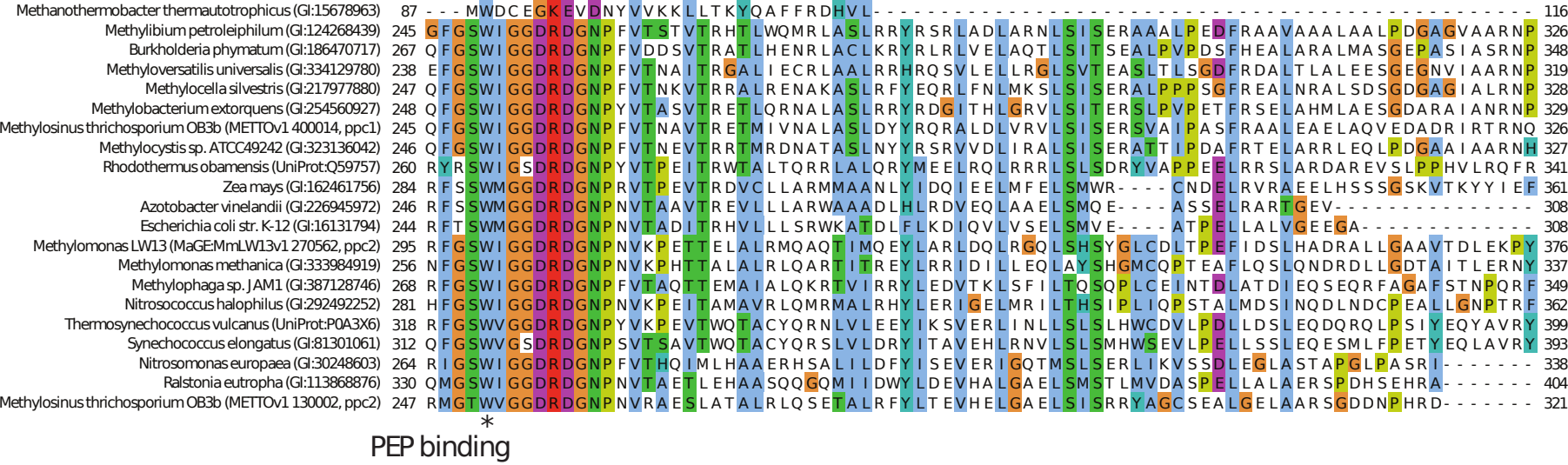
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Methylibium petroleiphilum (GI:124268439) 245 GFGSWIGGDRDGNPFVTSTVTRHTLWQMRLASLRRYRSRLADLARNLSISERAAALPEDFRAAVAAALAALPDGAGVAARNP 326
Burkholderia phymatum (GI:186470717) 267 QFGSWIGGDRDGNPFVDDSVTRATLHENRLACLKRYRLRLVELAQTLSITSEALPVPDSFHEALARALMASGEPASIASRNP 348
Methyloversatilis universalis (GI:334129780) 238 EFGSWIGGDRDGNPFVTNAITRGALIECRLAALRRHRQSVLELLRGLSVTEASLTLSGDFRDALTLALEESGEGNVIAARNP 319
Methylocella silvestris (GI:217977880) 247 QFGSWIGGDRDGNPFVTNKVTRRALRENAKASLRFYEQRLFNLMKSLSISERALPPPSGFREALNRALSDSGDGAGIALRNP 328
Methylobacterium extorquens (GI:254560927) 248 QFGSWIGGDRDGNPYVTASVTRETLQRNALASLRRYRDGITHLGRVLSITERSLPVPETFRSELAHMLAESGDARAIANRNP 329
Methylosinus thrichosporium OB3b (METTOv1 400014, ppc1) 245 QFGSWIGGDRDGNPFVTNAVTRETMIVNALASLDYYRQRALDLVRVLSISERSVAIPASFRAALEAELAQVEDADRIRTRNQ 326
Methylocystis sp. ATCC49242 (GI:323136042) 246 QFGSWIGGDRDGNPFVTNEVTRRTMRDNATASLNYYRSRVVDLIRALSISERATTIPDAFRTELARRLEQLPDGAAIAARNH 327
Rhodothermus obamensis (UniProt:Q59757) 260 RYRSWIGSDRDGNPYVTPEITRWTALTQRRLALQRYMEELRQLRRRLSLSDRYVAPPEELRRSLARDAREVSLPPHVLRQFR 341
Zea mays (GI:162461756) 284 RFSSWMGGDRDGNPRVTPEVTRDVCLLARMMAANLYIDQIEELMFELSMWR- - - - CNDELRVRAEELHSSSGSKVTKYYIEF 361
Azotobacter vinelandii (GI:226945972) 246 RFSSWMGGDRDGNPNVTAAVTREVLLLARWAAADLHLRDVEQLAAELSMQE- - - - ASSELRARTGEV- - - - - - - - - - - - - - 308
Escherichia coli str. K-12 (GI:16131794) 244 RFTSWMGGDRDGNPNVTADITRHVLLLSRWKATDLFLKDIQVLVSELSMVE- - - - ATPELLALVGEEGA- - - - - - - - - - - - - 308
