

Supplementary Data

The Biological Significance of Targeting Acetylation-mediated Gene Regulation for Designing New Mechanistic Tools and Potential Therapeutics

Chenise O'Garro^{1#}, Loveth Igbineweka^{1#}, Zonaira Ali¹, Mihaly Mezei², and Shiraz Mujtaba^{1*}

The EMBL sequence analysis was then used to perform multiple sequence alignment using the Clustal Omega program tool' is missing the word tool after sequence analysis.

1cm0_b/1-163

KVIEFHVVGNSLNQKPN

2rc4_b/1-264

RCPSVIEFGKYEIHTWYSSPYPQEYSRLPKLYLCEFCCLKYMKSRITILQQHMKKCGWFHPP

3biy_b/1-317

KFSAKRLPST

3toa_b/1-266

KYVDKIHIIGNYEIDAWYFSPFPEDYGKQPKLWLCEYCLKYMKYEKSYRFHLGQCQWRQPP

4bhw_b/1-448

GYCCGRKLEFSPQTLCCYGKQLCTIPRDAYYSYQNRYHFCEKCFNEIQGESVSLGDDPS

5u7g_b/1-410

NDTLDPEPFVDCKECCRKMHQICVLHYDIIWPSGFVCDNCLKKTGRPRKENKFSAKRLQT

6pgu_b/1-313

SKFSAKRLPST

6v8n_b/1-327

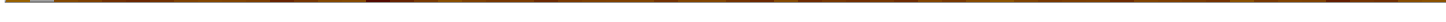
FSAKRLPSTR

1020304050

Conservation



Quality

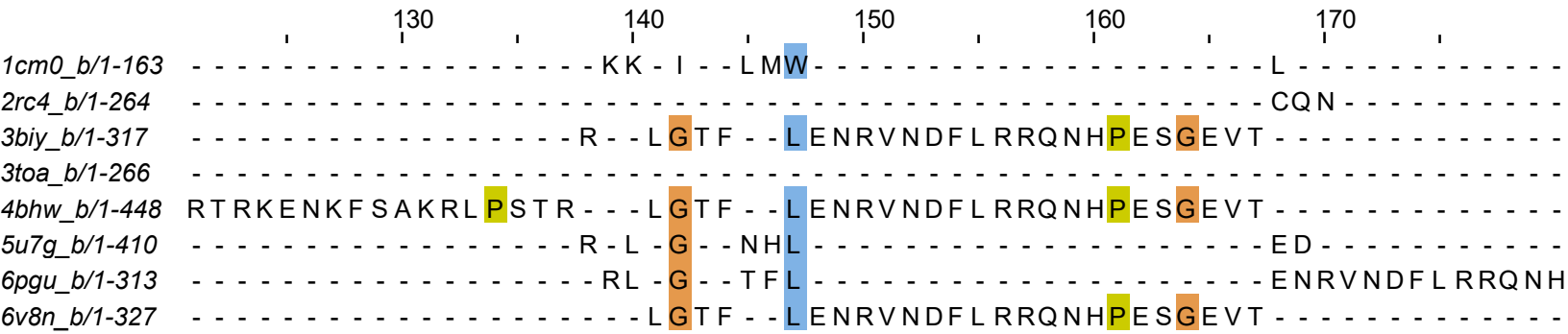


Consensus

KY+SK+E+GN+E I++WY+SPQPC+Y+RDPKLY+CE+CLKYMKK++++RQH+K+++WR+PP

Occupancy





Conservation



Quality

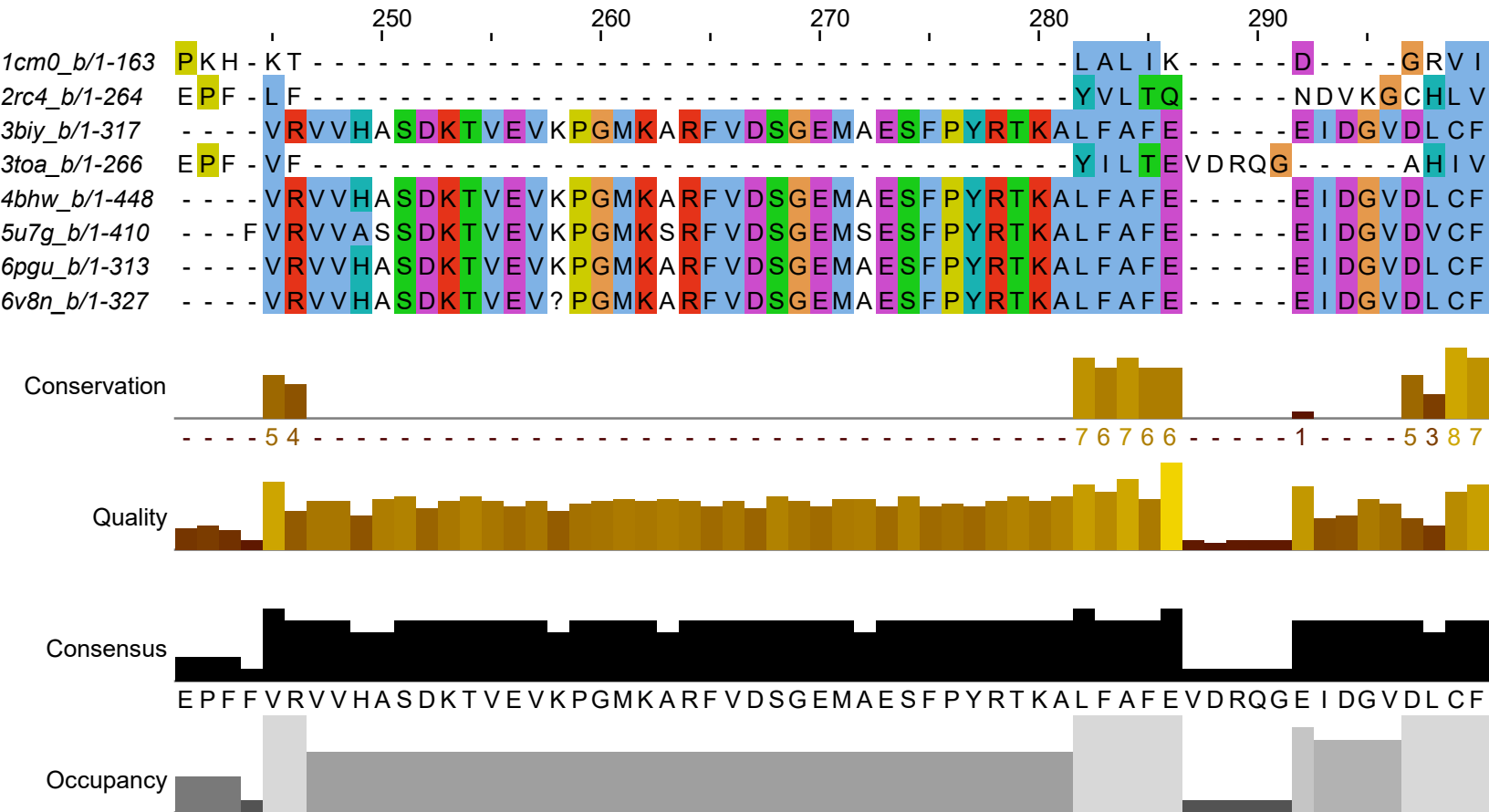


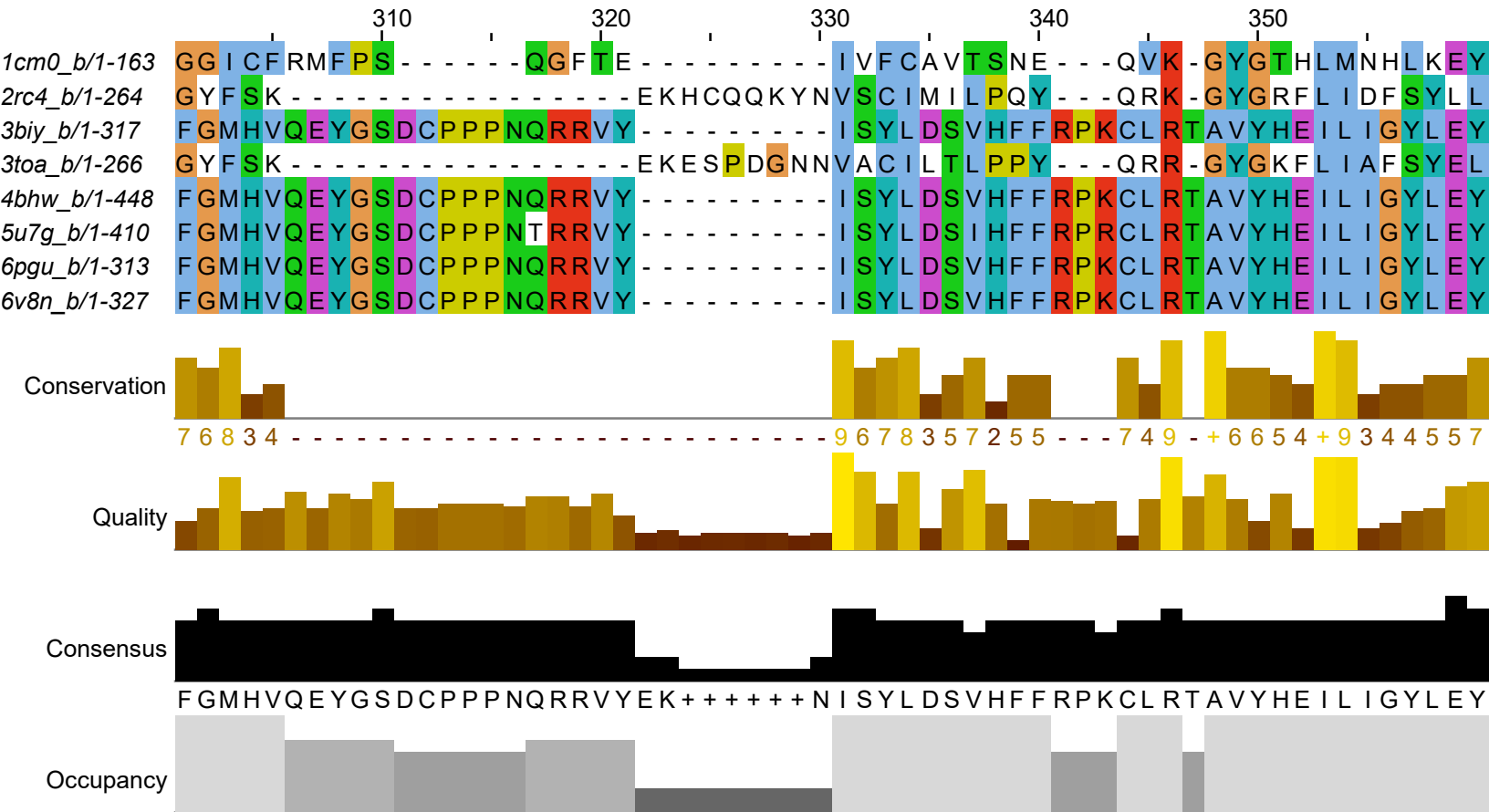
Consensus

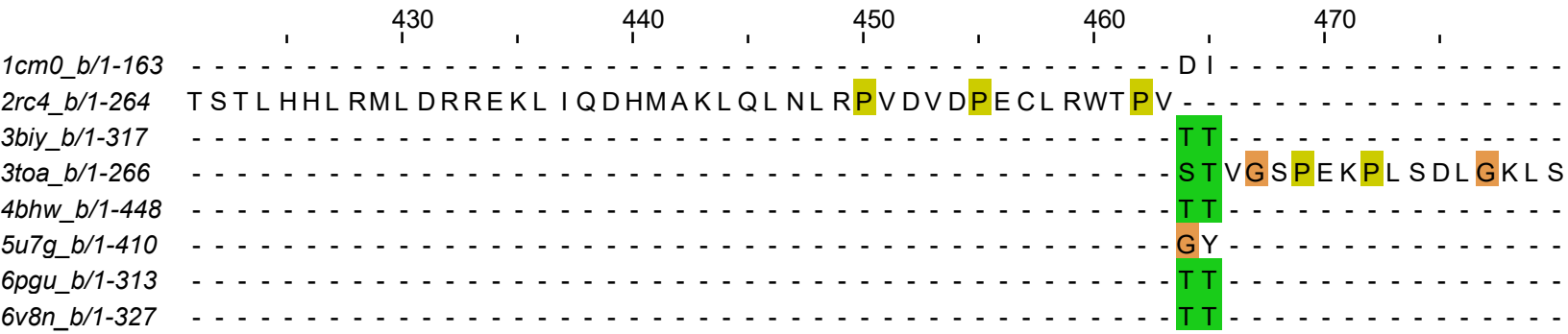


Occupancy









Conservation



Quality



Consensus



Occupancy



610620630640650

1cm0_b/1-163

2rc4_b/1-264

3biy_b/1-317

3toa_b/1-266

4bhw_b/1-448

5u7g_b/1-410

6pgu_b/1-313

