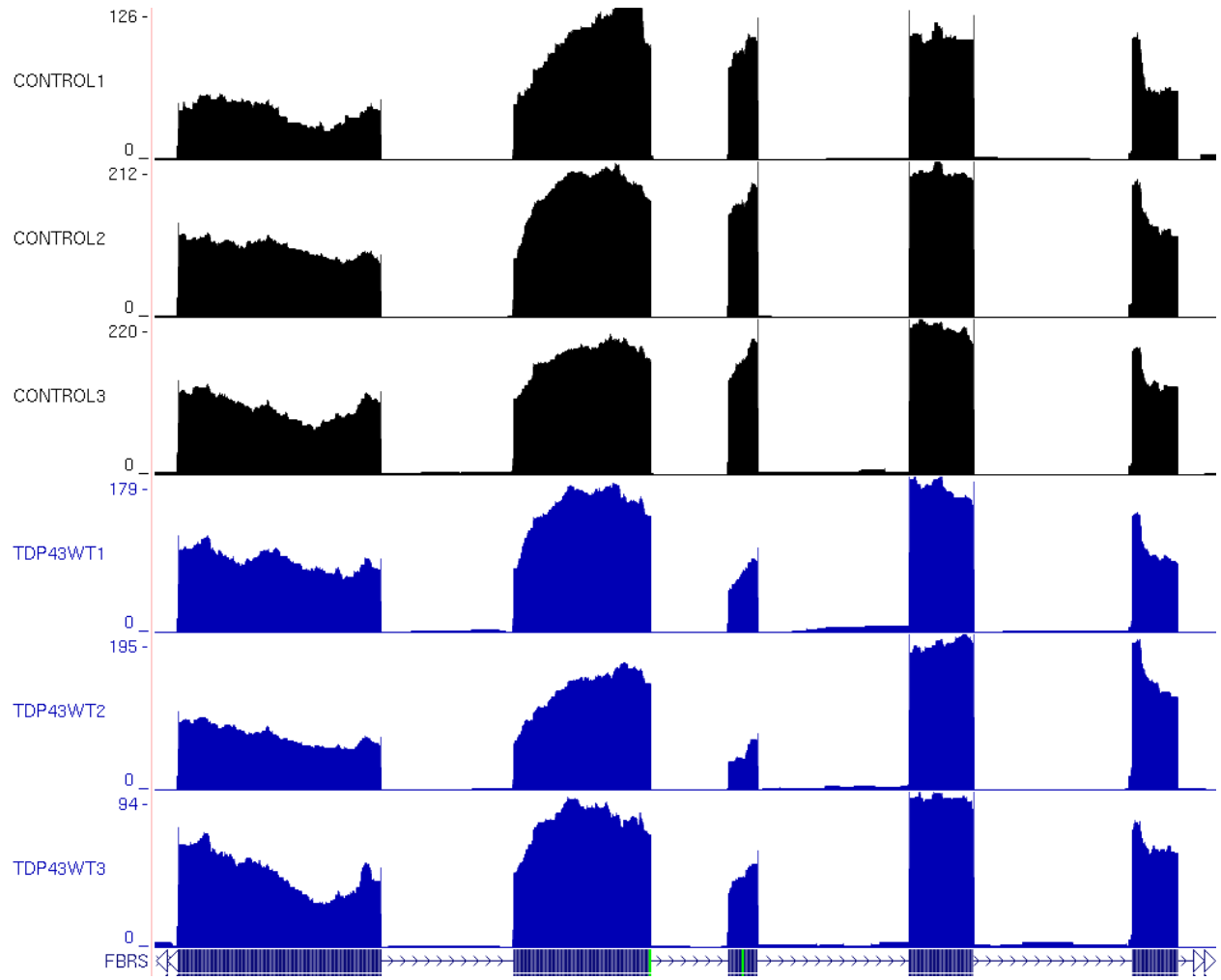
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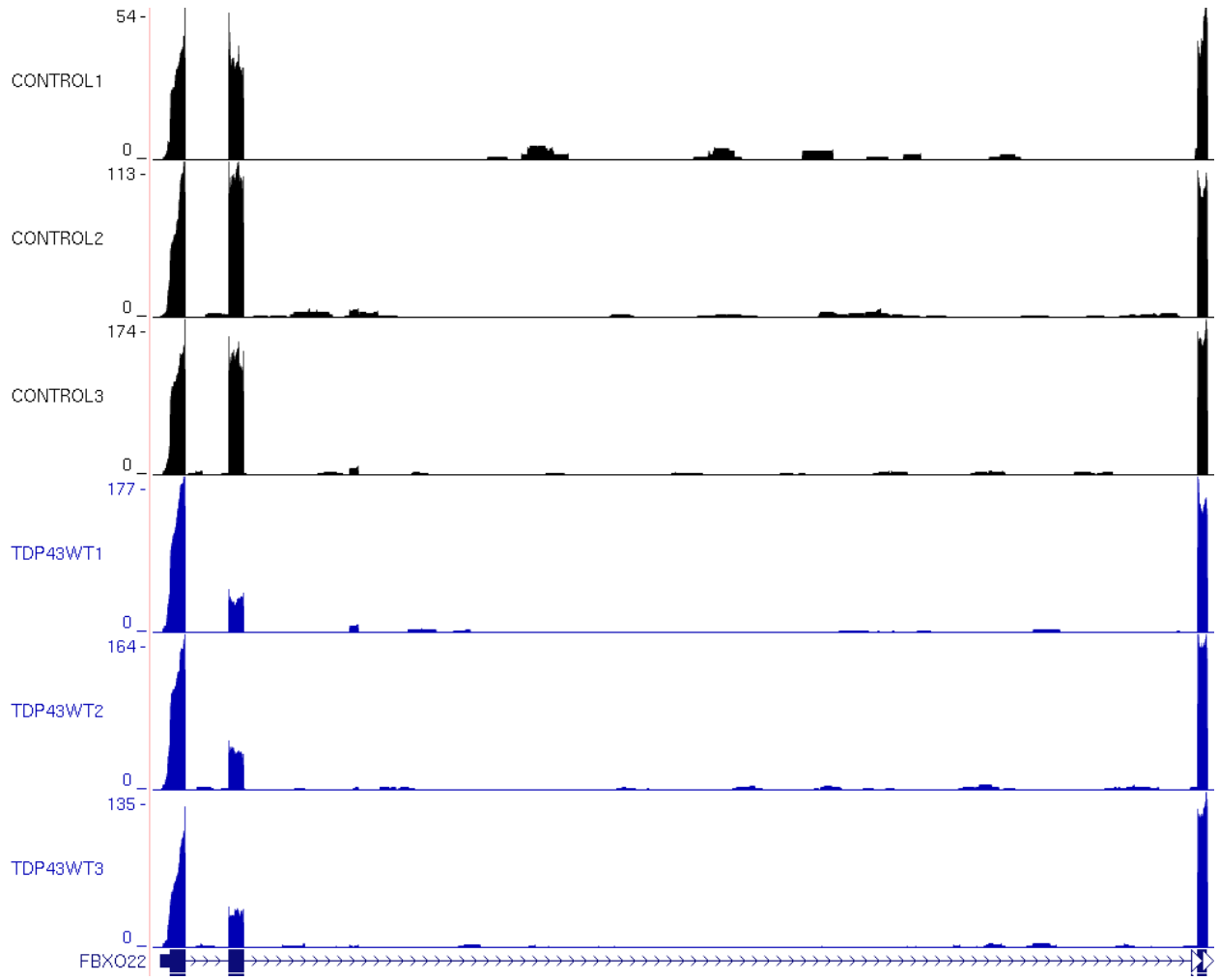
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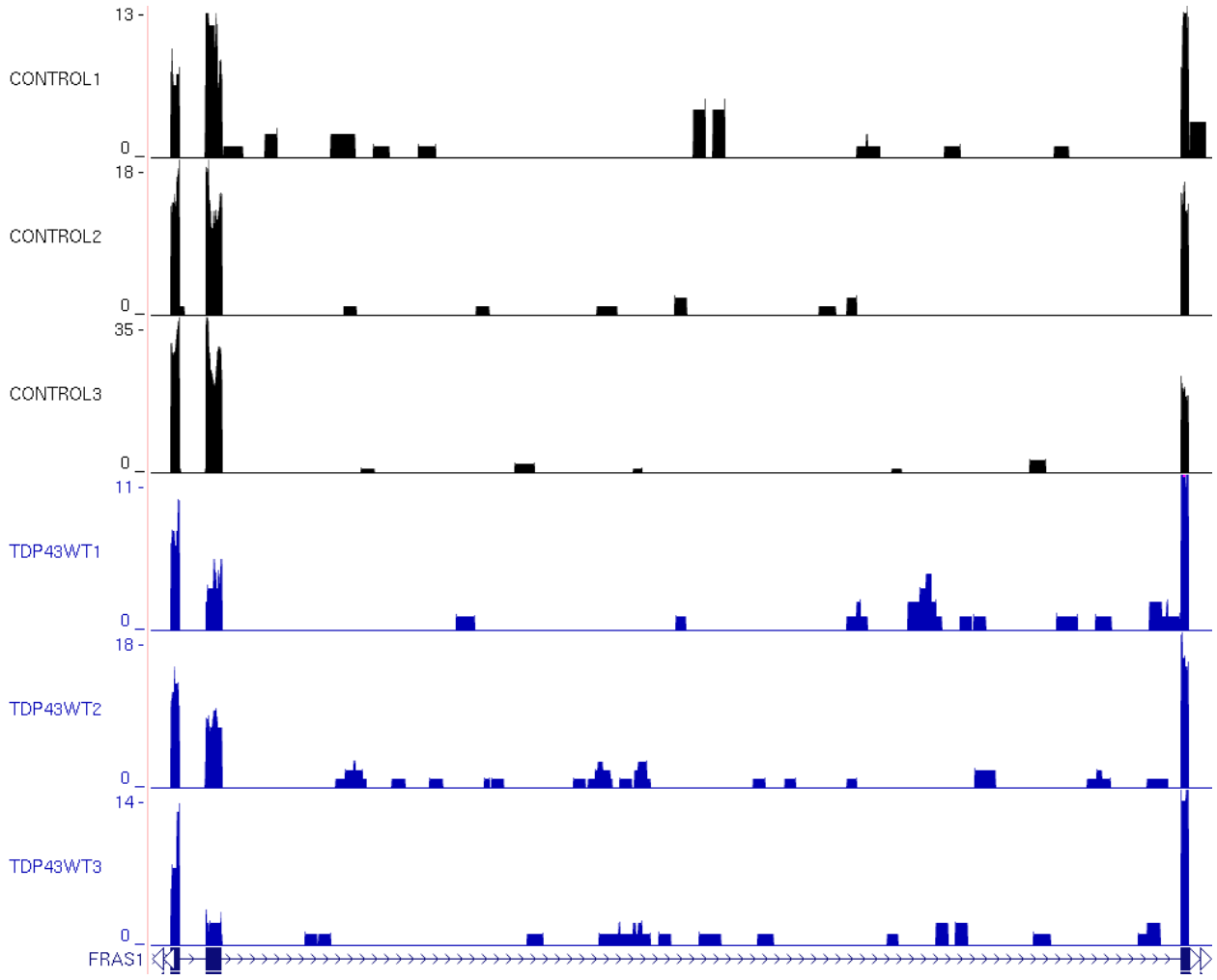
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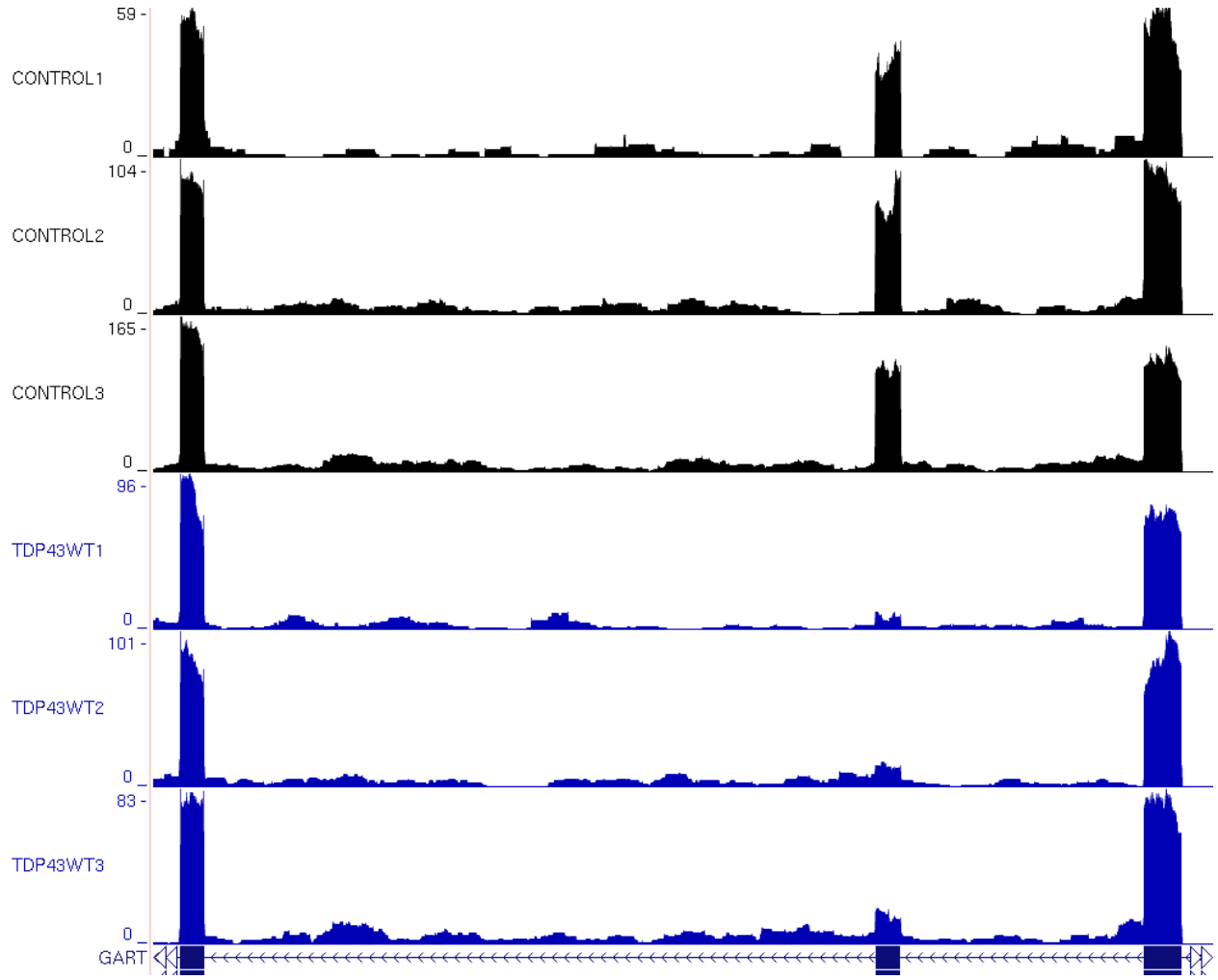
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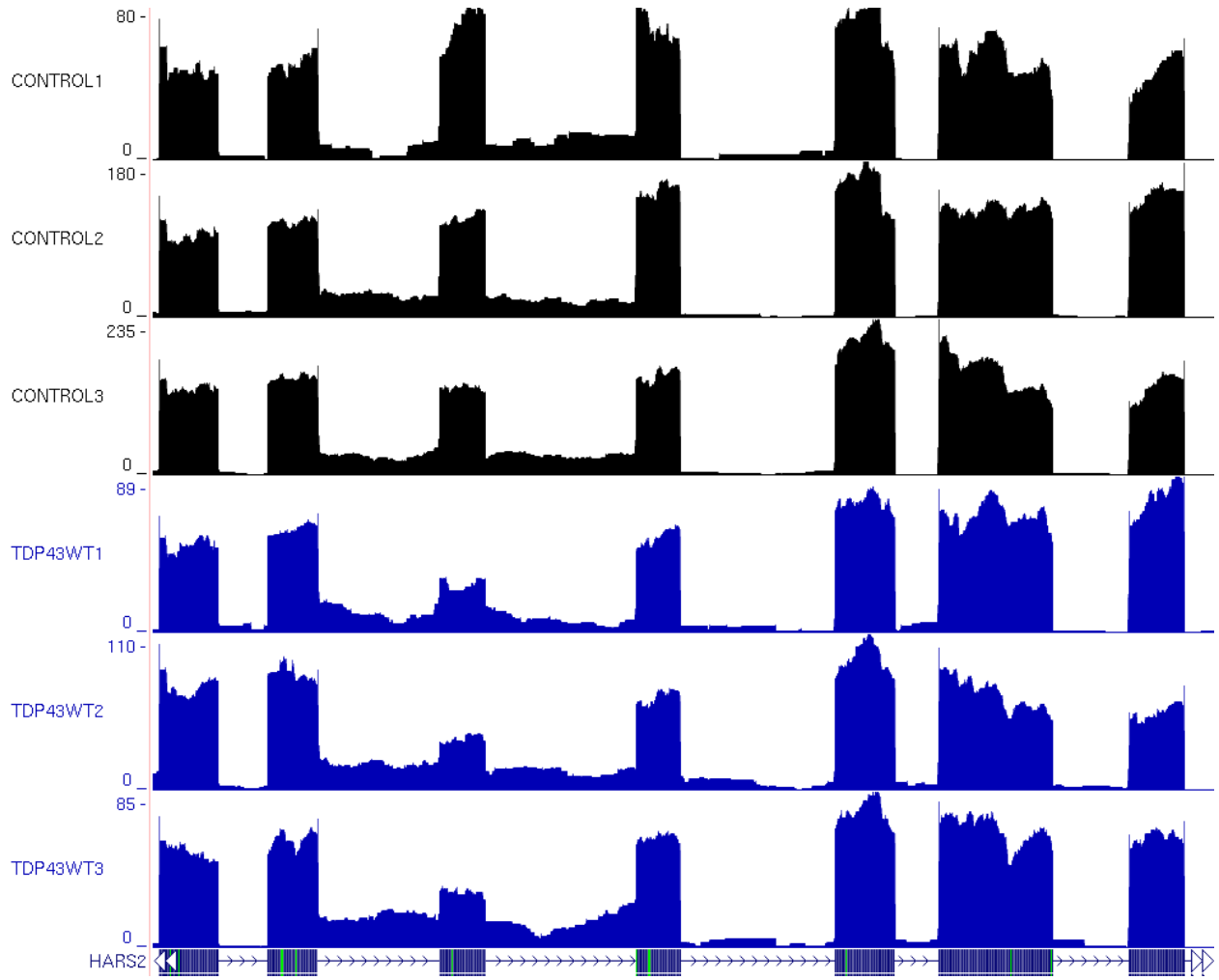
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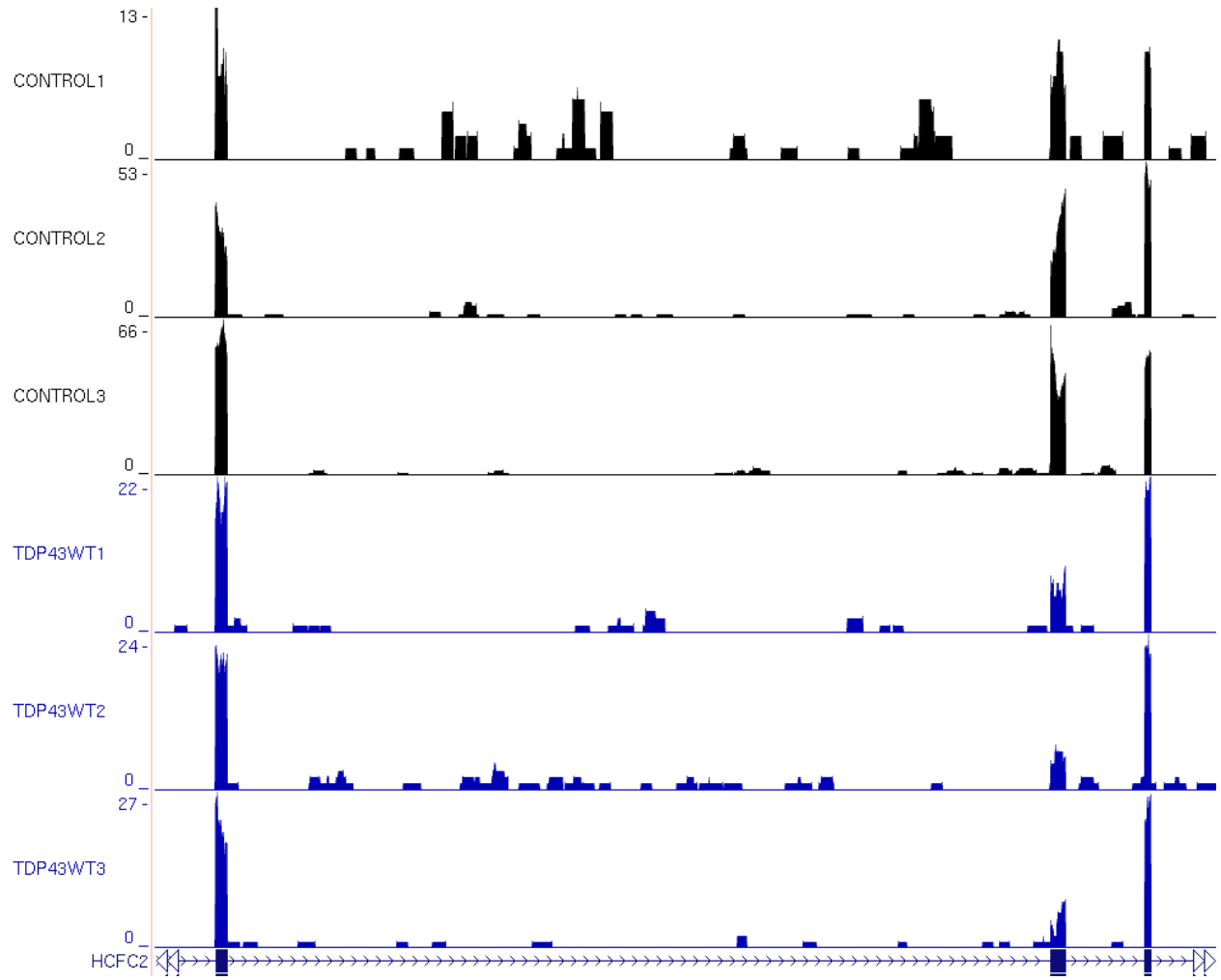
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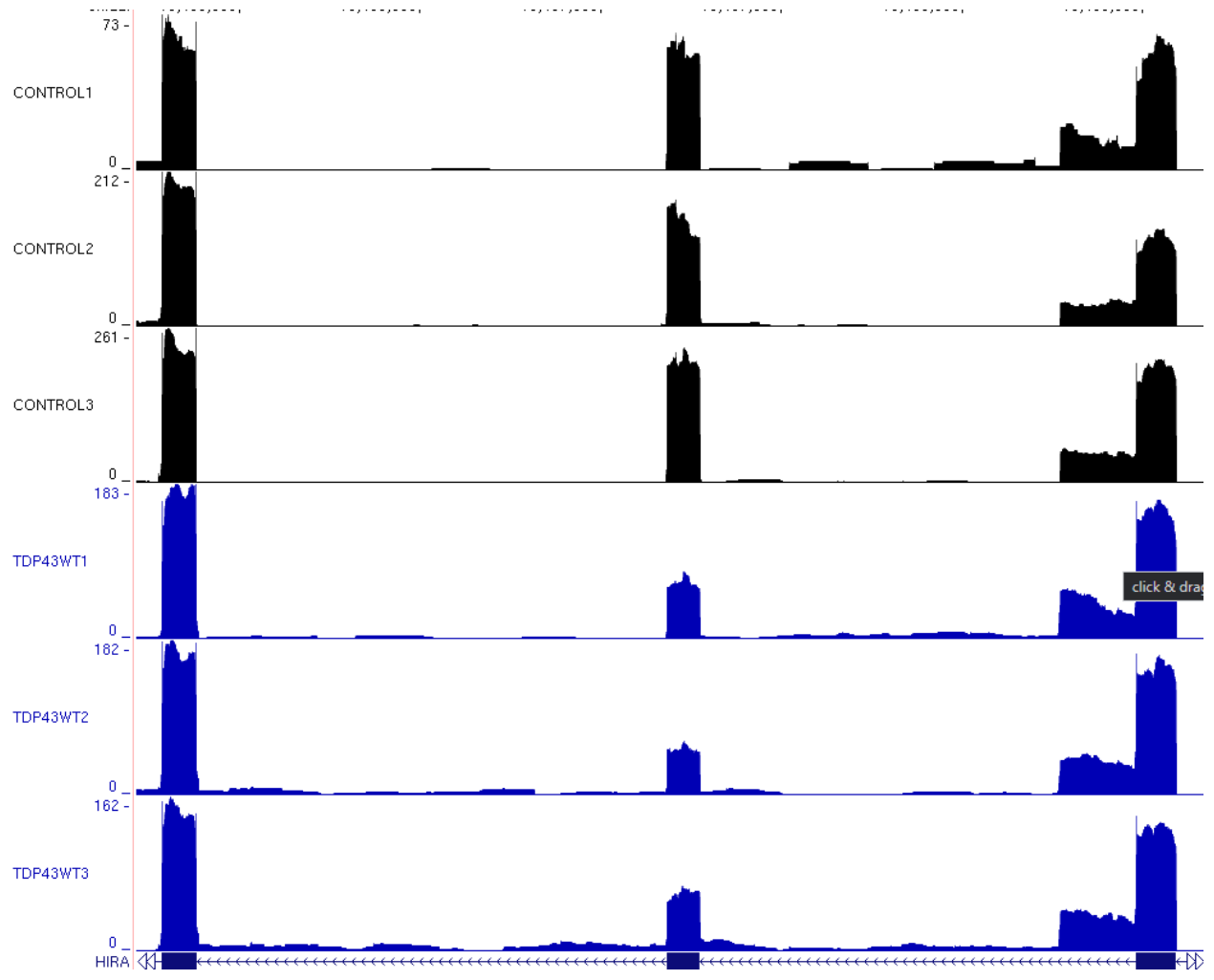
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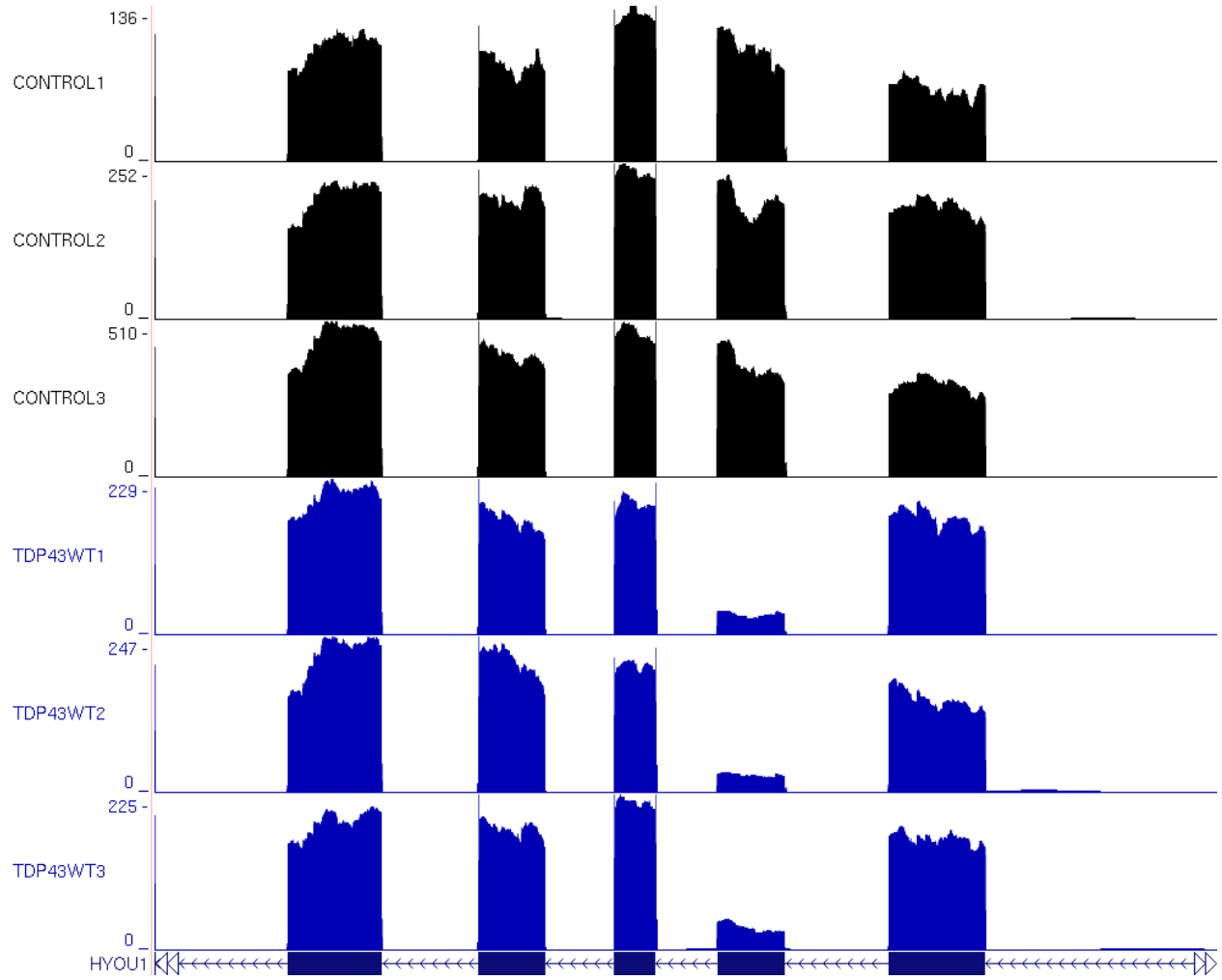
