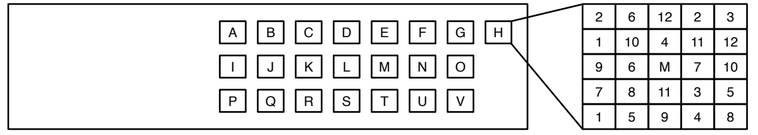
Methyl Domain Readers Array



TUDOR A 1) TDRD1-2 [NP_942090.1] A 2) TDRD1-3 [NP_942090.1] A 3) TDRD1-4 [NP_942090.1] A 4) TDRD2/TDRKH [NP_006853.2] A 5) TDRD3 [NP_110421.1] A 6) TDRD4-1/RNF17 [NP_112567.2] A 7) TDRD4-3/RNF17 [NP_112567.2] A 8) TDRD4-4/RNF17 [NP_112567.2] A 9) TDRD5 [NP_001186014.1] A 10) TDRD6-5 [NP_001161831.1] A 11) TDRD6-6 [NP_001161831.1] A 12) TDRD6-7 [NP_001161831.1]	**TUDOR** B 1) TDRD8 [NP_001247434.1] B 2) TDRD9 [NP_694591.2] B 3) TDRD10 [NP_001091945.1] B 4) TDRD11/SND1/p100TSN [NP_055205.2] B 5) TDRD12-1 [NP_001104292.1] B 6) 53BP1(1-2) [NP_005648.1] B 7) AKAP1 [NP_003479.1] B 8) ARID4A [NP_002883.3] B 9) ARID4B [NP_001193723.1] B 10) JMJD2A(1-2) [NP_055478.2] B 11) LIN9 [NP_775106.2] B 12) Pombe1 [CAA22823] *	**TUDOR** C 1) PHF1 [NM_002636.4] C 2) PHF19 [NM_001286840.1] C 3) PHF20 [NP_057520.2] C 4) PHF20-2 [NP_057520.2] C 5) PHF20L1 [NP_057102.4] C 6) SETDB1 [NP_001138887.1] C 7) SGF29 [NP_612423.1] C 8) SMN [NP_000335.1] C 9) SPF30/SMNDC1 [NP_005862.1] C 10) UHRF1 [NP_001041666.1] C 11) ZGPAT [NP_115916.3]	**TUDOR+PHD** D 1) JMJD2B/KDM4B [AA144293.1] D 2) JMJD2C/KDM4C [NP_055876.2] D 3) MTF2 [NP_001157864.1] **MBT** D 4) L3MBTL1(1-3) [NP_056293.4] D 5) L3MBTL3 [NP_115814.1] **BAH** D 6) ORC1 [NP_001177747.1] **TUDOR** D 7) SPIN1 FL [Q9Y657] D 8) SPIN2A FL [Q99865] D 9) SPIN2B FL [Q9BPZ2] D 10) SPIN3 FL [Q5JUX0] D 11) SPIN4 FL [Q56A73]	**AGENET** E 1) FMR1 [NP_002015.1] E 2) FXR1 [NP_005078.2] E 3) FXR2 [NP_004851.2] **AGENET+KH** E 4) FMRP [Q06787.1] **ANK** E 5) GLP [NP_079033.4] E 6) IkB FL *2 **HEAT** E 7) N-CAPD3(1-4) [NP_056076.1] E 8) N-CAPD3(5-8) [NP_056076.1] **OTHER** E 9) CYB5B FL [NP_085056.2] E 10) FKBP12 FL [AAA58476] E 11) MeCP2 *3	**HORMA** F 1) HORMAD1 [Q86X24] F 2) HORMAD2 [Q8N7B1] F 3) MAD2L1 [Q13257] F 4) MAD2L2 [Q9UI95] F 5) hMAD2 WT (134) [NM_002358.3] *4 **YTH** F 6) YTHDC1 [Q96MU7] F 7) YTHDC2 [Q9H6S0] F 8) YTHDF1 [Q9BYJ9] F 9) YTHDF2 [Q9Y5A9] F 10) YTHDF3 [Q7Z739] **IDCL** F 11) PCNA [NP_872590.1]	**PWWP** G 1) BRD1 G 2) BRPF3 G 3) DNMT3A G 4) DNMT3B G 5) HDGF G 6) HDGF2/HDGFRP2 G 7) HDGFL1 G 8) HDGFRP3 G 9) LEDGF/PSIP1 G 10) MSH6 G 11) MUM1L1 G 12) MBD5	**PWWP** H 1) N-PAC/GLYR1 H 2) NSD1 H 3) Peregrin/BRPF1 H 4) PWWP2/PWWP2B H 5) PWWP2A H 6) WHSC1/MMSET/NSD2 H 7) WHSC1L1/NSD3
CHROMO I 1) HP1β/CBX1 [NP_006798.1] I 2) CBX2 [NP_005180.1] I 3) HP1γ/CBX3 [NP_009207.2] I 4) CBX4 [NP_003646.2] I 5) HP1α/CBX5 [NP_001120793.1] I 6) CBX6 [NP_055107.3] I 7) CBX7 [NP_783640.1] I 8) CBX8 [NP_065700.1] I 9) CDY1 [NP_733841.1] I 10) CDYL1b [AAI08726.1] I 11) CDYL2 [BAC04720.1] I 12) MSL3 [NP_523353.2]	**CHROMO** J 1) ARID4A [NP_002883.3] J 2) ARID4B [NP_057458.4] J 3) MPP8 [NP_059990.2] J 4) MRG15 [NP_006782.1] J 5) MYST1/MOF [NP_892003.2] J 6) SMARCC1 [NP_003065.3] J 7) SMARCC2 [NP_003066.2] J 8) SUV39H1 [NP_003164.1] J 9) SUV39H2 [NP_1180353.1] J 10) TIP60 [NP_874369.1]	**CHROMO** K 1) CHD1 [NP_001261.2] K 2) CHD2 [NP_001262.3] K 3) CHD6 [NP_115597.3] K 4) CHD7 [NP_060250.2] K 5) CHD8 [NP_1164100.1] K 6) CHD9 [NP_079410.4] **CHROMO+PHD** K 7) CHD3 [Q12873] K 8) CHD4 [Q14839] K 9) CHD5 [Q8TDI0]	**PHD** L 1) ASXL1 L 2) ASXL2 L 3) ASXL3 L 4) TAF3 L 5) DATF1/DIDO1 L 6) RAG2 L 7) RSF1/HBXAP L 8) SHPRH L 9) TCF19 **PHD(2)** L 10) AIRE L 11) MTF2	**PHD** M 1) ING1 M 2) ING2 M 3) ING3 M 4) ING4 M 5) ING5 M 6) PYGO1 M 7) PYGO2 M 8) UHRF1 M 9) UHRF2 **PHD(2)** M 10) KAT6A/MYST3 M 11) KAT6B/MYST4	**PHD** N 1) KDM5A(1) N 2) KDM5A(2) N 3) KDM5A(3) N 4) KDM5B(1) N 5) KDM5B(2) N 6) KDM5B(3) N 7) KDM5C(1) N 8) KDM5C(2) N 9) KDM5D(1) N 10) KDM5D(2) N 11) KDM7A	**PHD** O 1) NSD1(4) O 2) WHSC1/MMSET/NSD2(4) O 3) WHSC1L1/NSD3(4) **PHD(2)** O 4) NSD1(1-2) O 5) WHSC1/MMSET/NSD2(1-2) O 6) WHSC1L1/NSD3(1-2) **PHD+PWWP** O 7) NSD1(3) O 8) WHSC1/MMSET/NSD2(3) O 9) WHSC1L1/NSD3(3)	