6v8n_b/1-327

LDKAVSERIVHDYKDI FKQATEDRLTSAKELPYFEGDFWPNVLEESIKESQKLYATMEKH

MLDKAFAERIINDYKDI FKQANEDRLTSAKELPYFEGDFWPNVLEESIKESGKLYATMEK

LDKAVSERIVHDYKDI FKQATEDRLTSAKELPYFEGDFWPNVLEESIQKLYATMEKHKEV

LDKAVSERIVHDYKDI FKQATEDRLTSAKELPYFEGDFWPNVLEESIKELEQKTSKNKSS

Conservation



Quality



Consensus



Occupancy



670680690700710

1cm0_b/1-163

2rc4_b/1-264

3biy_b/1-317

3toa_b/1-266

4bhw_b/1-448

5u7g_b/1-410

6pgu_b/1-313

6v8n_b/1-327

KEVFFVIRL IAGPAANSLPPIVDPDPLIPCDLMDGRDAFLTLARDRHLEFSSLRRAQWST

HKEVFFV IHLHQPPIVDPDPLLSCDLMDGRDAFLTLARDKHWEFSSLRRSKWSTLCMLVE
FFVIRL IAGPAANSLPPIVDPDPLIPCDLMDGRDAFLTLARDKHLEFSSLRRAQWSTMCM
NDLSQKLYATMEKHKEVFFVIRL IAGPAANSLPPIVDPDPLIPCDLMDGRDAFLTLARDK