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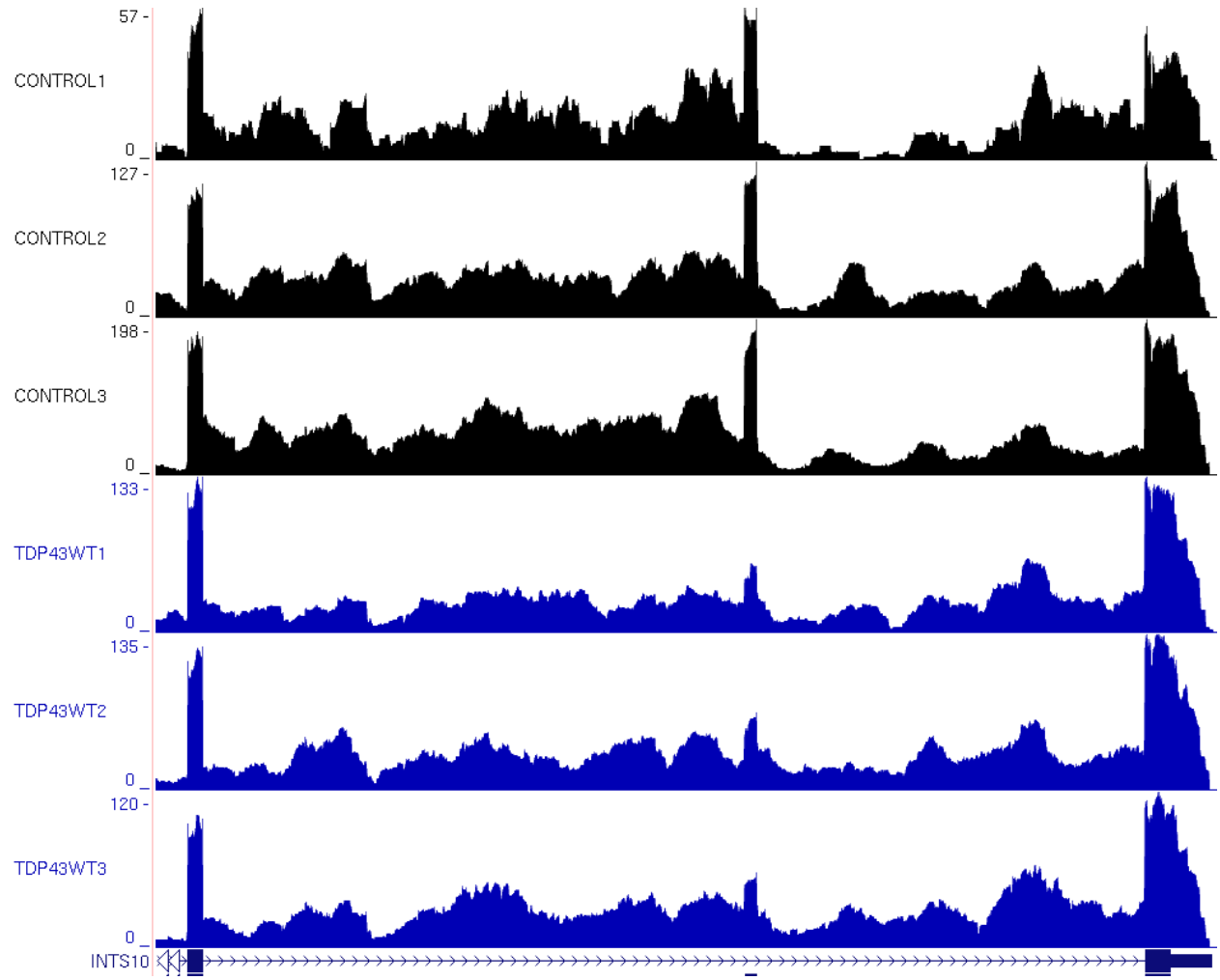
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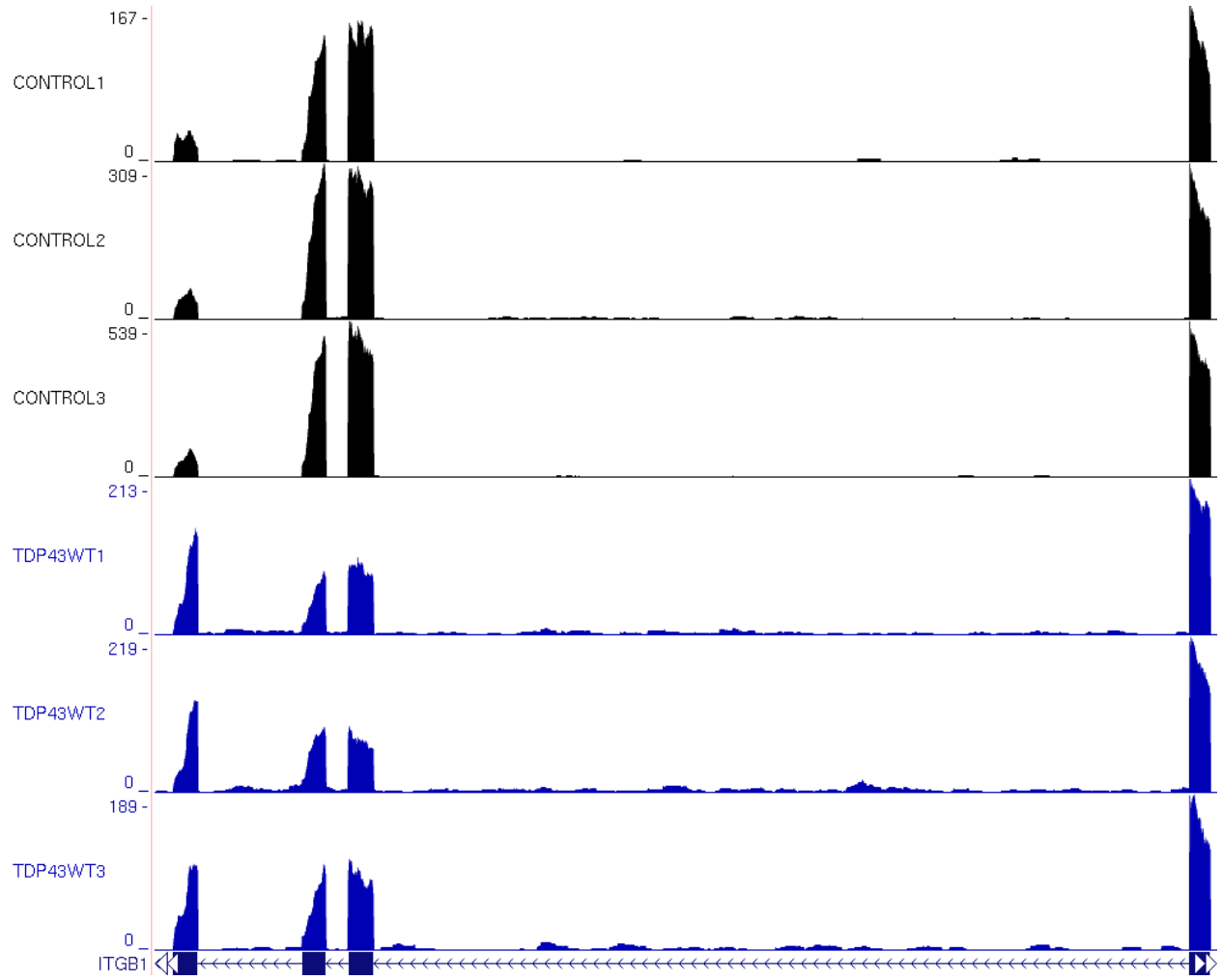
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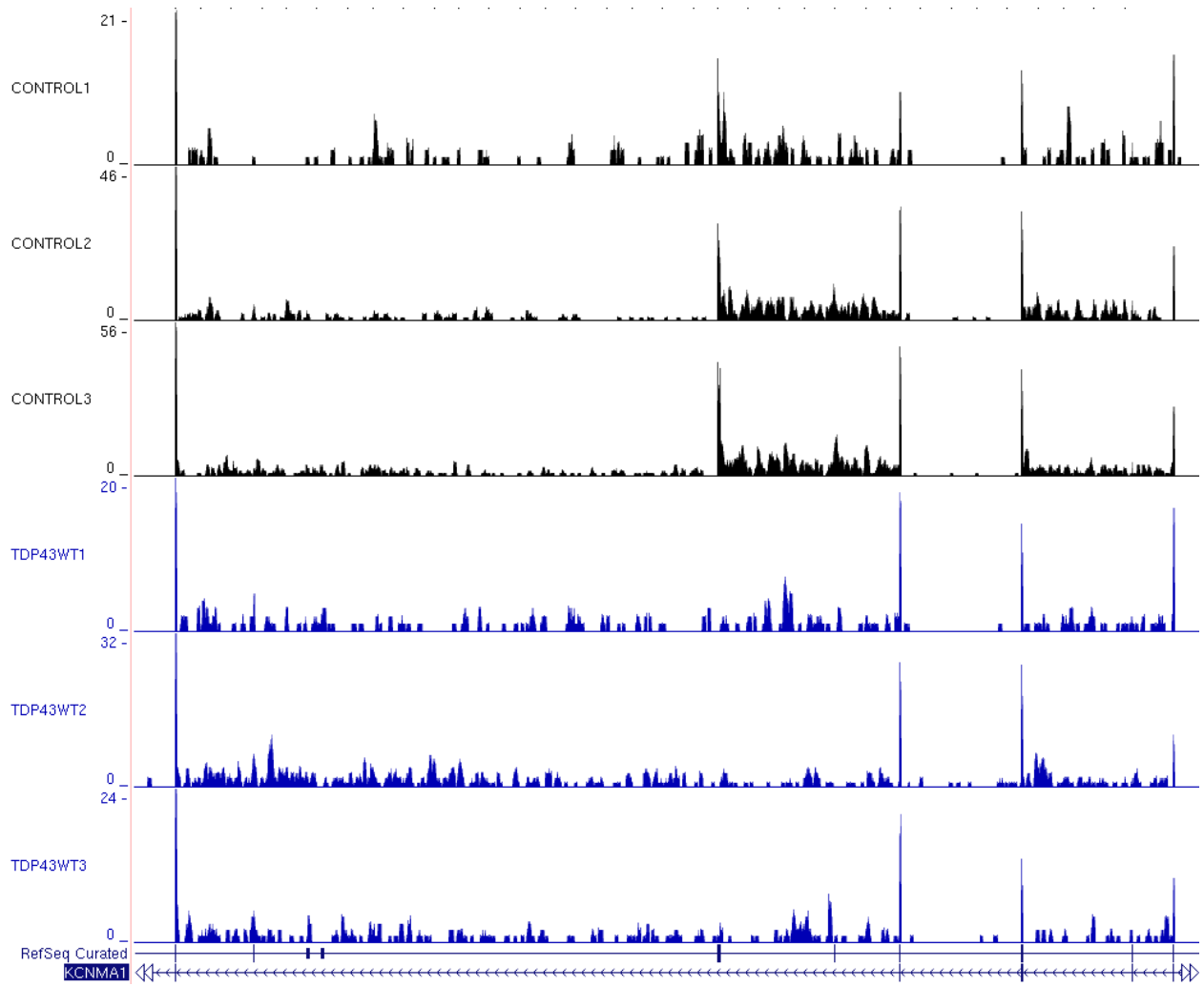
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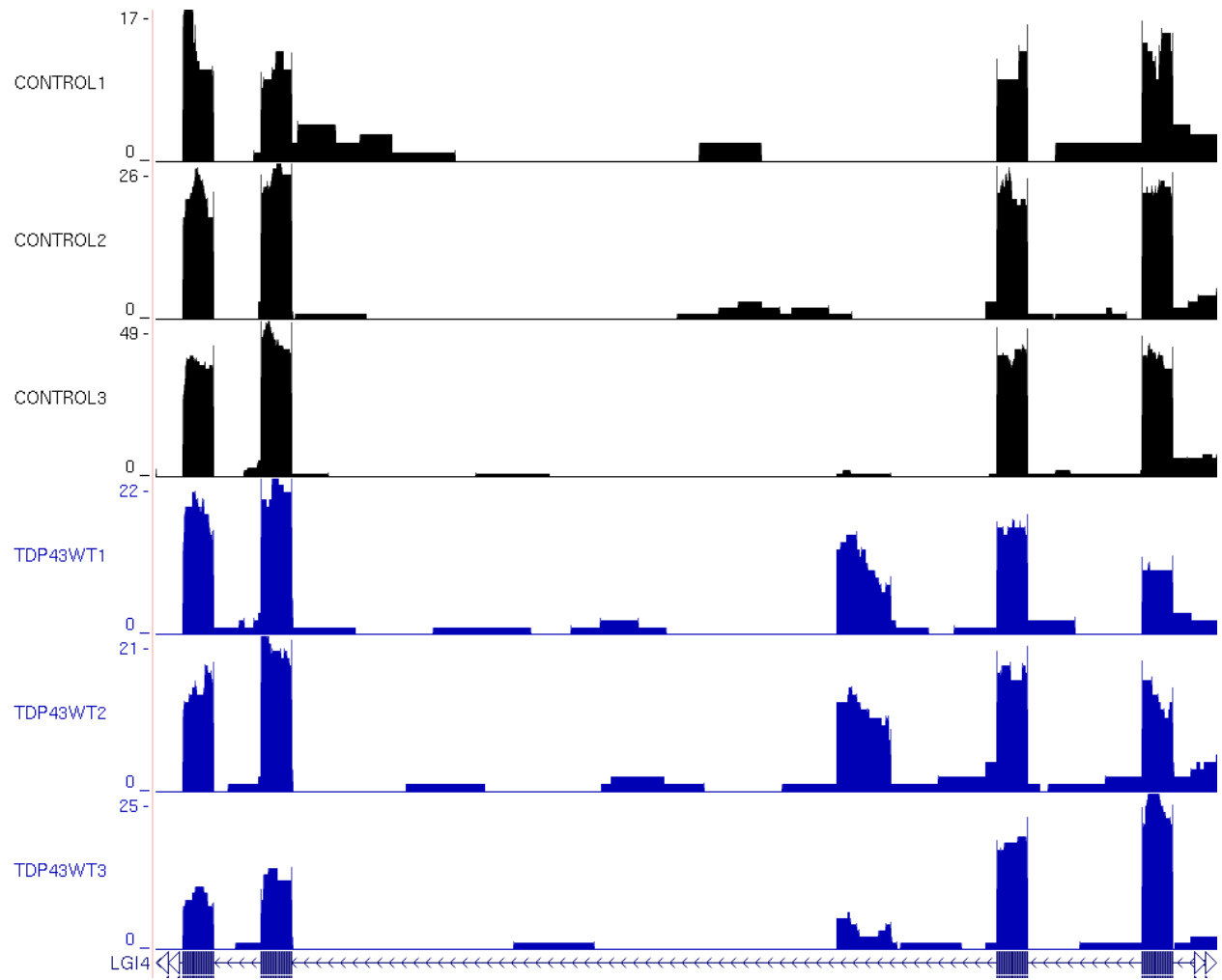
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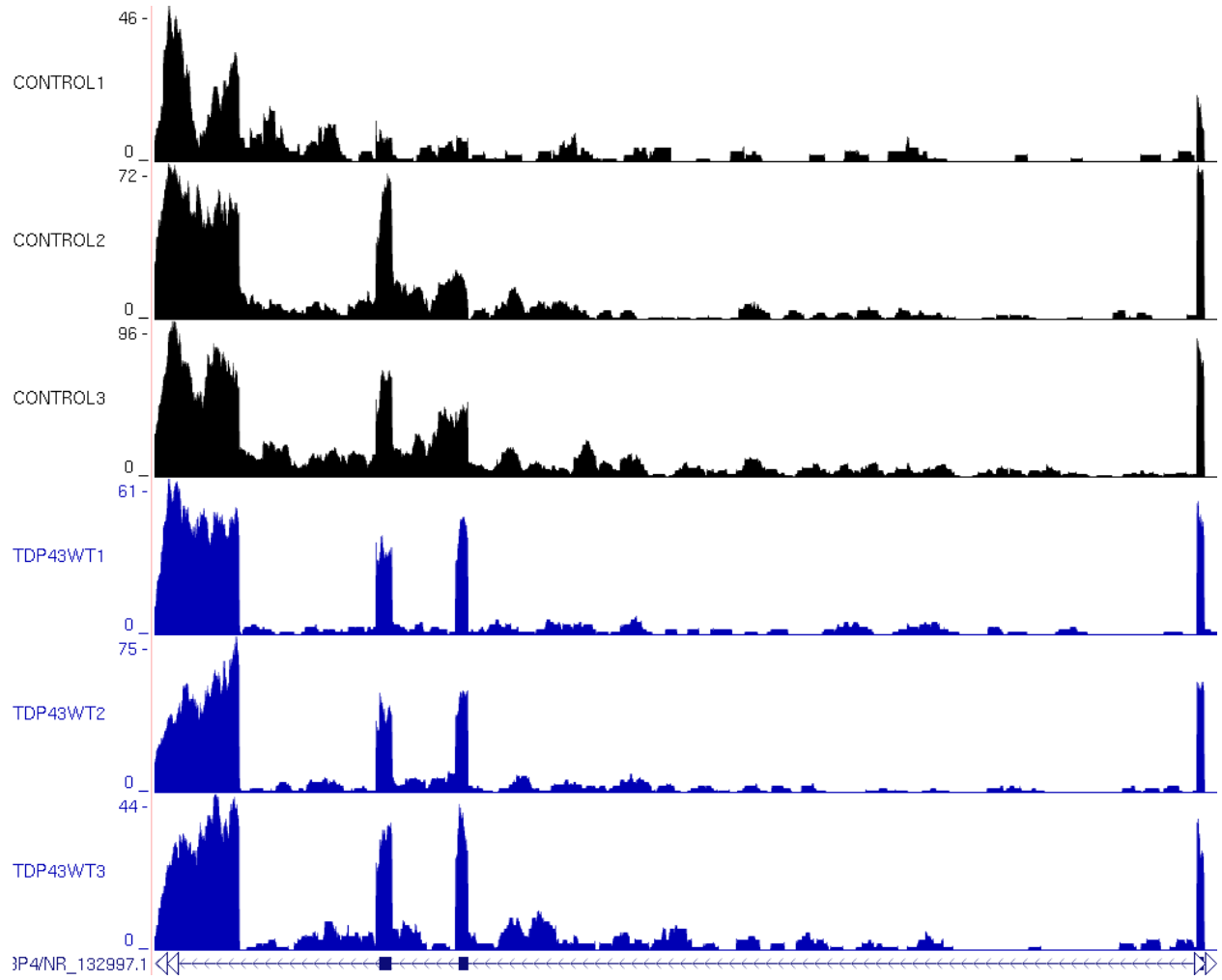
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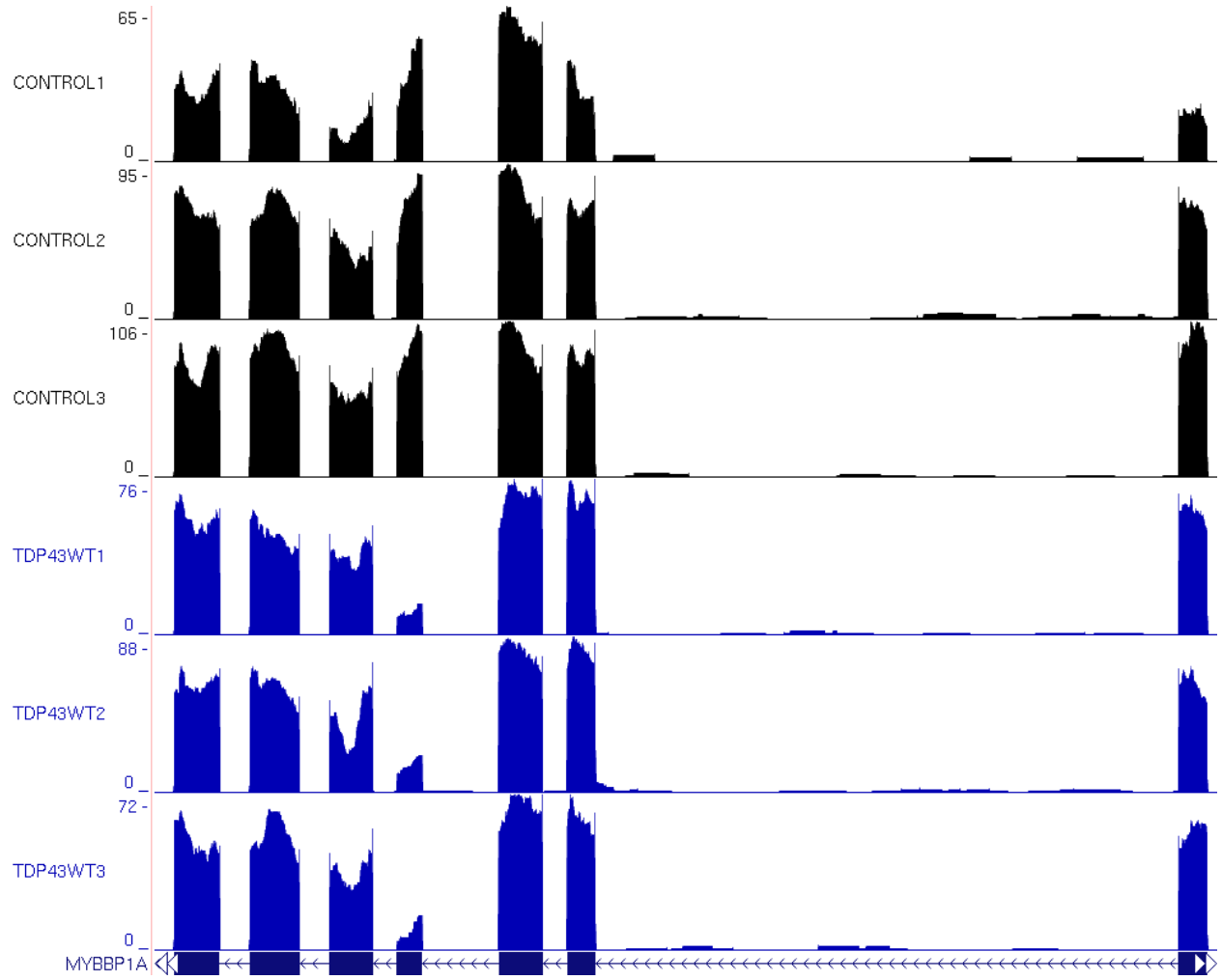
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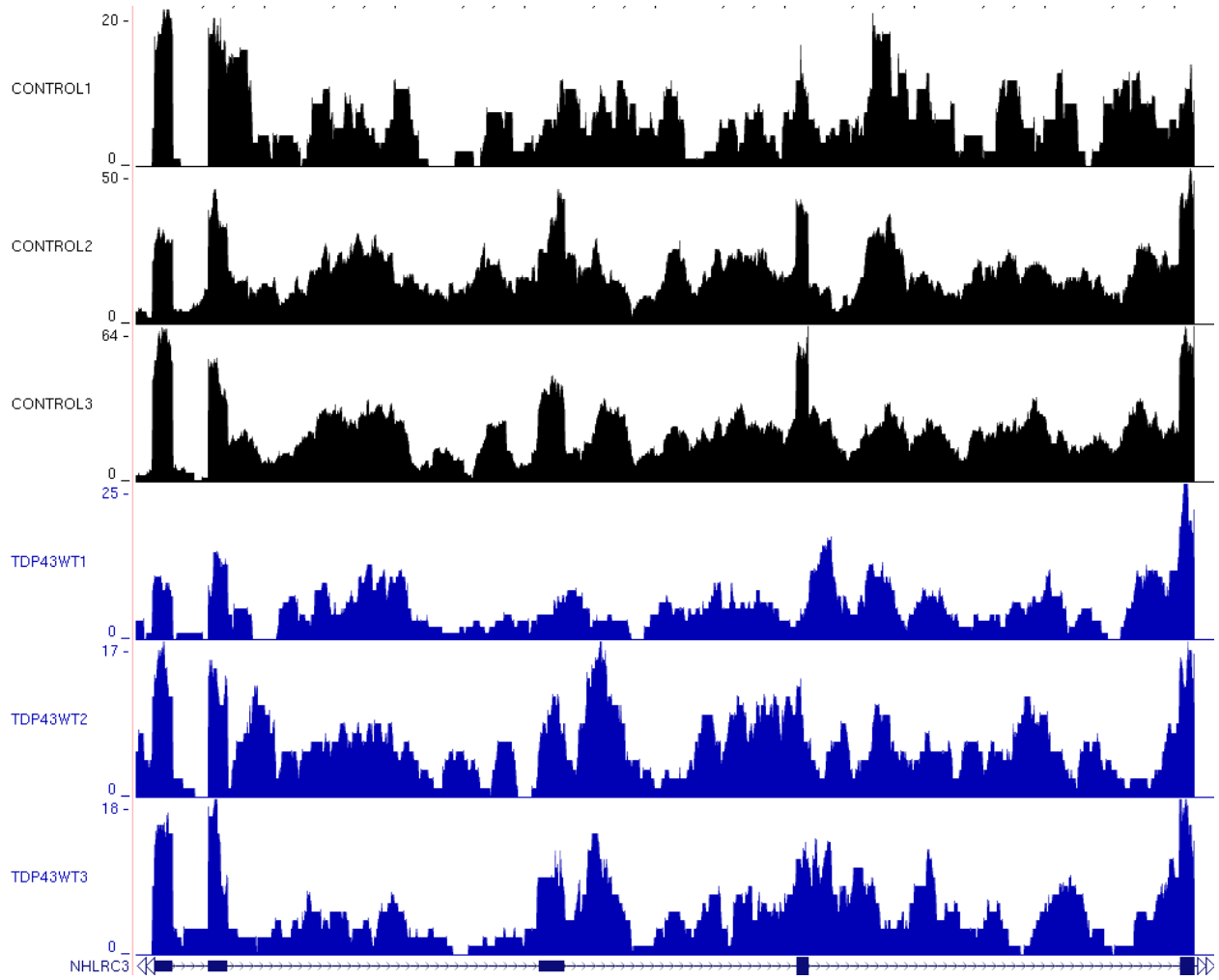
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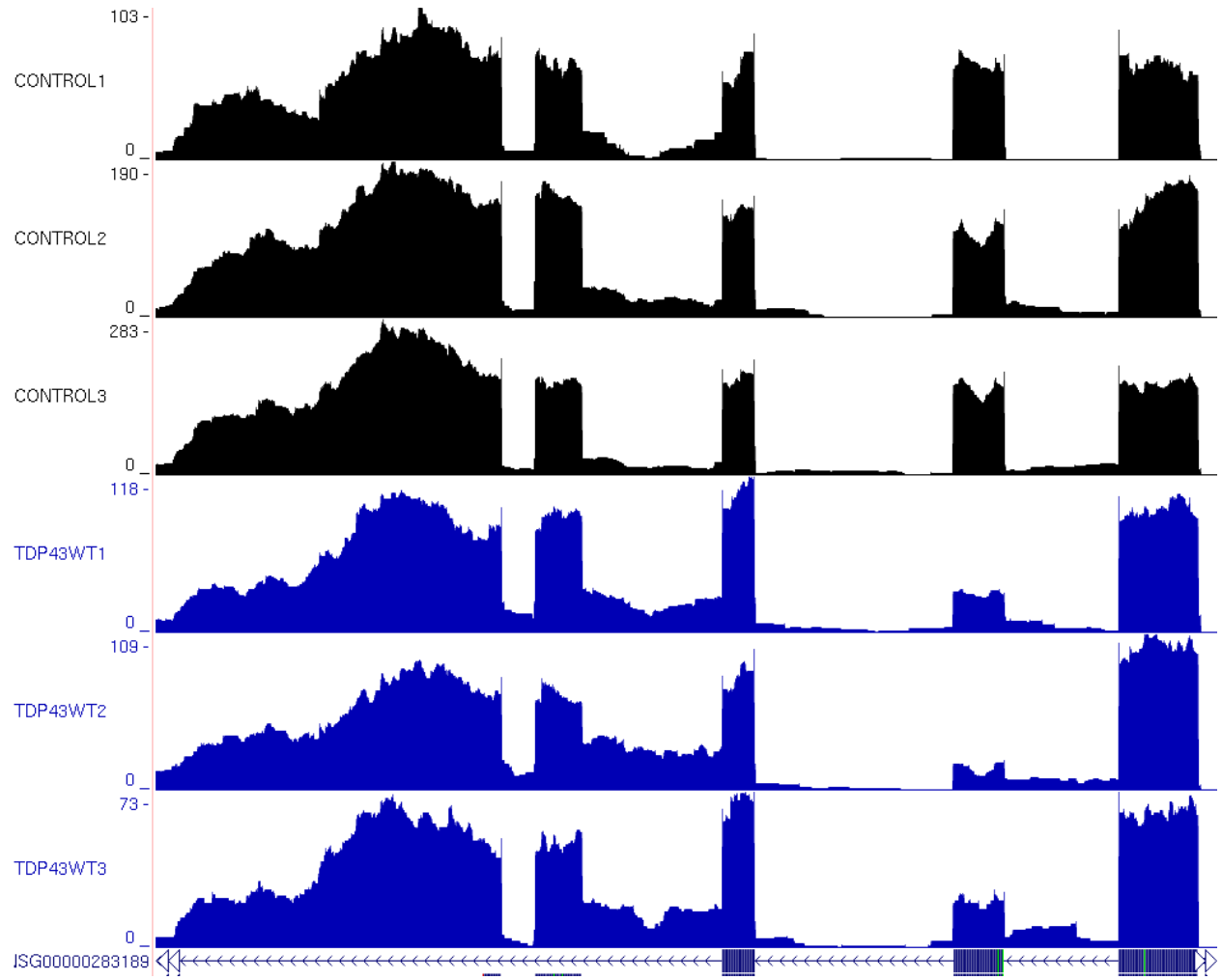
