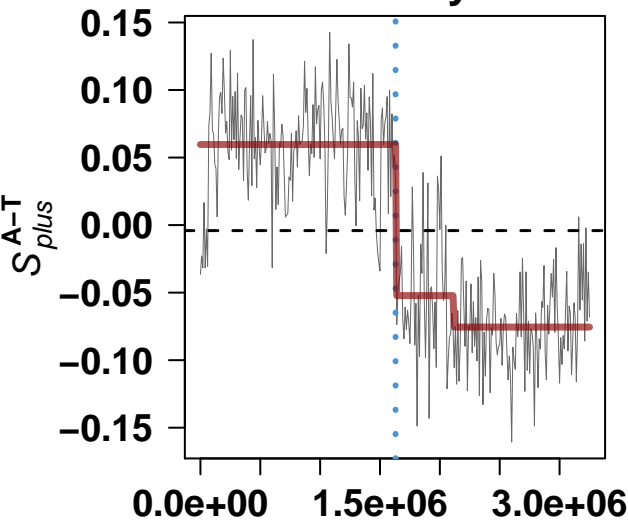
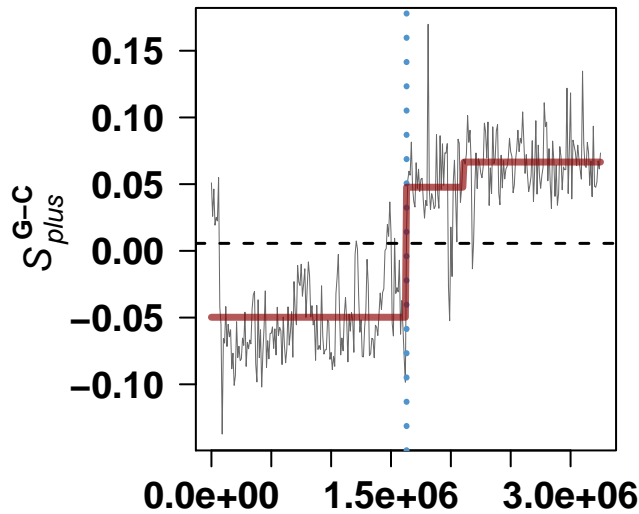


Diagrams (gray curve) and fitted linear models (red thick line) for mononucleotide skews ($S_{\text{plus}}^{\text{A-T}}$ and $S_{\text{plus}}^{\text{G-C}}$) along the plus (published) strand of all bacteria chromosomes in our collection. Each step-like breakpoint of the red thick line corresponds to a statistically significant structural change of the skew pattern. In cases where no significant structural changes are detected, the red line is omitted. The vertical dotted blue line indicates the origin of replication (*ori*). There are three distinct types of skew patterns; “sharp”: at least one step-like breakpoint is located close to the *ori*, “vague”: at least one step-like breakpoint is detected, but all breakpoints are far from the *ori*, and “flat”: no step-like breakpoints are detected. The horizontal dashed black line is drawn at the mean value of the skew.

Mycobacterium leprae TN

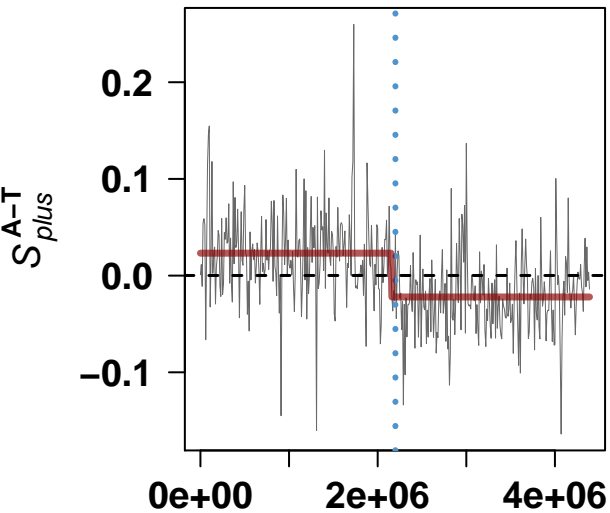


genome coordinates

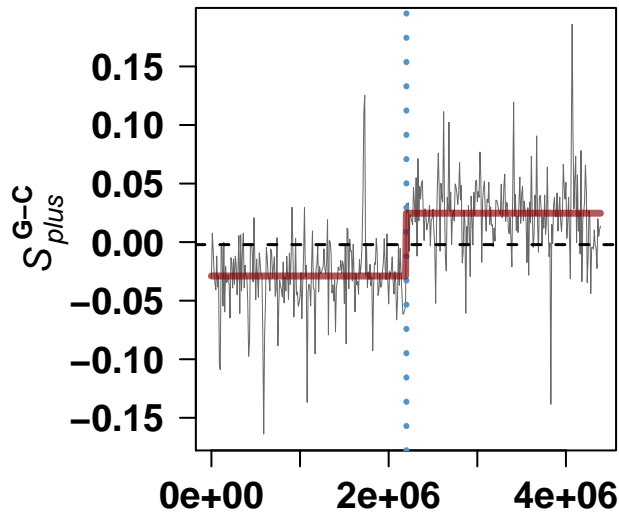


genome coordinates

Mycobacterium tuberculosis CDC1551

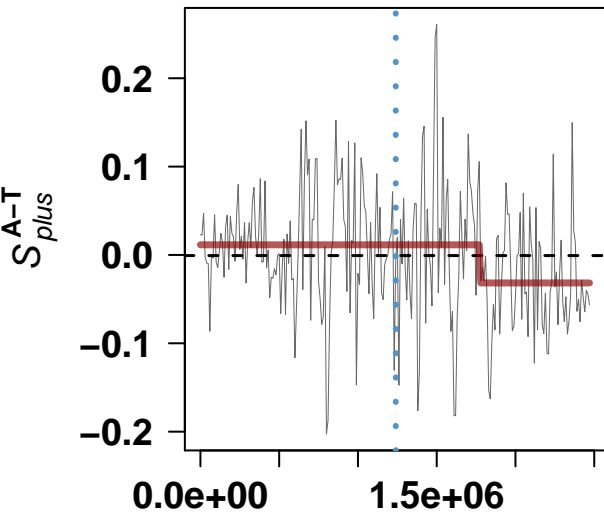


genome coordinates

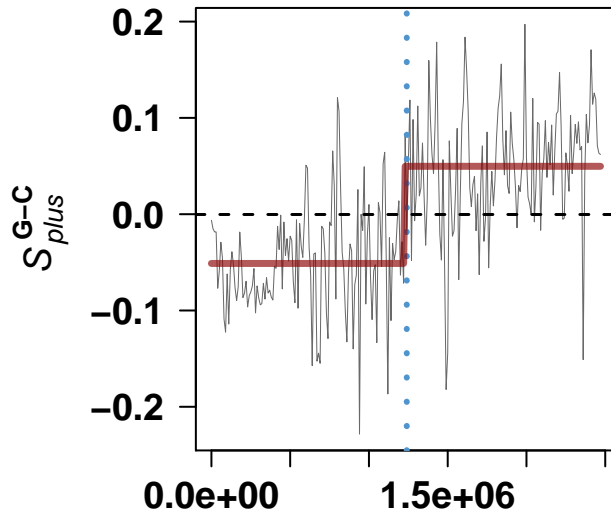


genome coordinates

Corynebacterium diphtheriae NCTC 13129

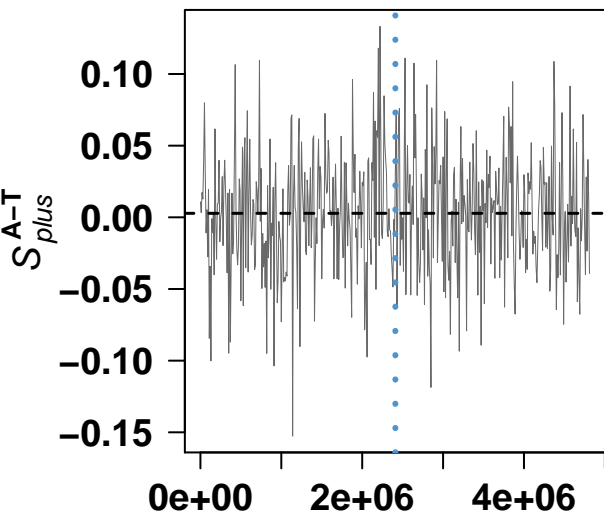


genome coordinates

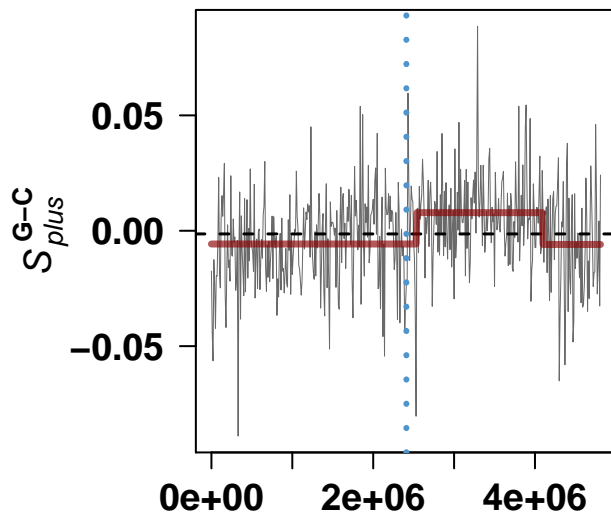


genome coordinates

Mycobacterium avium subsp. paratuberculosis K-10

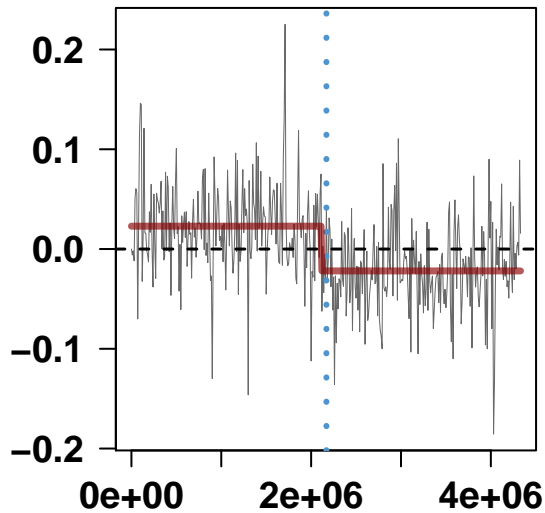


genome coordinates

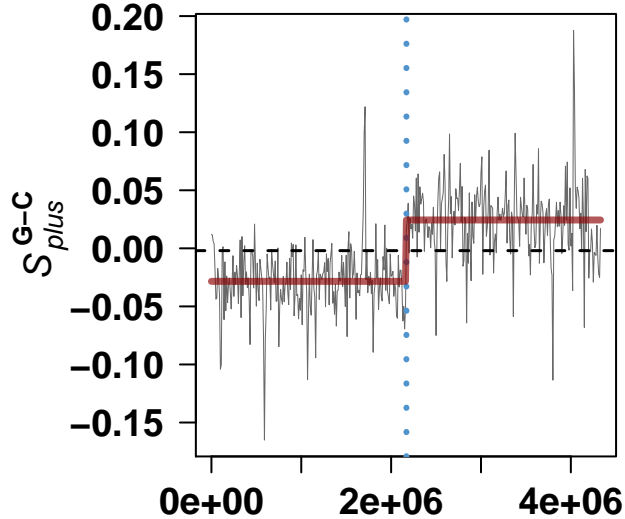


genome coordinates

Mycobacterium bovis AF2122/97

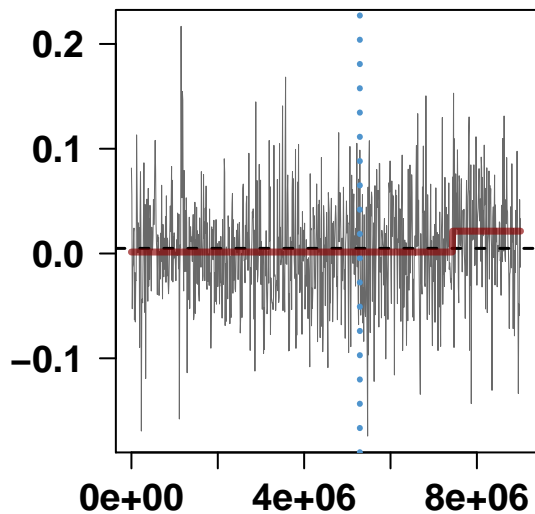


genome coordinates

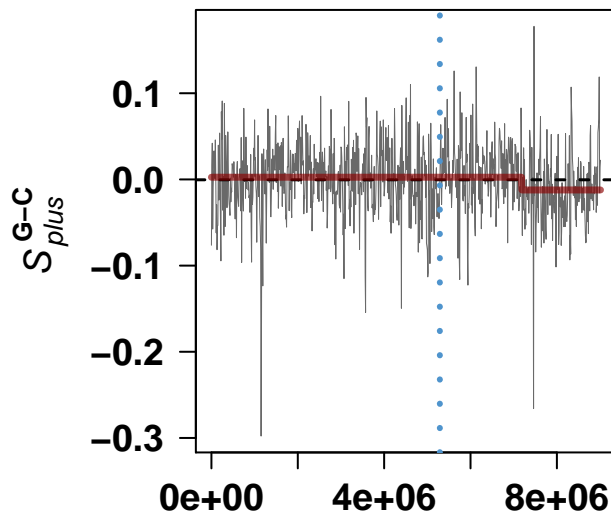


genome coordinates

Streptomyces avermitilis MA-4680 = NBRC 14893

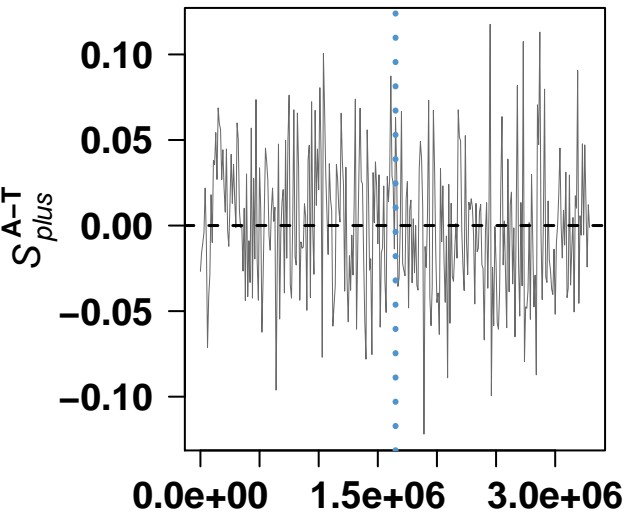


genome coordinates

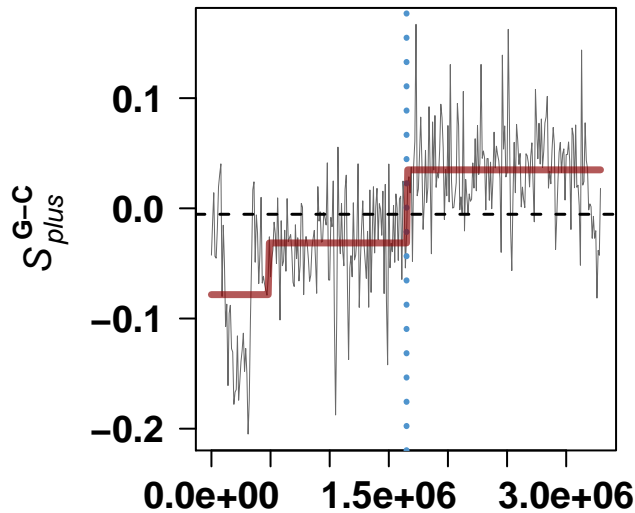


genome coordinates

Corynebacterium glutamicum ATCC 13032

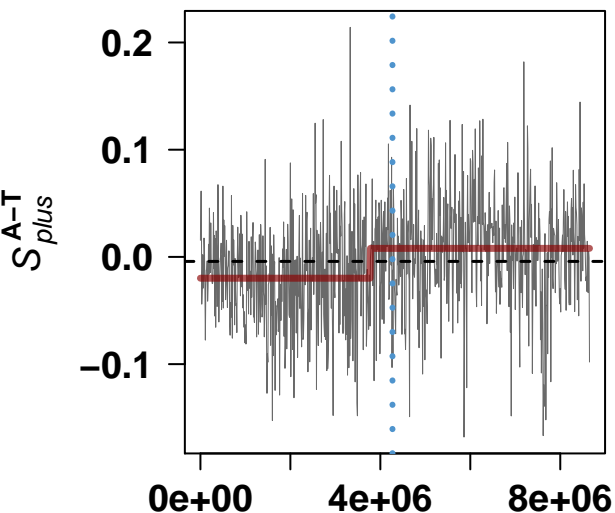


genome coordinates

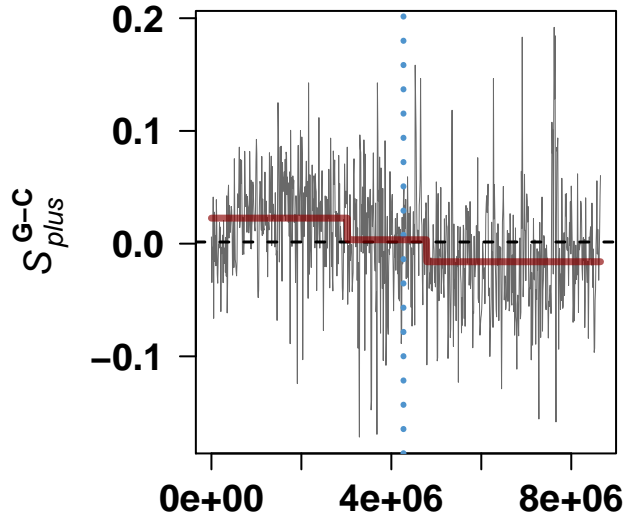


genome coordinates

Streptomyces coelicolor A3(2)