Methylomonas LW13 (MaGE:MmLW13v1 270562, ppc2) 295 RFGSWIGGDRDGNPNVKPETTELALRMQAQTIMQEYLARLDQLRGQLSHSYGLCDLTPEFIDSLHADRALLGAAVTDLEKPY 376
Methylomonas methanica (GI:333984919) 256 NFGSWIGGDRDGNPNVKPHTTALALRLQARTITREYLRRIDILLEQLAYSHGMCQPTEAFLQSLQNDRDLLGDTAITLERNY 337
Methylophaga sp. JAM1 (GI:387128746) 268 RFGSWIGGDRDGNPFVTAQTTEMAIALQKRTVIRRYLEDVTKLSFILTQSQPLCEINTDLATDIEQSEQRFAGAFSTNPQRF 349
Nitrosococcus halophilus (GI:292492252) 281 HFGSWIGGDRDGNPNVKPEITAMAVRLQMRMALRHYLERIGELMRILTHSIPLIQPSTALMDSINQDLNDCPEALLGNPTRF 362
Thermosynechococcus vulcanus (UniProt:P0A3X6) 318 RFGSWVGGDRDGNPYVKPEVTWQTACYQRNLVLEEYIKSVERLINLLSLSLHWCDVLPDLLDSLEQDQRQLPSIYEQYAVRY 399
Synechococcus elongatus (GI:81301061) 312 QFGSWVGSDRDGNPSVTSAVTWQTACYQRSLVLDRYITAVEHLRNVLSLSMHWSEVLPELLSSLEQESMLFPETYEQLAVRY 393
Nitrosomonas europaea (GI:30248603) 264 RIGSWIGGDRDGNPFVTHQIMLHAAERHSALILDFYISEVERIGQTMSLSERLIKVSSDLEGLASTAPGLPASRI- - - - - - - 338
Ralstonia eutropha (GI:113868876) 330 QMGSWIGGDRDGNPNVTAETLEHAASQQGQMIIDWYLDEVHALGAELSMSTLMVDASPELLALAERSPDHSEHRA- - - - - - - 404
Methylosinus thrichosporium OB3b (METTOv1 130002, ppc2) 247 RMGTWVGGDRDGNPNVRAESLATALRLQSETALRFYLTEVHELGAELSISRRYAGCSEALGELAARSGDDNPHRD- - - - - - - 321
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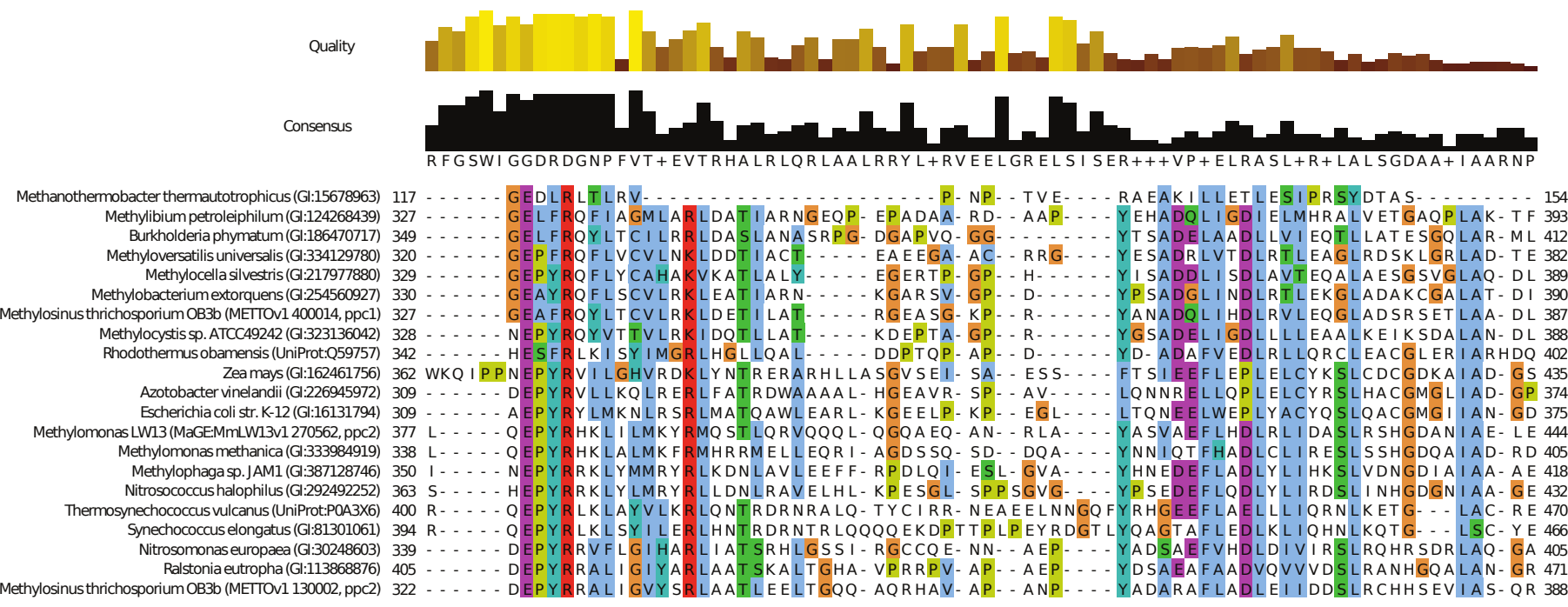
PEP binding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Methanothermobacter thermautotrophicus (GI:15678963) 117 - - - - - - GEDLRLTLRV- P- NP- - TVE- - - - RAEAKILLETLESIPRSYDTAS- - - - - - - - - 154