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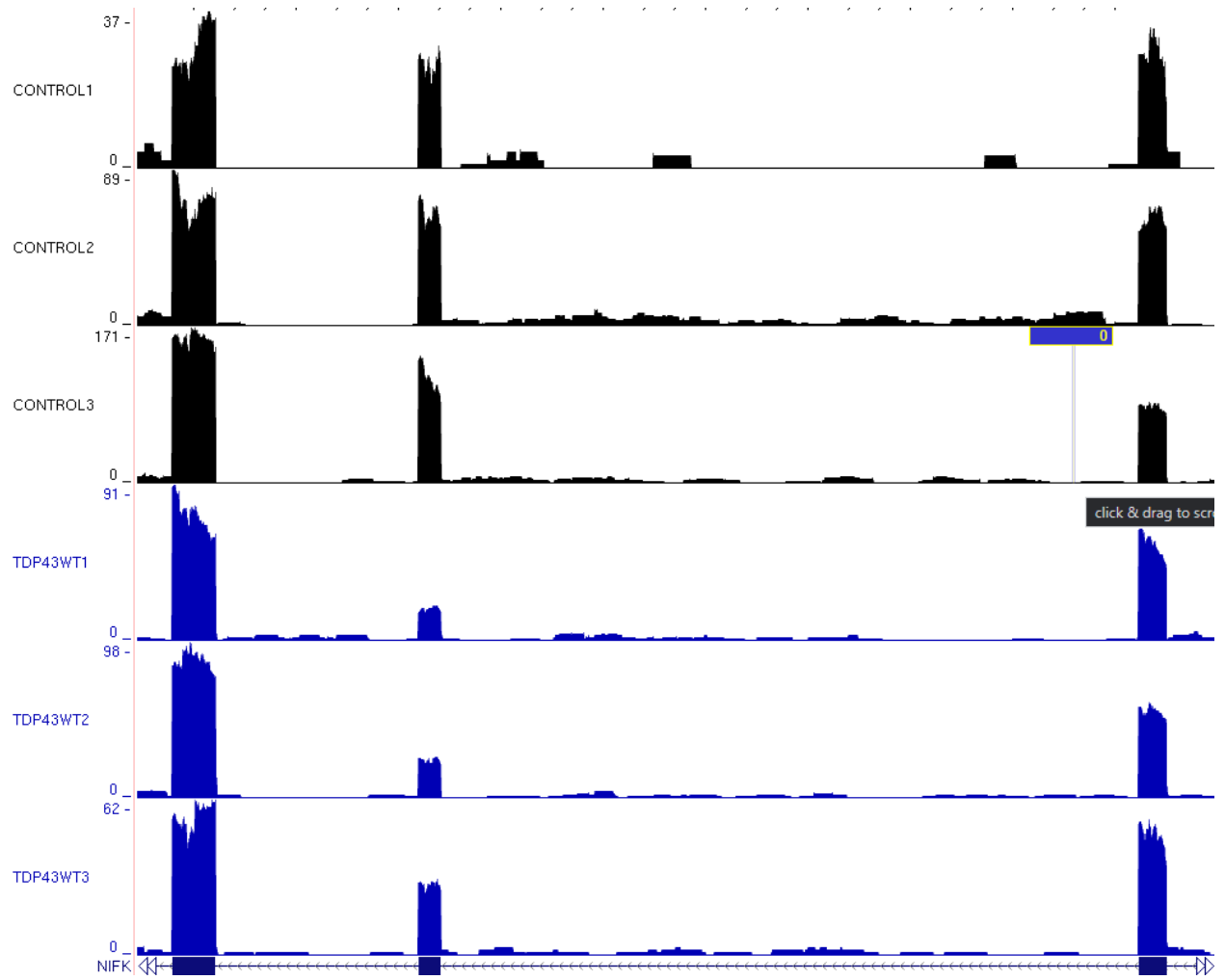
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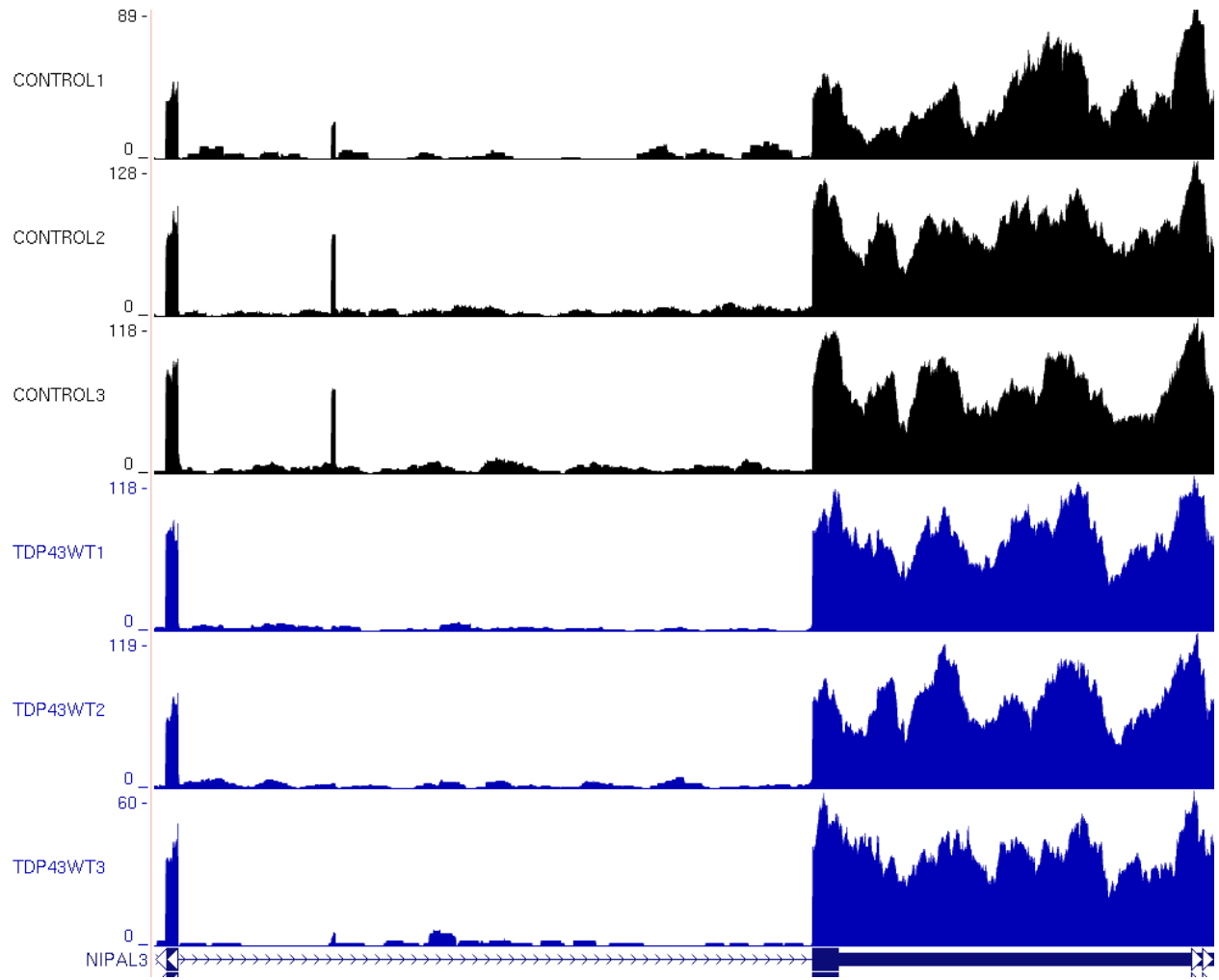
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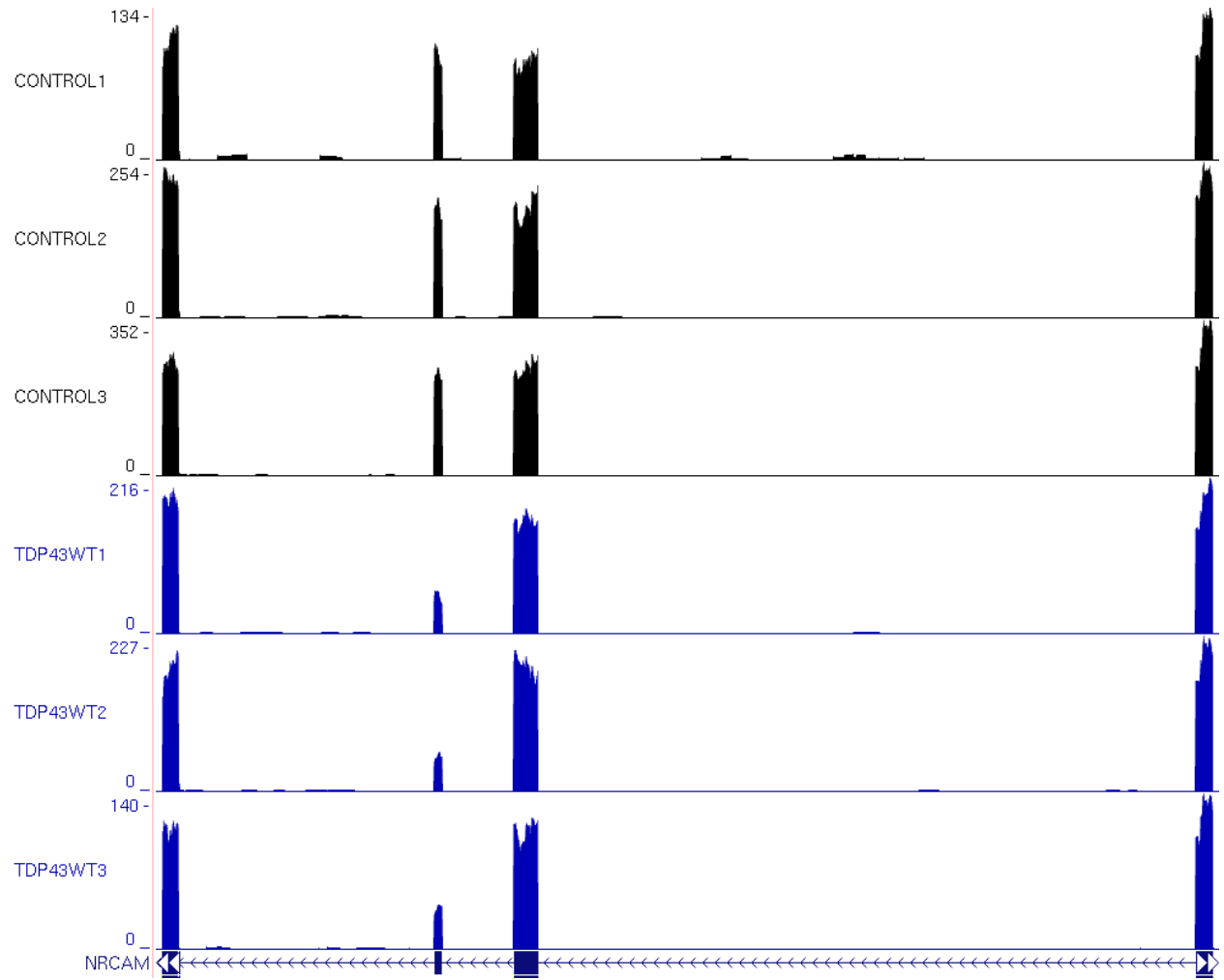
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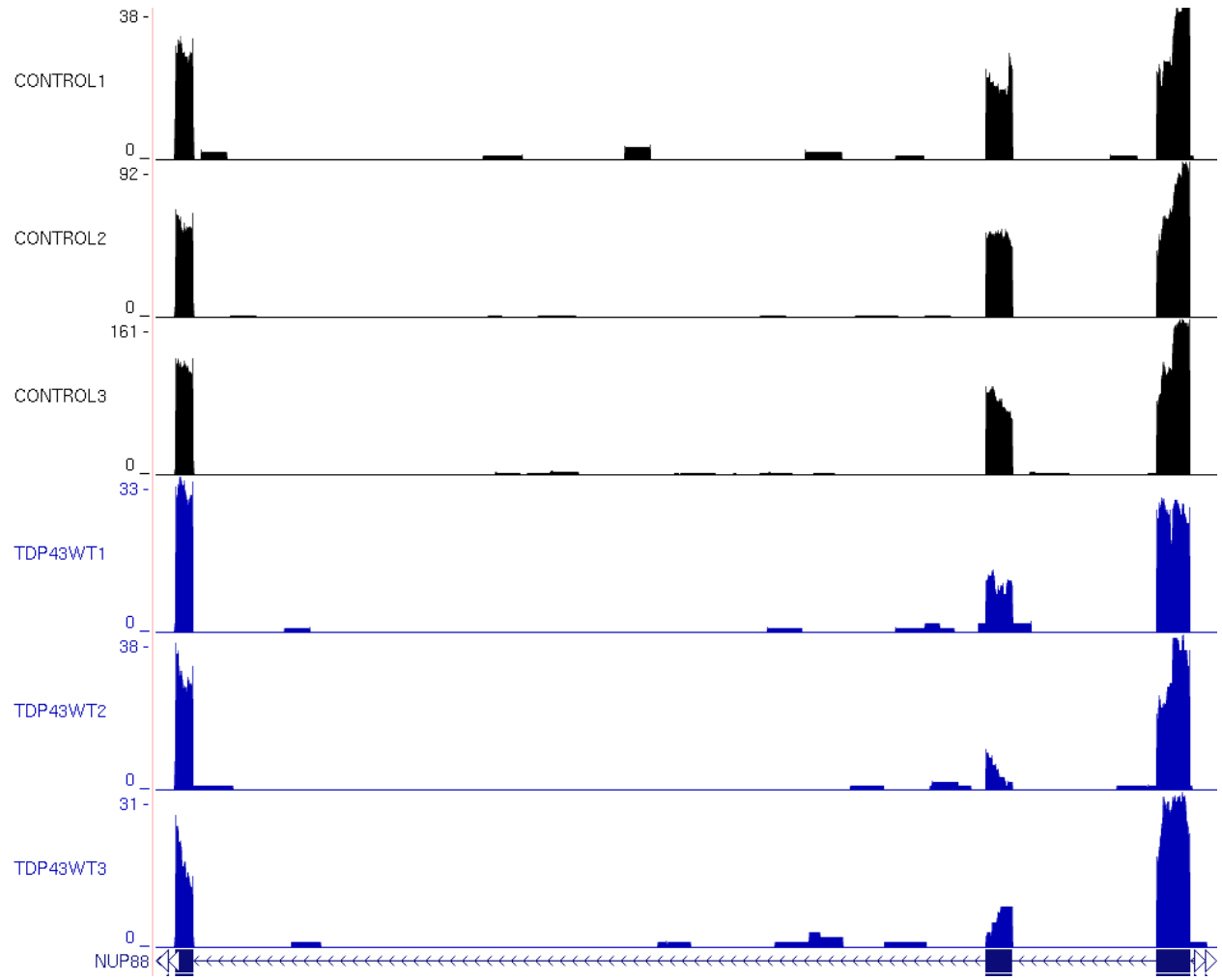
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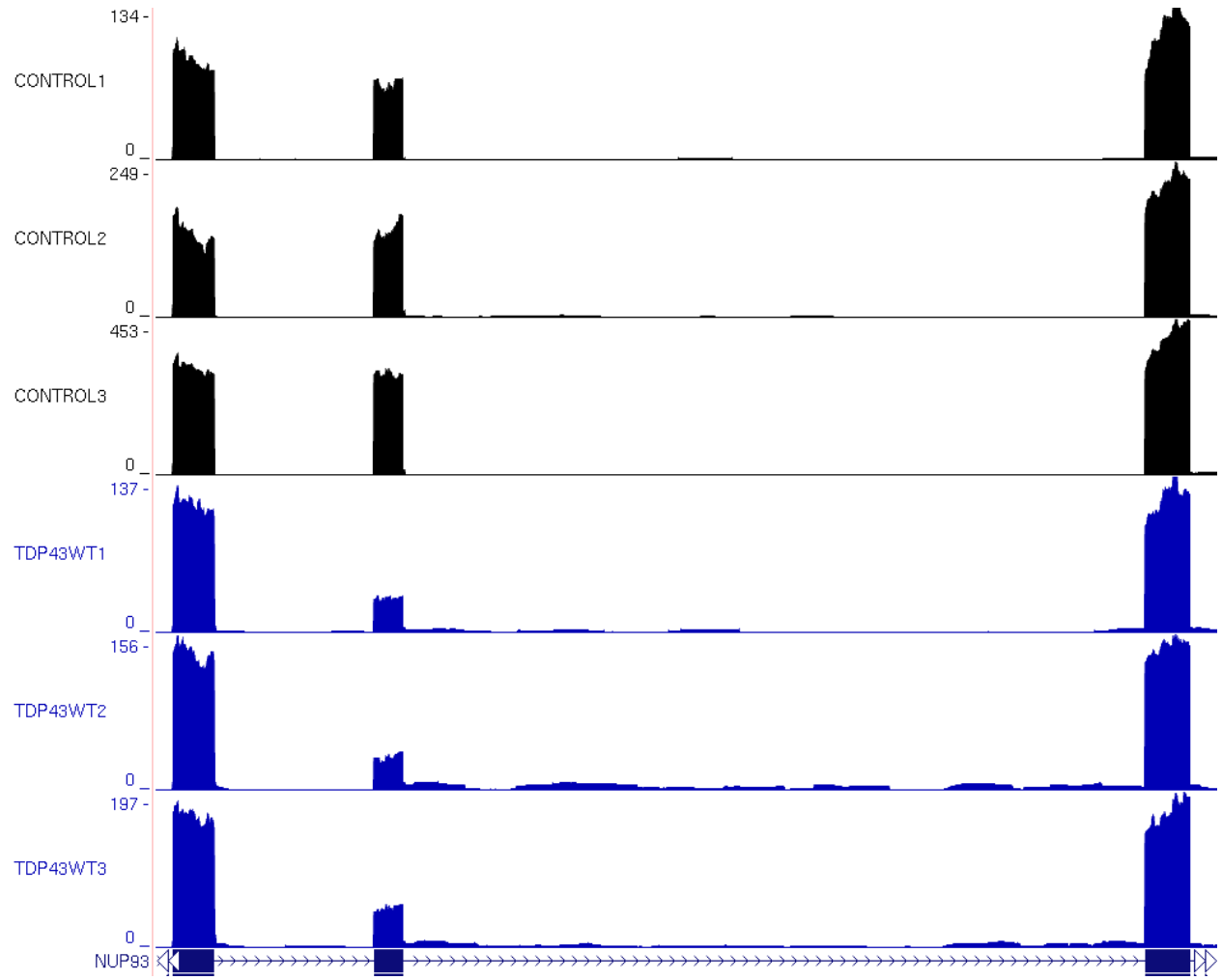
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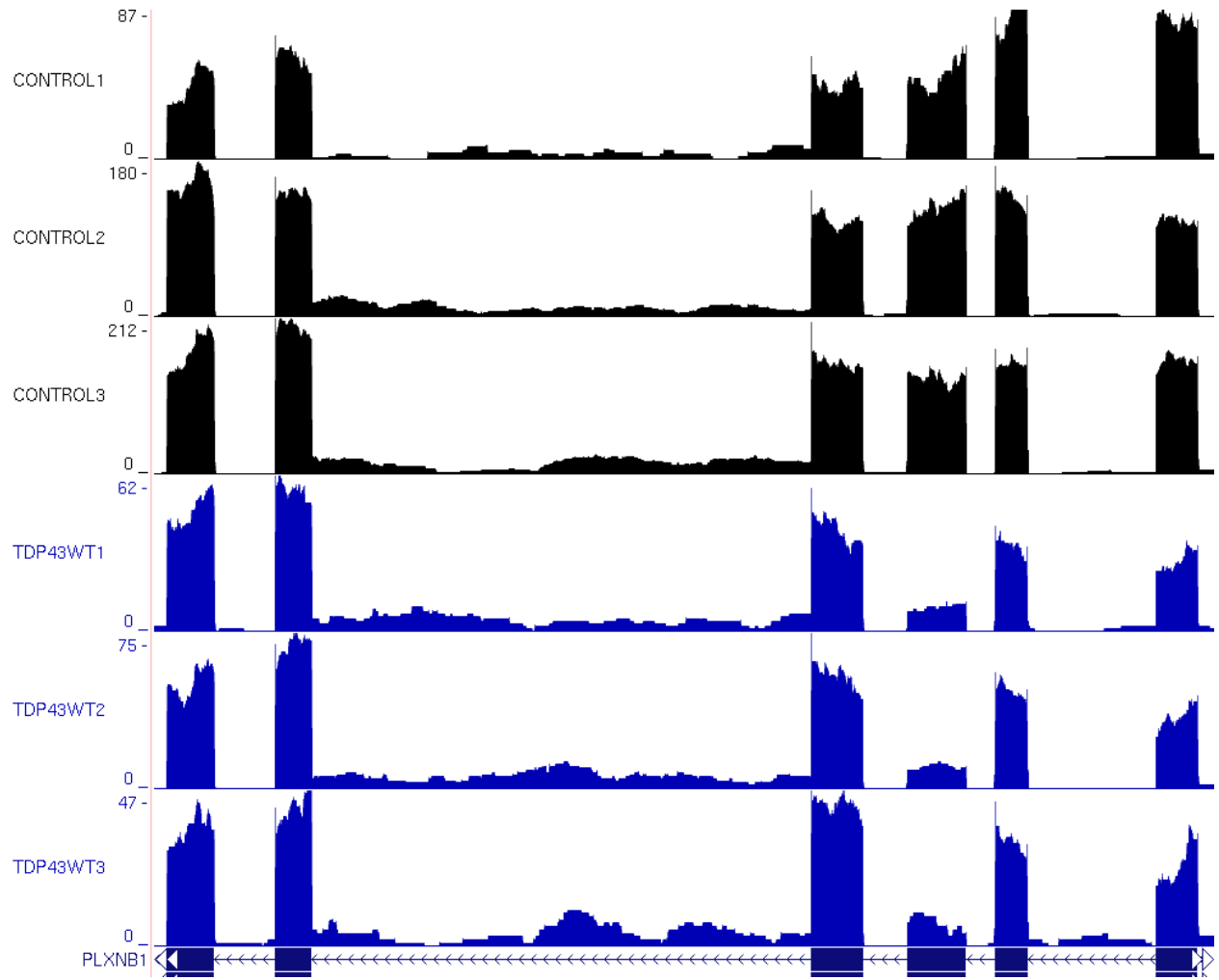
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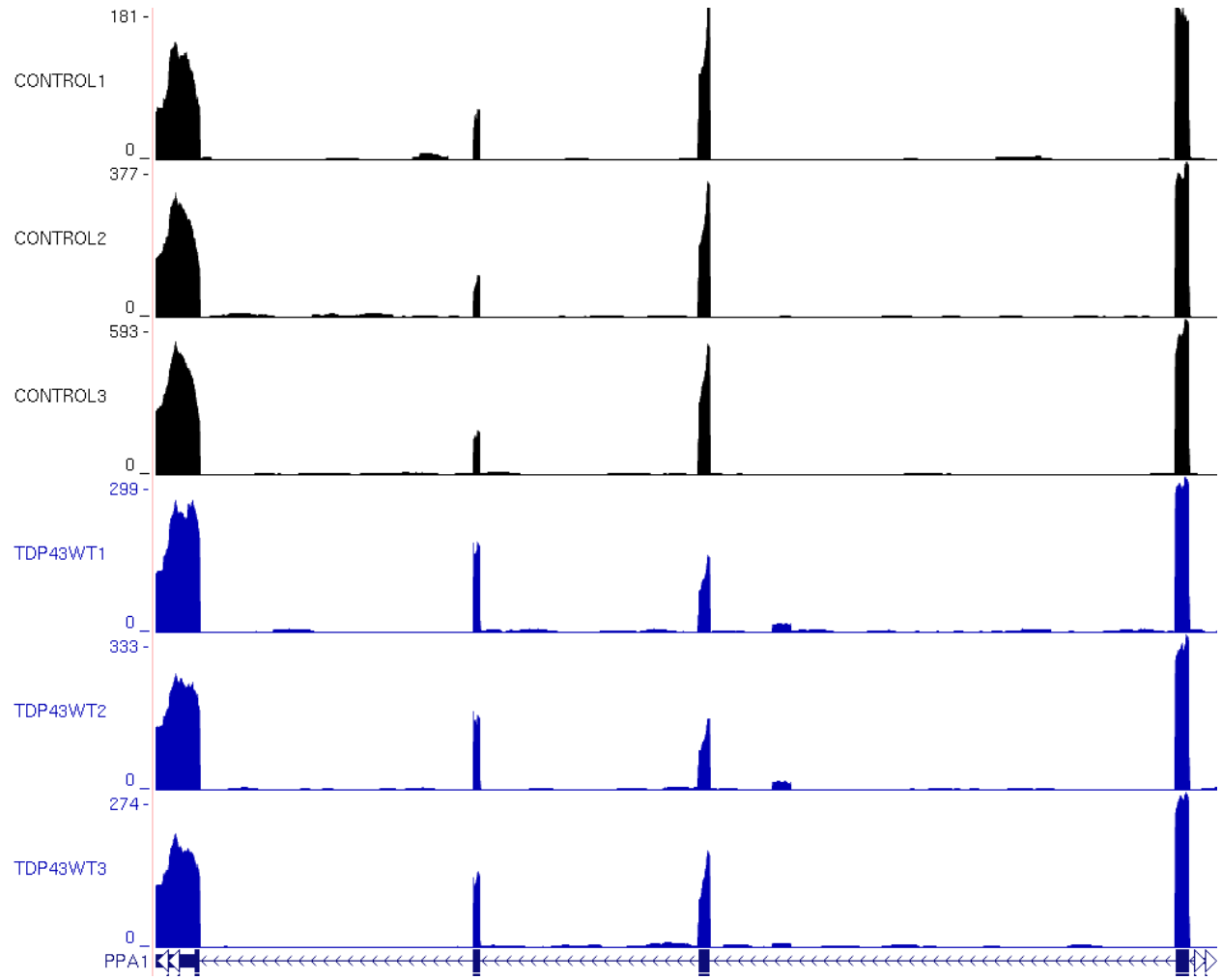