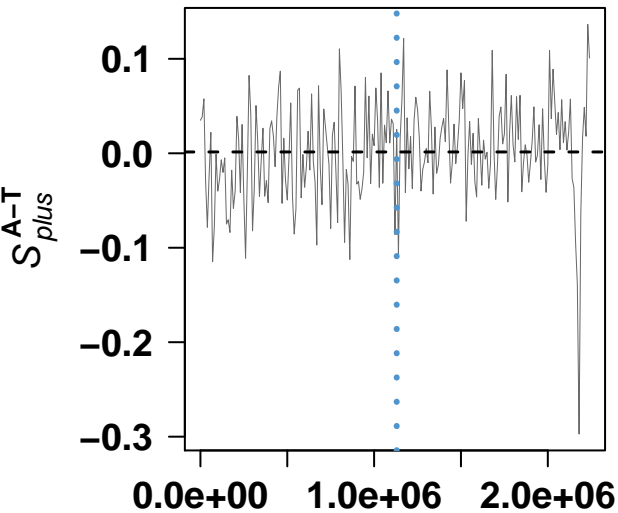


genome coordinates

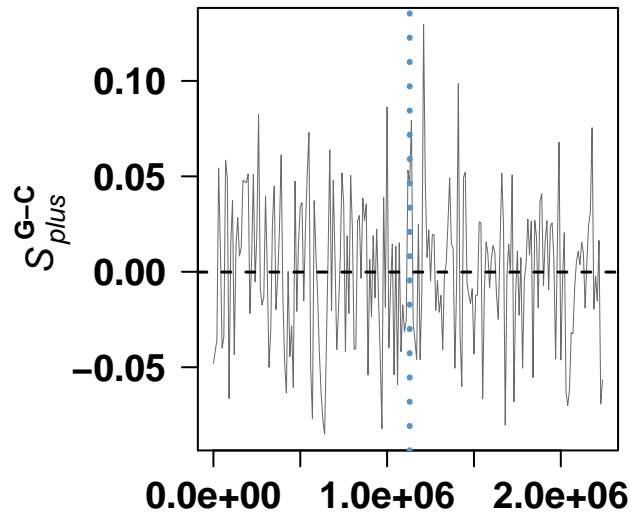


genome coordinates

Bifidobacterium longum NCC2705

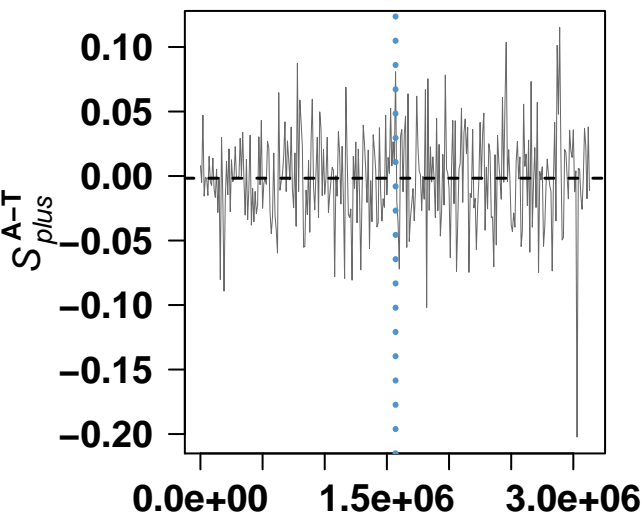


genome coordinates

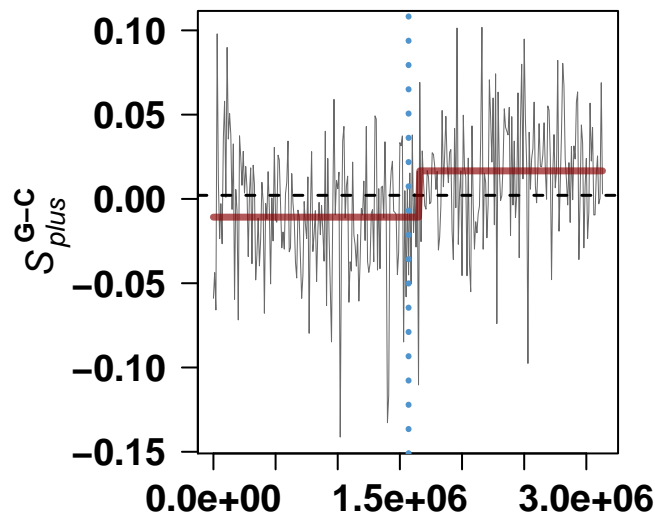


genome coordinates

Corynebacterium efficiens YS-314

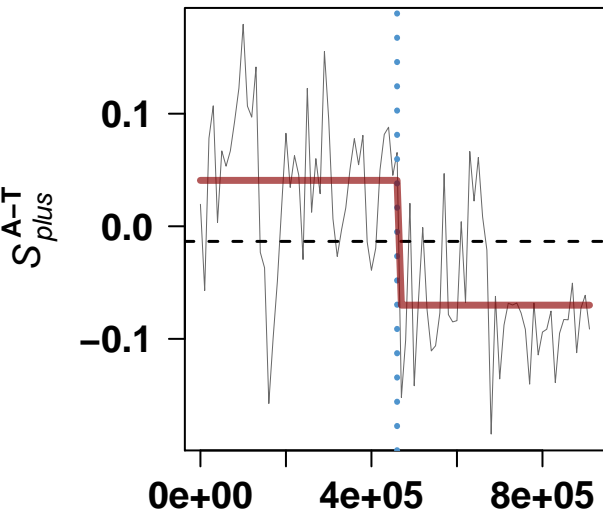


genome coordinates

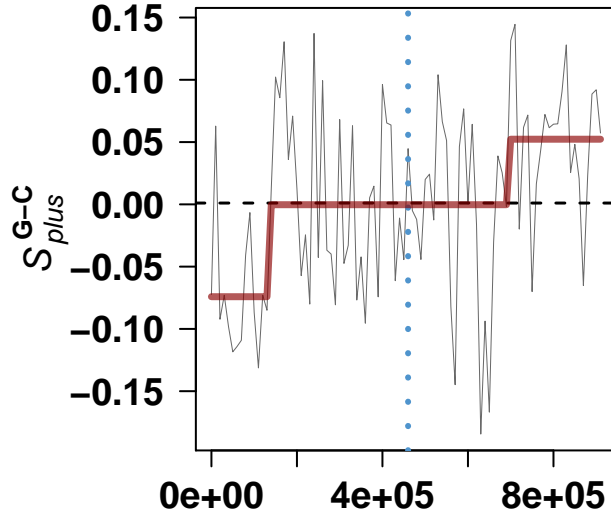


genome coordinates

Tropheryma whipplei TW08/27

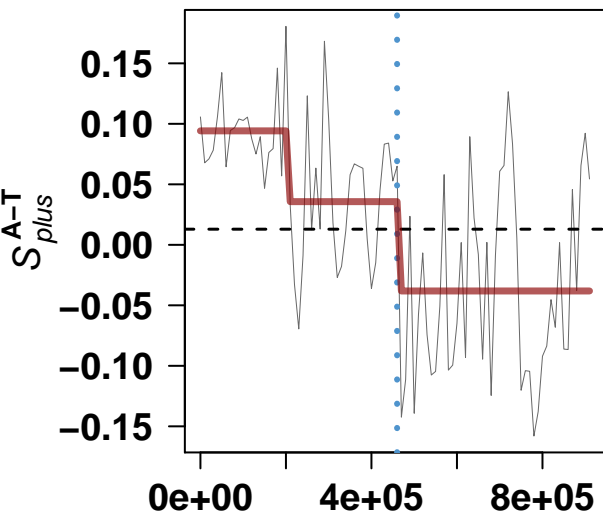


genome coordinates

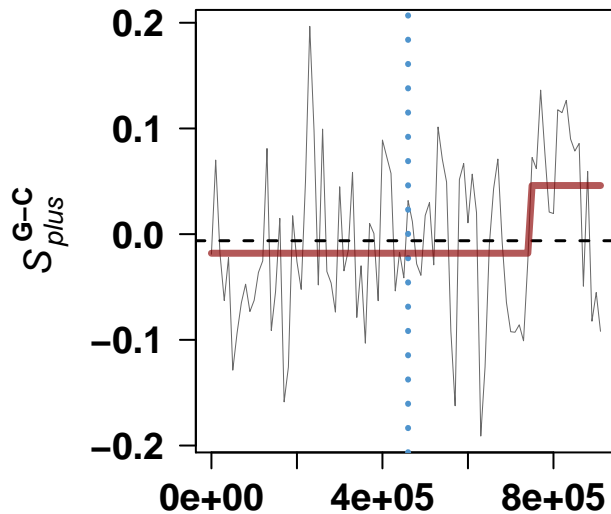


genome coordinates

Tropheryma whipplei str. Twist

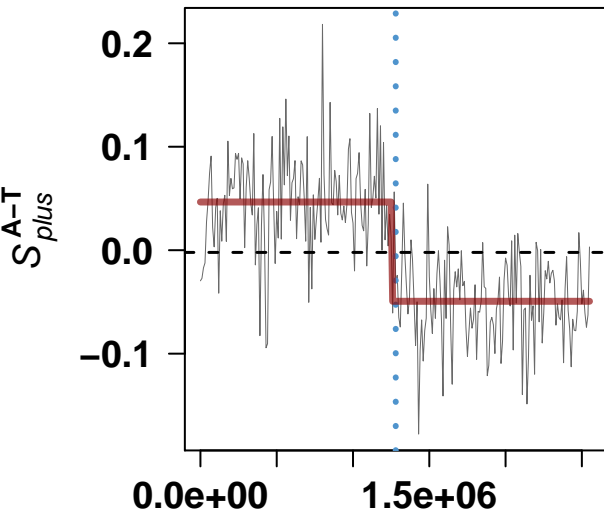


genome coordinates

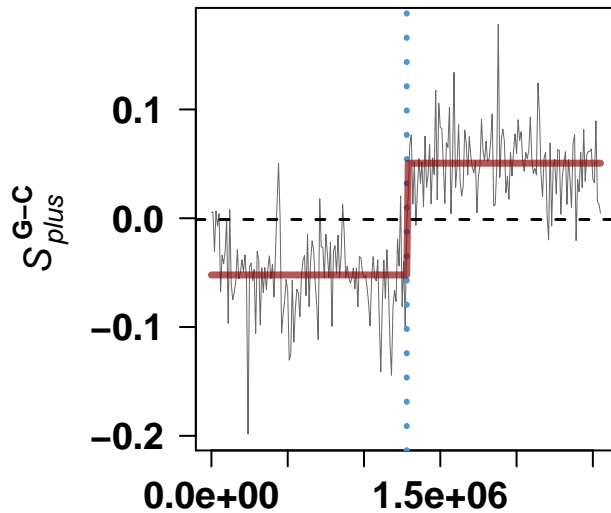


genome coordinates

Propionibacterium acnes KPA171202

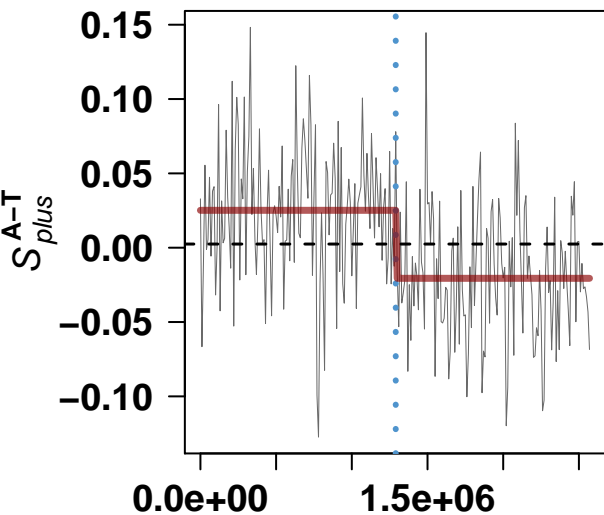


genome coordinates

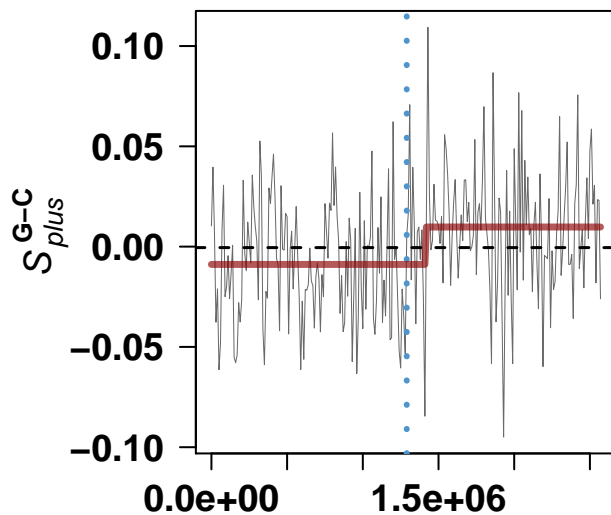


genome coordinates

Leifsonia xyli subsp. xyli str. CTCB07

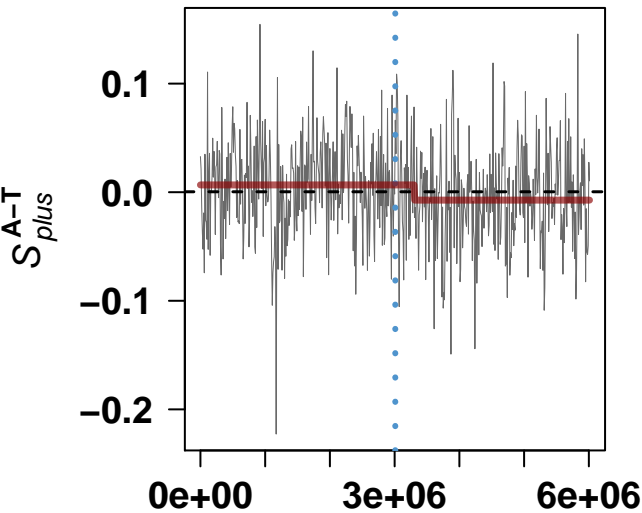


genome coordinates

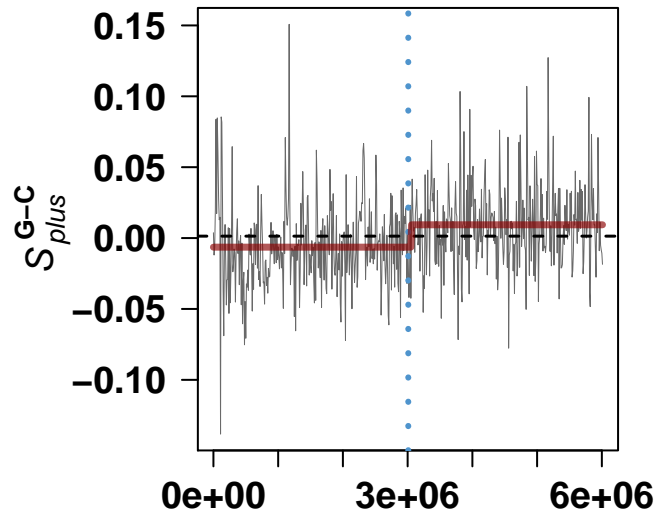


genome coordinates

Nocardia farcinica IFM 10152

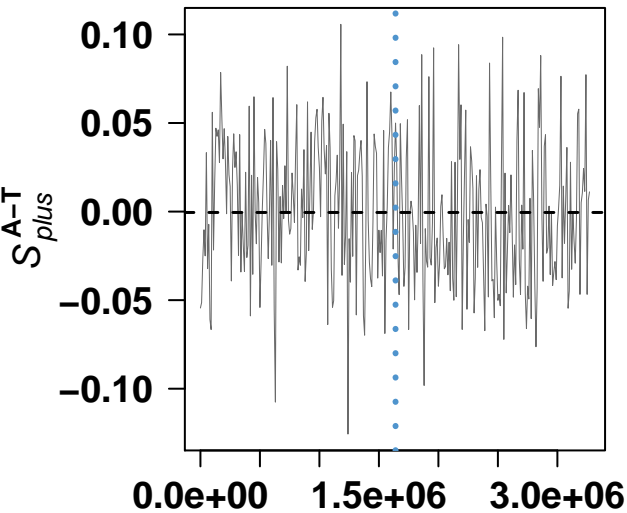


genome coordinates

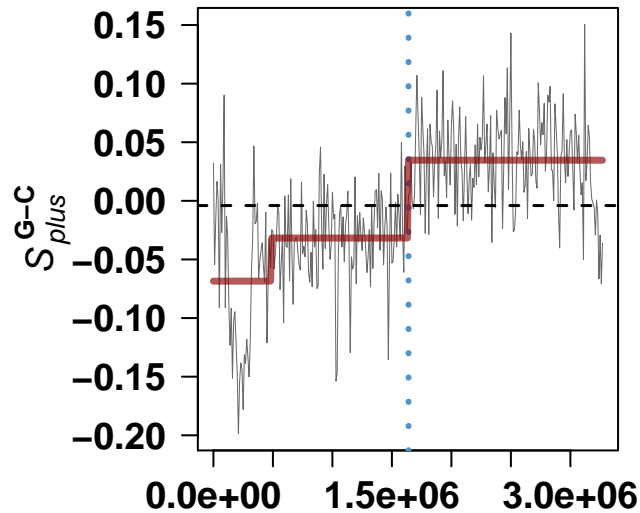


genome coordinates

Corynebacterium glutamicum ATCC 13032

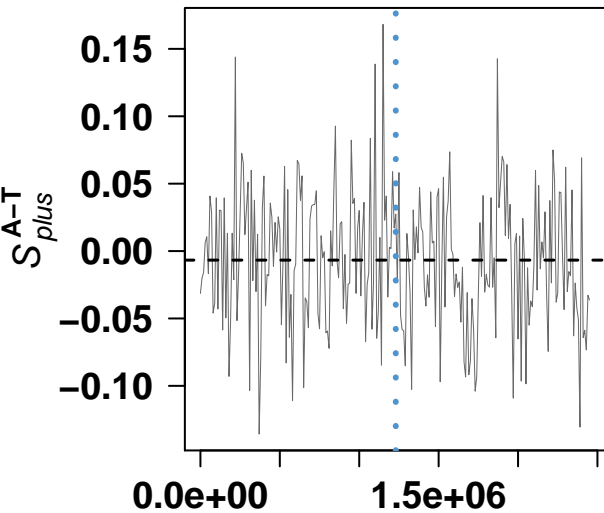


genome coordinates

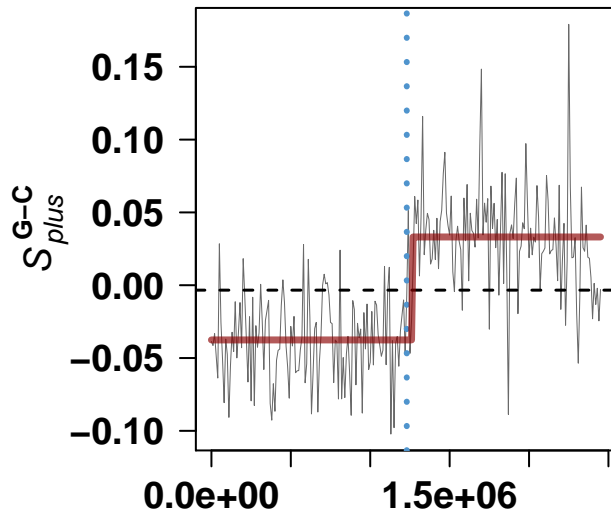


genome coordinates

Corynebacterium jeikeium K411

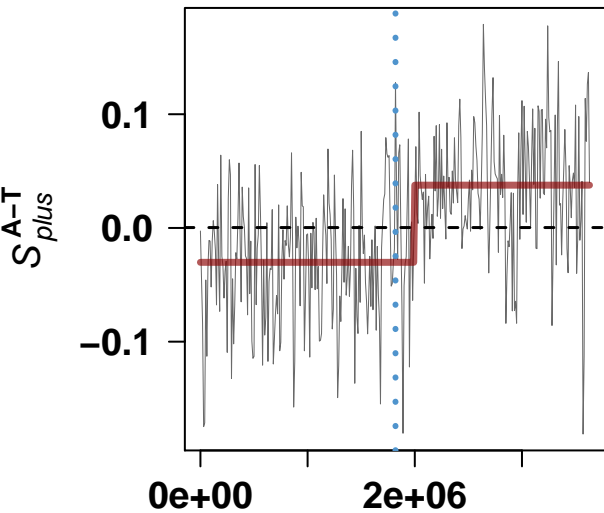


genome coordinates

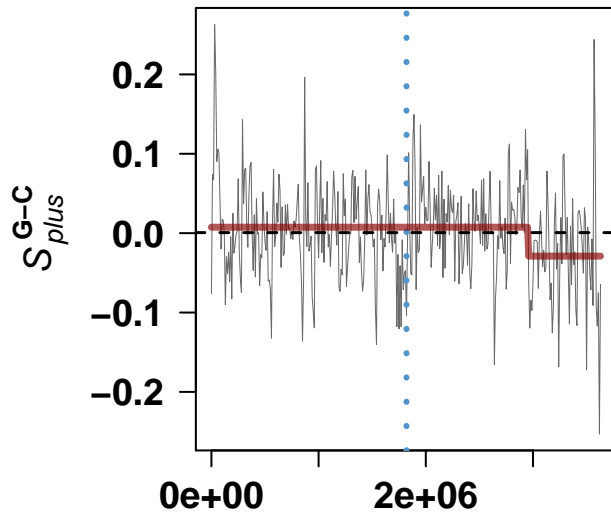


genome coordinates

Thermobifida fusca YX

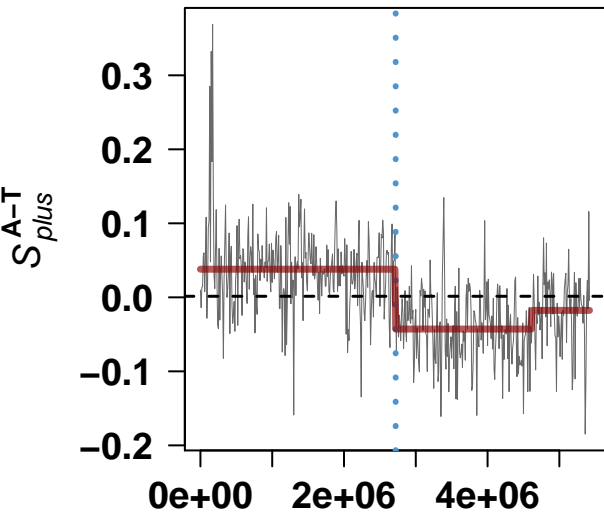


genome coordinates

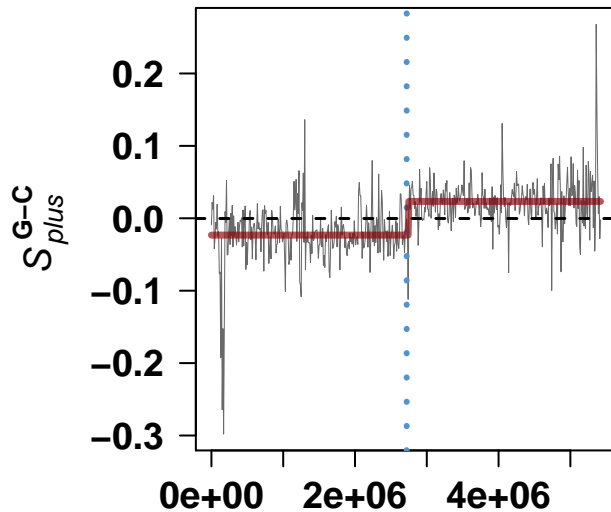


genome coordinates

Frankia sp. Ccl3

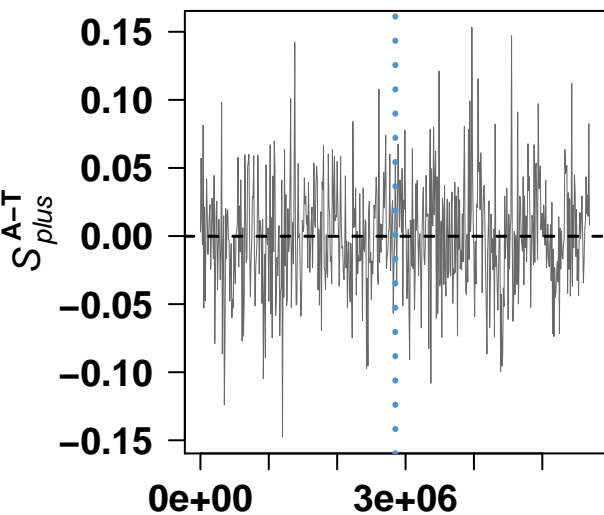


genome coordinates

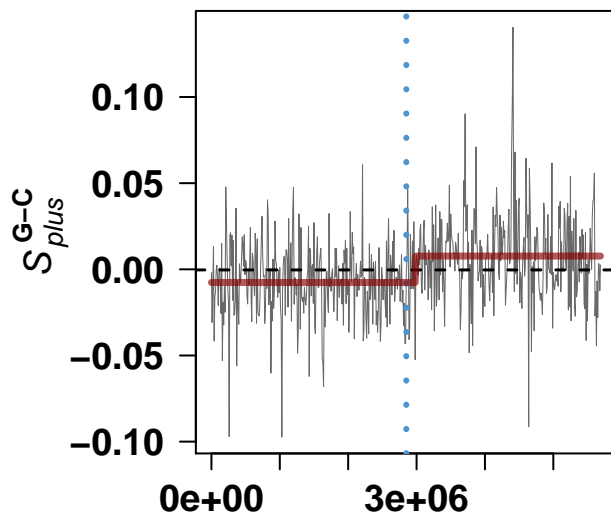


genome coordinates

Mycobacterium sp. MCS

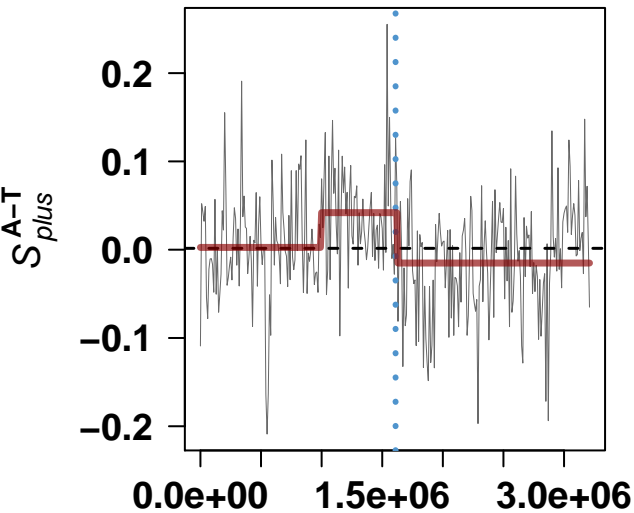


genome coordinates

