AAA69959 *Bacillus amyloliquefaciens phage H2* 5C-DNA methyltransferase

P00476 *Bacteriophage SPR* 1010250A AAA32604 MTBS_BPSPR Modification methylase SPRI (Cytosine-specific methyltransferase SPRI) (M.SPRI)/1010250A methyltransferase/DNA methyltransferase

P09915 *Bacteriophage rho-11s* CAA28869 *Bacteriophage Rho11s* MTBR_BPRH1 Modification methylase Rho11sI (Cytosine-specific methyltransferase Rho11sI) (Bsu P11s) (M.Rho11sI)/unnamed protein product

Ppa_DRM2_1_1

Ppa_DRM2_2_1

Smo_DRM2_1_1

Smo_DRM2_4_1

Smo_DRM2_2_1

CAJ01711 *Hordeum vulgare subsp. vulgare* putative cytosine methyltransferase

ABA91139 *Oryza sativa* (japonica cultivar-group) DNA cytosine methyltransferase Zmet3, putative

AAF68437 *Zea mays* putative DNA cytosine methyltransferase Zmet3

XP_468575 *Oryza sativa* (japonica cultivar-group) AAN61474 Putative DNA cytosine methyltransferase Zmet3/Putative DNA cytosine methyltransferase Zmet3

AT3G17310 = NP_850603 NP_566573 BAB02735 AAK92819 AAN12982 methyltransferase/methyltransferase /unnamed protein product /unknown protein /unknown protein

AAM93211 *Zea mays* DNA methyltransferase DMT106

AAT85176 *Oryza sativa* (japonica cultivar-group) putative DNA methyltransferase DMT106

BAC67060 *Nicotiana tabacum* DNA methyltransferase

AT5G15380 = NP_197042 CAB89348 DRM1 (DOMAINS REARRANGED METHYLASE 1)/putative protein

AT5G14620 = NP_196966 CAB87629 AAF66129 BAD43901 BAD94486 DRM2 (DOMAINS REARRANGED METHYLTRANSFERASE 2)/putative protein /cytosine methyltransferase /putative protein /putative protein

gnl|CMER|CMR026C_probable_DNA_(cytosine-5)-methyltransferase_3

XP_394274 *Apis mellifera* PREDICTED: similar to de novo DNA methyltransferase 3

XP_787412 *Strongylocentrotus purpuratus* PREDICTED: similar to DNA methyltransferase 3A isoform 1

XP_683420 *Danio rerio* NP_001018312 BAD95481 PREDICTED: similar to DNA methyltransferase/DNA methyltransferase /DNA methyltransferase

XP_683057 *Danio rerio* PREDICTED: similar to DNA methyltransferase

CAF96171 *Tetraodon nigroviridis* unnamed protein product

XP_683685 *Danio rerio* NP_001020621 BAD95478 PREDICTED: similar to DNA cytosine-5 methyltransferase 3 beta isoform 2/DNA (cytosine-5-)-methyltransferase 4 /DNA methyltransferase

BAC37013 *Mus musculus* unnamed protein product

XP_885760 *Bos taurus* XP_540110 *Canis familiaris* NP_001003957 *Rattus norvegicus* NP_715640 *Homo sapiens* NP_714965 *Mus musculus* NP_031898 NP_001003958 *Rattus norvegicus* XP_515335 *Pan troglodytes* NP_072046 *Homo sapiens* NP_783328 XP_872736 *B*

XP_422952 *Gallus gallus* NP_001020003 BAD99023 PREDICTED: similar to DNA cytosine-5 methyltransferase 3 beta isoform 3; DNA methyltransferase HsaIIIB; DNA MTase HsaIIIB/DNA (cytosine-5)-methyltransferase 3A /DNA methyltransferase 3A

XP_689042 *Danio rerio* NP_001018144 BAD95482 PREDICTED: similar to DNA (cytosine-5-)-methyltransferase 8/DNA (cytosine-5-)-methyltransferase 8 /DNA methyltransferase

CAG13174 *Tetraodon nigroviridis* unnamed protein product

NP_001018150 *Danio rerio* BAD95480 DNA (cytosine-5-)-methyltransferase 6/DNA methyltransferase

XP_910764 *Mus musculus* XP_139160 XP_890087 PREDICTED: similar to DNA methyltransferase 3B isoform 2/PREDICTED: similar to DNA methyltransferase 3B isoform 2 /PREDICTED: similar to DNA (cytosine-5)-methyltransferase 3B (Dnmt3b) (DNA methyltransferase

NP_001003959 *Rattus norvegicus* CAE52319 DNA methyltransferase 3B/TPA: putative DNA (cytosine-5) methyltransferase 3b

NP_034198 *Mus musculus* NP_001003961 NP_001003963 NP_001003960 O88509 AAC40178 AAC40179 AAC40180 AAF74515 AAF74516 AAF74517 AAF74518 AAF74519 AAF74520 AAF74521 AAF74522 AAL85481 AAI05923 DNA methyltransferase 3B isoform 3/DNA methyltransferase 3B isof

NP_787045 *Homo sapiens* NP_008823 NP_787044 NP_787046 Q9UBC3 CAB53069 CAB53070 CAB53071 AAD53062 AAD53063 AAF04015 AAL57040 DNA cytosine-5 methyltransferase 3 beta isoform 3/DNA cytosine-5 methyltransferase 3 beta isoform 1 /DNA cytosine-5 methyltrans

NP_861529 *Bos taurus* AAP20552 AAP20553 AAP20554 AAP20555 DNA (cytosine-5-)-methyltransferase 3 beta/DNA cytosine-5 methyltransferase 3b isoform 1 /DNA cytosine-5 methyltransferase 3b isoform 3 /DNA cytosine-5 methyltransferase 3b isoform 4 /DNA cytos

NP_001018315 *Danio rerio* BAD95479 DNA methyltransferase dnmt5/DNA methyltransferase

AAD32631 *Danio rerio* de novo DNA methyltransferase 3

XP_684168 *Danio rerio* NP_571461 BAD95477 PREDICTED: similar to DNA (cytosine-5-)-methyltransferase 3/DNA (cytosine-5-)-methyltransferase 3 /DNA methyltransferase

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