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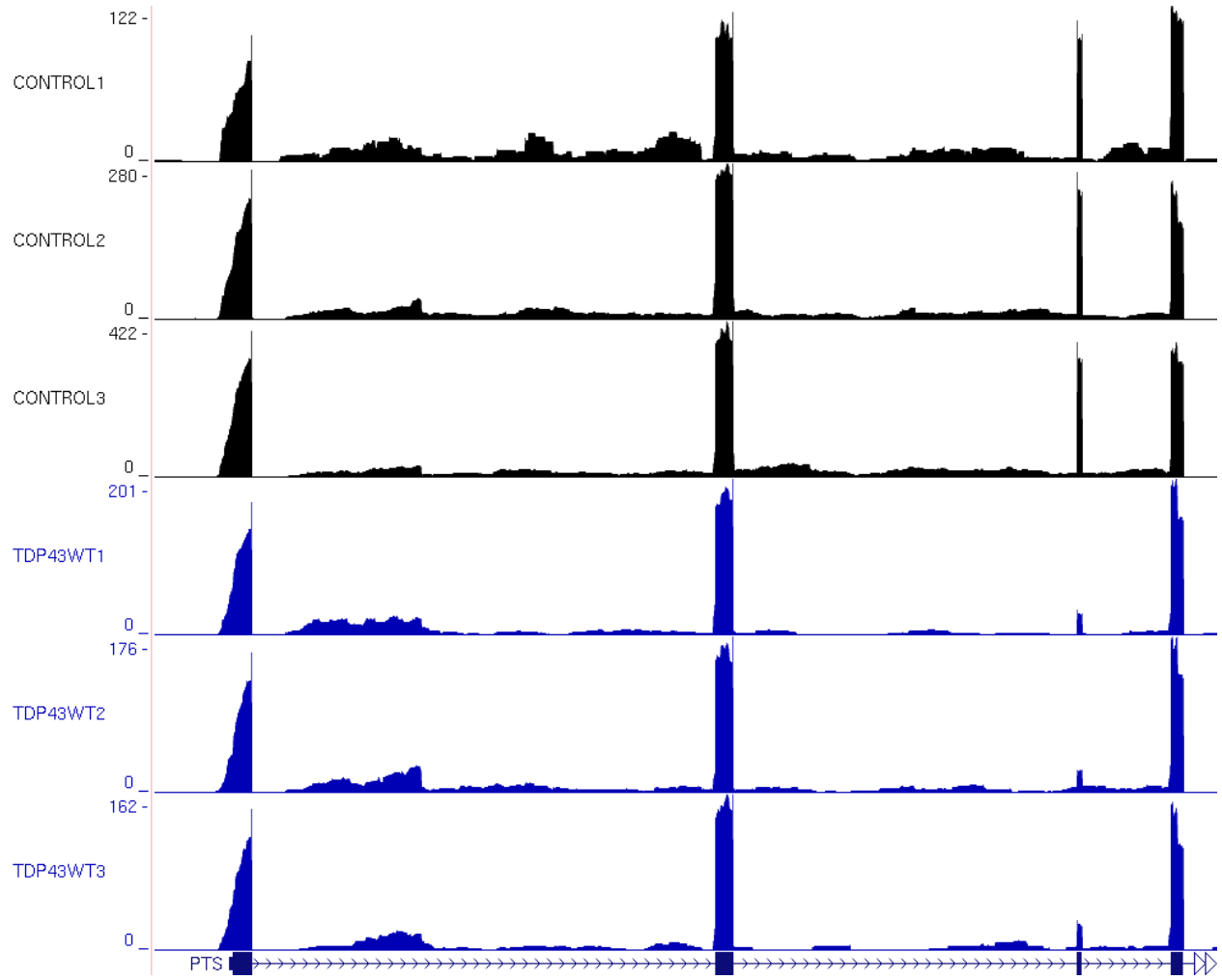
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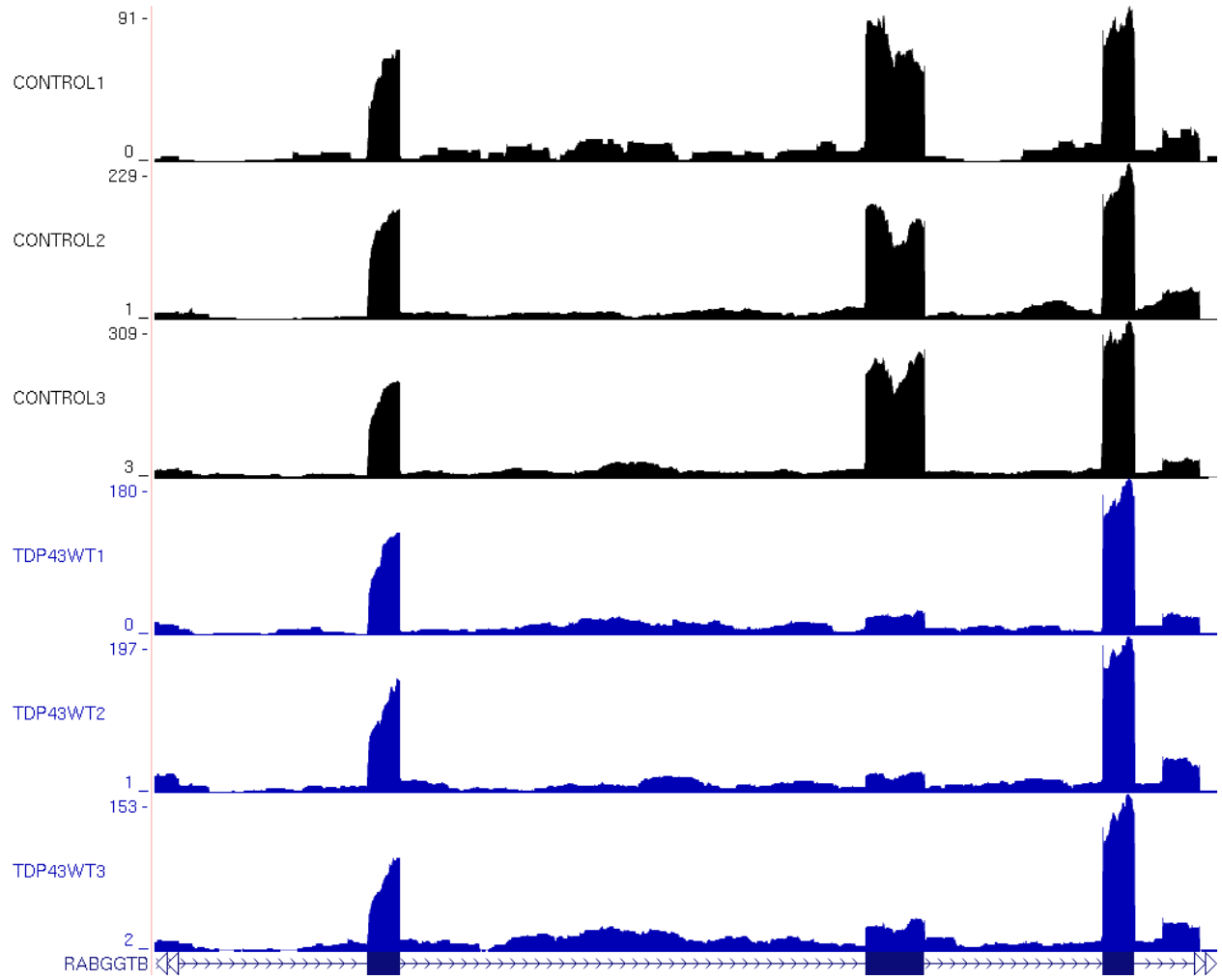
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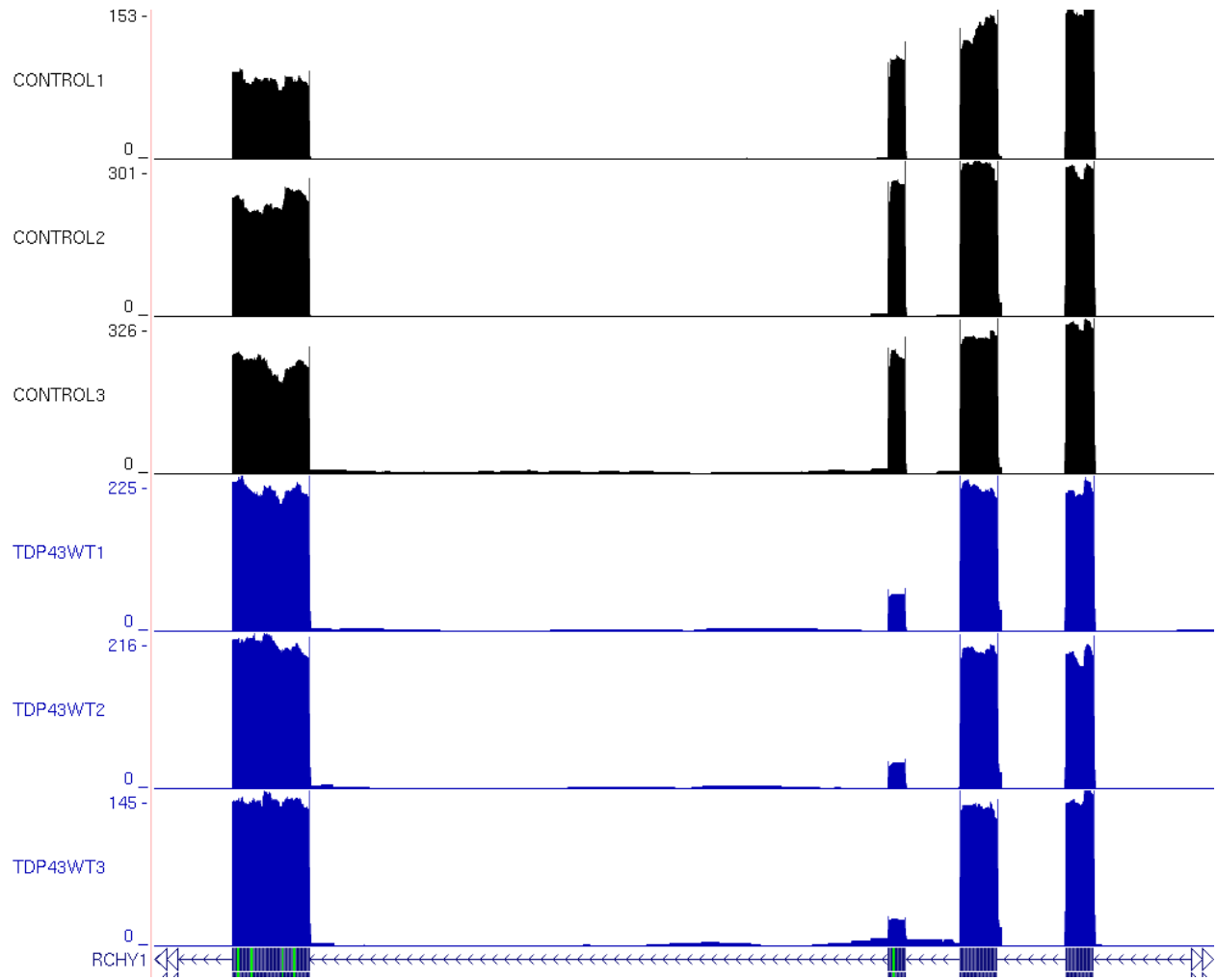
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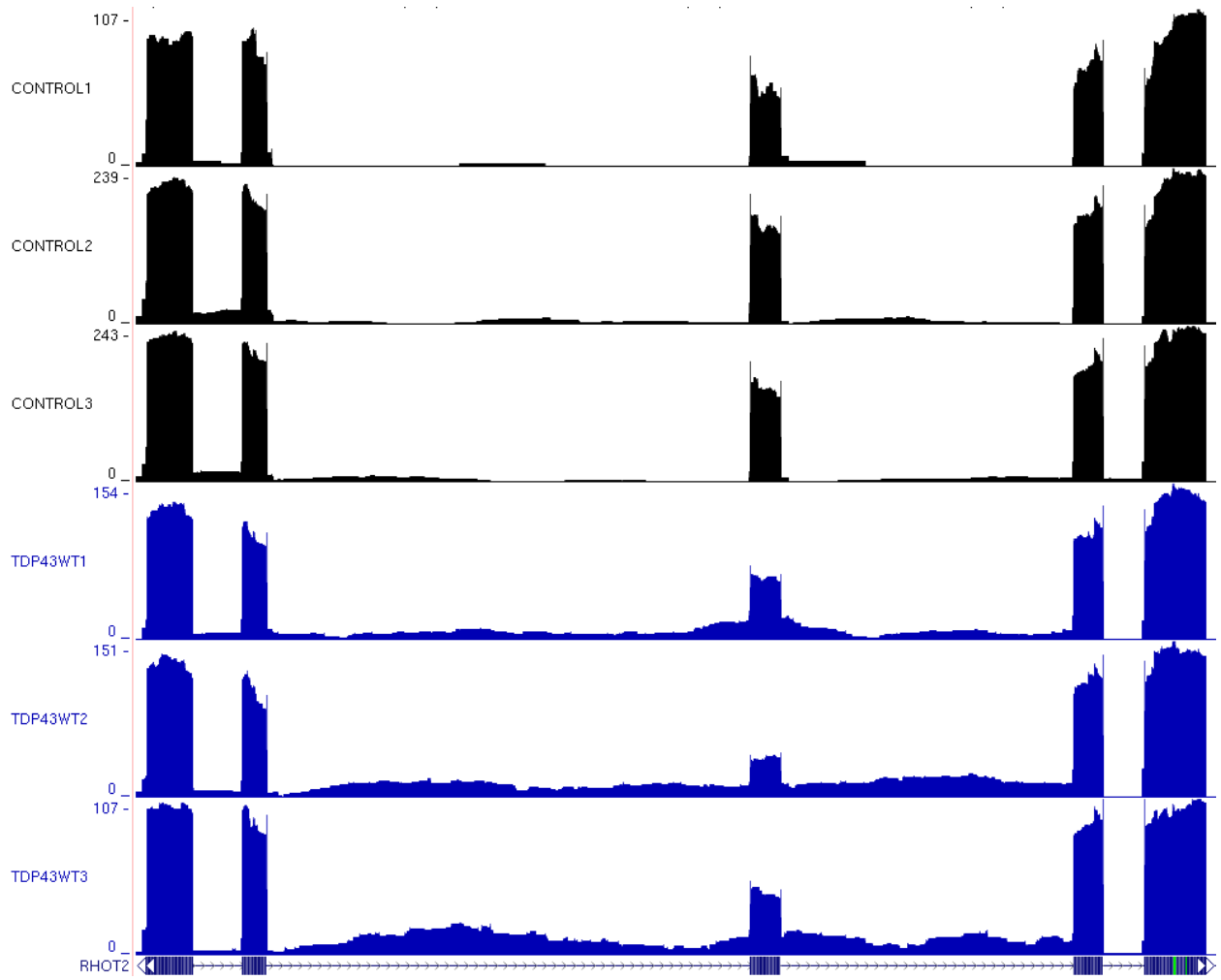
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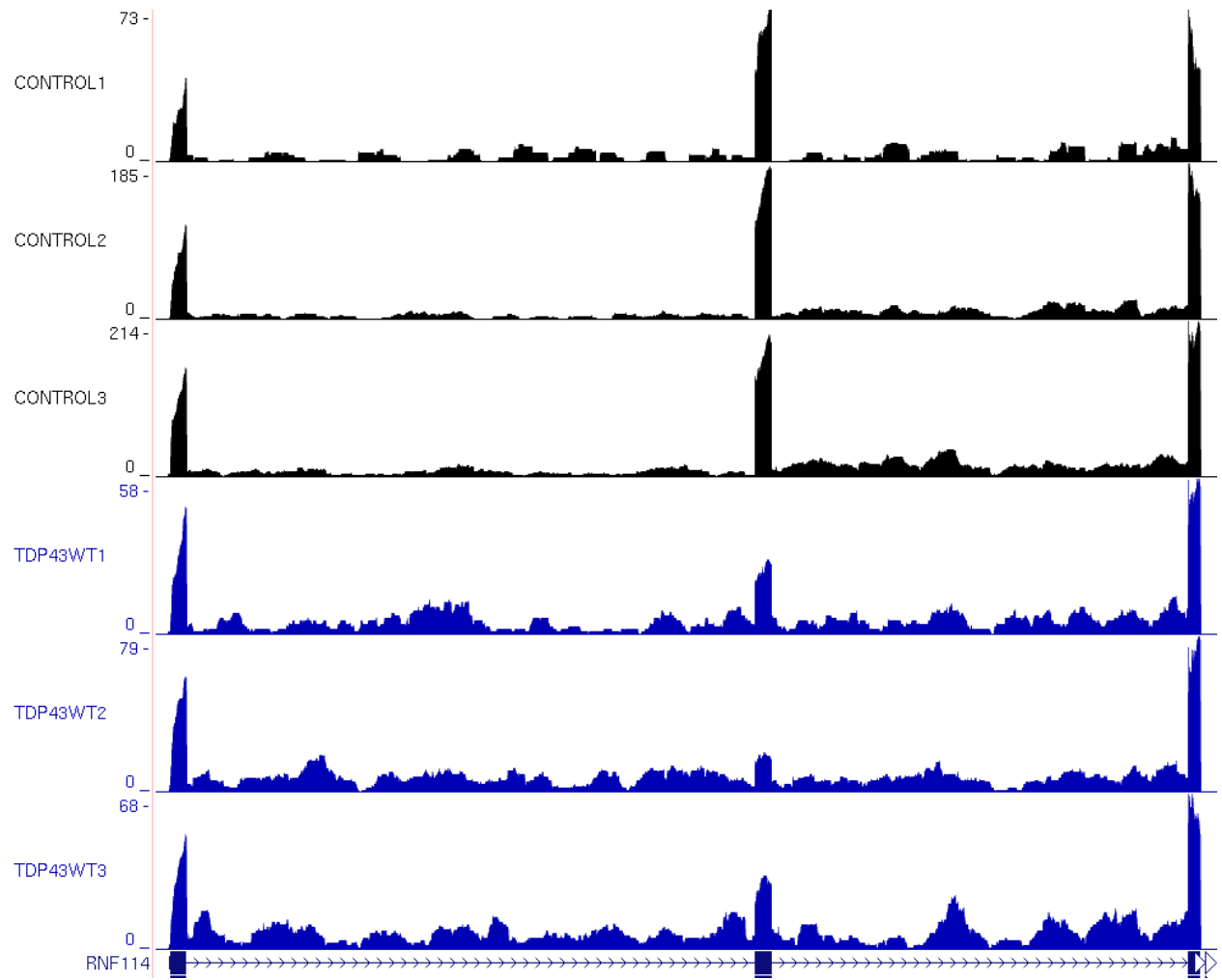
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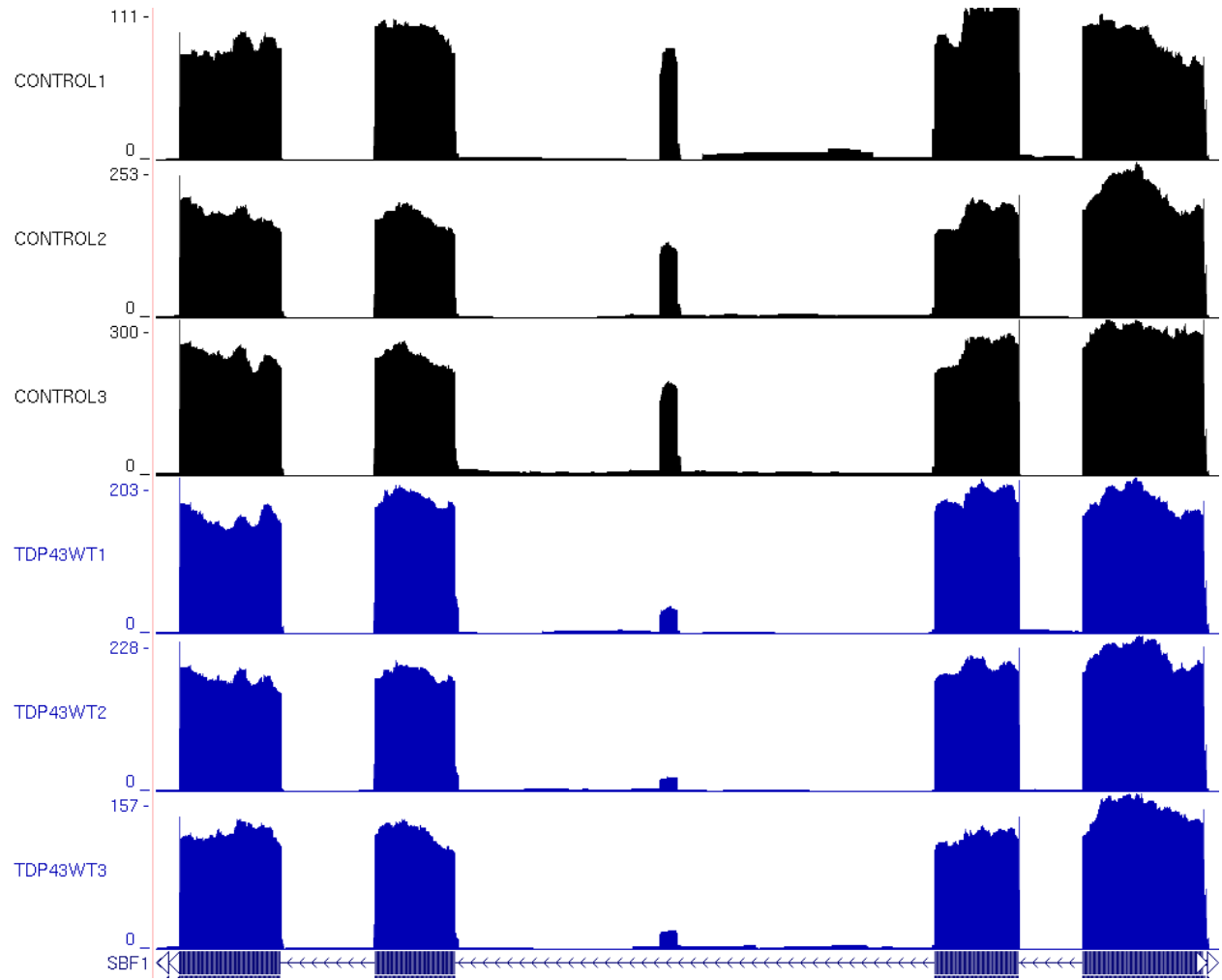
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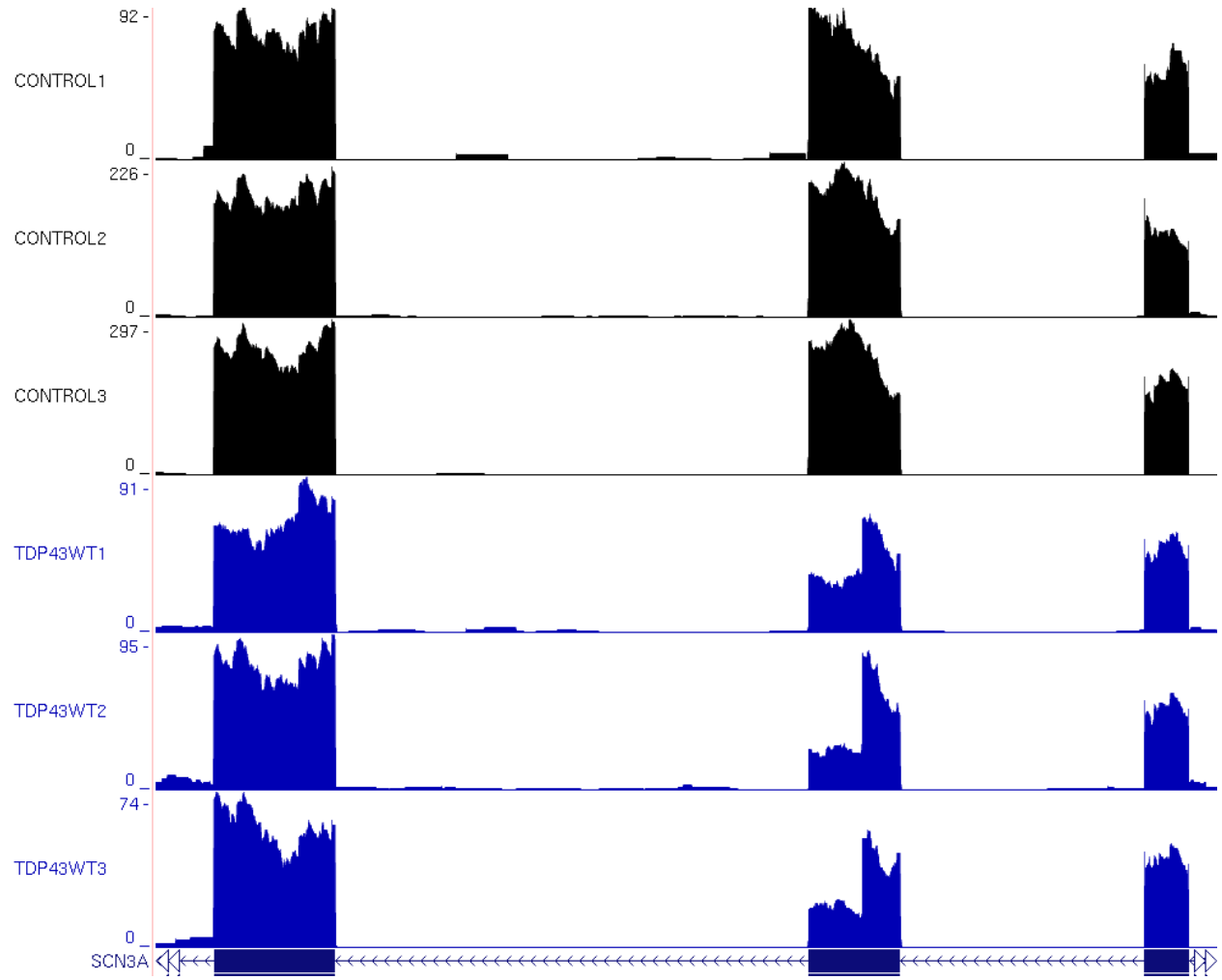
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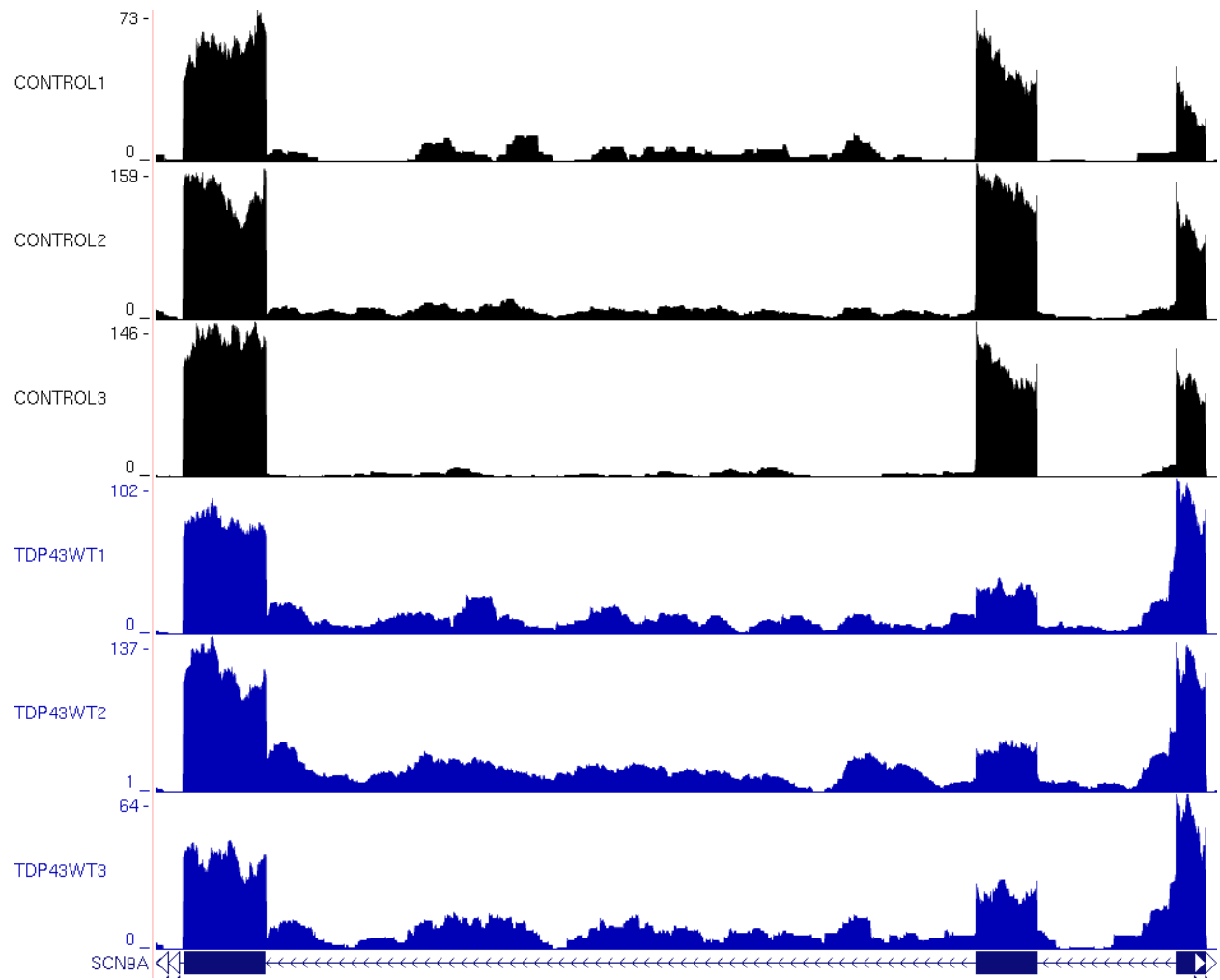