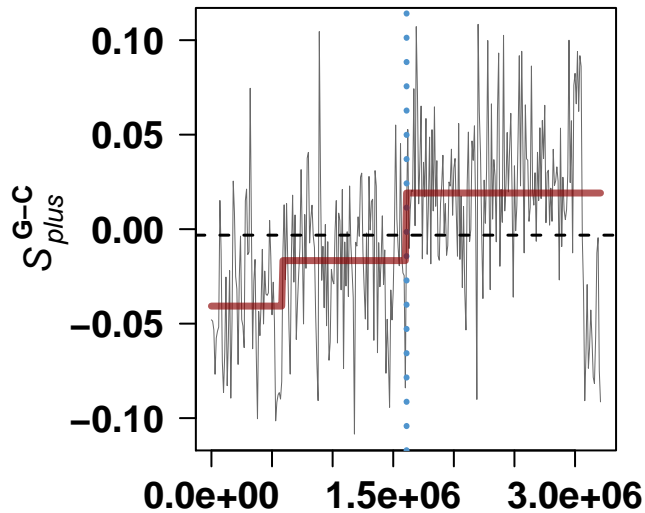


genome coordinates

Rubrobacter xylanophilus DSM 9941

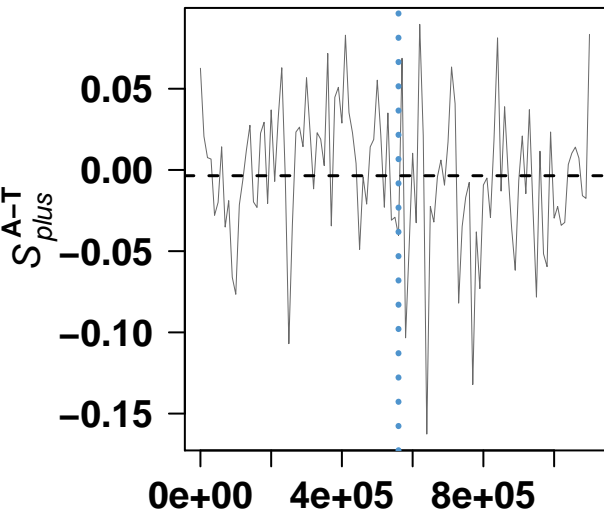


genome coordinates

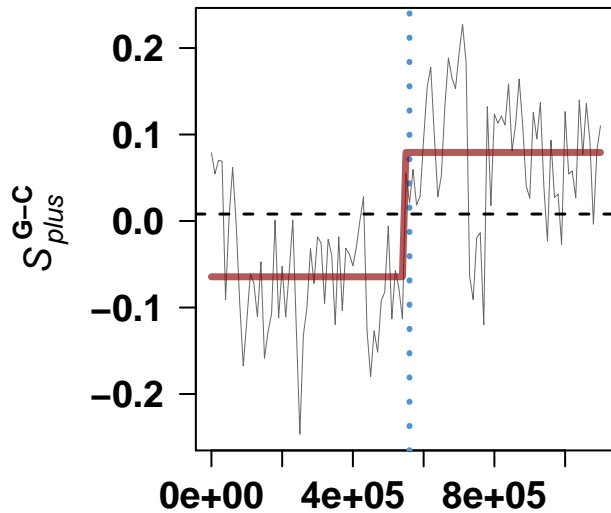


genome coordinates

Rickettsia prowazekii str. Madrid E

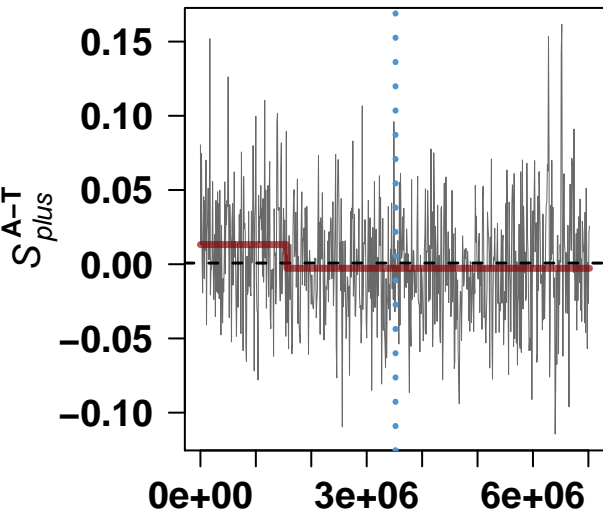


genome coordinates

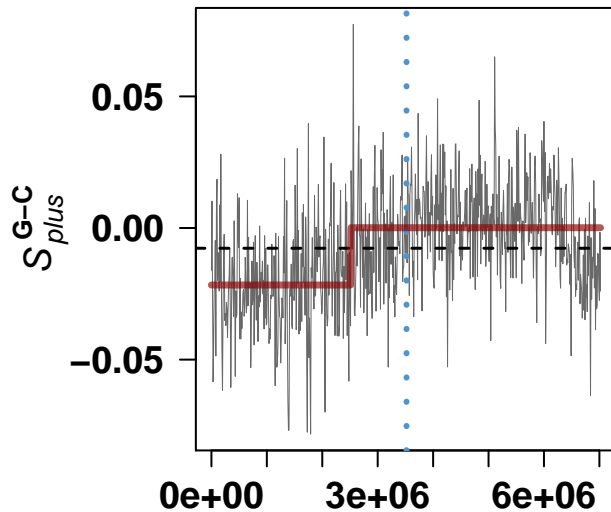


genome coordinates

Mesorhizobium loti MAFF303099

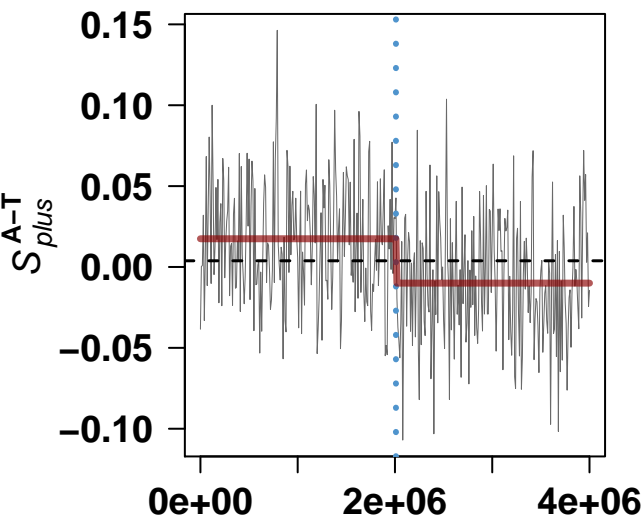


genome coordinates

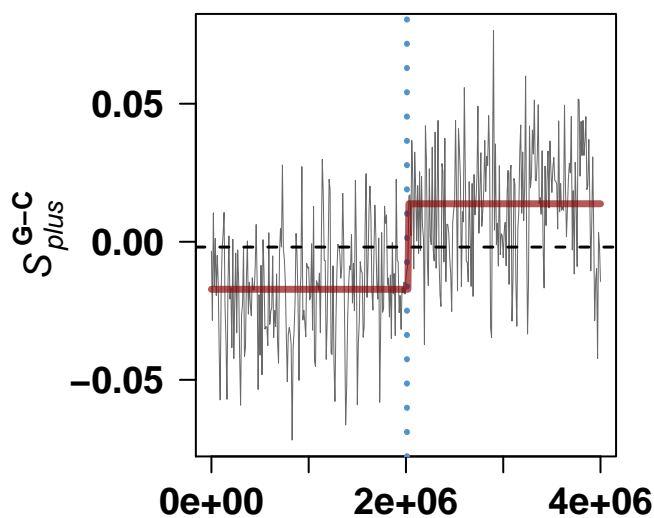


genome coordinates

Caulobacter crescentus CB15

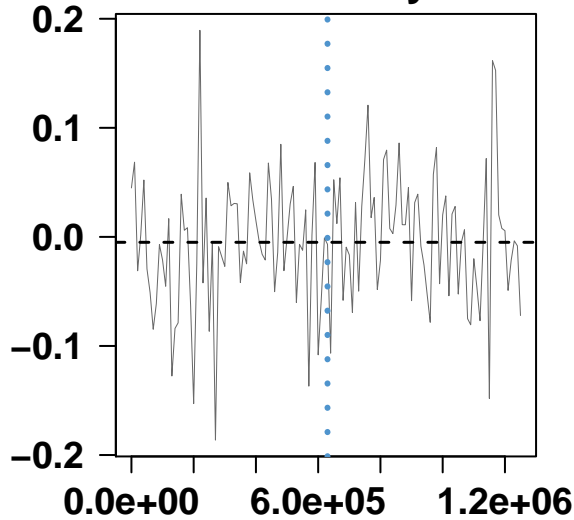


genome coordinates

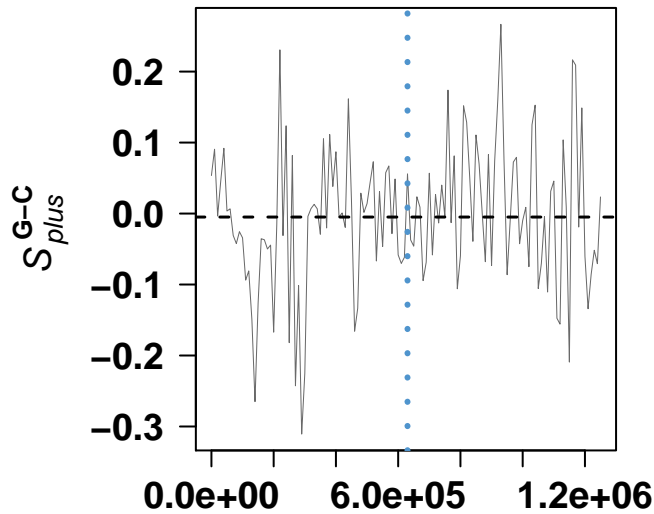


genome coordinates

Wolbachia endosymbiont of *Drosophila melanogaster*

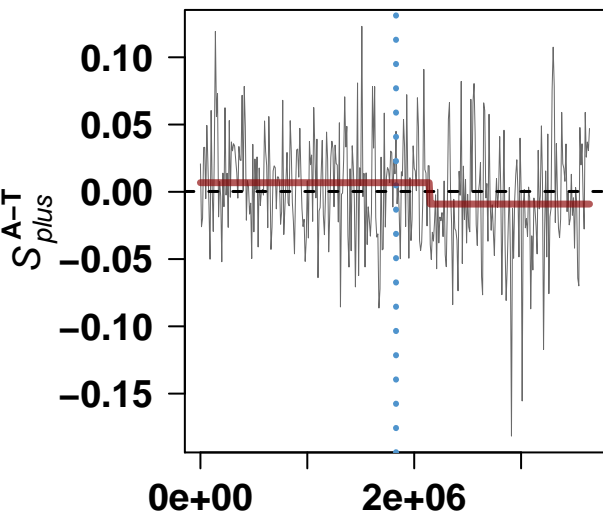


genome coordinates

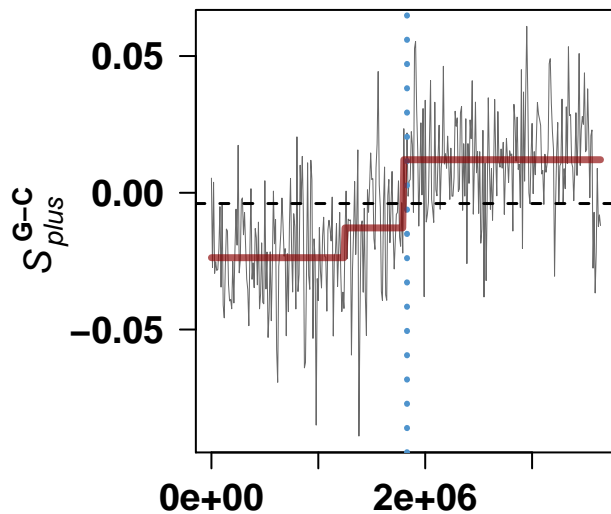


genome coordinates

Sinorhizobium meliloti 1021

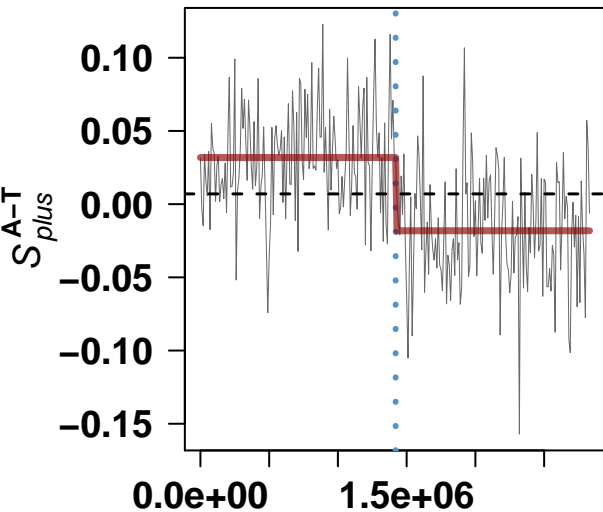


genome coordinates

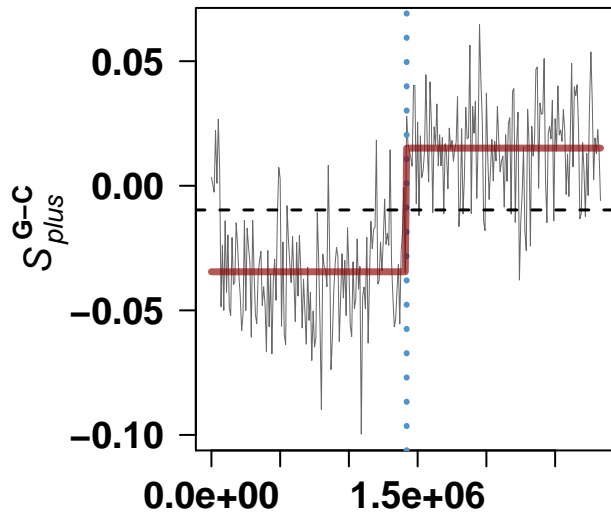


genome coordinates

Agrobacterium fabrum str. C58

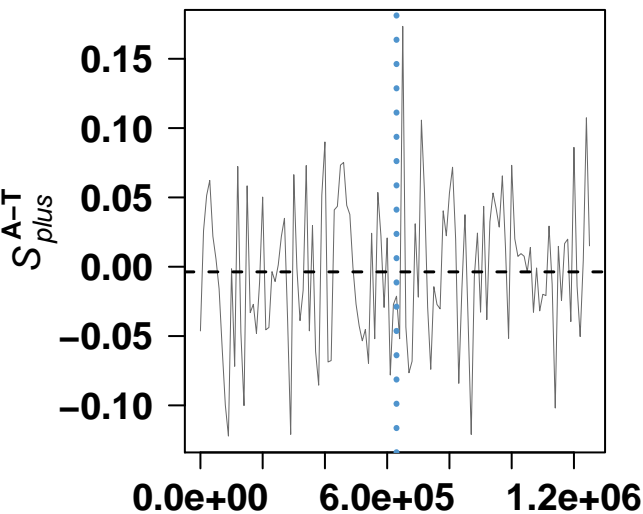


genome coordinates

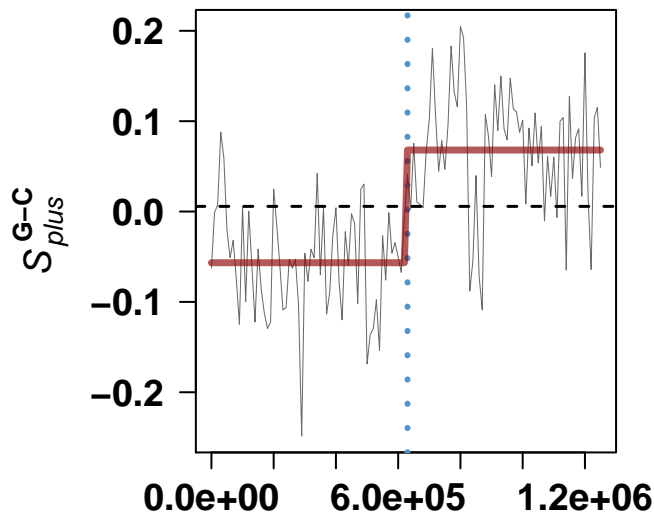


genome coordinates

Rickettsia conorii str. Malish 7

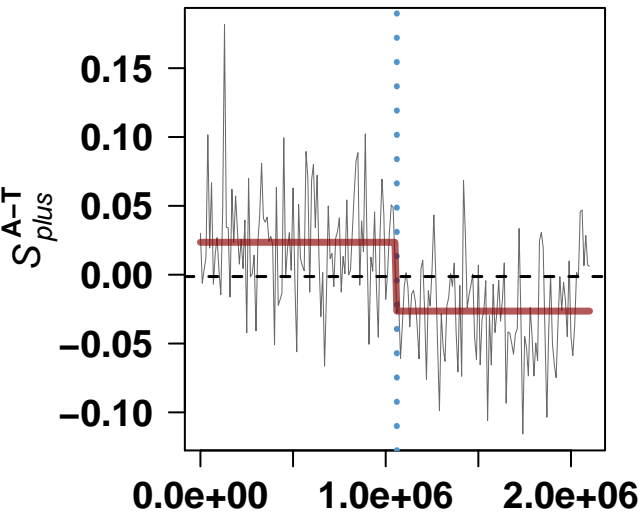


genome coordinates

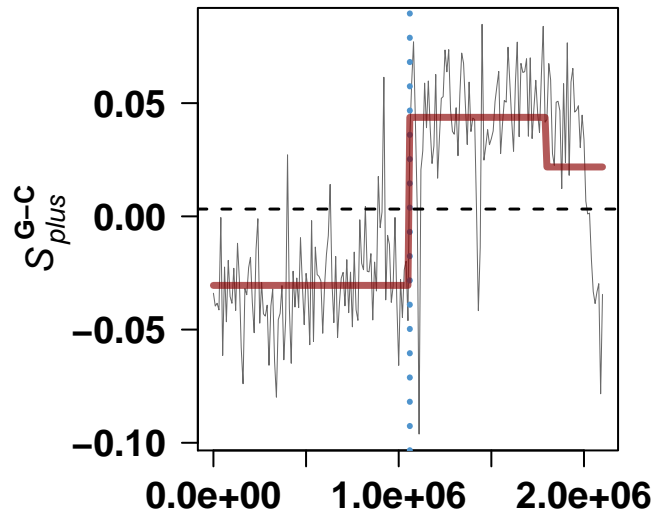


genome coordinates

Brucella melitensis bv. 1 str. 16M

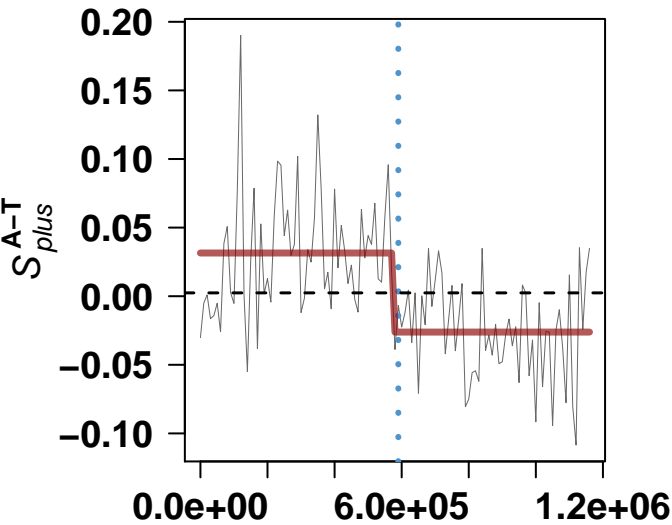


genome coordinates

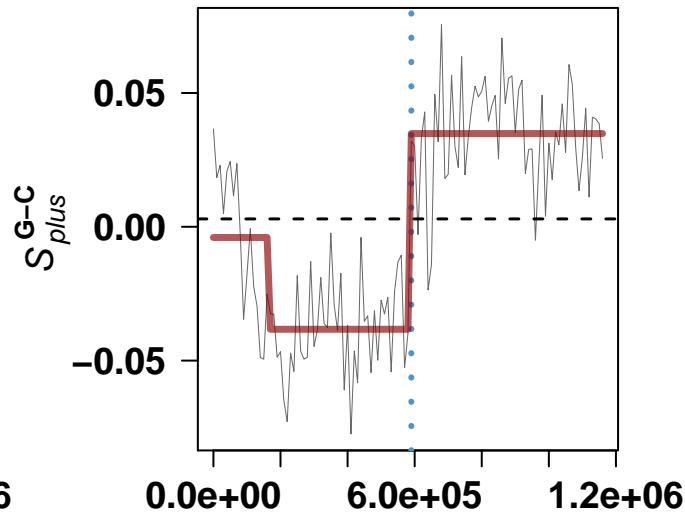


genome coordinates

Brucella melitensis bv. 1 str. 16M

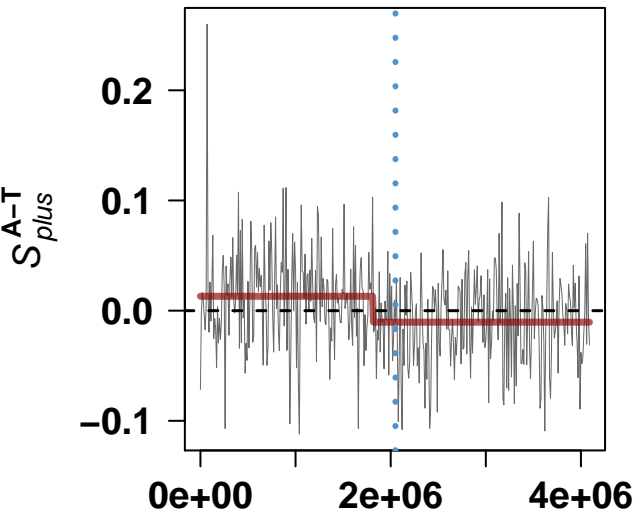


genome coordinates

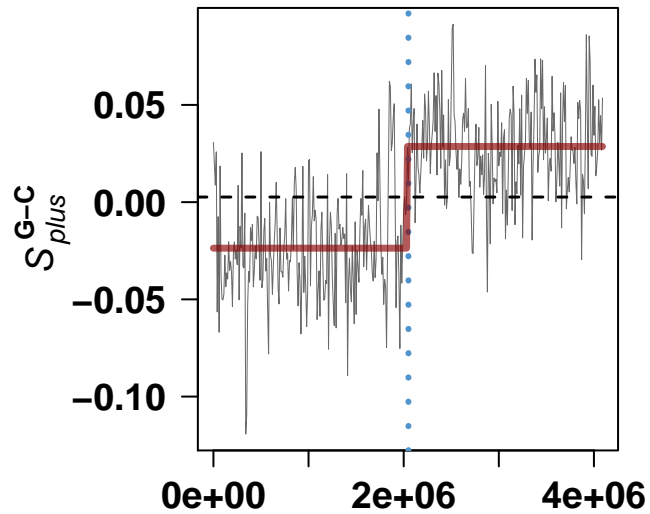


genome coordinates

Ruegeria pomeroyi DSS-3

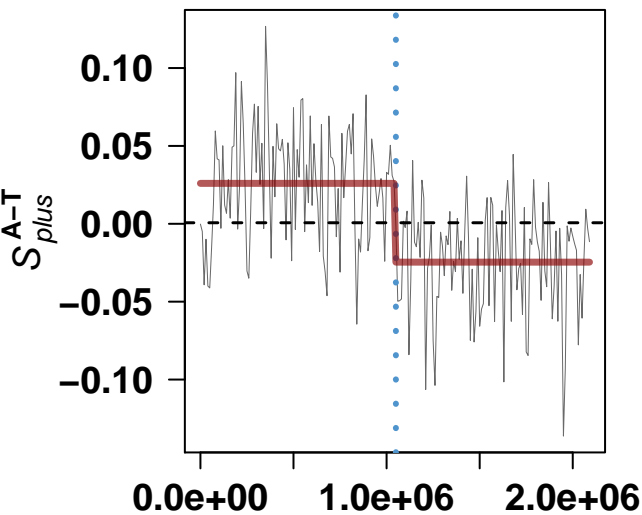


genome coordinates

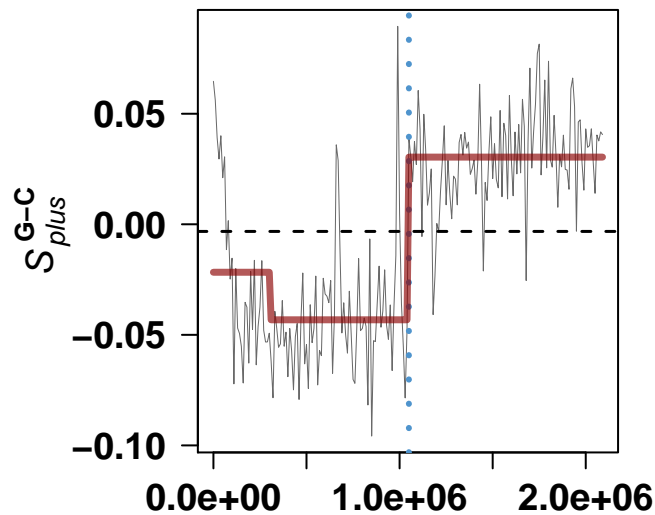


genome coordinates

Brucella suis 1330

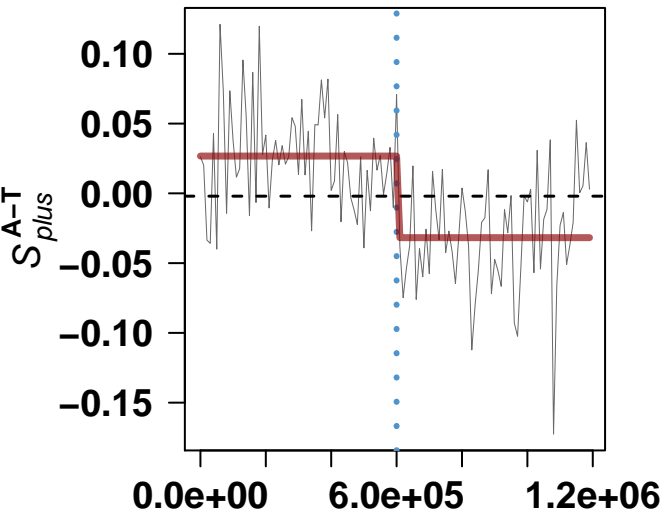


genome coordinates

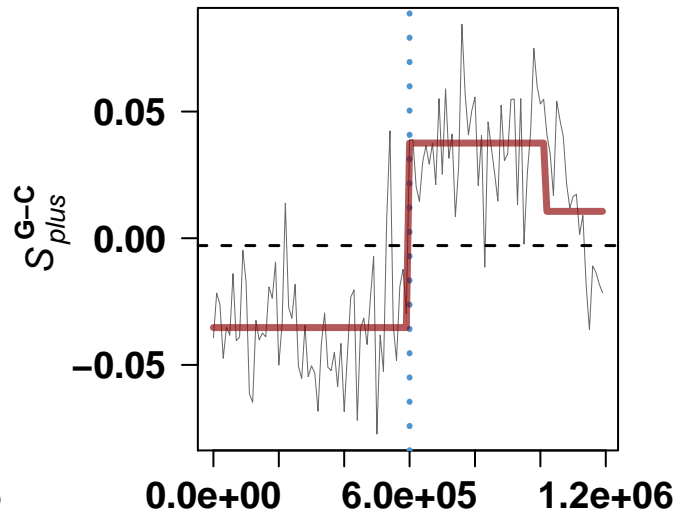


genome coordinates