Methylibium petroleiphilum (GI:124268439) 327 - - - - - - GELFRQFIAGMLARLDATIARNGEQP- EPADAA- RD- - AAP- - - - YEHADQLIGDIELMHRALVETGAQPLAK- TF 393
Burkholderia phymatum (GI:186470717) 349 - - - - - - GELFRQYLTCILRRLDASLANASRPG- DGAPVQ- GG- - - - - - - - YTSADELAADLLVIEQTLLATESGQLAR- ML 412
Methyloversatilis universalis (GI:334129780) 320 - - - - - - GEPFRQFLVCVLNKLDDTIACT- - - - - EAEEGA- AC- - RRG- - - - YESADRLVTDLRTLEAGLRDSKLGRLAD- TE 382
Methylocella silvestris (GI:217977880) 329 - - - - - - GEPYRQFLYCAHAKVKATLALY- - - - - EGERTP- GP- - H- - - - - - YISADDLISDLAVTEQALAESGSVGLAQ- DL 389
Methylobacterium extorquens (GI:254560927) 330 - - - - - - GEAYRQFLSCVLRKLEATIARN- - - - - KGARSV- GP- - D- - - - - - YPSADGLINDLRTLEKGLADAKCGALAT- DI 390
Methylosinus thrichosporium OB3b (METTOv1 400014, ppc1) 327 - - - - - - GEAFRQYLTCVLRKLDETILAT- - - - - RGEASG- KP- - R- - - - - - YANADQLIHDLRVLEQGLADSRSETLAA- DL 387
Methylocystis sp. ATCC49242 (GI:323136042) 328 - - - - - - NEPYRQYVTTVLRKIDQTLLAT- - - - - KDEPTA- GP- - R- - - - - - YGSADELIGDLLLLEAALKEIKSDALAN- DL 388
Rhodothermus obamensis (UniProt:Q59757) 342 - - - - - - HESFRLKISYIMGRLHGLLQAL- - - - - DDPTQP- AP- - D- - - - - - YD- ADAFVEDLRLLQRCLEACGLERIARHDQ 402
Zea mays (GI:162461756) 362 WKQIPPNEPYRVILGHVRDKLYNTRERARHLLASGVSEI- SA- - ESS- - - - FTSIEEFLEPLELCYKSLCDCGDKAIAD- GS 435
Azotobacter vinelandii (GI:226945972) 309 - - - - - - DEPYRVLLKQLRERLFATRDWAAAAL- HGEAVR- SP- - AV- - - - - LQNNRELLQPLELCYRSLHACGMGLIAD- GP 374