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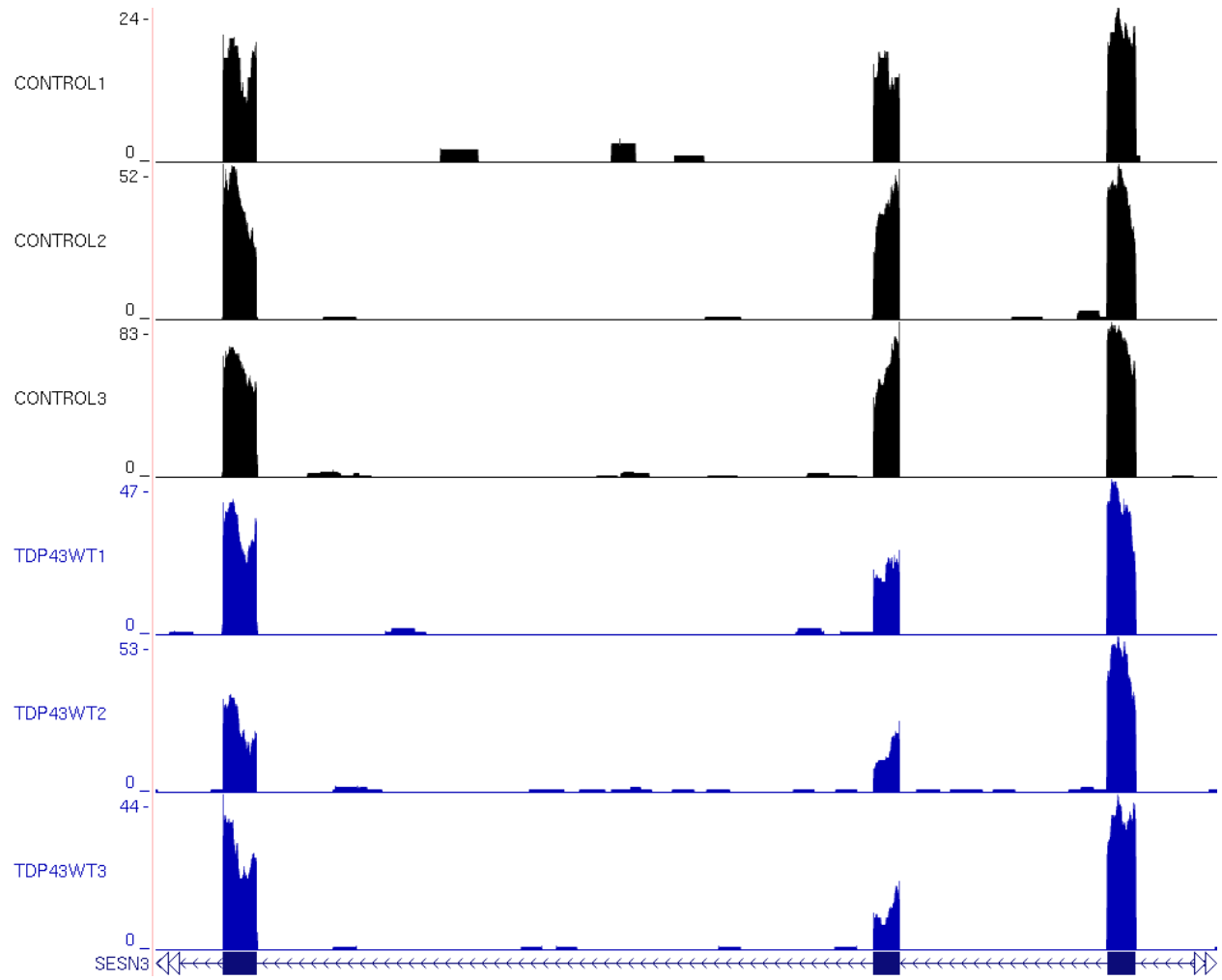
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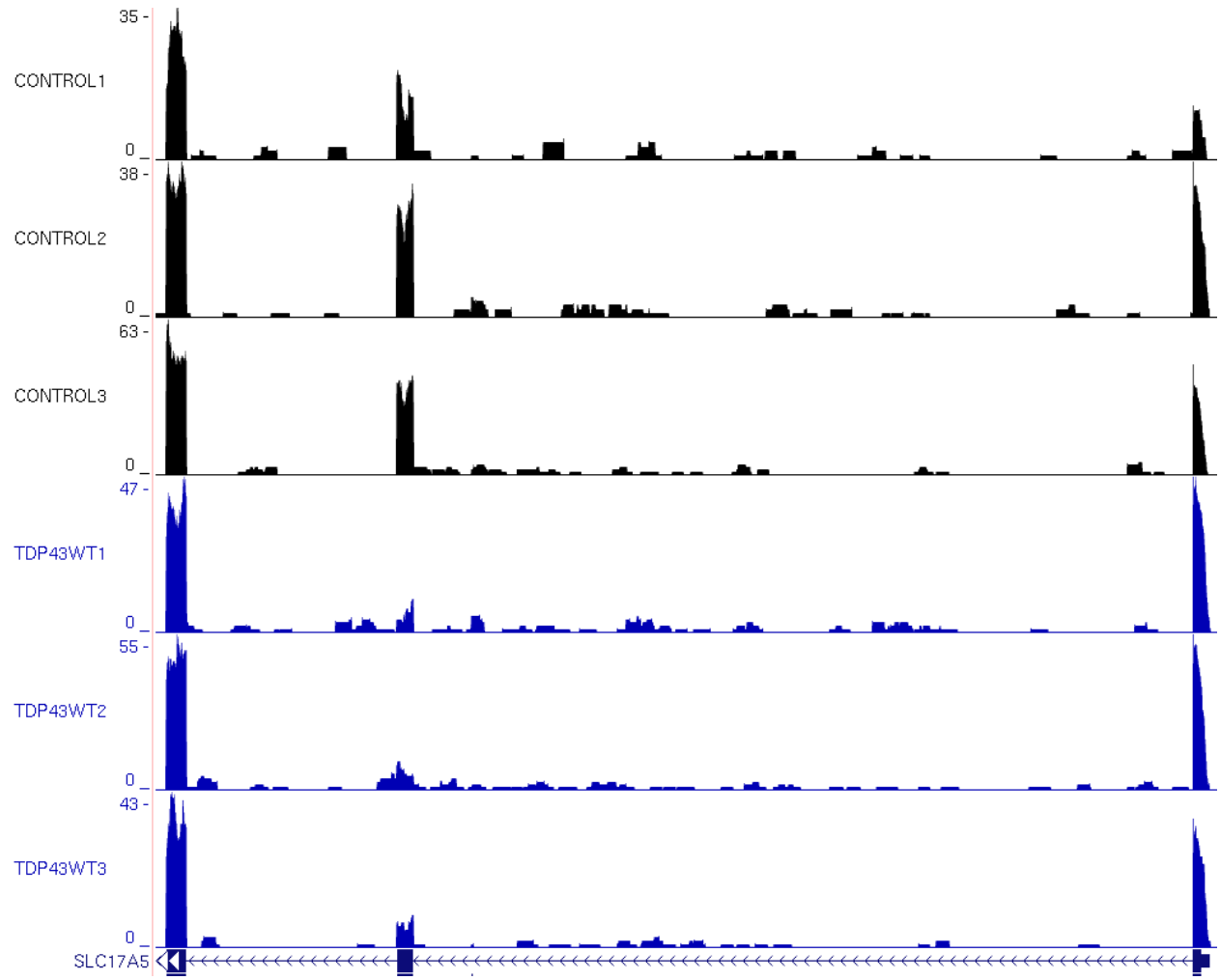
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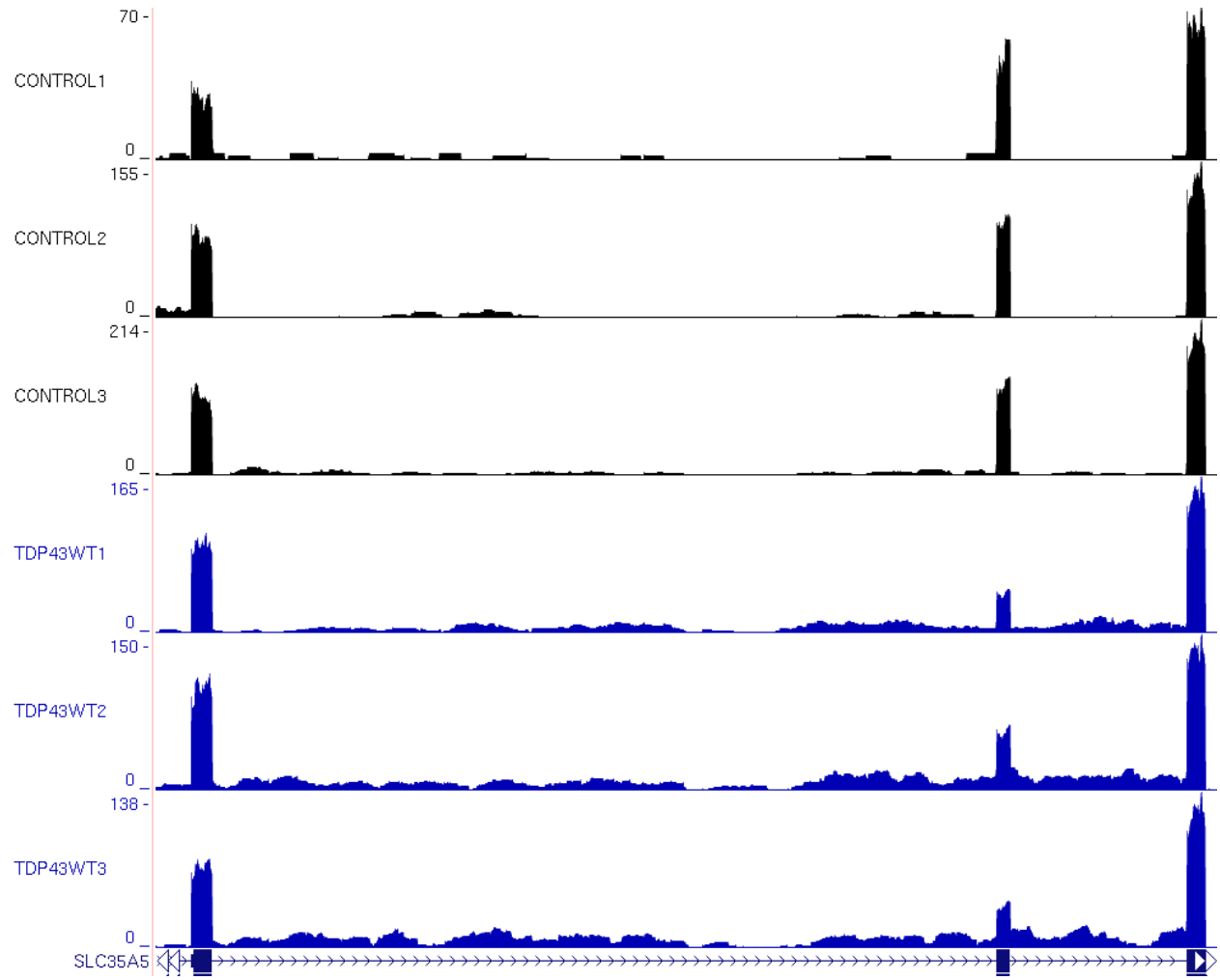
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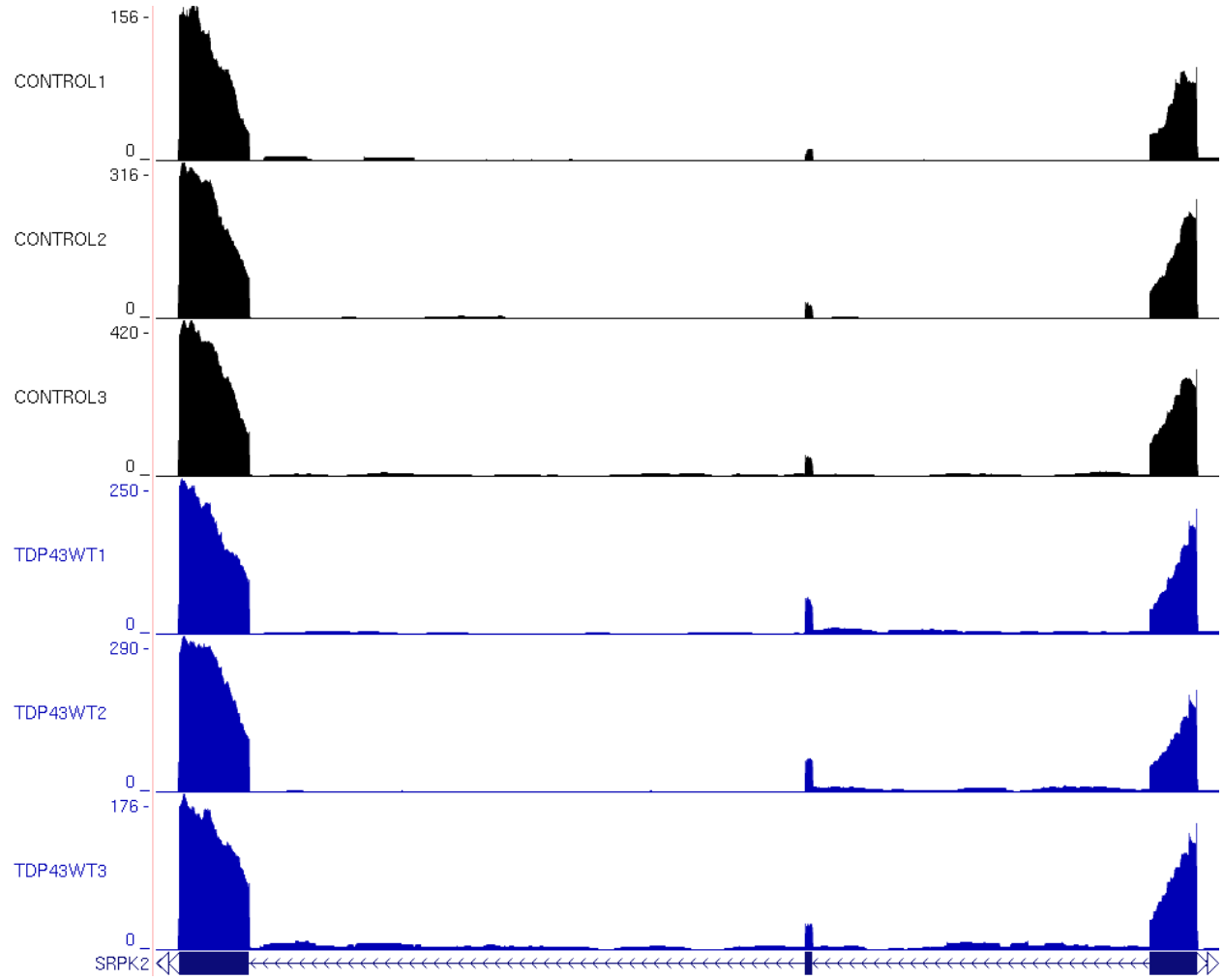
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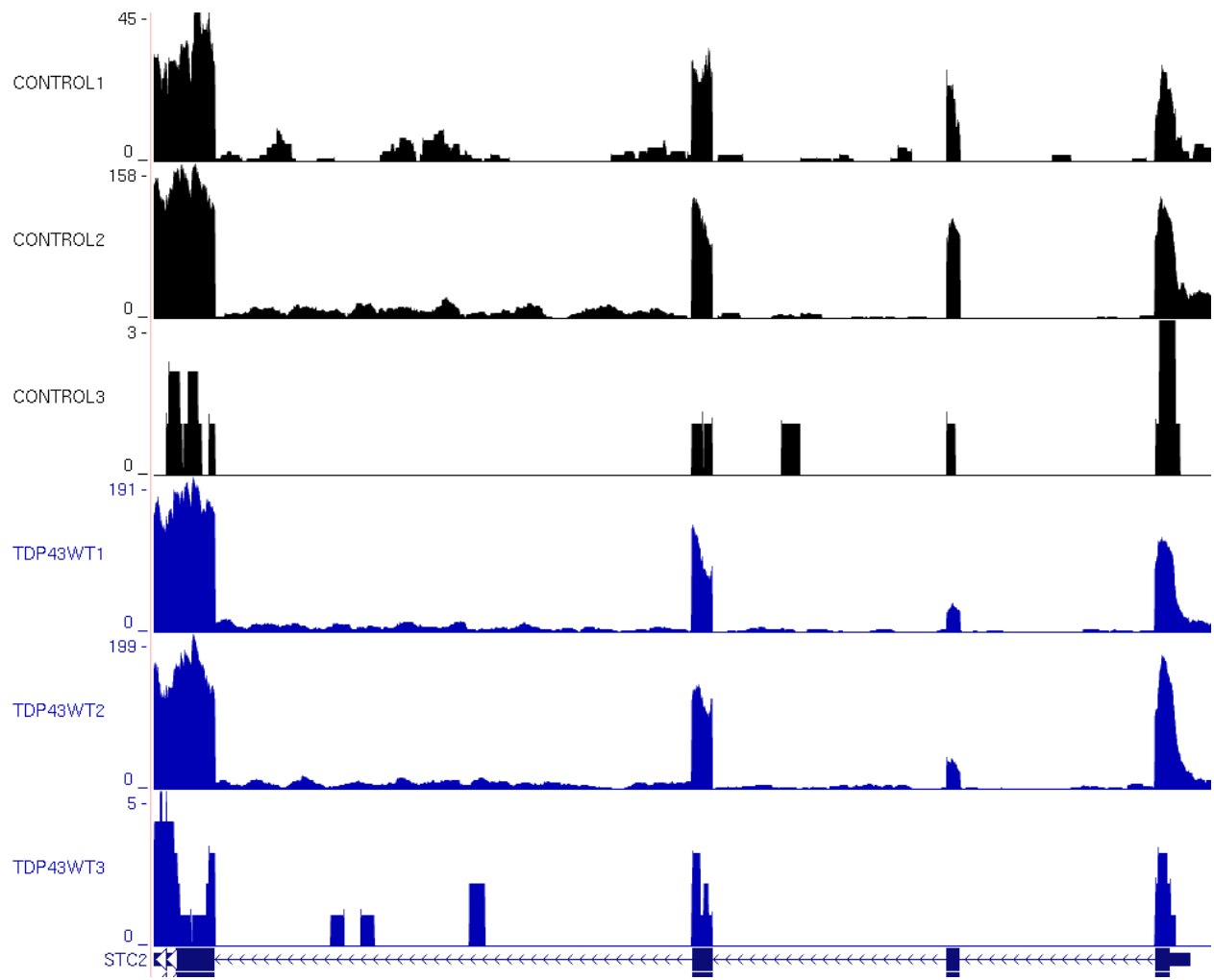
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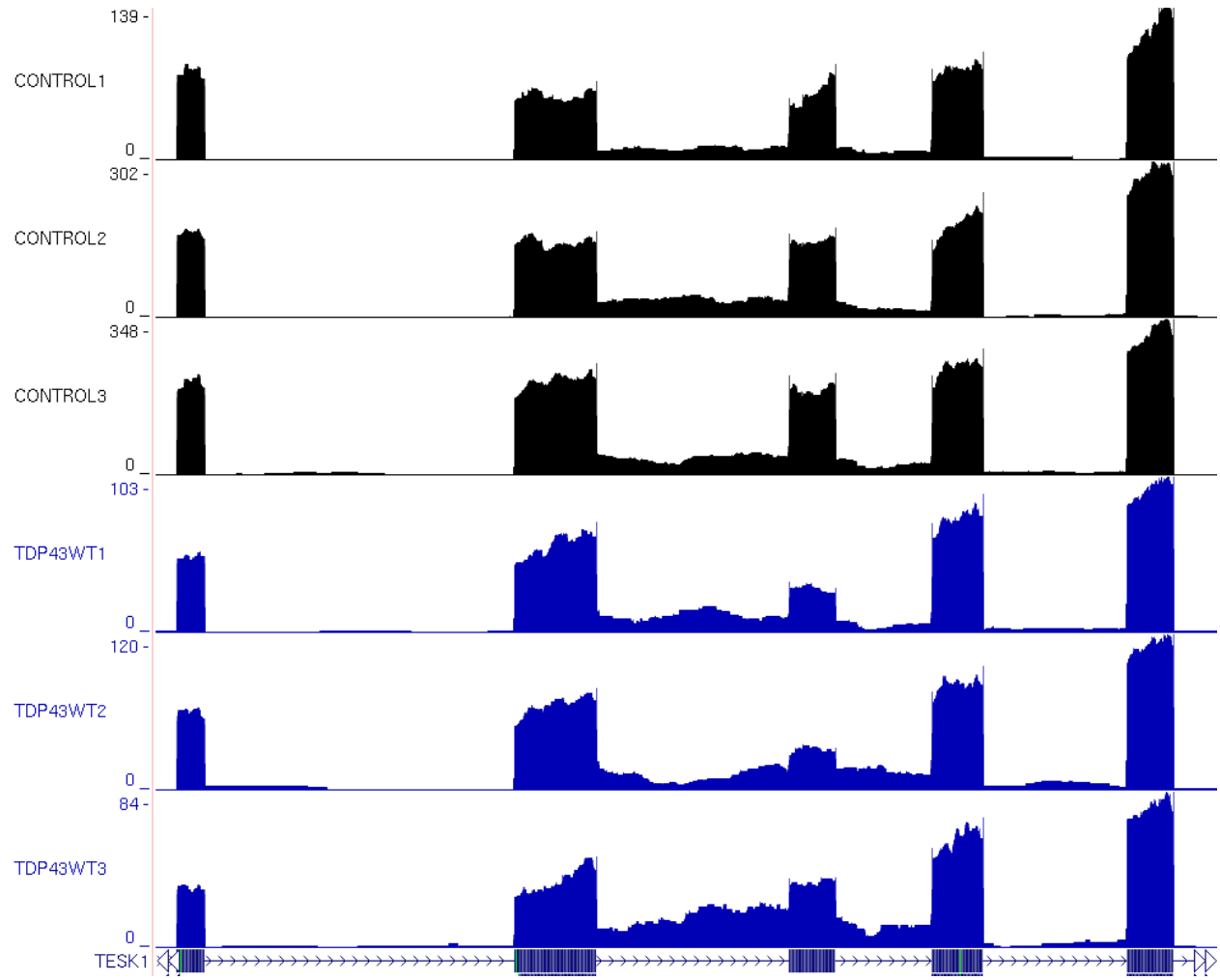
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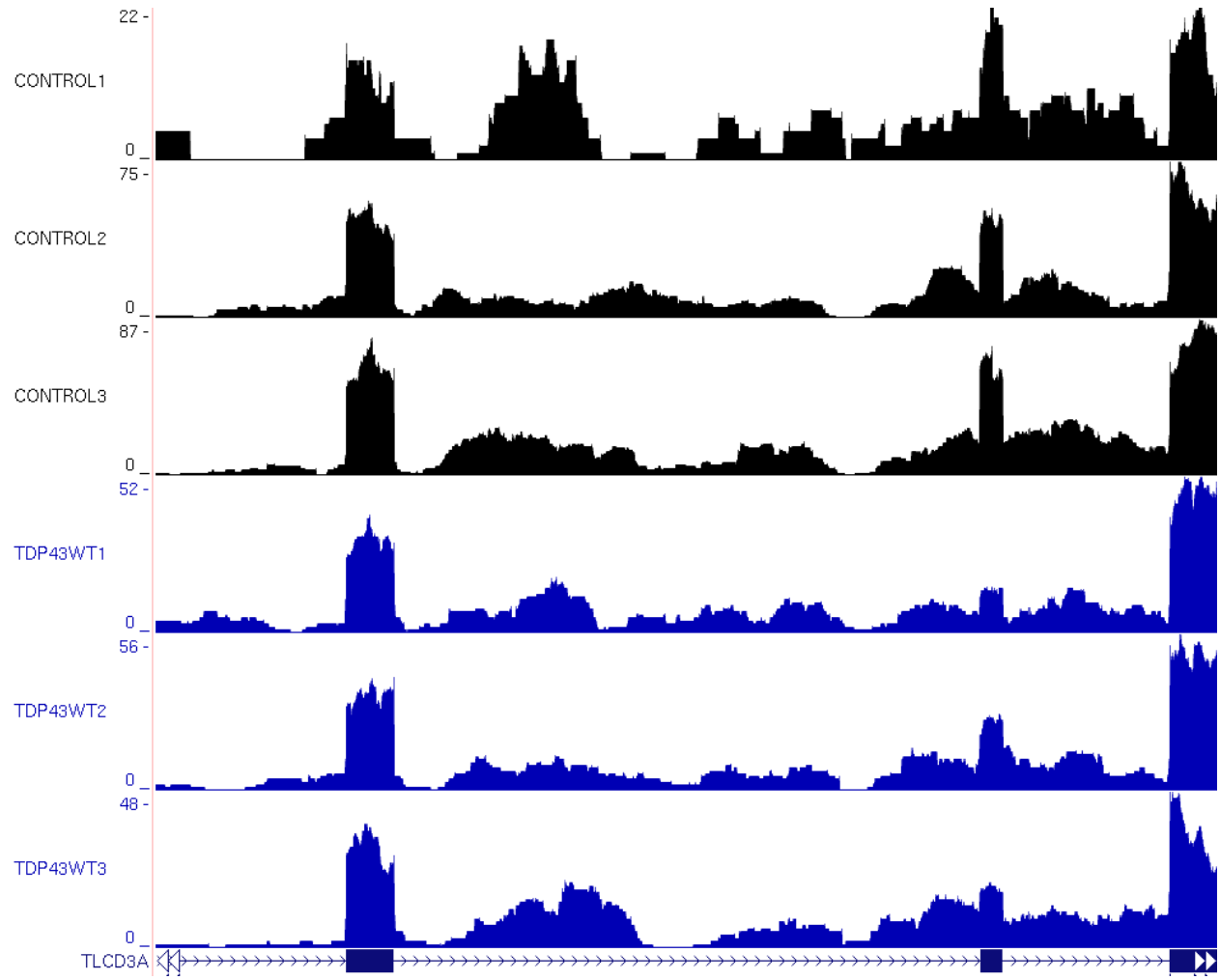
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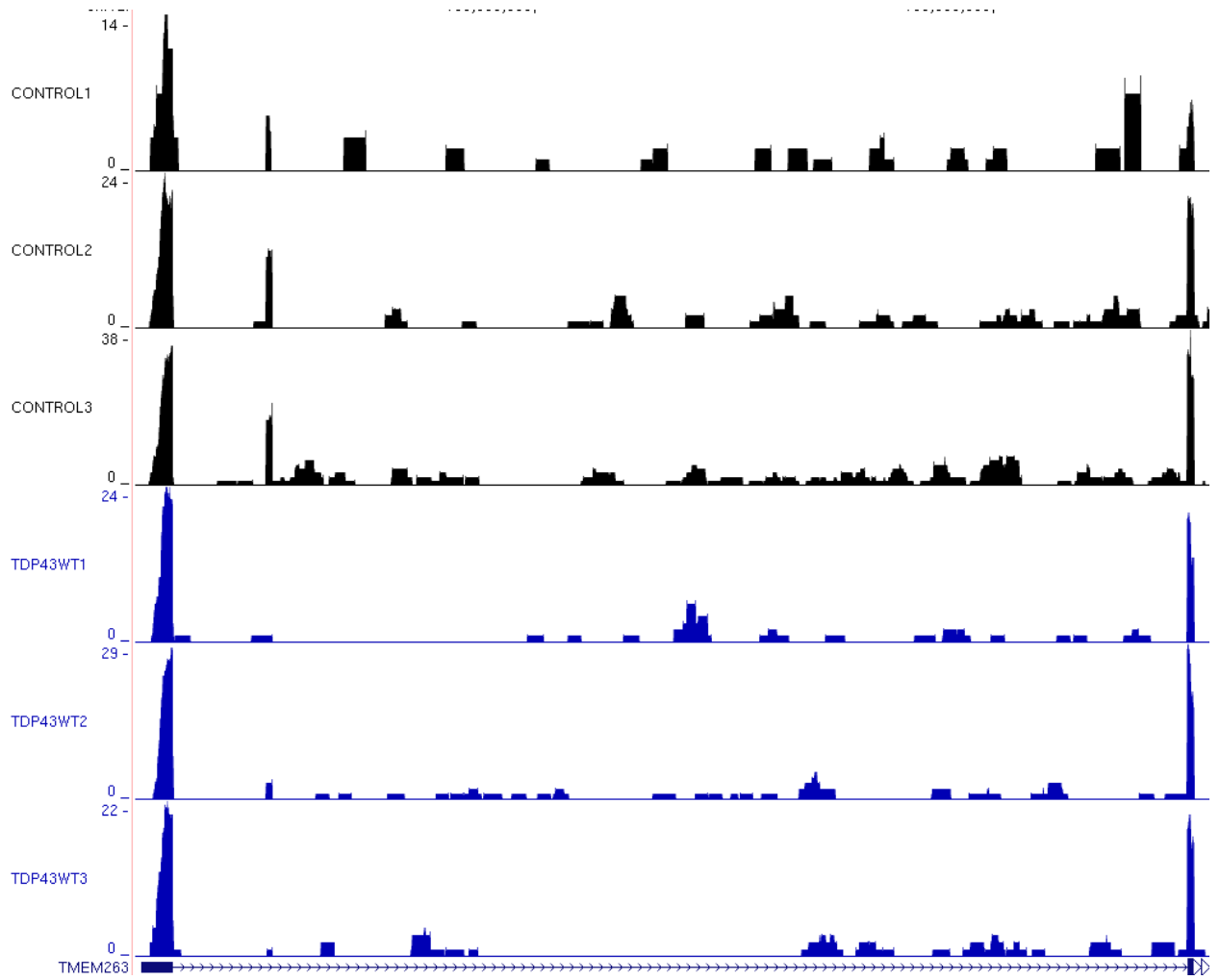