Brucella suis 1330

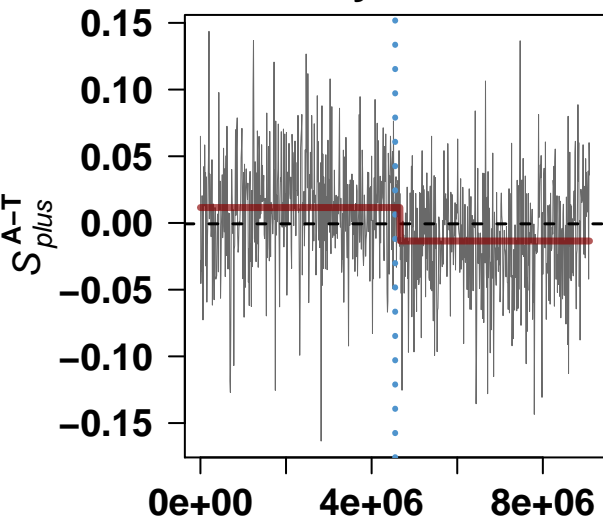


genome coordinates

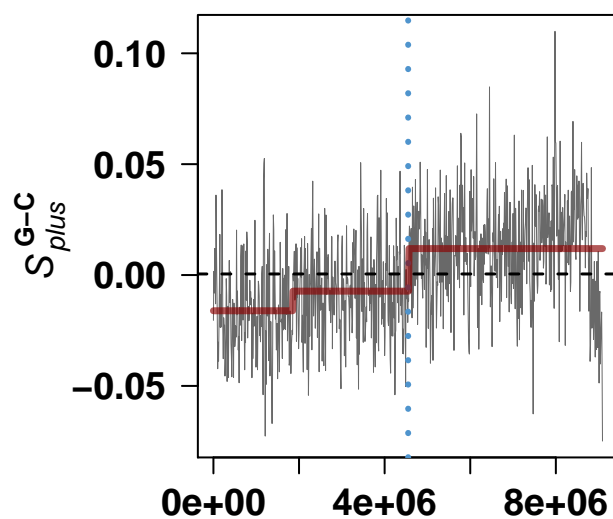


genome coordinates

Bradyrhizobium diazoefficiens USDA 110

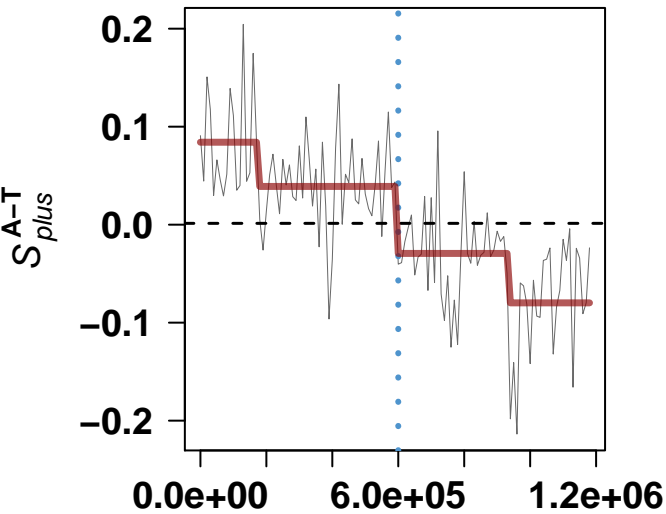


genome coordinates

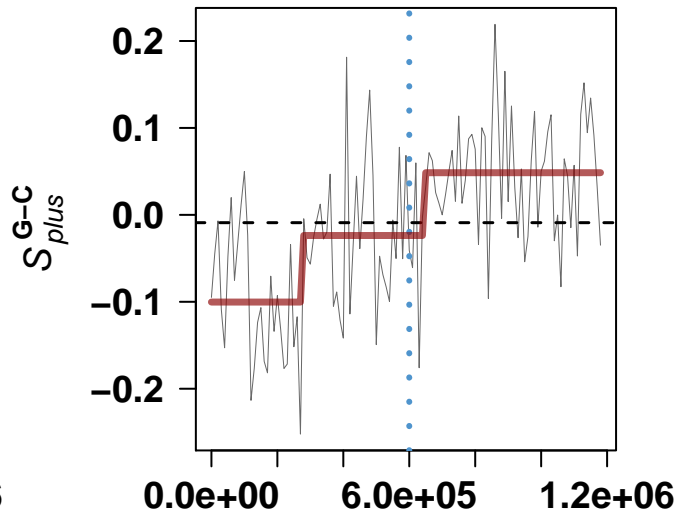


genome coordinates

Anaplasma marginale str. St. Maries

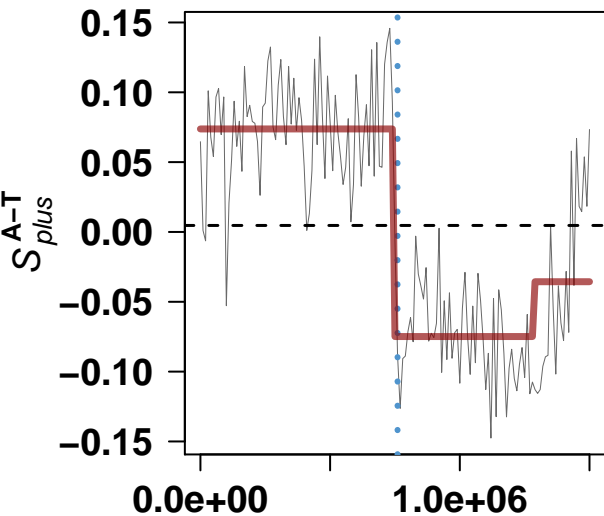


genome coordinates

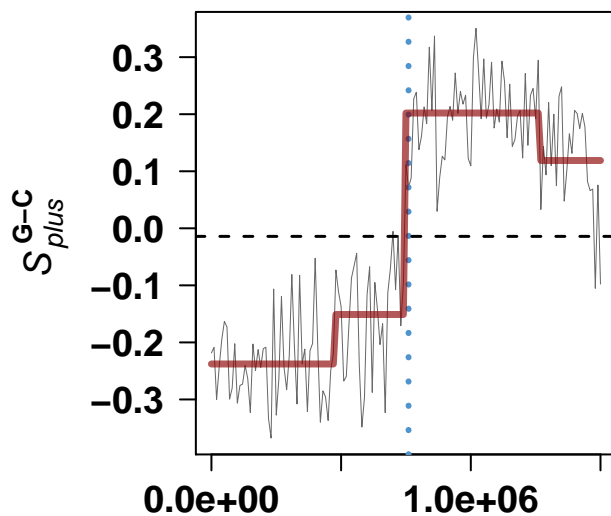


genome coordinates

Ehrlichia ruminantium str. Welgevonden

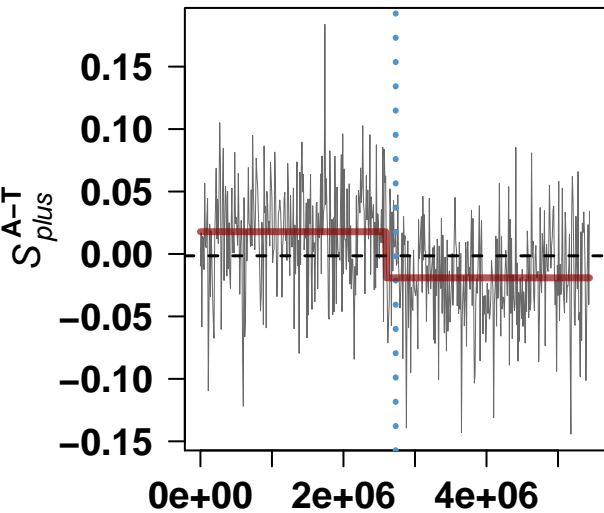


genome coordinates

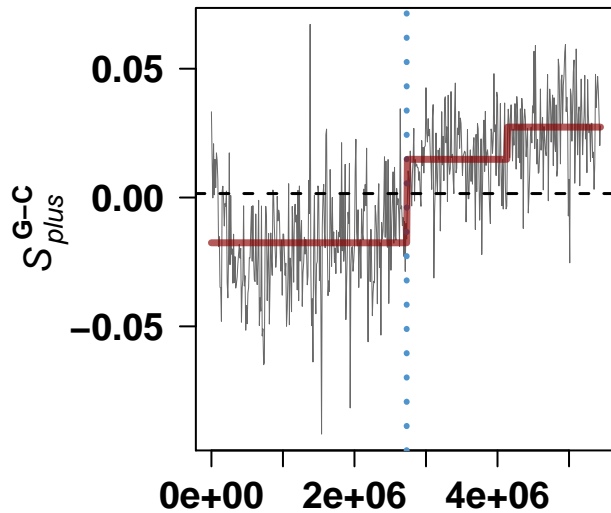


genome coordinates

Rhodopseudomonas palustris CGA009

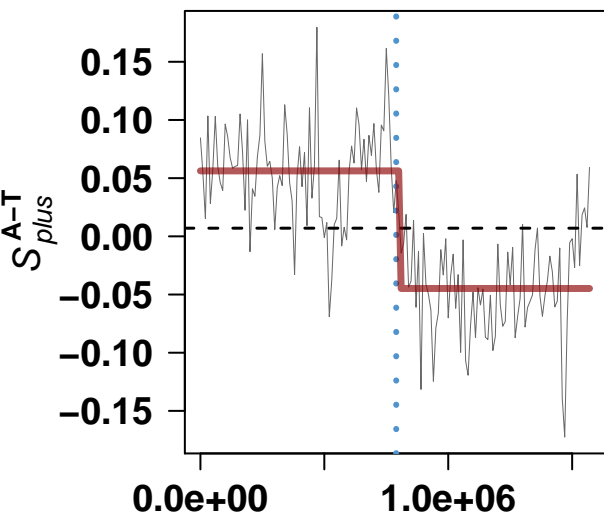


genome coordinates

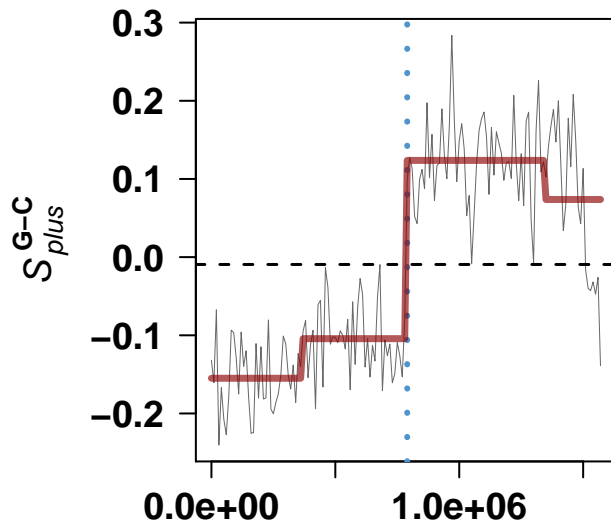


genome coordinates

Bartonella quintana str. Toulouse

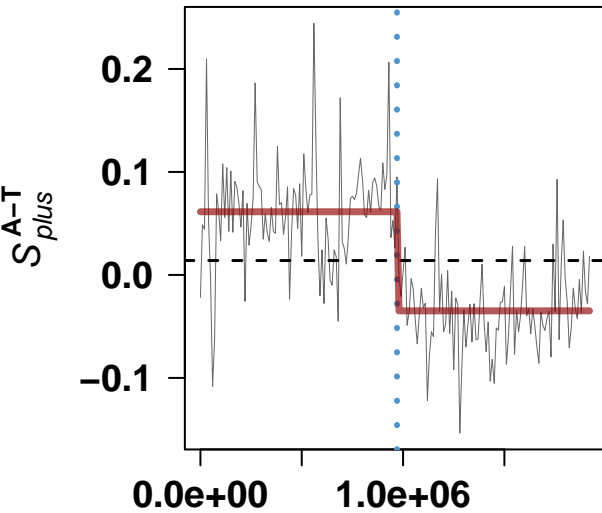


genome coordinates

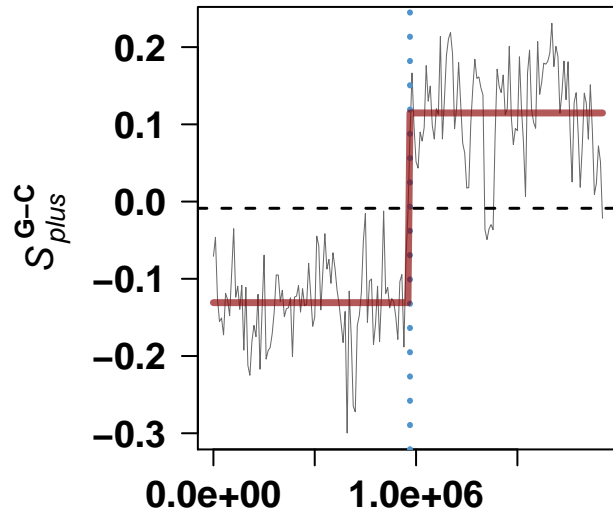


genome coordinates

***Bartonella henselae* str. Houston-1**

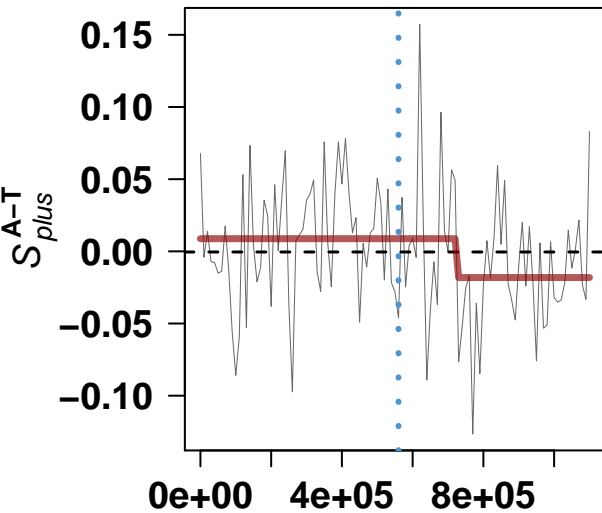


genome coordinates

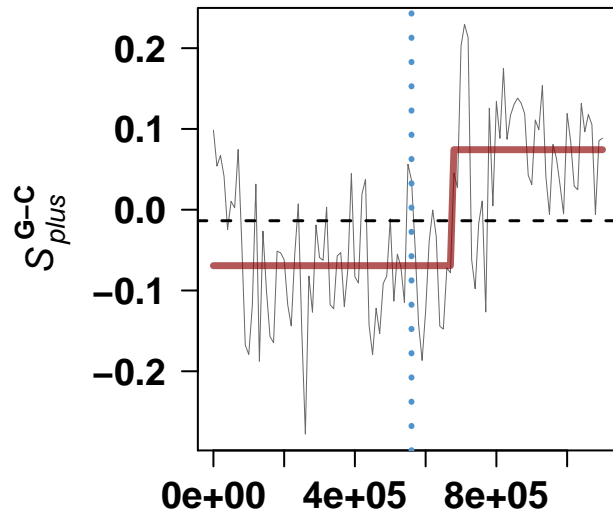


genome coordinates

***Rickettsia typhi* str. Wilmington**

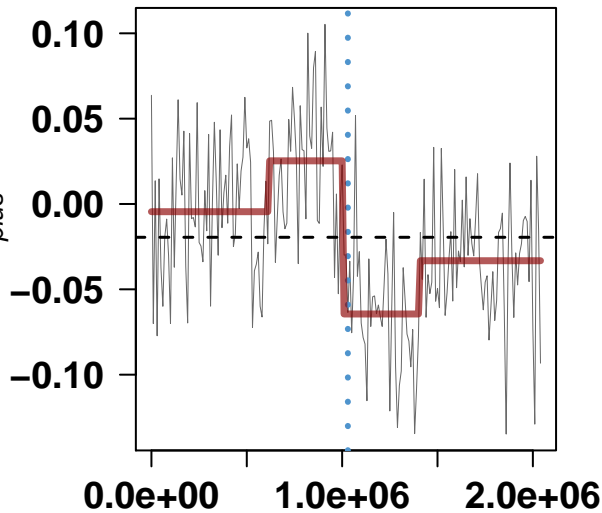


genome coordinates

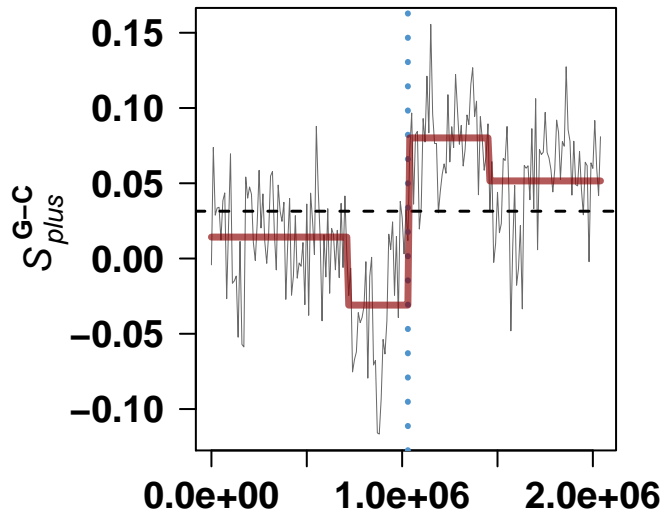


genome coordinates

Zymomonas mobilis subsp. mobilis ZM4 = ATCC 31821

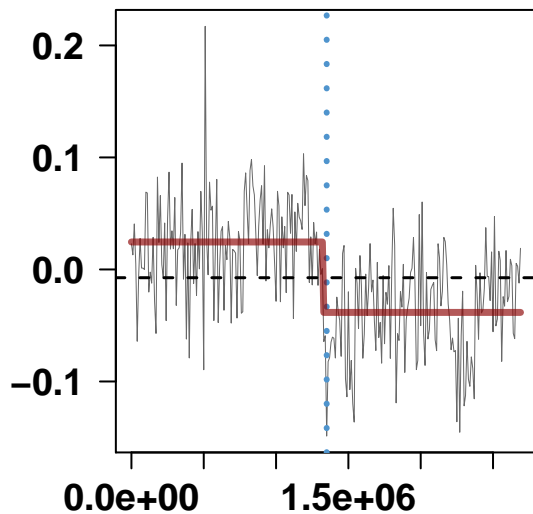


genome coordinates

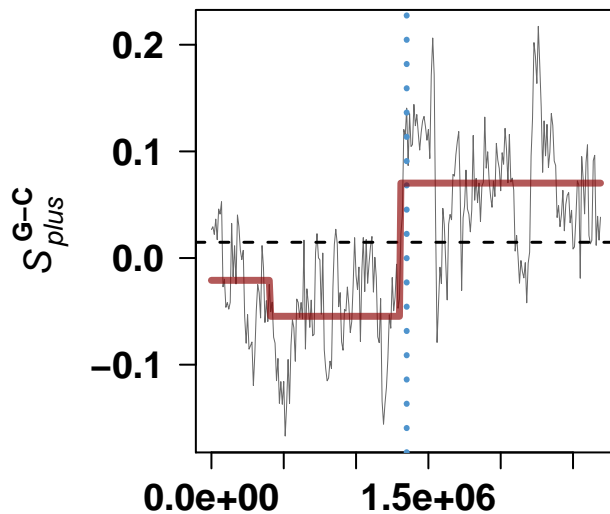


genome coordinates

Gluconobacter oxydans 621H

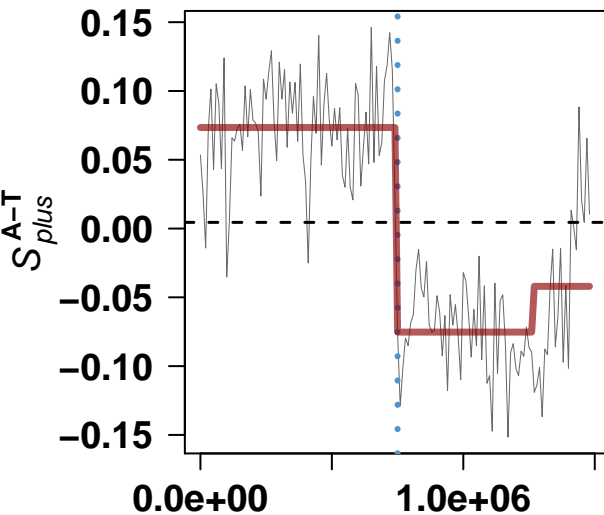


genome coordinates

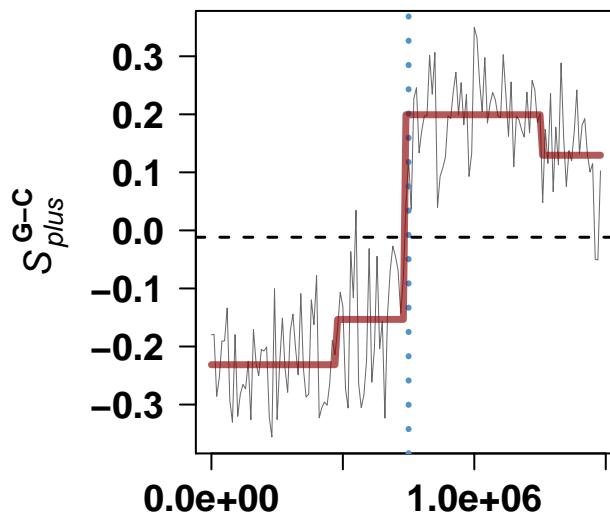


genome coordinates

Ehrlichia ruminantium str. Gardel

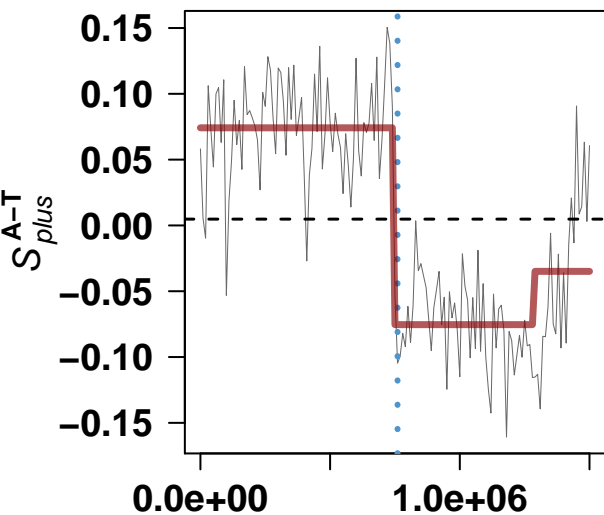


genome coordinates

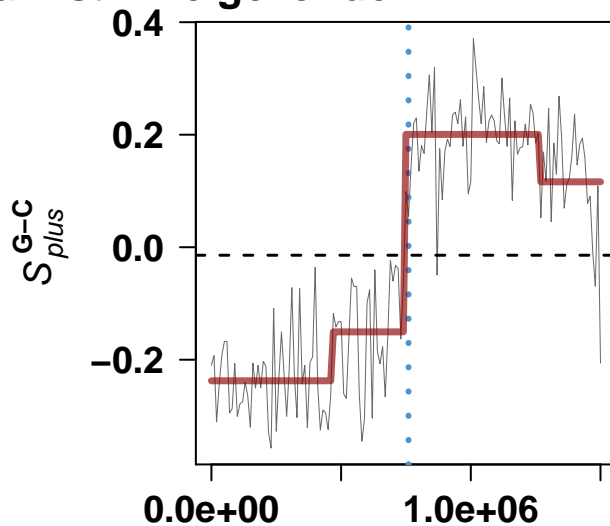


genome coordinates

Ehrlichia ruminantium str. Welgevonden

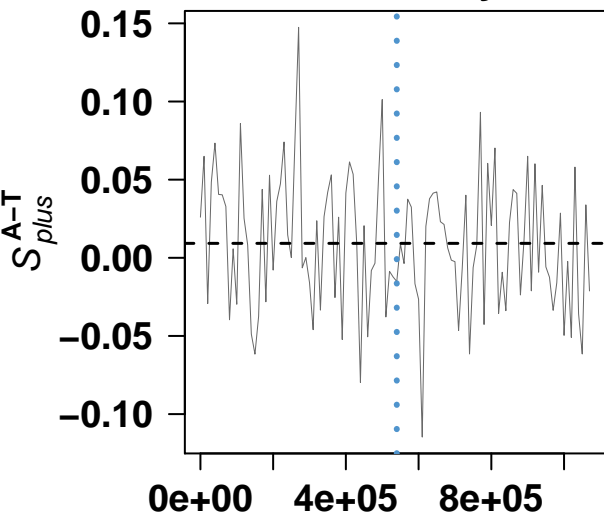


genome coordinates

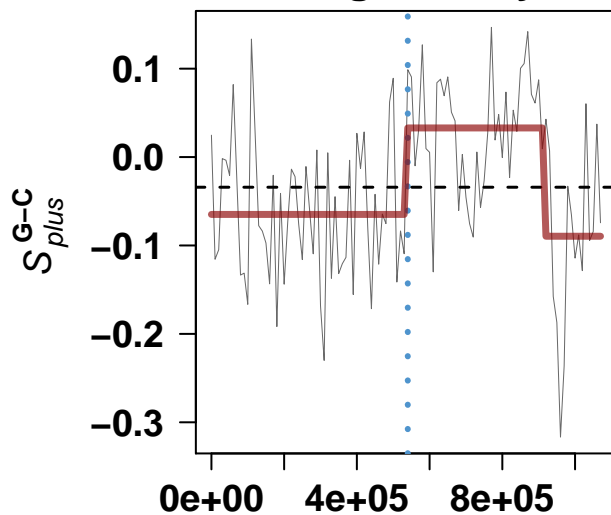


genome coordinates