Conservation



Quality

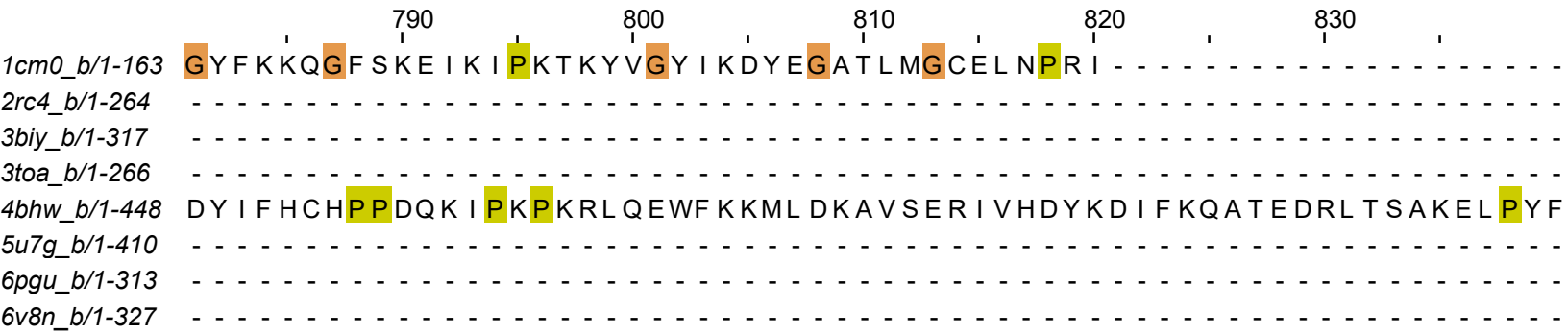


Consensus



Occupancy





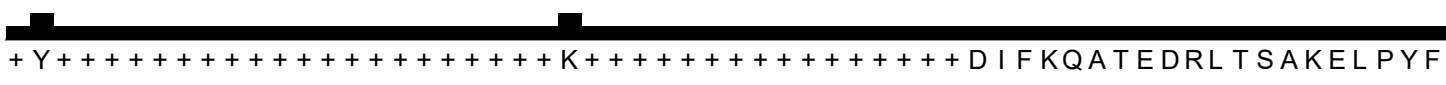
Conservation



Quality

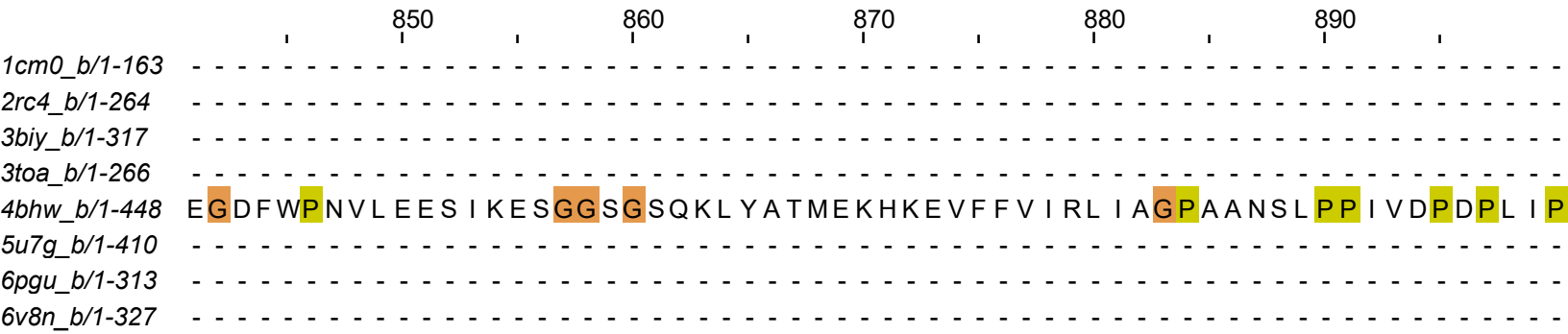


Consensus



Occupancy





Conservation



Quality



Consensus



Occupancy