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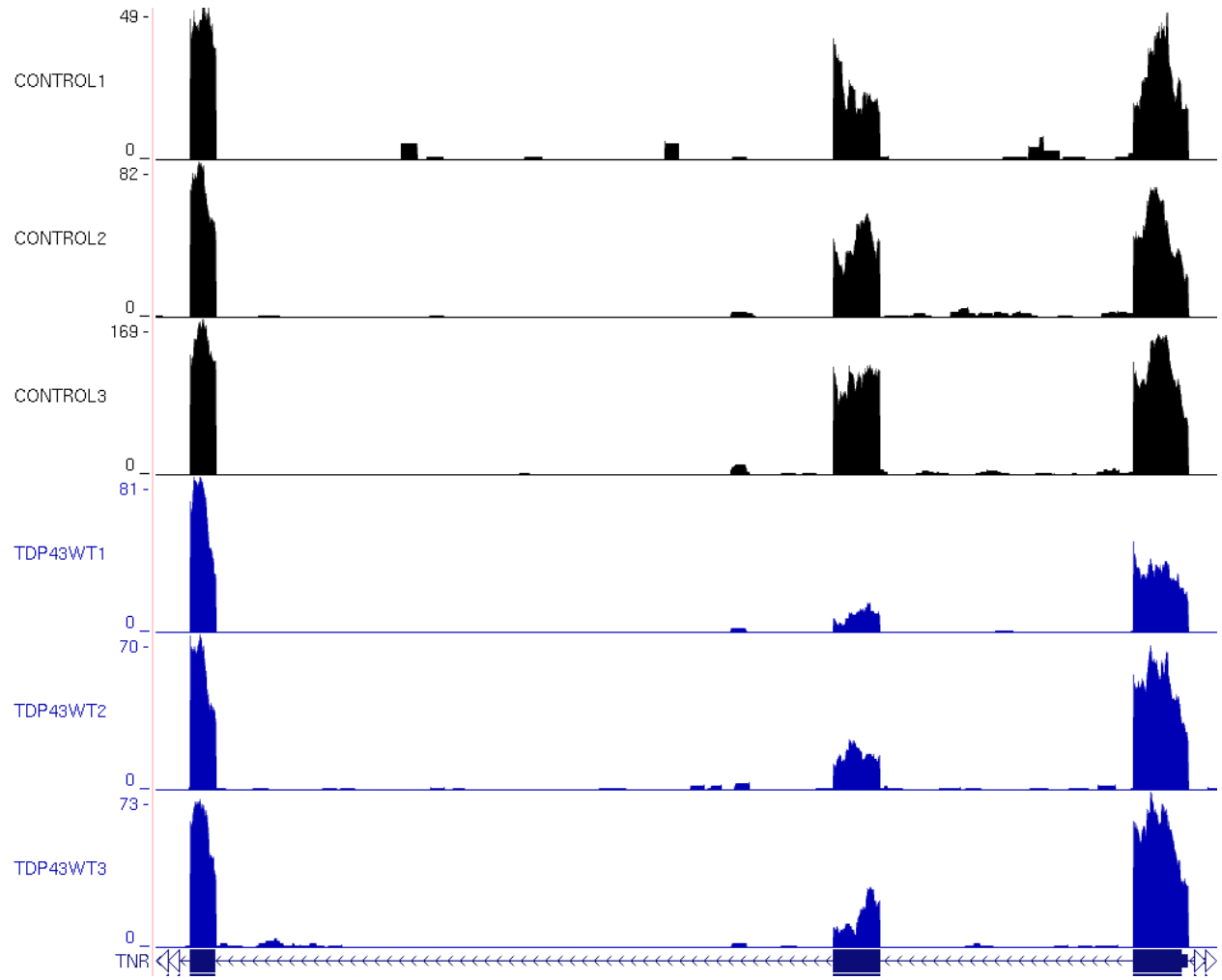
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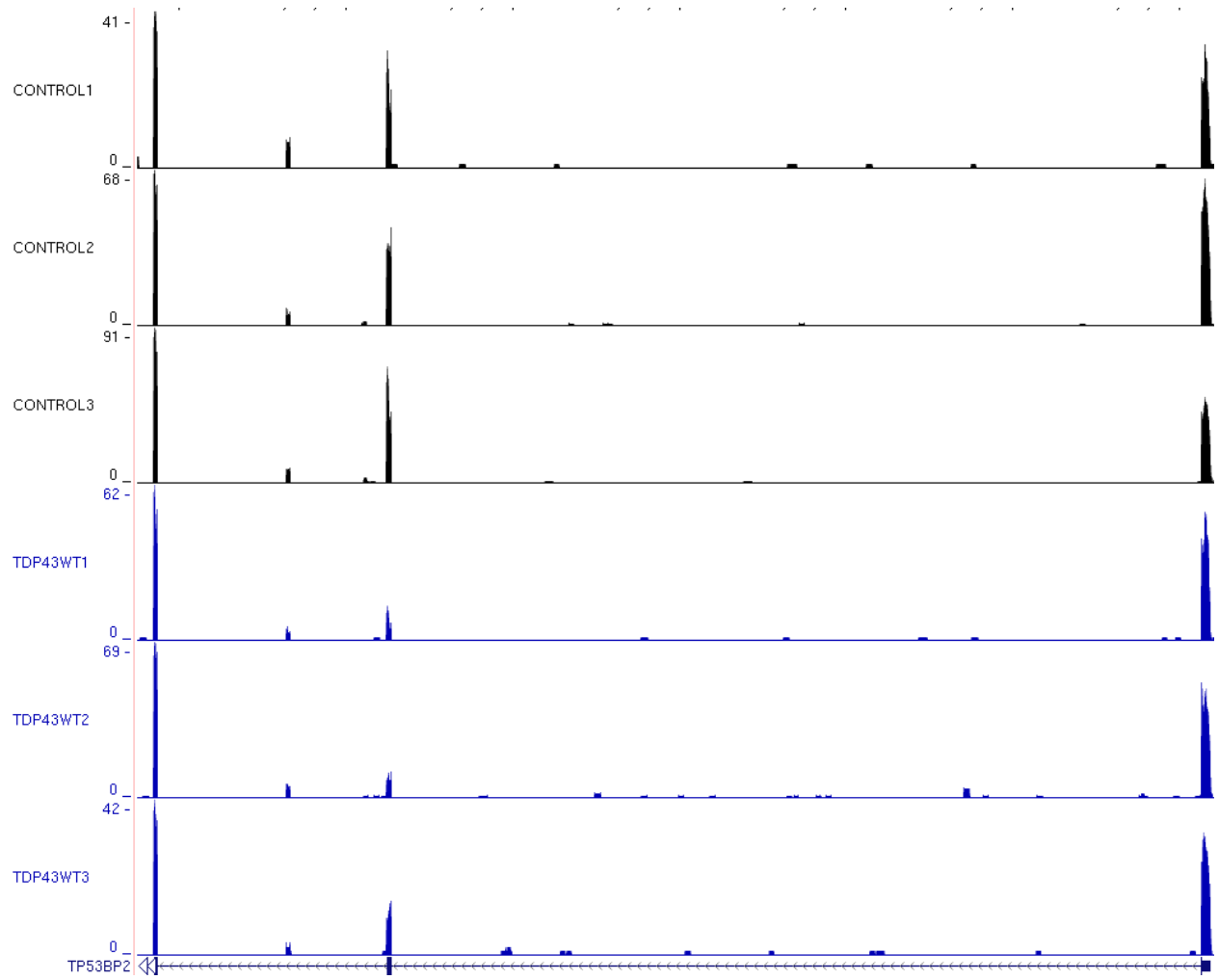
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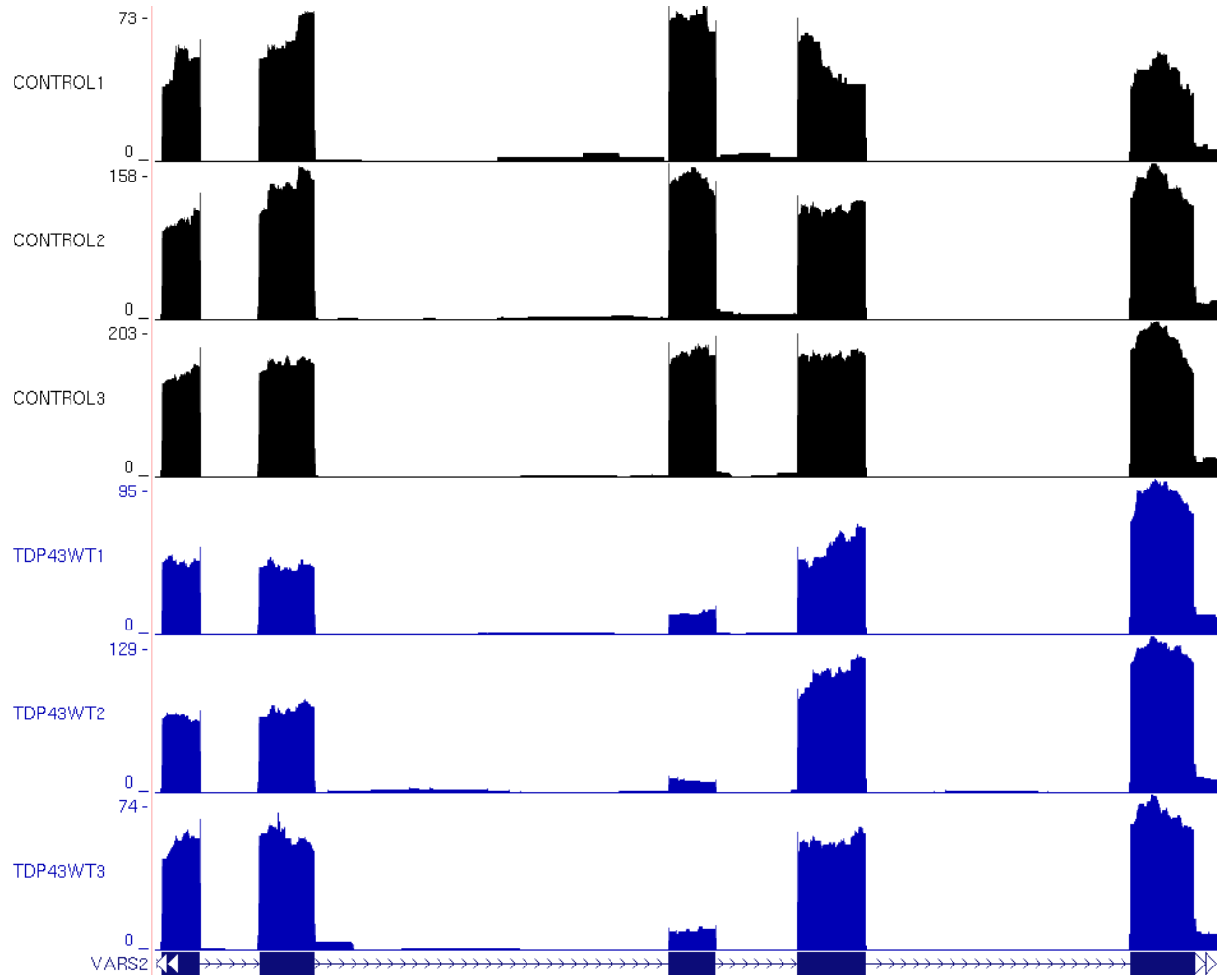
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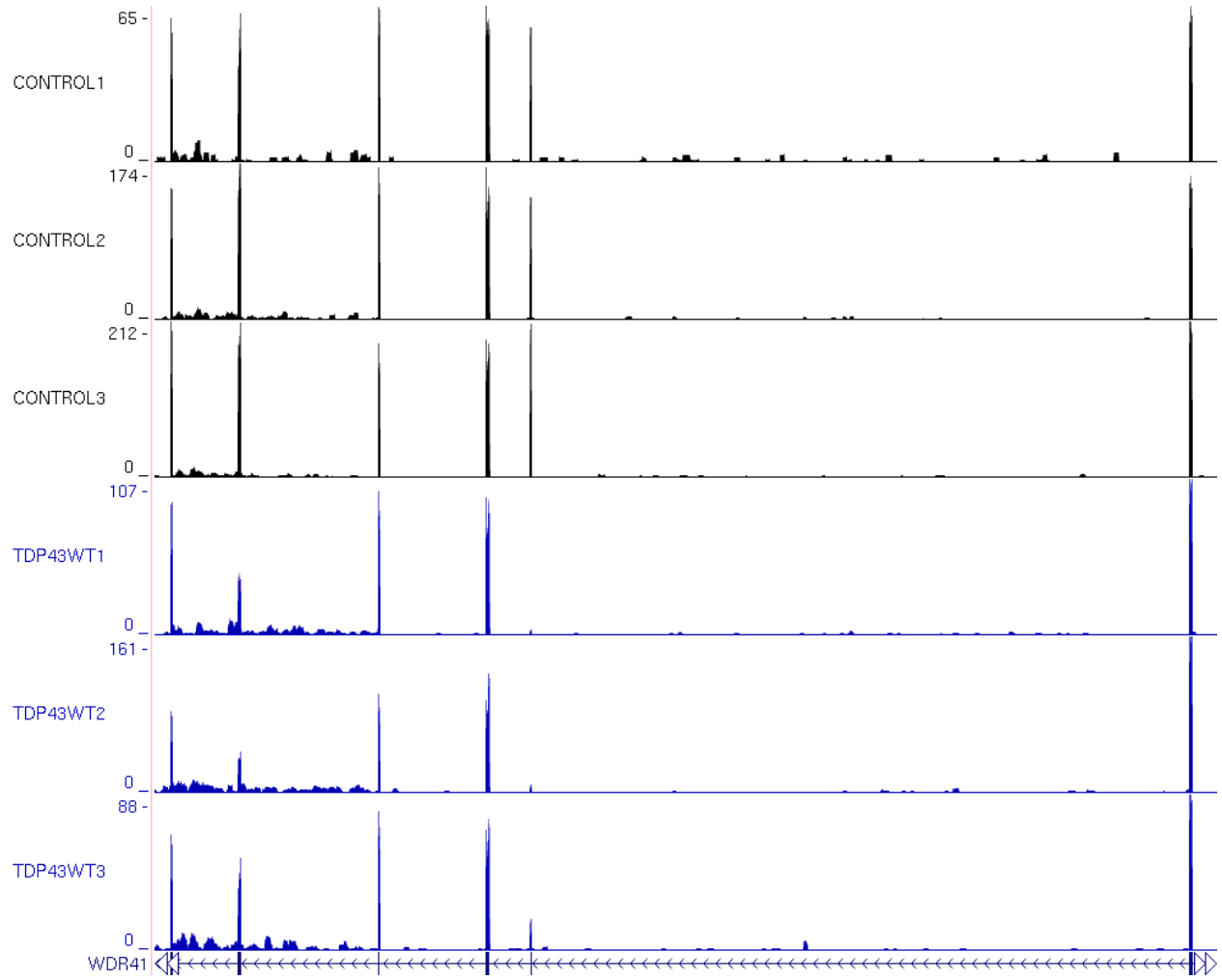
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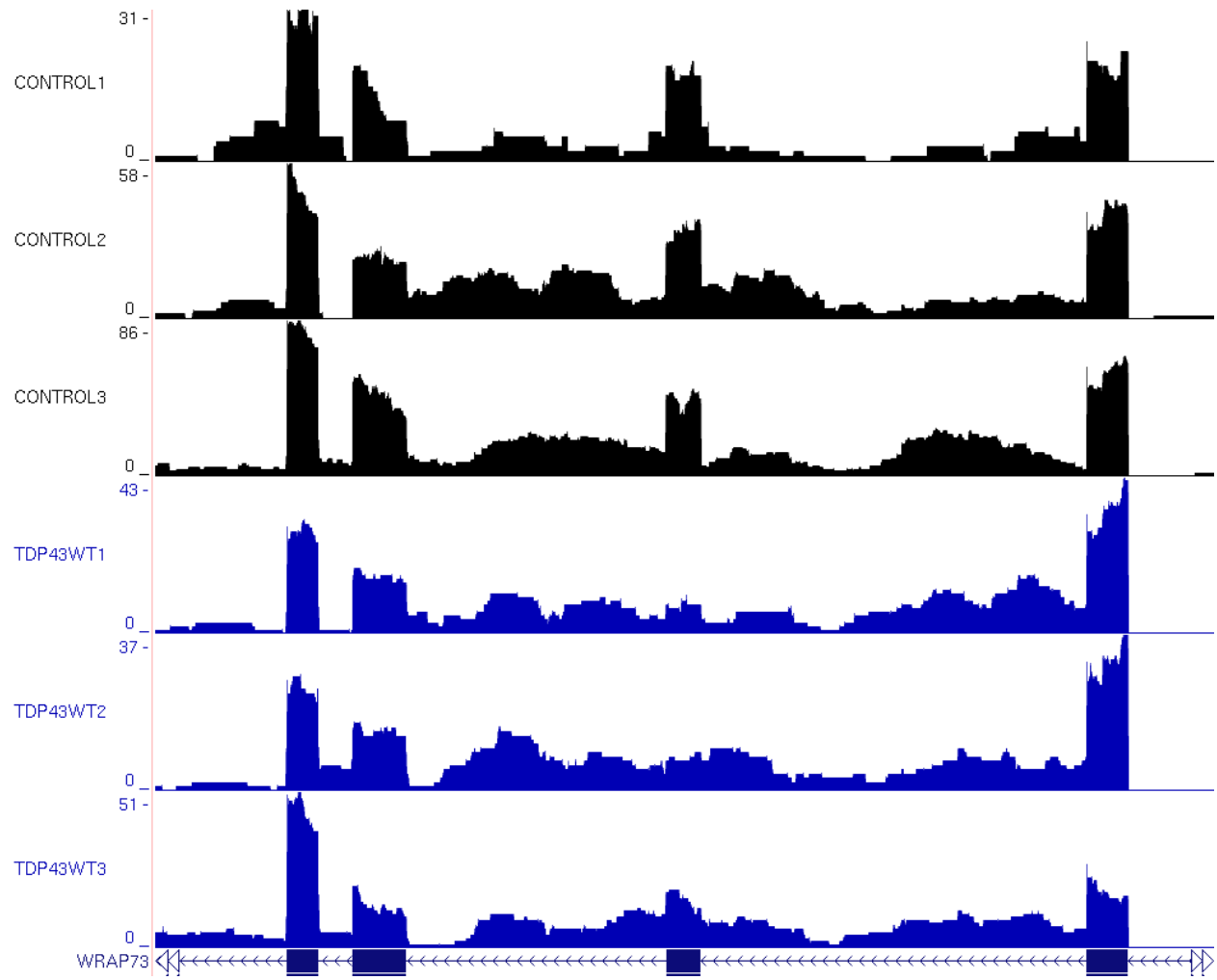
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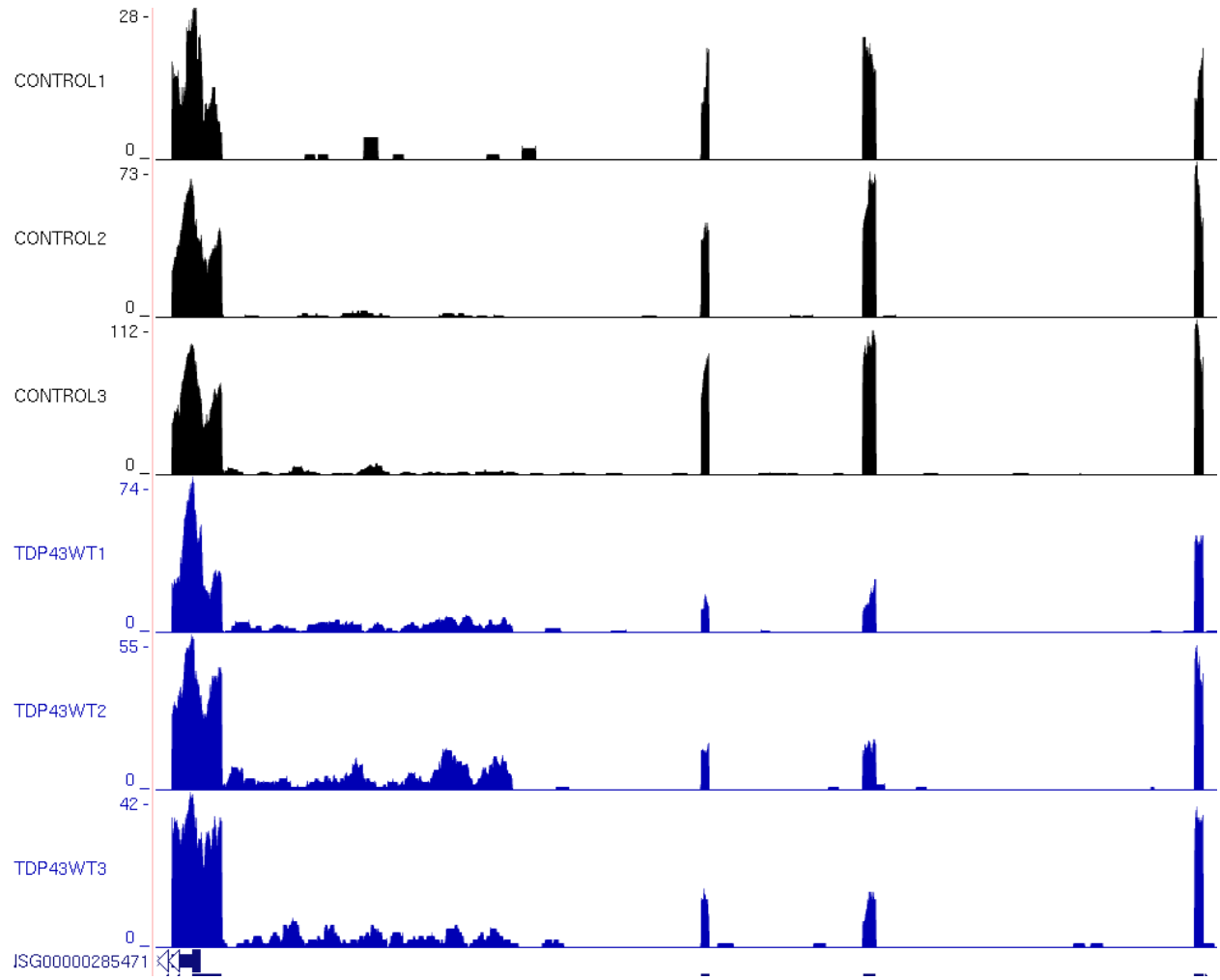
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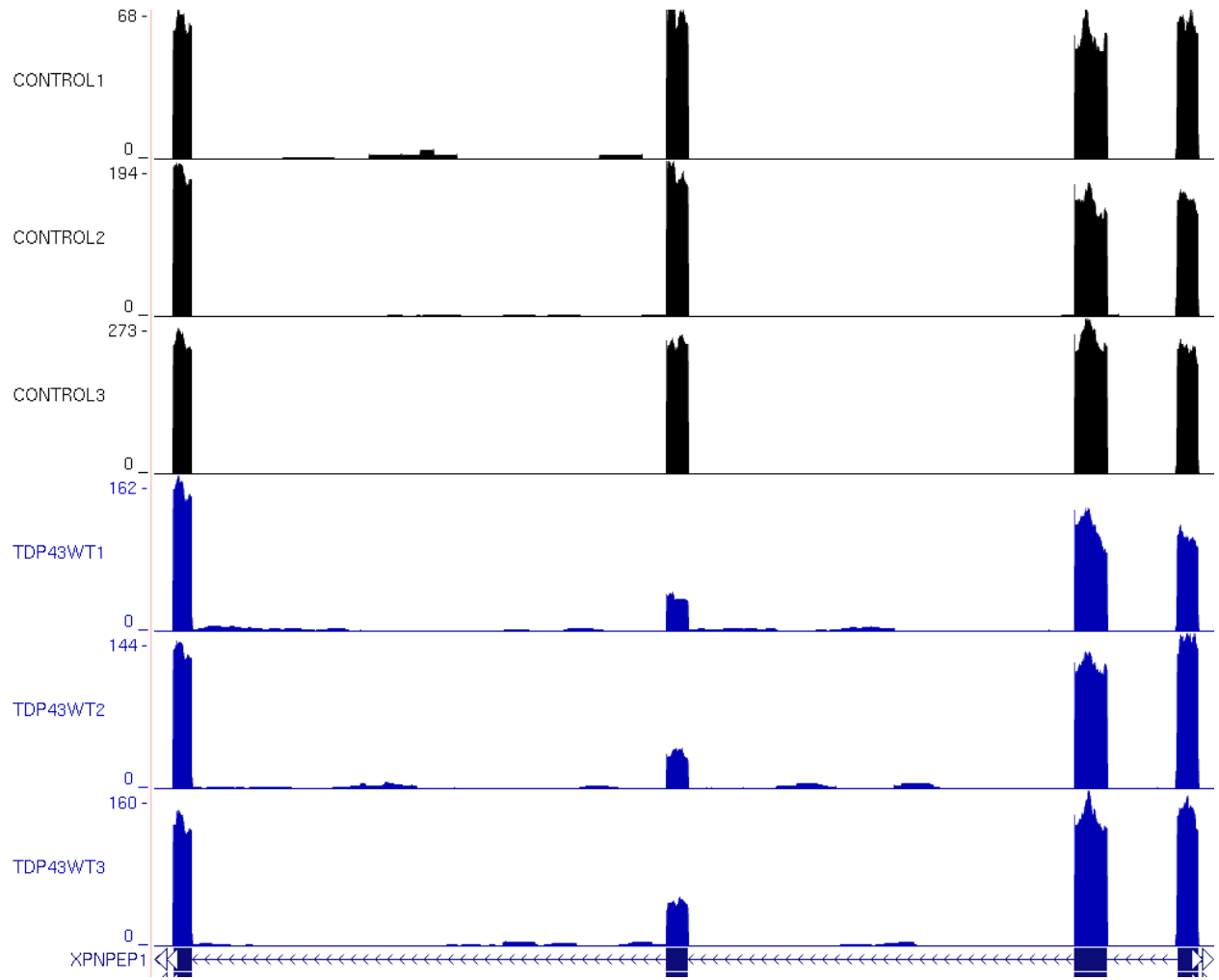