Wolbachia endosymbiont strain TRS of *Brugia malayi*

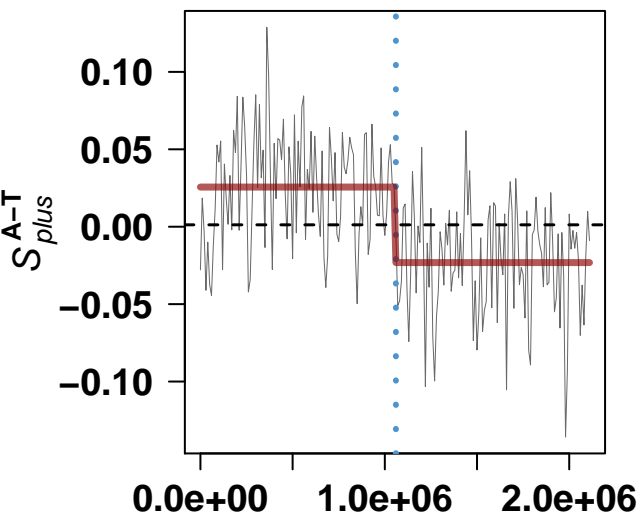


genome coordinates

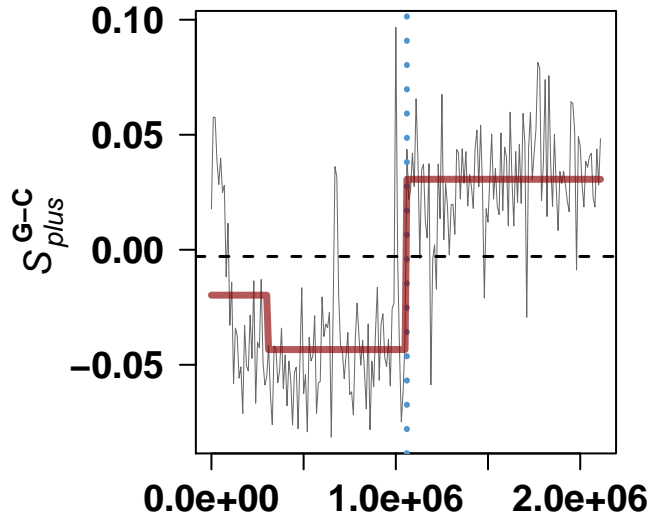


genome coordinates

Brucella abortus bv. 1 str. 9-941

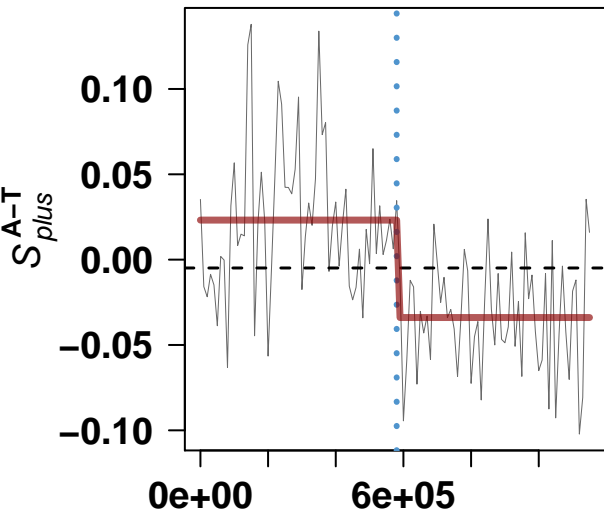


genome coordinates

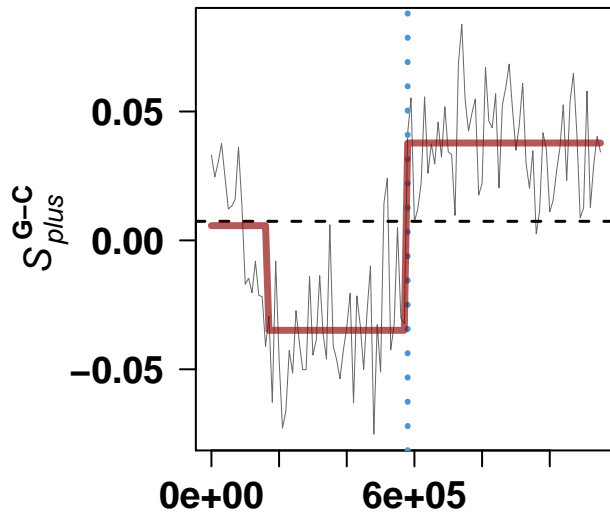


genome coordinates

Brucella abortus bv. 1 str. 9-941

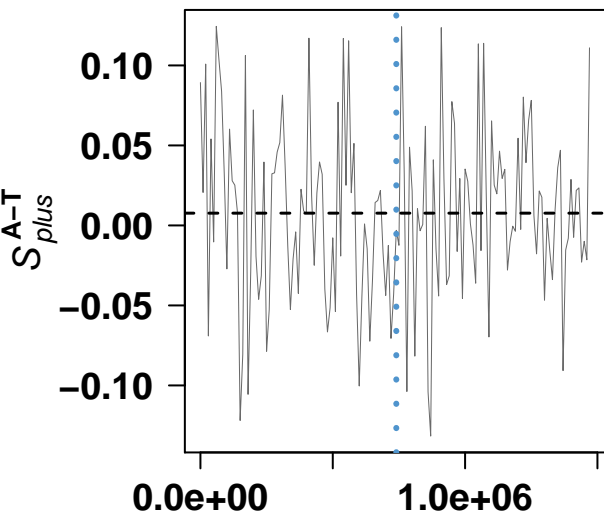


genome coordinates

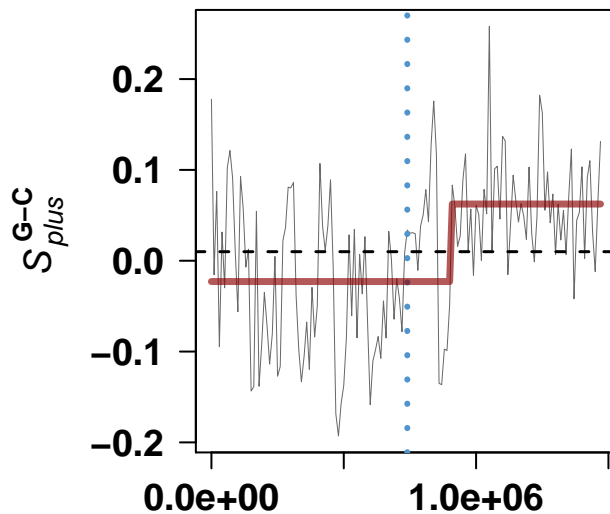


genome coordinates

Rickettsia felis URRWXCAl2

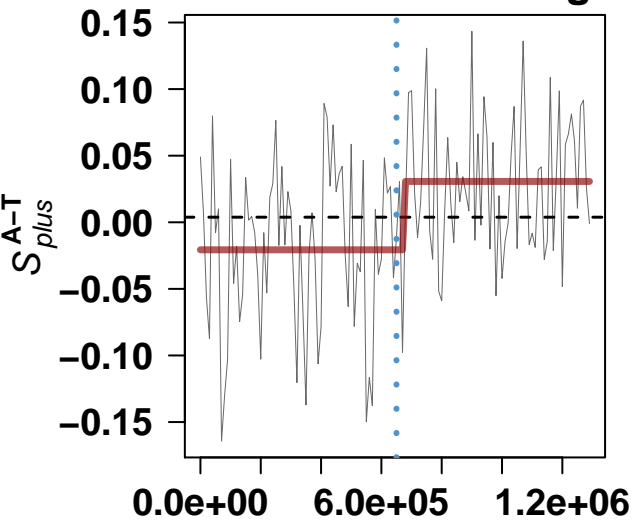


genome coordinates

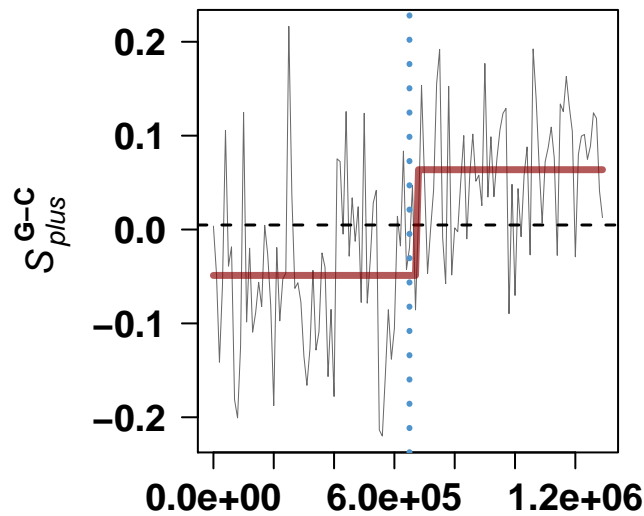


genome coordinates

Candidatus Pelagibacter ubique HTCC1062

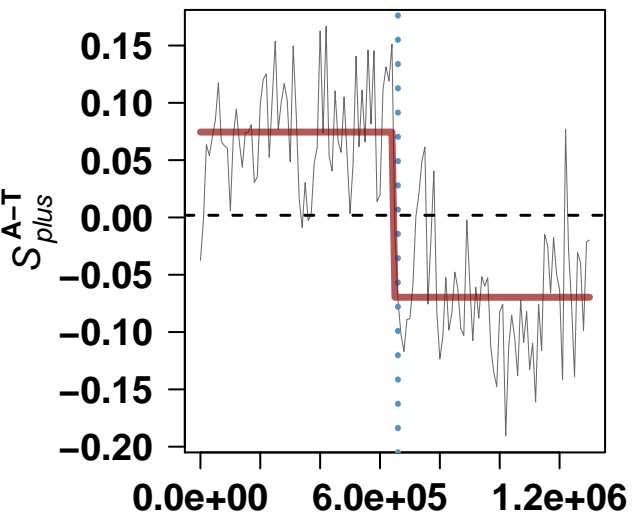


genome coordinates

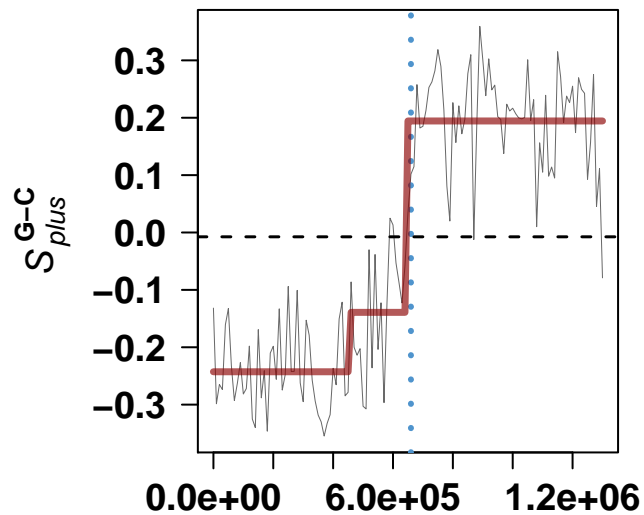


genome coordinates

Ehrlichia canis str. Jake

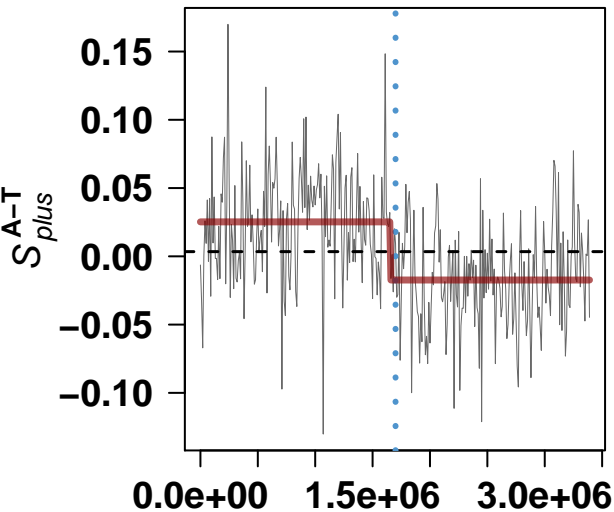


genome coordinates

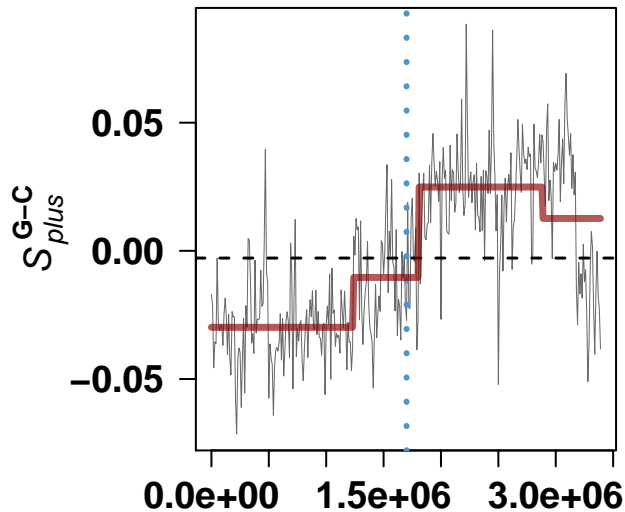


genome coordinates

Nitrobacter winogradskyi Nb-255

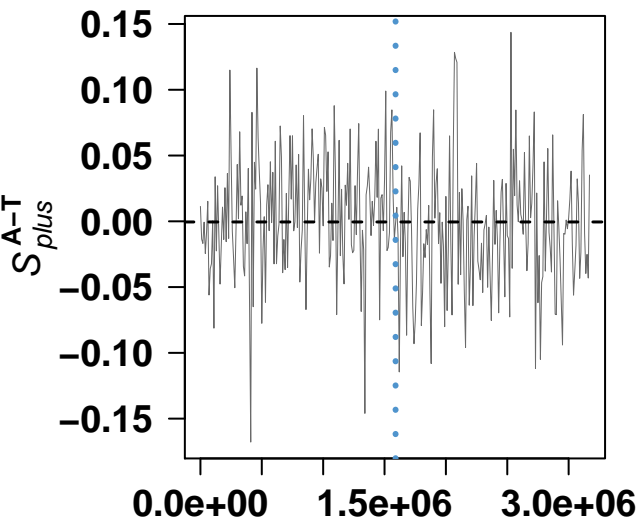


genome coordinates

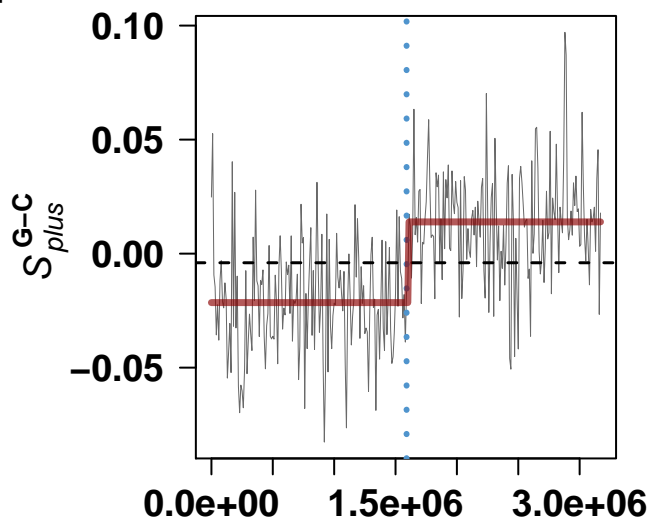


genome coordinates

Rhodobacter sphaeroides 2.4.1

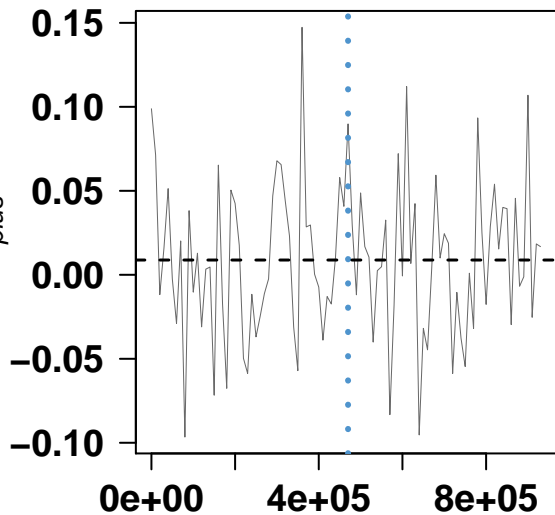


genome coordinates

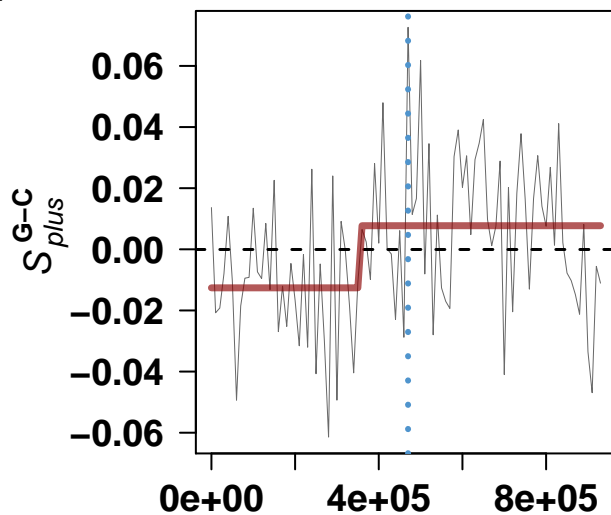


genome coordinates

Rhodobacter sphaeroides 2.4.1

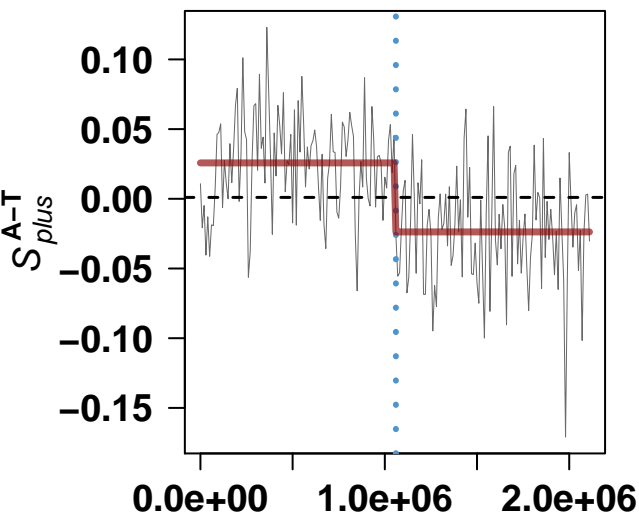


genome coordinates

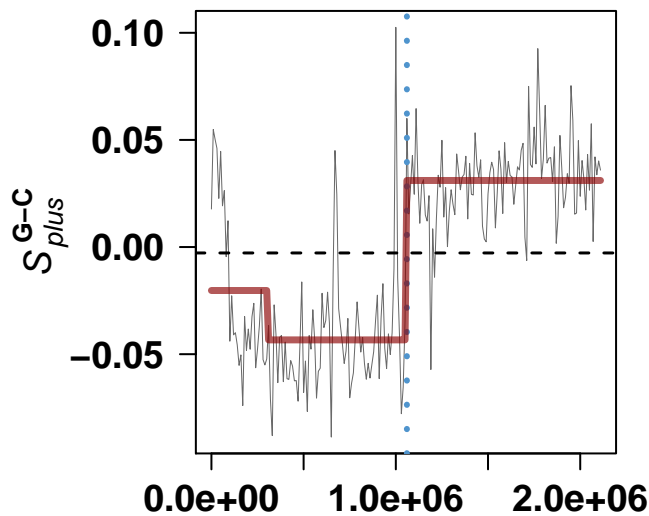


genome coordinates

Brucella abortus 2308

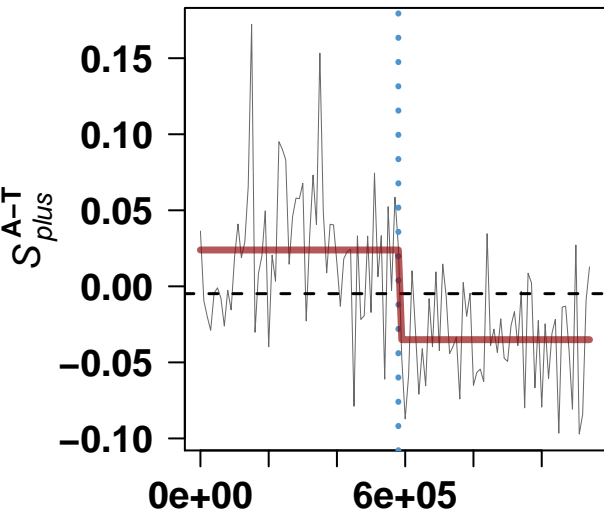


genome coordinates

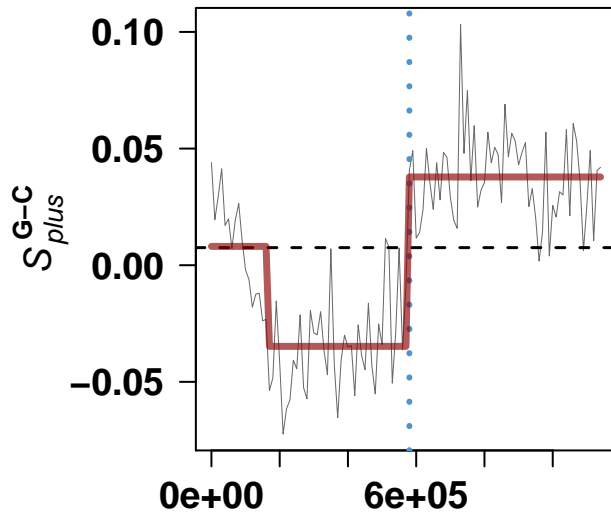


genome coordinates

Brucella abortus 2308

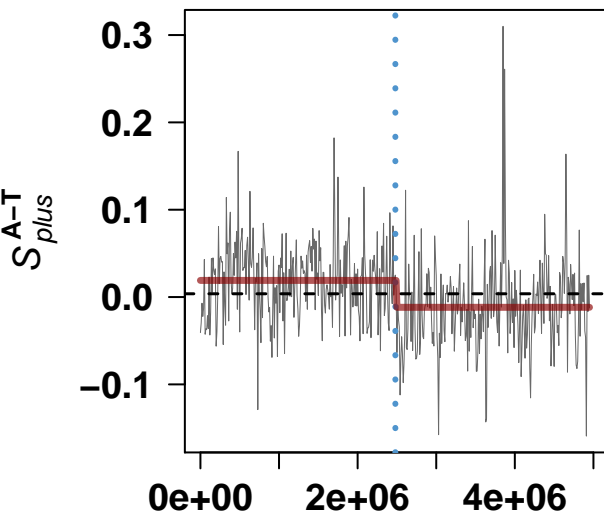


genome coordinates

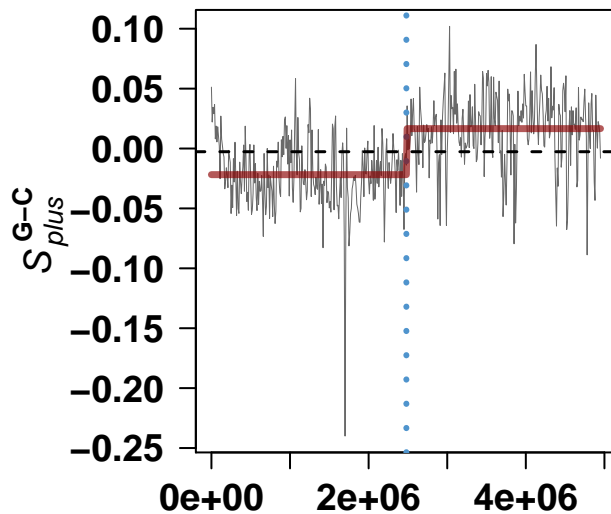


genome coordinates

Magnetospirillum magneticum AMB-1

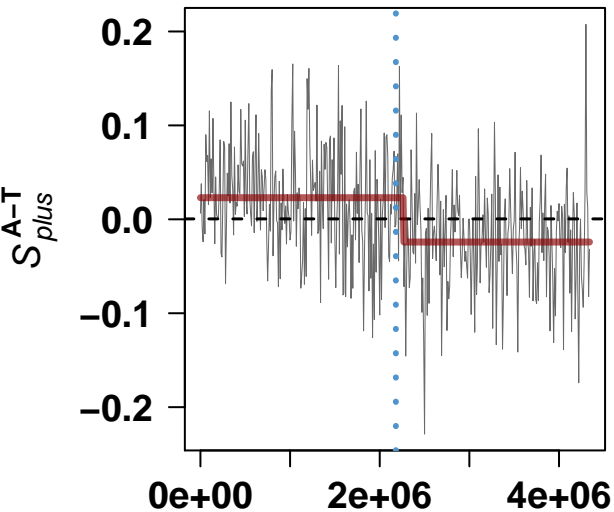


genome coordinates

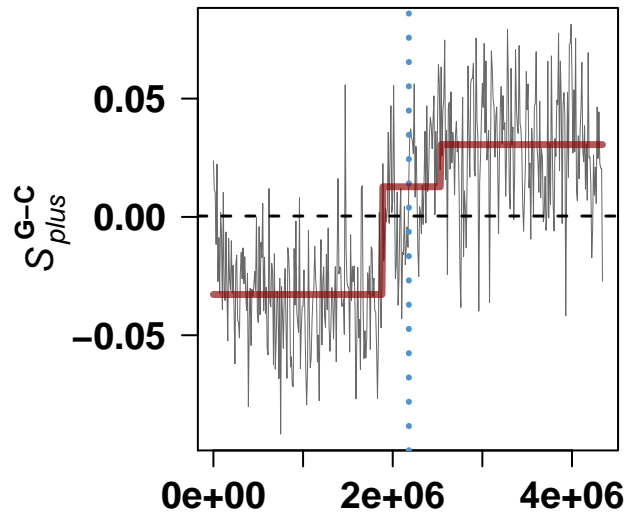


genome coordinates

Rhodospirillum rubrum ATCC 11170

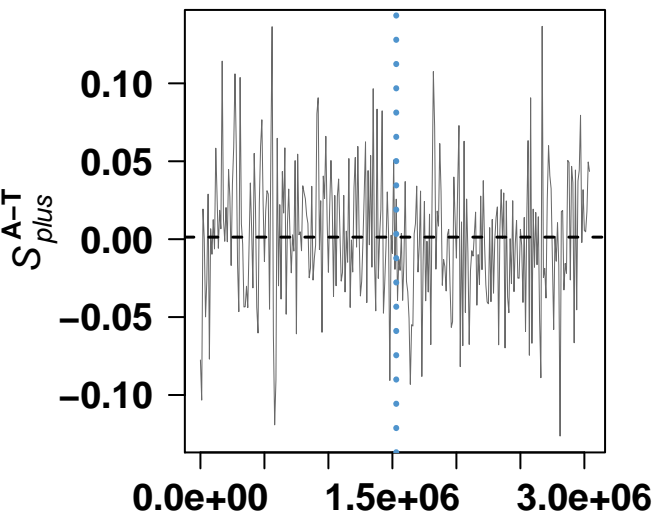