PHD+BROMO+BAH P 1) ASH1L(long) **PHD+BROMO+PWWP** P 2) ZMYND8/RACK7 P 3) ZMYND11 **PHD+BROMO+SAND** P 4) SP100 P 5) SP110 P 6) SP140 [Q13342] P 7) SP140L [Q9H930] **PHD+DDT+WHIM1** P 8) BPTF/FALZ(1) **PHD+BROMO** P 9) FALZ/BPTF(2)	**PHD** Q 1) BAZ1A [Q9NRL2] Q 2) TRIM28 [Q13263] **PHD+BROMO** Q 3) BAZ1B [Q9UIG0] Q 4) BAZ2A [Q9UIF9] Q 5) BAZ2B [Q9UIF8] Q 6) TRIM24 [O15164] Q 7) TRIM28 [Q13263] Q 8) TRIM33/TIF1G [Q9UPN9] Q 9) TRIM66 [O15016] Q 10) CBP/CREBBP [Q92793] Q 11) p300/EP300 [Q09472]	**PHD** R 1) PHF2 [O75151] R 2) PHF3 [Q92576] R 3) PHF8/JHDM1F [Q9UPP1] R 4) PHF12(1) [Q96QT6] R 5) PHF12(2) [Q96QT6] R 6) PHF13 [Q86YI8] R 7) CXXC1/PHF18 [Q9P0U4] R 8) PHF20 [Q9BVI0] R 9) PHF20L1 [A8MW92] R 10) PHF22/INTS12 [Q96CB8] R 11) PHF23 [Q9BUL5] R 12) PHF24 [Q9UPV7]	**PHD** S 1) PHF14(3) [O94880] S 2) PHF21B [Q96EK2] **PHD(2)** S 3) PHF1 [O43189] S 4) PHF10 [Q8WUB8] S 5) PHF19 [Q5T6S3] **PHD+ZF-C2HC** S 6) PHF14(1-2) [O94880] S 7) PHF15/JADE2 [Q9NQC1] S 8) PHF16/JADE3 [Q92613] S 9) PHF17/JADE1 [Q6IE81] **PHD+AT hook** S 10) PHF21A [Q96BD5]	**PHD+C2HC** T 1) BRPF1/Peregrin [P55201] T 2) BRPF3 [Q9ULD4] T 3) KMT2A/MLL1(4) [Q03164] T 4) KMT2B/MLL2(4) [Q9UMN6] T 5) KMT2C/MLL3(1-4) [Q8NEZ4] T 6) KMT2C/MLL3(8) [Q8NEZ4] T 7) KMT2D/MLL4(1-3) [O14686] T 8) KMT2D/MLL4(7) [O14686] T 9) MLLT6 [P55198] T 10) MLLT10 [P55197]	**PHD (ring)** U 1) DTX4 [Q9Y2E6] **PHD(2)** U 2) DPF1 [Q92782] U 3) DPF3 [Q92784] **PHD(2)+C2H2** U 4) DPF2 [Q92785] U 5) DPF3 [Q92784] **PHD+C2H2+PHD(2)** U 6) BRD1 [O95696] **PHD** U 7) KMT2A/MLL1(1-3) [Q03164] U 8) KMT2B/MLL2(1-3) [Q9UMN6] U 9) KMT2C/MLL3(5-7) [Q8NEZ4] U 10) KMT2D/MLL4(4-6) [O14686] U 11) KMT2E/MLL5 [Q8IZD2]	**ZF-CW** V 1) KDM1B/AOF1/LSD2 [Q8NB78] V 2) MORC1 [Q86VD1] V 3) MORC2 [Q9Y6X9] V 4) MORC3 [Q14149] V 5) MORC4 [Q8TE76] **ZF-CW+PWWP** V 6) ZCWPW1 [Q9H0M4] V 7) ZCWPW2 [Q504Y3] **ZF-ring+PHD** V 8) PHRF1 [Q9P1Y6] **ZF-CXXC+PHD** V 9) FBXL19 [Q6PCT2]	

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