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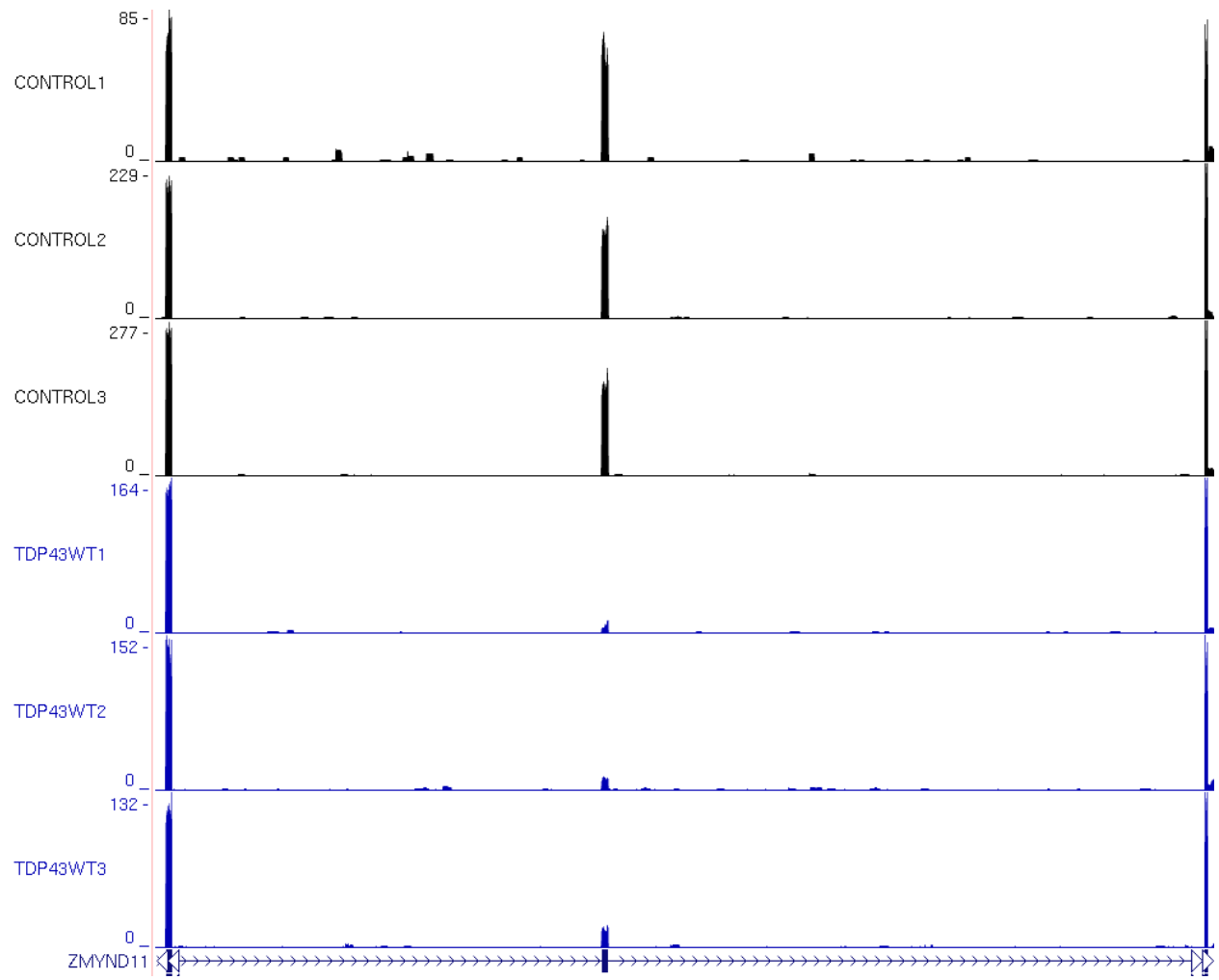
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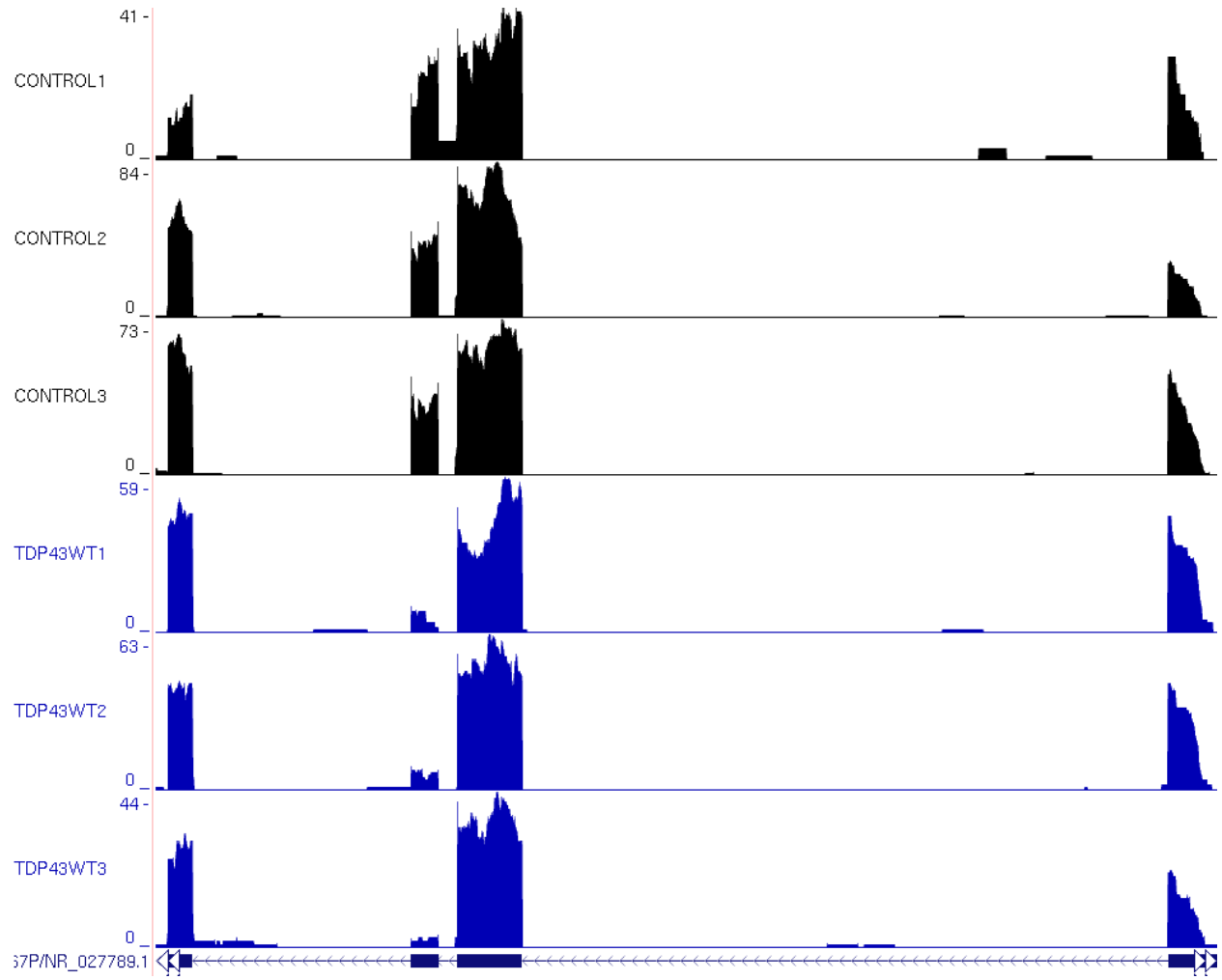
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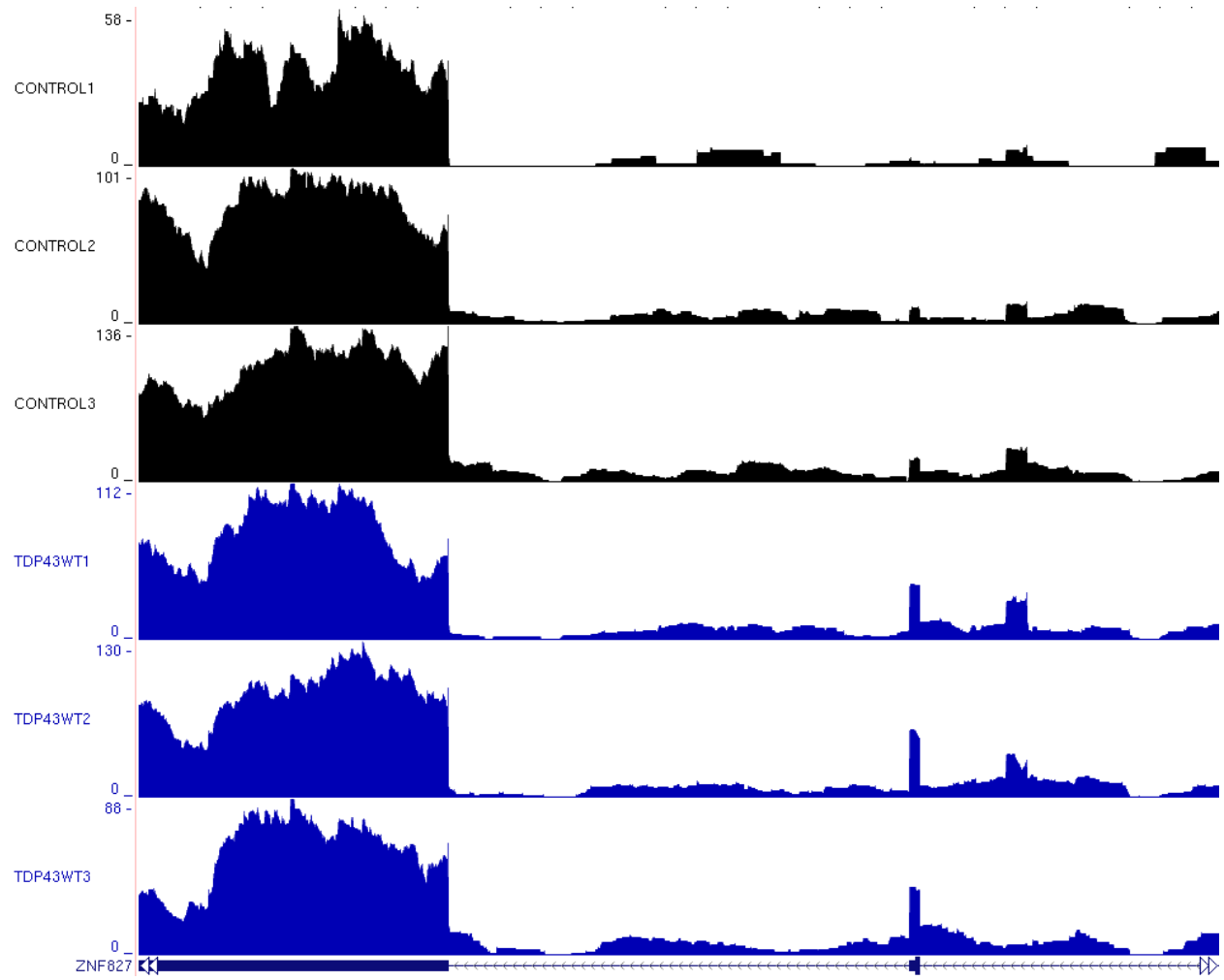
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AAO



AAP



Supplementary file 2. Examples of exon skipping events taken from UCSC genome browser from i3N human neurons infected with lentivirus overexpressing TDP-43^{WT}, (TDPWT1, TDPWT2, TDPWT3) and i3N non infected cells (CONTROL1, CONTROL2, CONTROL3). A = ADAM23, B = AMT, C = BMPR1A, D = BRI3BP, E = CANX, F = CCDC126, G = CERT1, H = CLASP2, I = COQ5, J = CSDE1, K = CSPP1, L = DDL2, M = DRGX (cryptic exon), N = ELP1, O = ELP2, P = ERMAD, Q = FAM66C, R = FAM102A, S = FAT1, T = FBRS, U = FBXO22, V = FRAS1, W = GART, X = HARS2, Y = HCFC2, Z = HIRA, AA = HYOU1, AB = INTS10, AC = ITGB1, AD = KCNMA1, AE = LGI4 (cryptic exon), AF = LINC00680-GUSBP4, AG = MYBBP1A, AH = NHLRC3, AI = NICN1, AJ = NIFK, AK = NIPAL3, AL = NRCAM, AM = NUP88, AN = NUP93, AO = PLXNB1, AP = PPA1, AQ = PTS, AR = RABGGTB, AS = RCHY1, AT = RHOT2, AU = RNF114, AV = SBF1, AW = SCN3A, AX = SCN9A, AY = SESN3, AZ = SLC17A5, AAA = SLC35A5, AAB = SRPK2, AAC = STC2, AAD = TESK1, AAE = TLCD3A, AAF = TMEM263, AAG = TNR, AAH = TP53BP2, AAI = VARS2, AAJ = WDR41, AAK = WRAP73, AAL = WSCD1, AAM = XPNPEP1, AAN = ZMYND11, AAO = ZNF767P, AAP = ZNF827.