genome coordinates

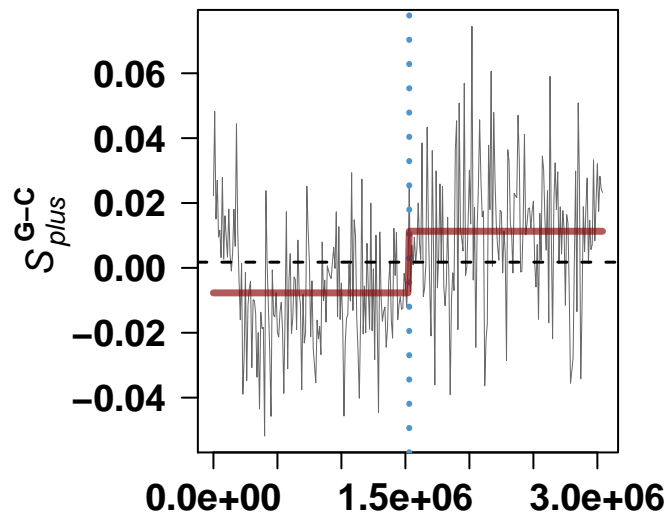


genome coordinates

Erythrobacter litoralis HTCC2594

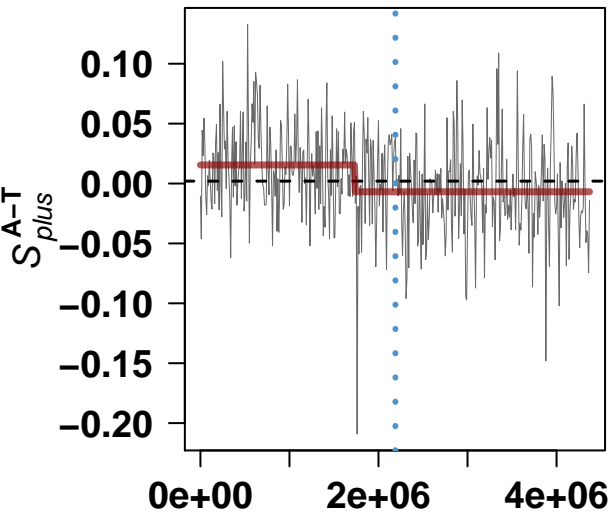


genome coordinates

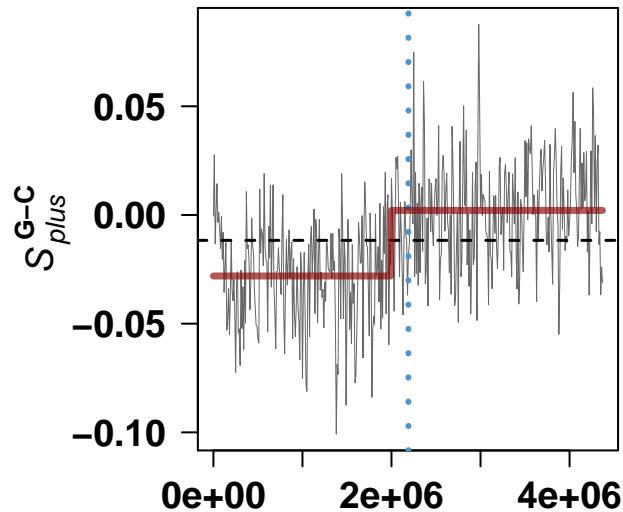


genome coordinates

Rhizobium etli CFN 42

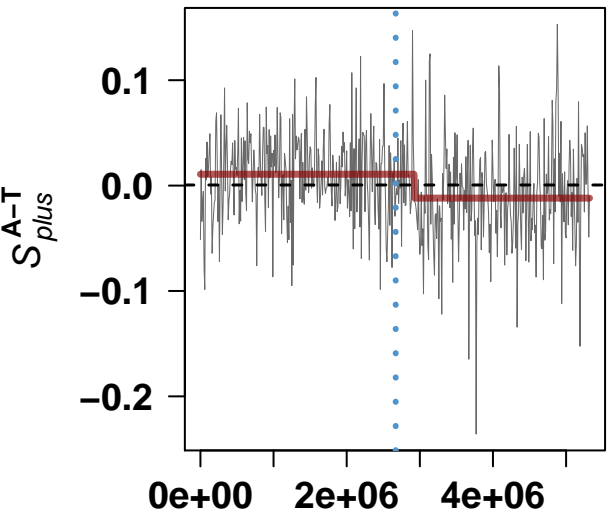


genome coordinates

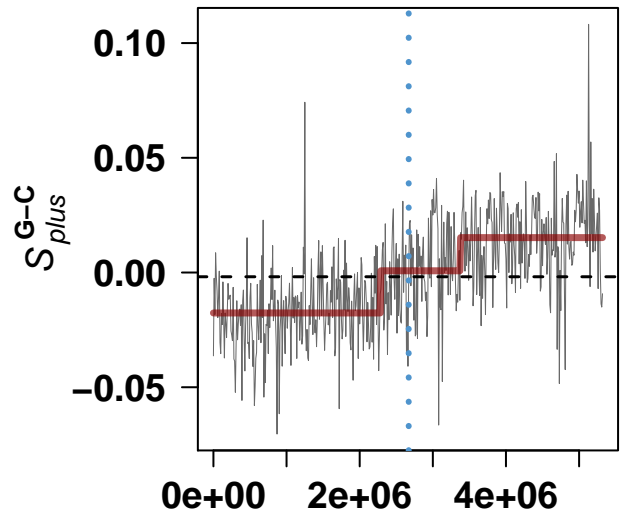


genome coordinates

Rhodopseudomonas palustris HaA2

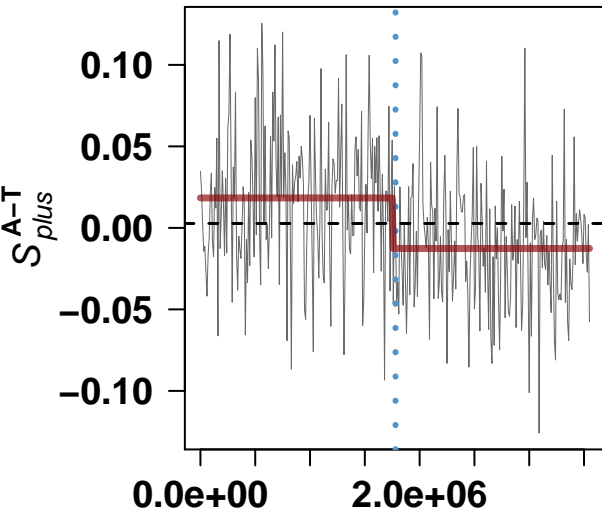


genome coordinates

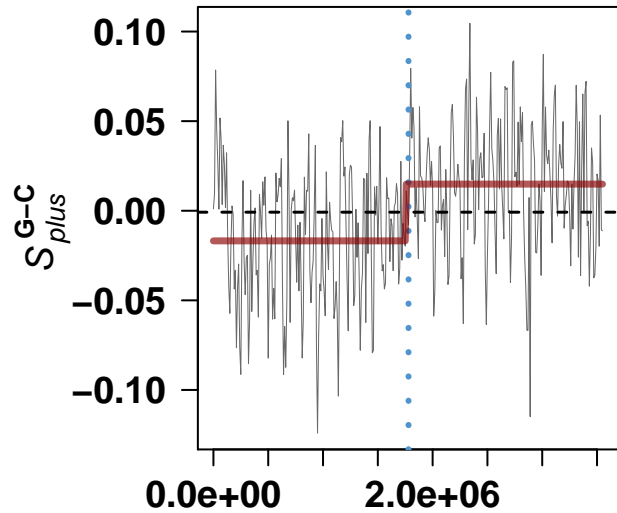


genome coordinates

Novosphingobium aromaticivorans DSM 12444

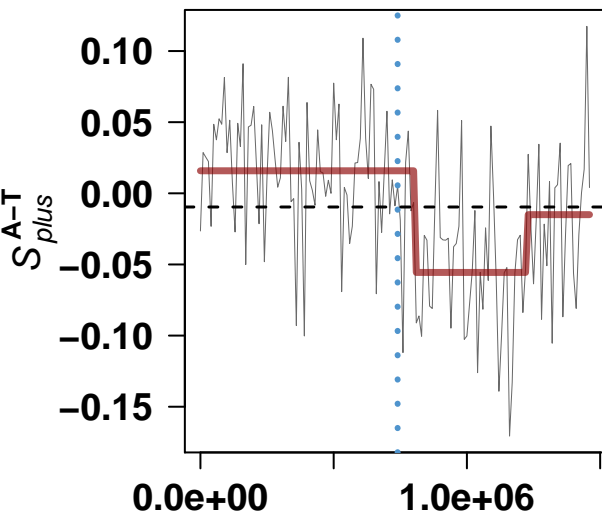


genome coordinates

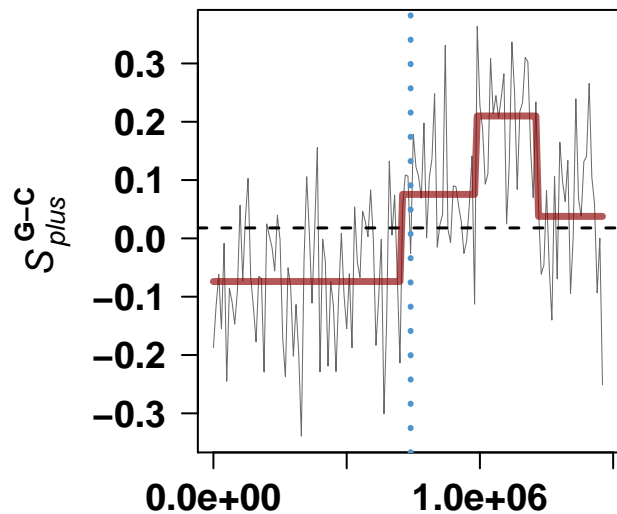


genome coordinates

Anaplasma phagocytophilum str. HZ

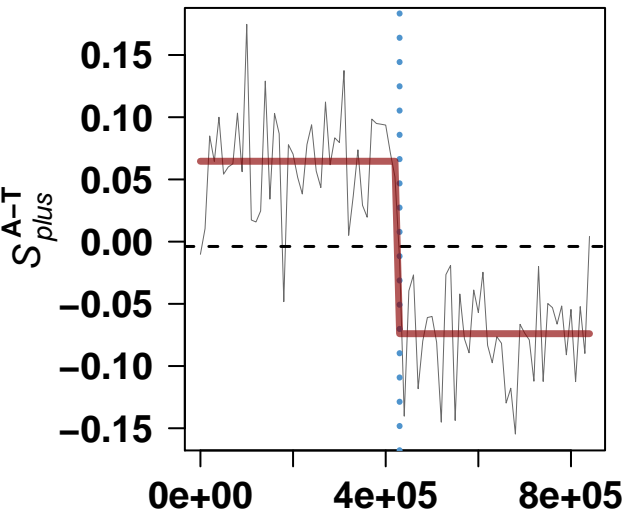


genome coordinates

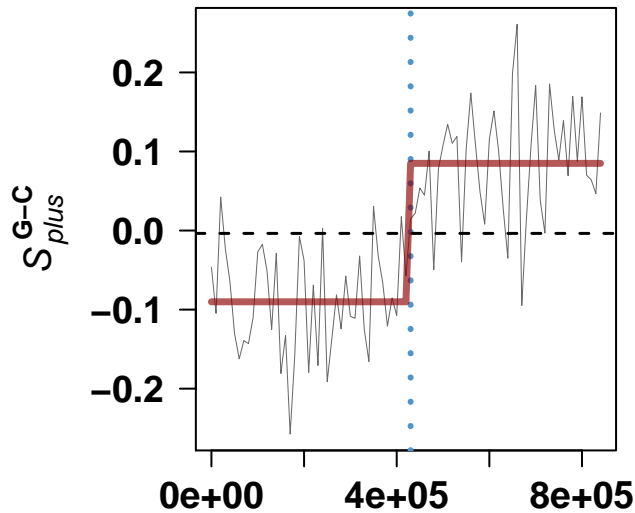


genome coordinates

Neorickettsia sennetsu str. Miyayama

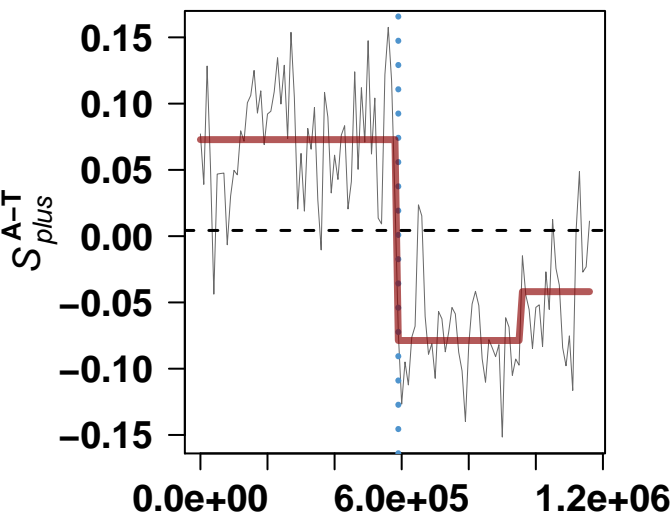


genome coordinates

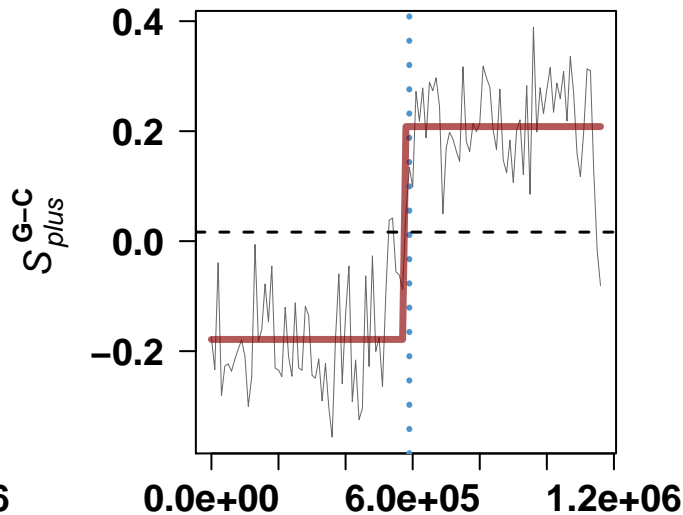


genome coordinates

Ehrlichia chaffeensis str. Arkansas

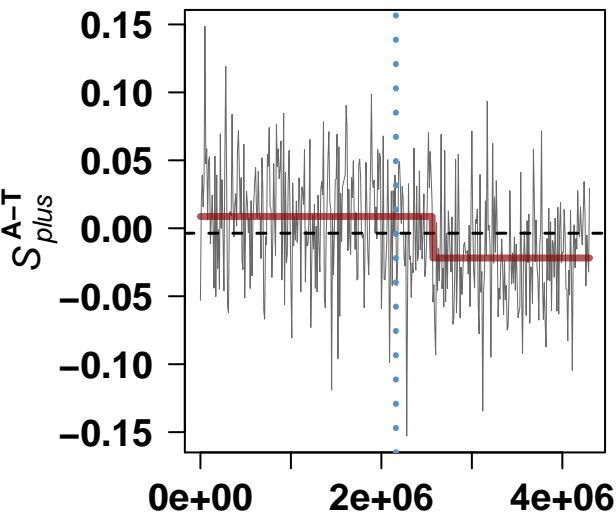


genome coordinates

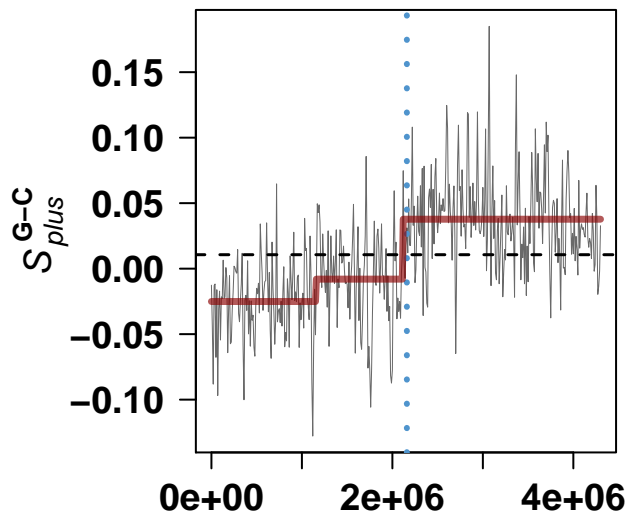


genome coordinates

Jannaschia sp. CCS1

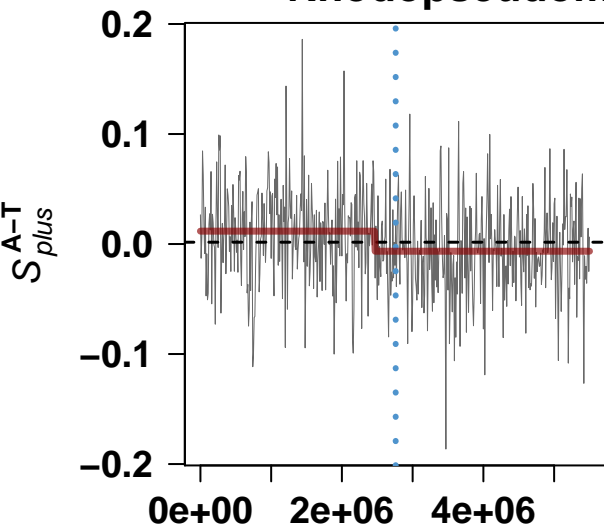


genome coordinates

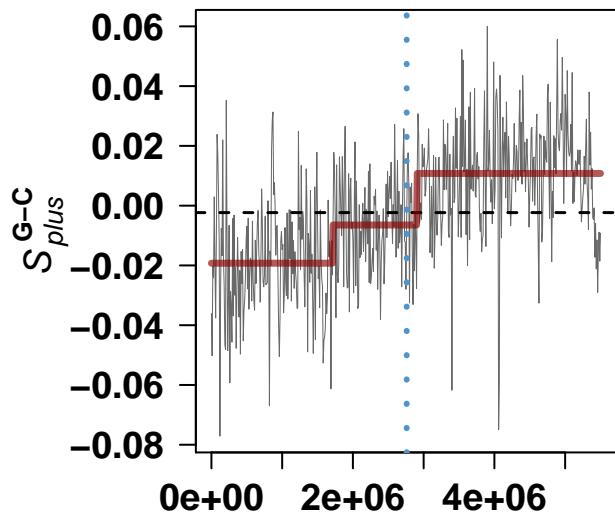


genome coordinates

Rhodopseudomonas palustris BisB18

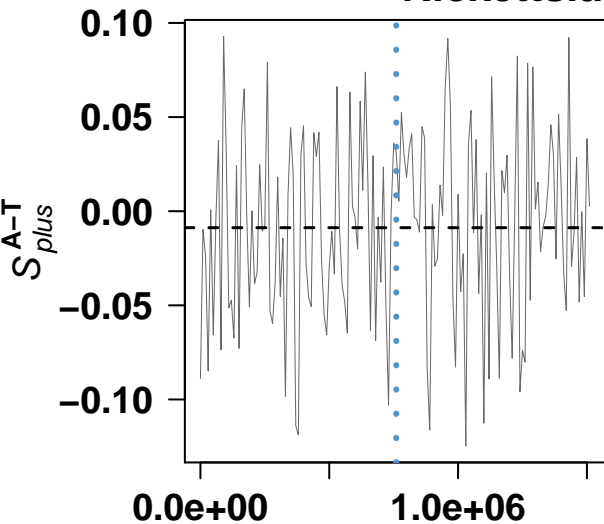


genome coordinates

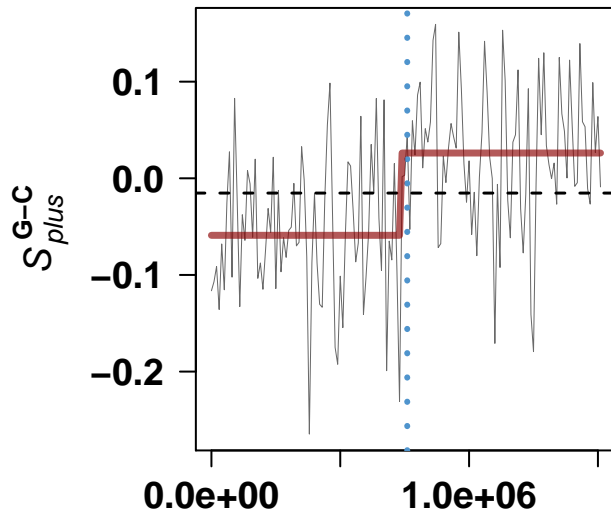


genome coordinates

Rickettsia bellii RML369-C

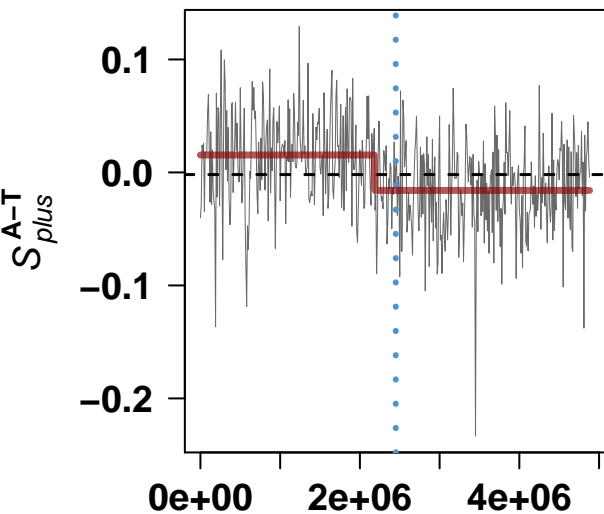


genome coordinates

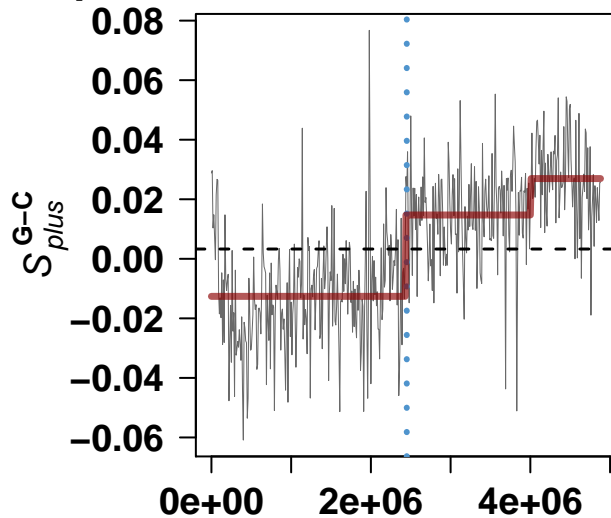


genome coordinates

Rhodopseudomonas palustris BisB5

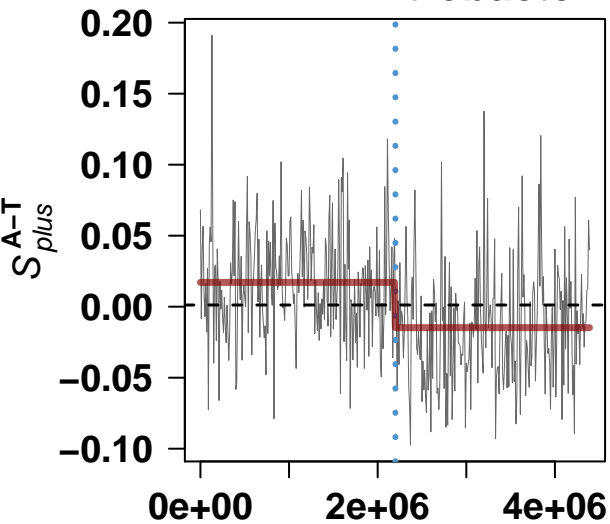


genome coordinates

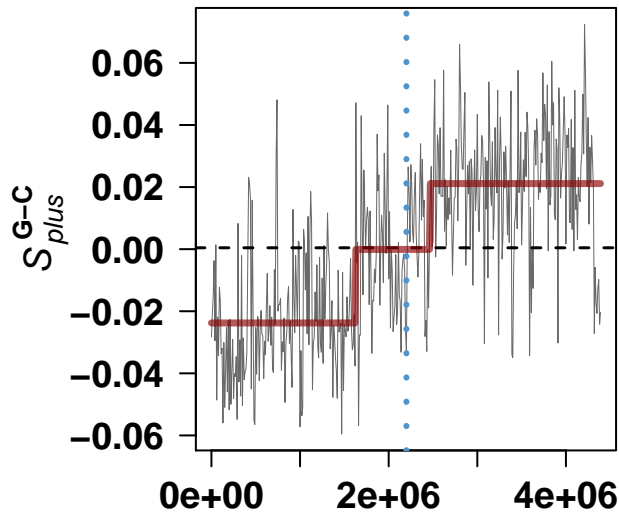


genome coordinates

Nitrobacter hamburgensis X14

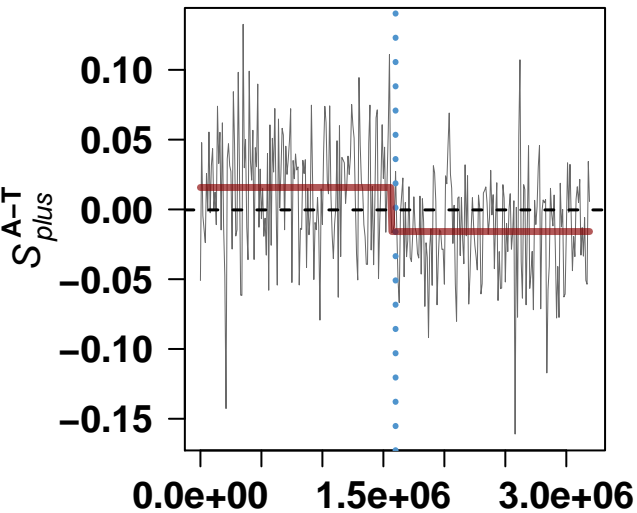


genome coordinates

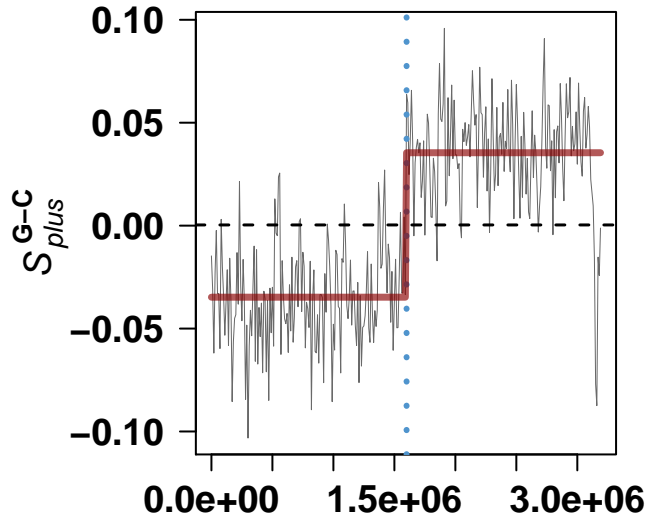