Escherichia coli str. K-12 (GI:16131794) 309 - - - - - - AEPYRYLMKNLRSRLMATQAWLEARL- KGEELP- KP- - EGL- - - - LTQNEELWEPLYACYQSLQACGMGIIAN- GD 375
Methylomonas LW13 (MaGE:MmLW13v1 270562, ppc2) 377 L- - - - - QEPYRHKLILMKYRMQSTLQRVQQQL- QGQAEQ- AN- - RLA- - - - YASVAEFLHDLRLIDASLRSHGDANIAE- LE 444
Methylomonas methanica (GI:333984919) 338 L- - - - - QEPYRHKLALMKFRMHRRMELLEQRI- AGDSSQ- SD- - DQA- - - - YNNIQTFHADLCLIRESLSSHGDQAIAD- RD 405
Methylophaga sp. JAM1 (GI:387128746) 350 I- - - - - NEPYRRKLYMMRYRLKDNLAVLEEFF- RPDLQI- ESL- GVA- - - - YHNEDEFLADLYLIHKSLVDNGDIAIAA- AE 418
Nitrosococcus halophilus (GI:292492252) 363 S- - - - - HEPYRRKLYLMRYRLLDNLRAVELHL- KPESGL- SPPSGVG- - - - YPSEDEFLQDLYLIRDSLINHGDGNIAA- GE 432
Thermosynechococcus vulcanus (UniProt:P0A3X6) 400 R- - - - - QEPYRLKLAYVLKRLQNTRDRNRALQ- TYCIRR- NEAEELNNGQFYRHGEEFLAELLLIQRNLKETG- - - LAC- RE 470
Synechococcus elongatus (GI:81301061) 394 R- - - - - QEPYRLKLSYILERLHNTRDRNTRLQQQQEKDPTTPLPEYRDGTLYQAGTAFLEDLKLIQHNLKQTG- - - LSC- YE 466
Nitrosomonas europaea (GI:30248603) 339 - - - - - - DEPYRRVFLGIHARLIATSRHLGSSI- RGCCQE- NN- - AEP- - - - YADSAEFVHDLDIVIRSLRQHRSDRLAQ- GA 405
Ralstonia eutropha (GI:113868876) 405 - - - - - - DEPYRRALIGIYARLAATSKALTGHA- VPRRPV- AP- - AEP- - - - YDSAEAFAADVQVVVDSLRANHGQALAN- GR 471
Methylosinus thrichosporium OB3b (METTOv1 130002, ppc2) 322 - - - - - - DEPYRRALIGVYSRLAATLEELTGQQ- AQRHAV- AP- - ANP- - - - YADARAFLADLEIIDDSLRCHHSEVIAS- QR 388
Quality
Consensus
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