genome coordinates

Ruegeria sp. TM1040

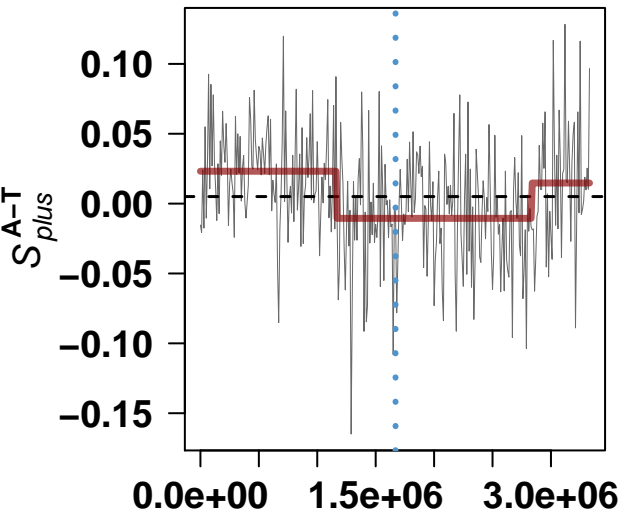


genome coordinates

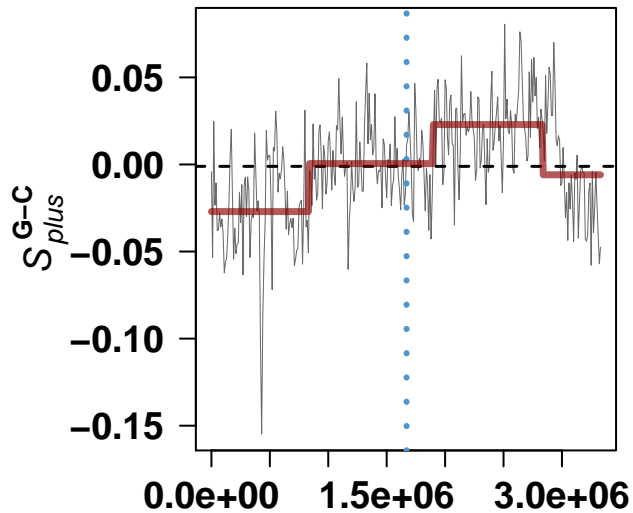


genome coordinates

Sphingopyxis alaskensis RB2256

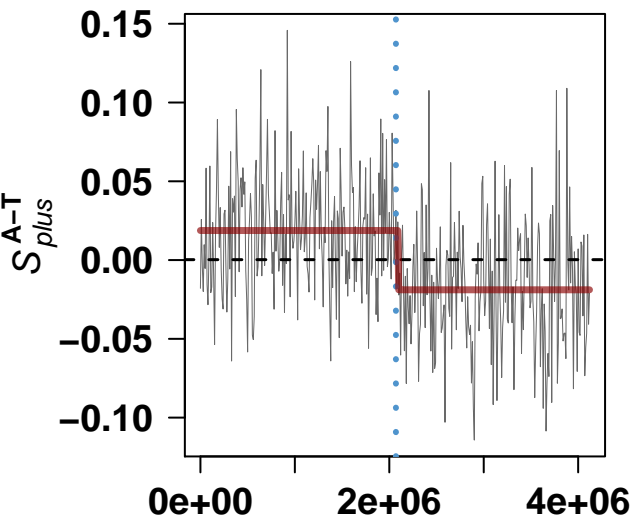


genome coordinates

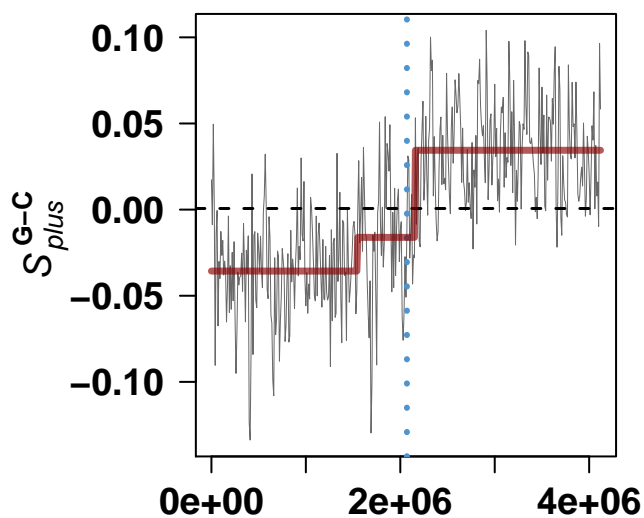


genome coordinates

Roseobacter denitrificans OCh 114

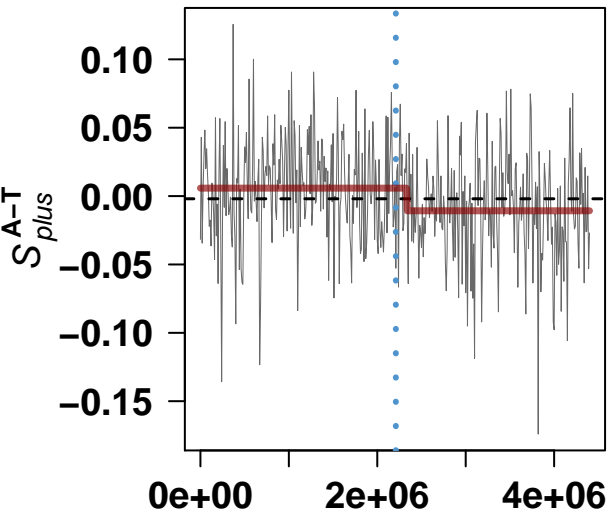


genome coordinates

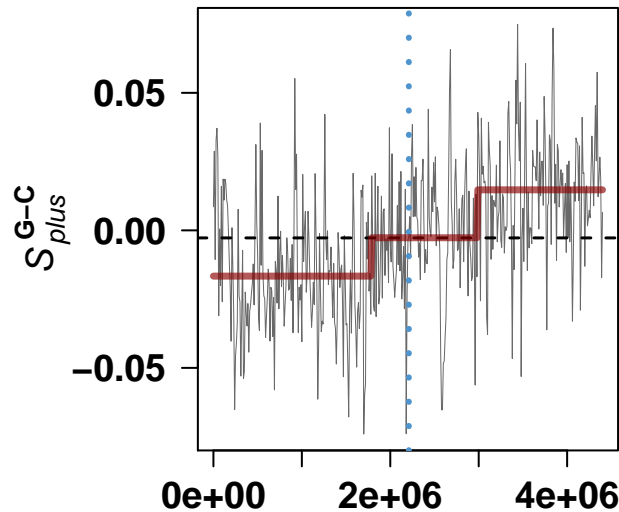


genome coordinates

Chelativorans sp. BNC1

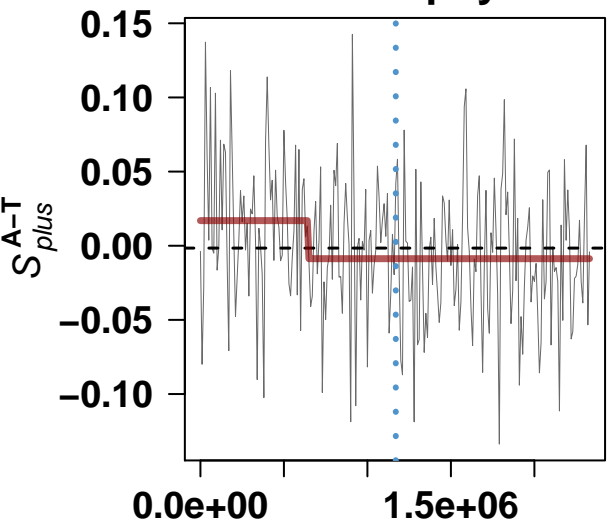


genome coordinates

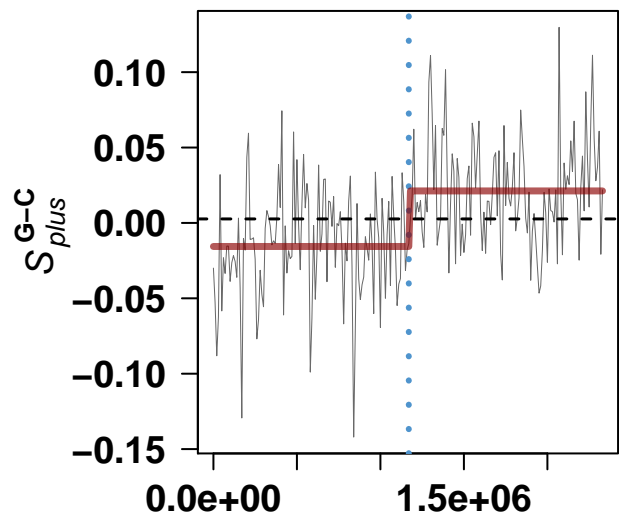


genome coordinates

Porphyromonas gingivalis W83

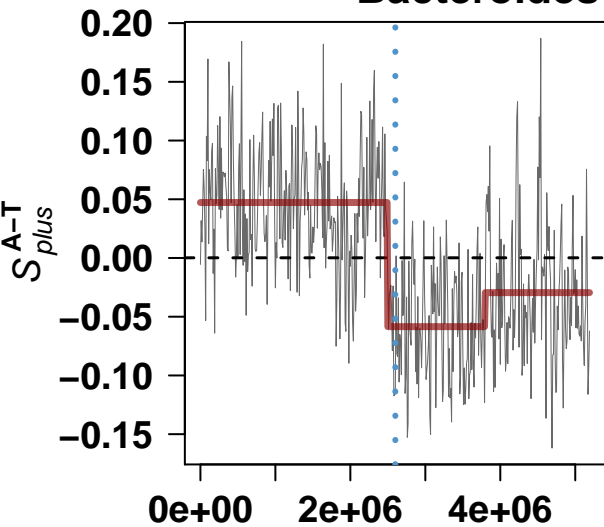


genome coordinates

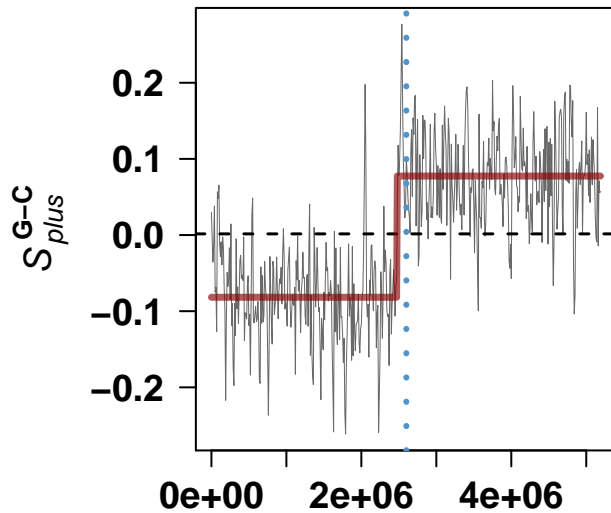


genome coordinates

Bacteroides fragilis NCTC 9343

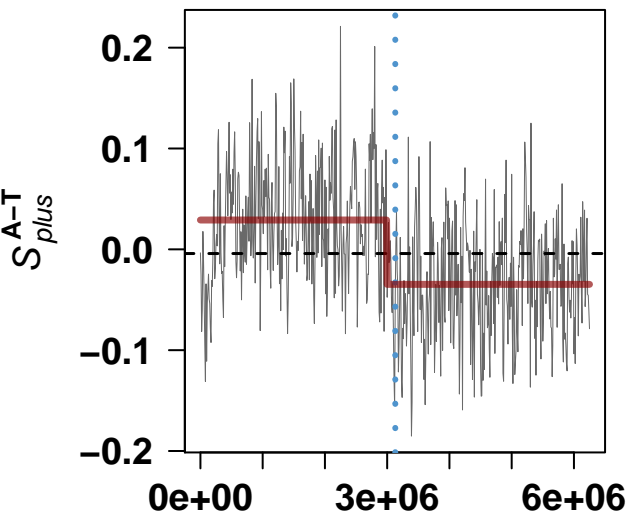


genome coordinates

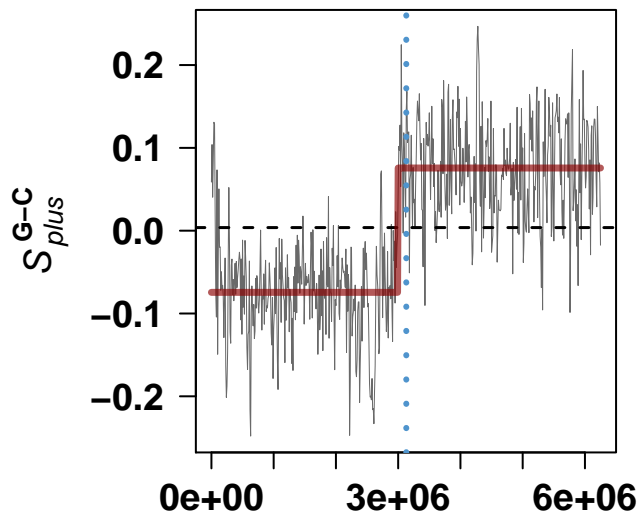


genome coordinates

Bacteroides thetaiotaomicron VPI-5482

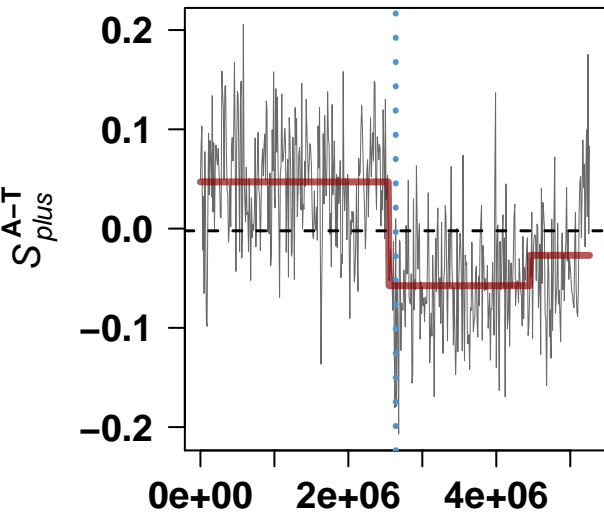


genome coordinates

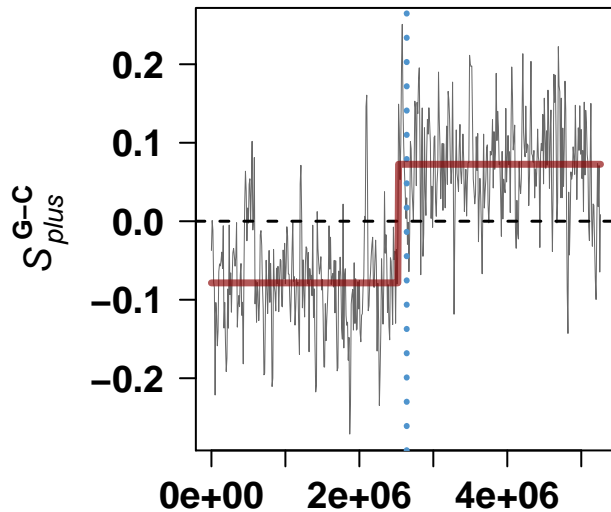


genome coordinates

Bacteroides fragilis YCH46

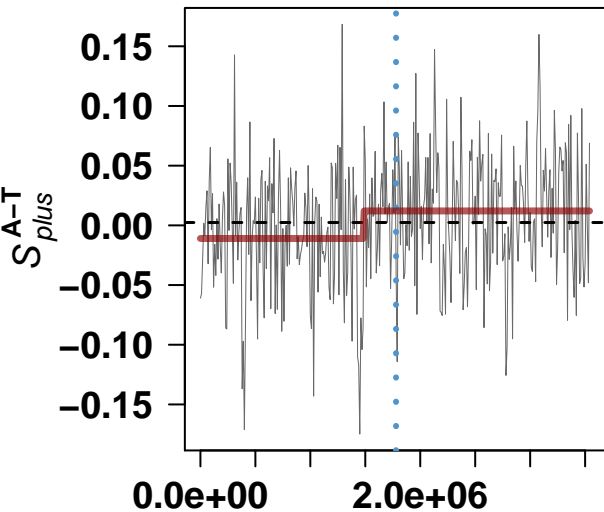


genome coordinates

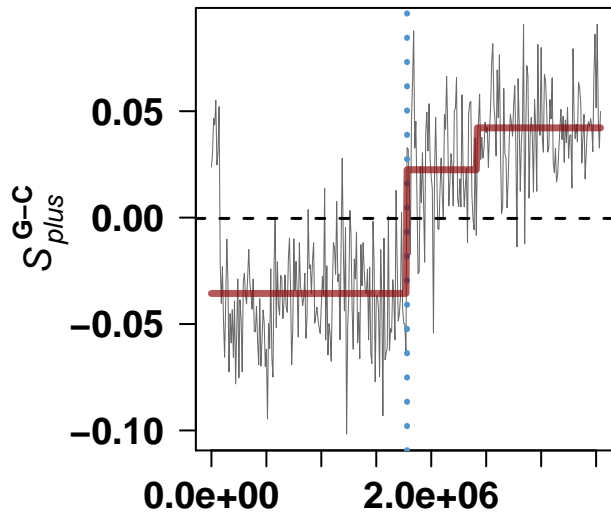


genome coordinates

Salinibacter ruber DSM 13855

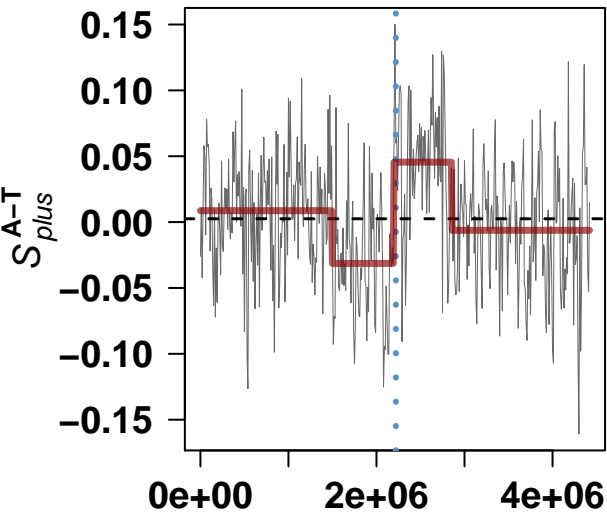


genome coordinates

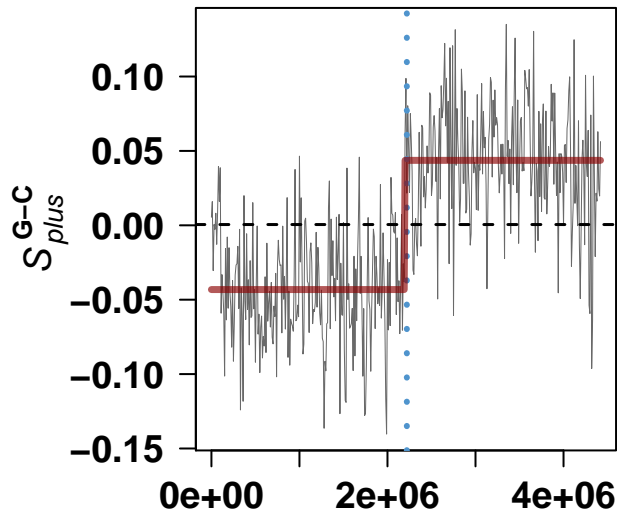


genome coordinates

Cytophaga hutchinsonii ATCC 33406

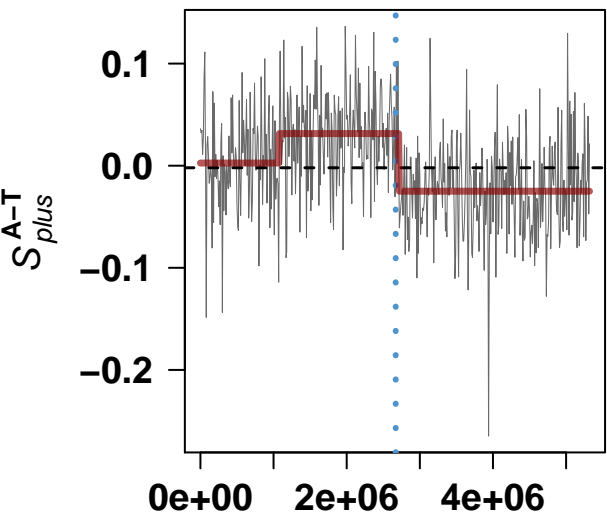


genome coordinates

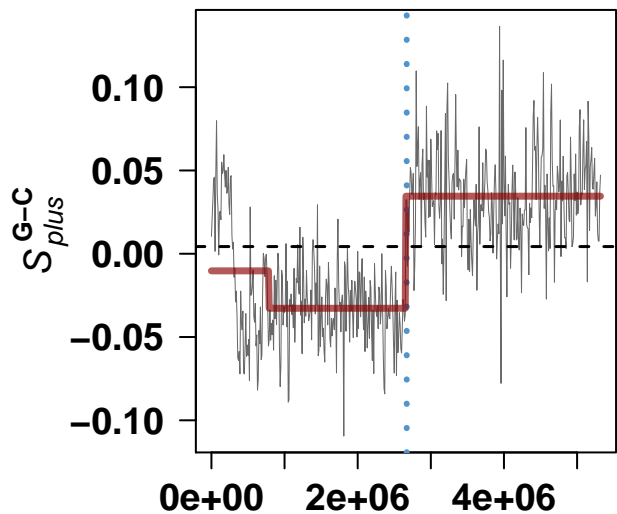


genome coordinates

Bordetella bronchiseptica RB50

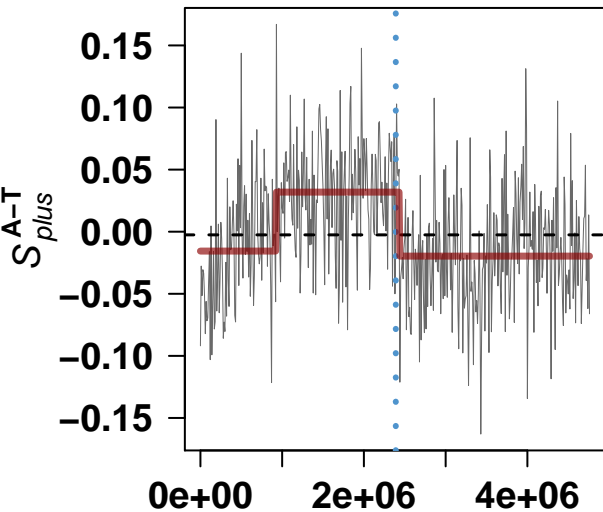


genome coordinates

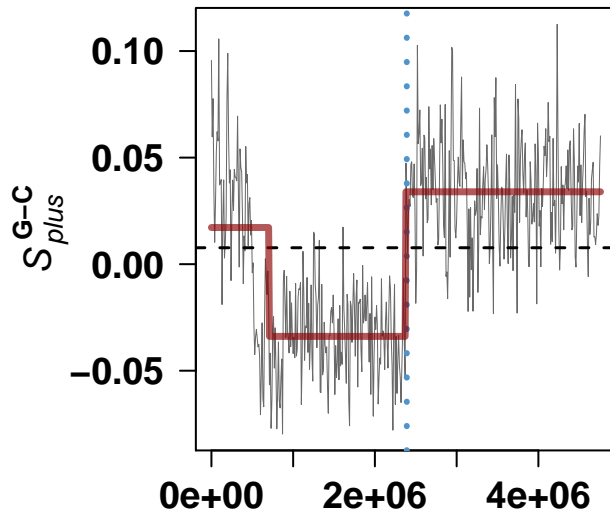


genome coordinates

***Bordetella parapertussis* 12822**

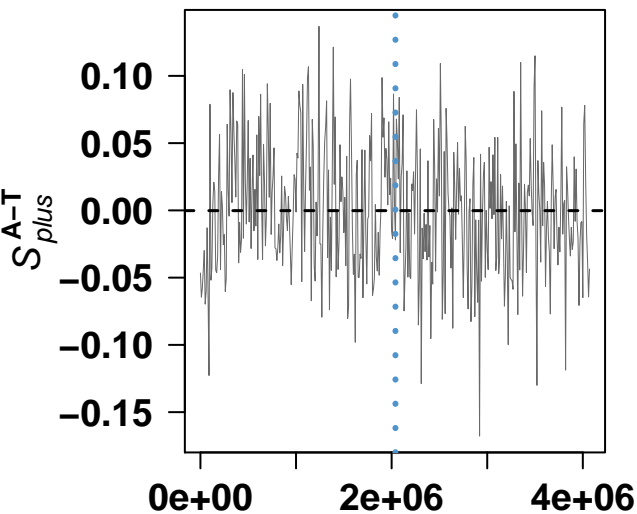


genome coordinates

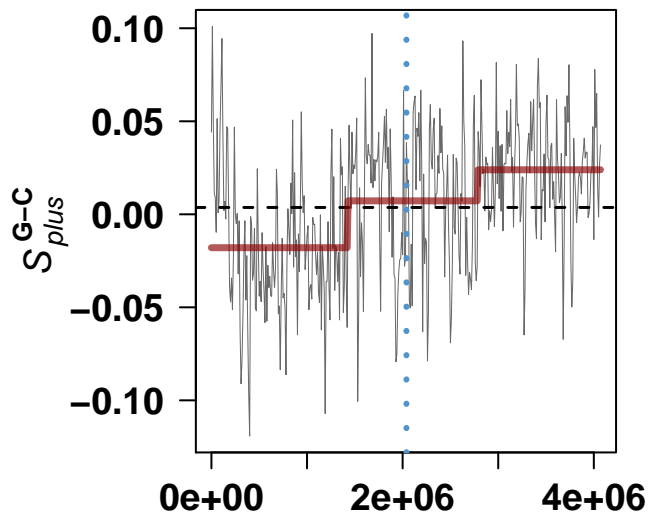


genome coordinates

***Bordetella pertussis* Tohama I**

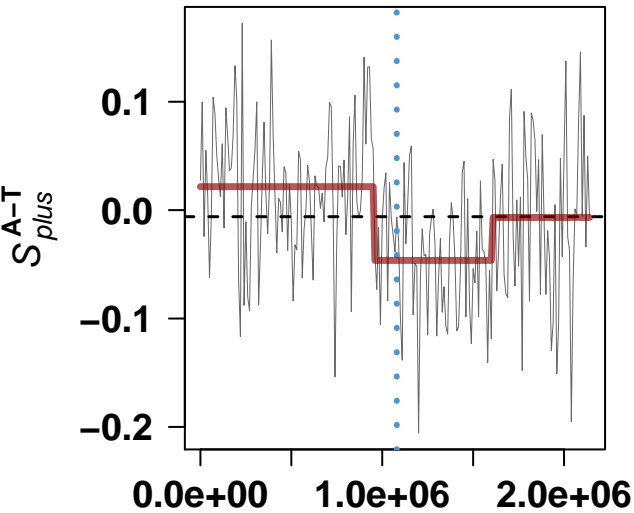


genome coordinates

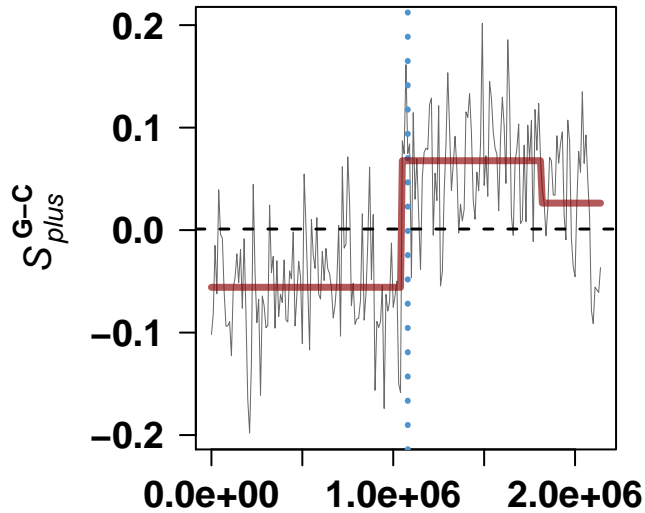


genome coordinates

Neisseria gonorrhoeae FA 1090

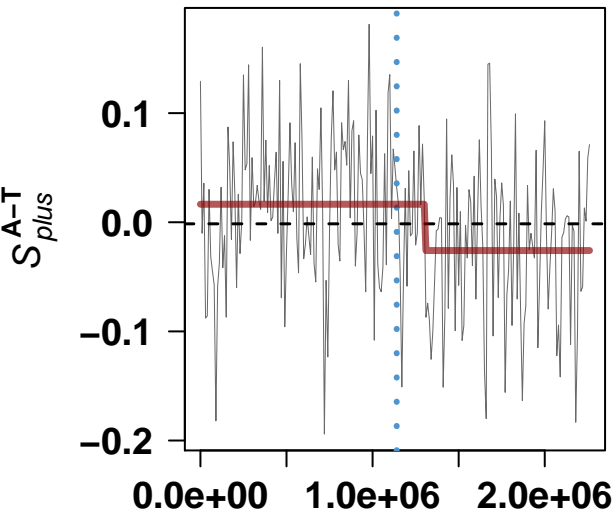


genome coordinates

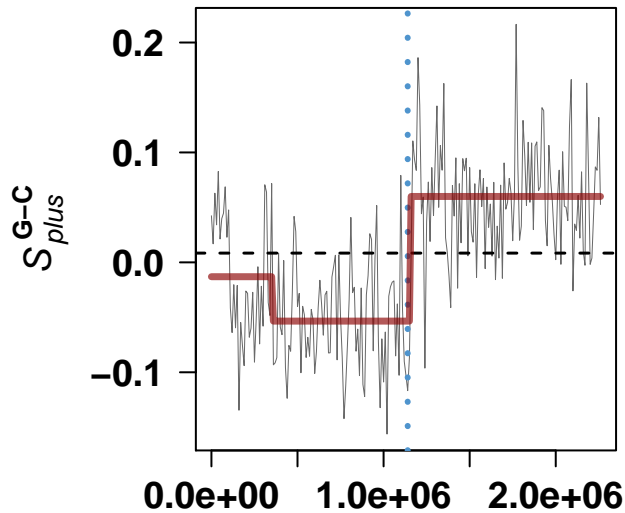


genome coordinates

Neisseria meningitidis MC58

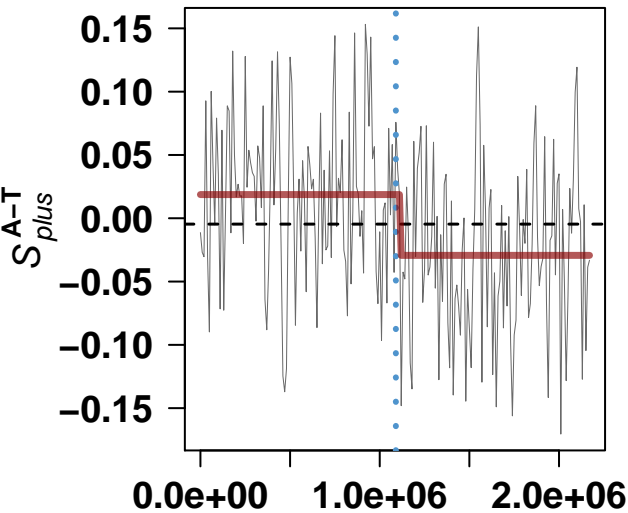


genome coordinates

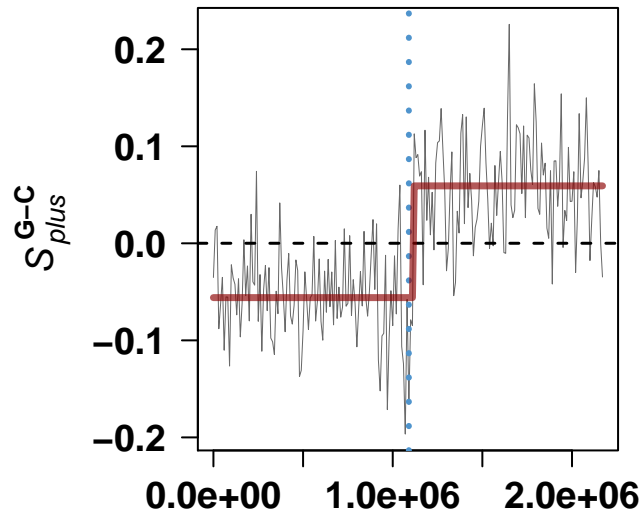


genome coordinates

Neisseria meningitidis Z2491

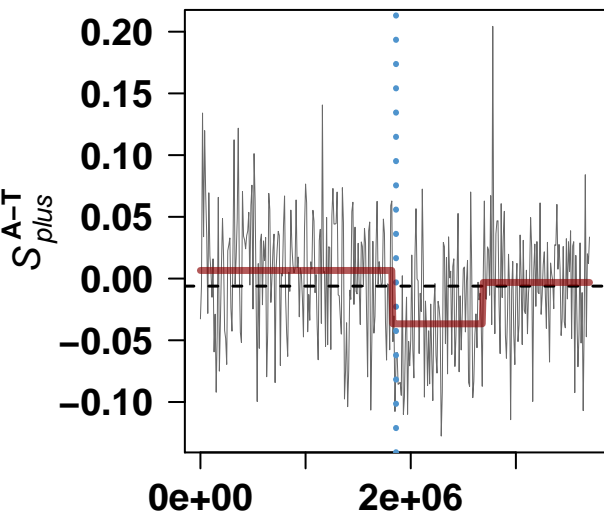


genome coordinates

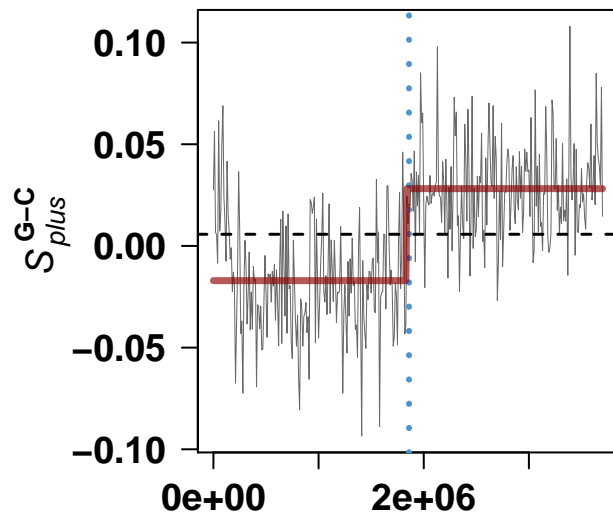


genome coordinates

Ralstonia solanacearum GMI1000

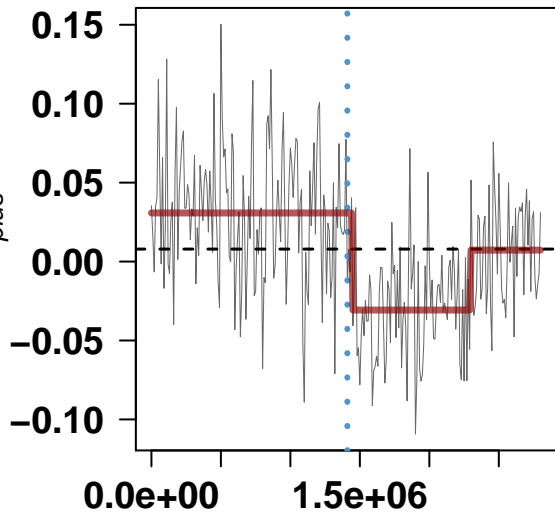


genome coordinates

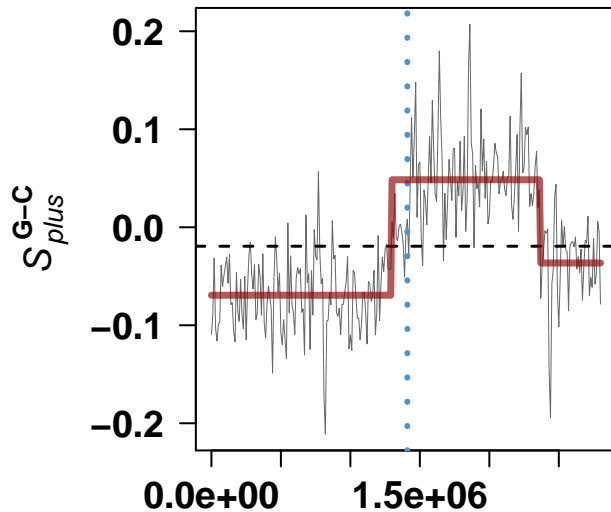


genome coordinates

Nitrosomonas europaea ATCC 19718

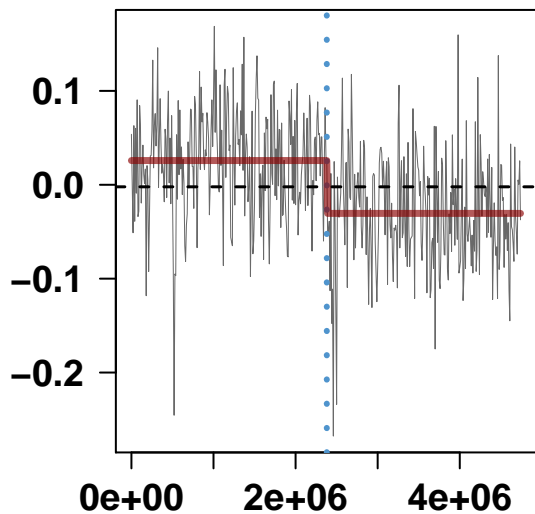


genome coordinates

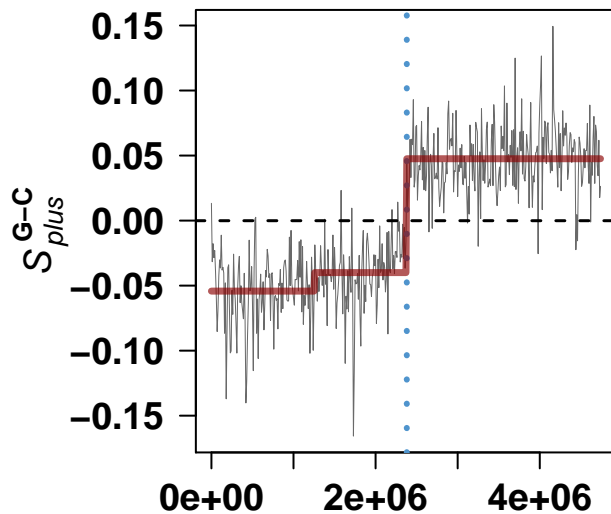


genome coordinates

Chromobacterium violaceum ATCC 12472

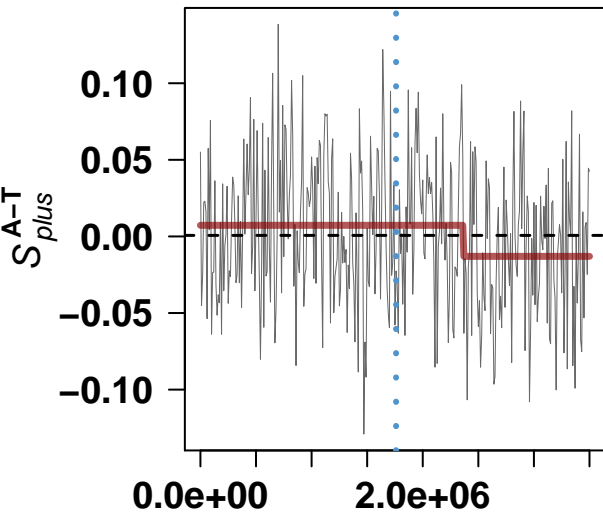


genome coordinates

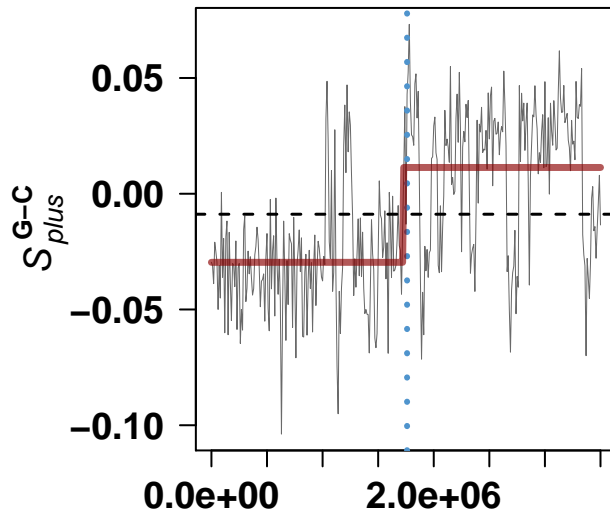


genome coordinates

Burkholderia mallei ATCC 23344

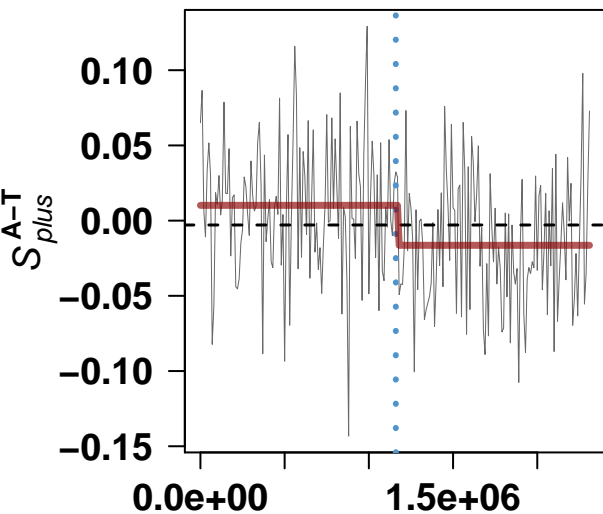


genome coordinates

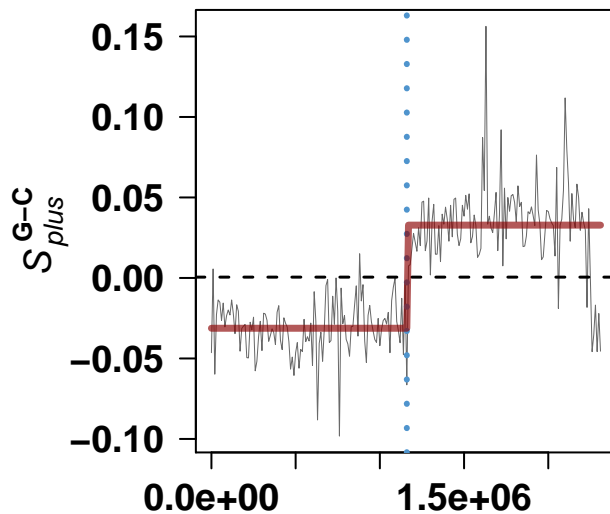


genome coordinates

Burkholderia mallei ATCC 23344

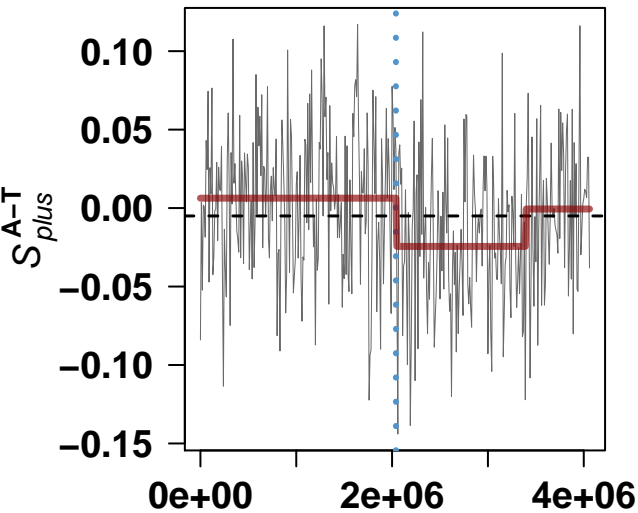


genome coordinates

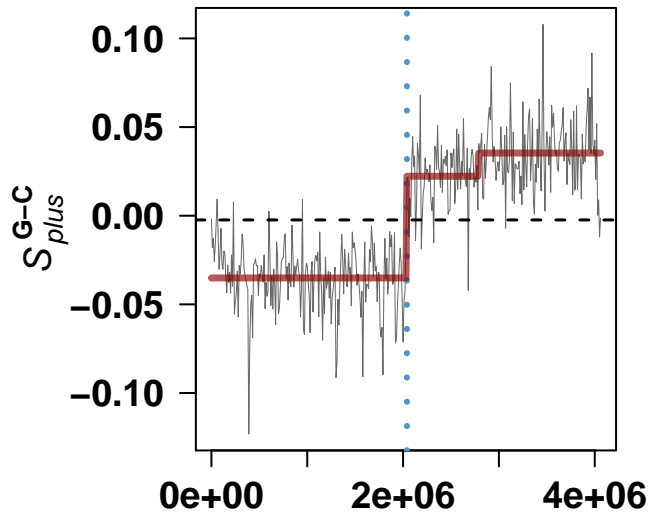


genome coordinates

Burkholderia pseudomallei K96243

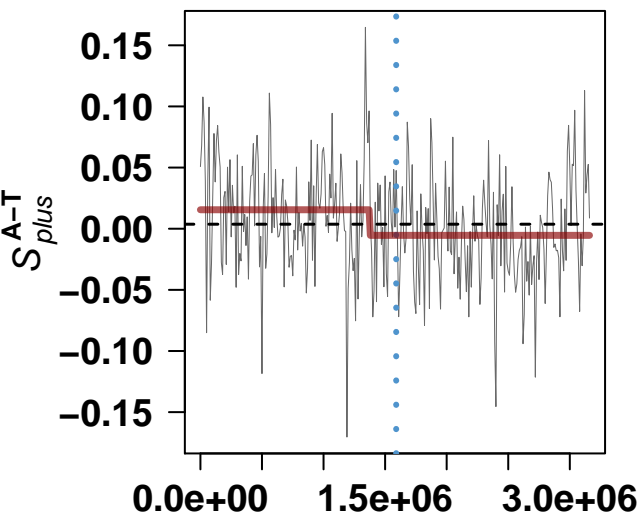


genome coordinates

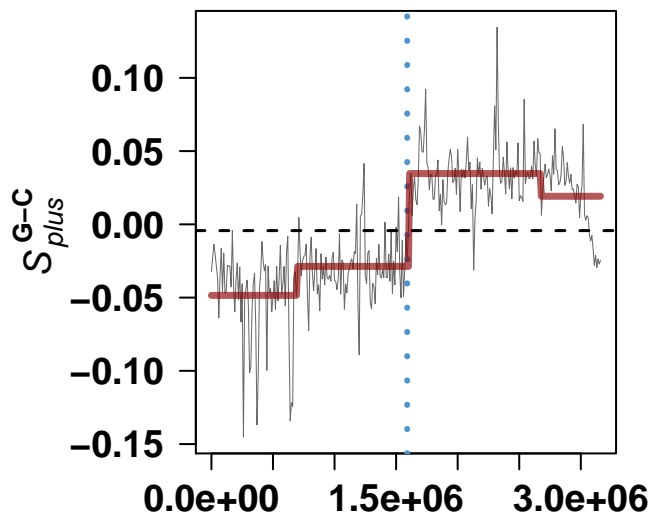


genome coordinates

Burkholderia pseudomallei K96243

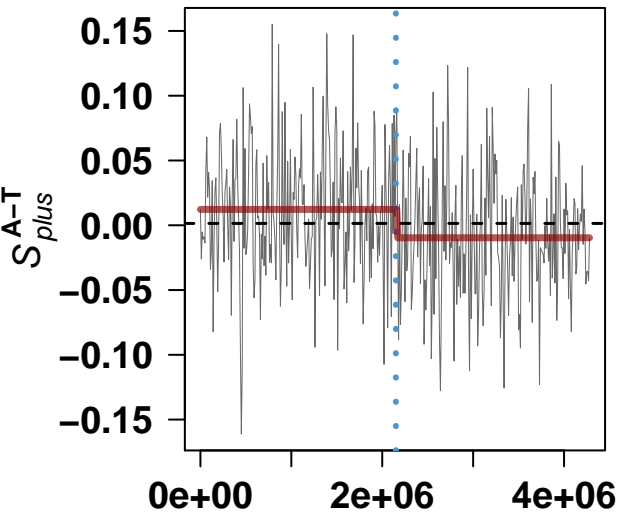


genome coordinates

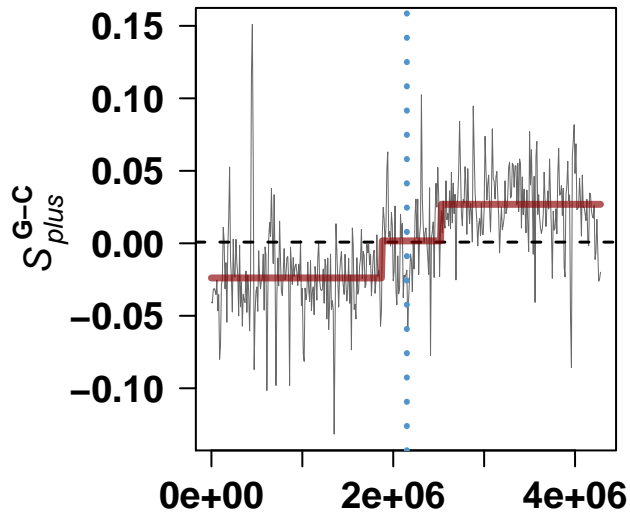


genome coordinates

Aromatoleum aromaticum EbN1

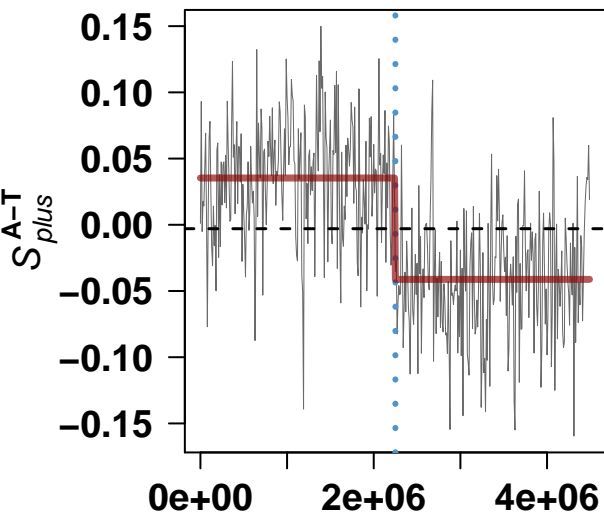


genome coordinates

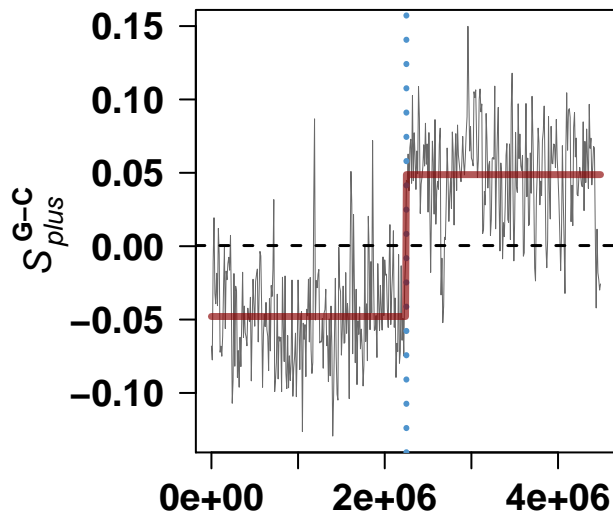


genome coordinates

Dechloromonas aromatica RCB

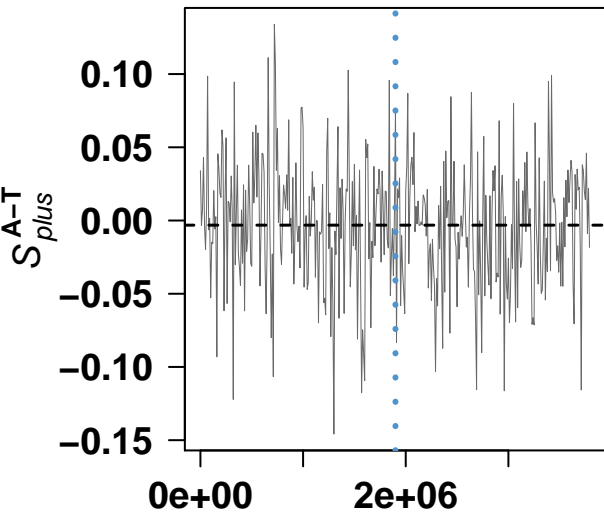


genome coordinates

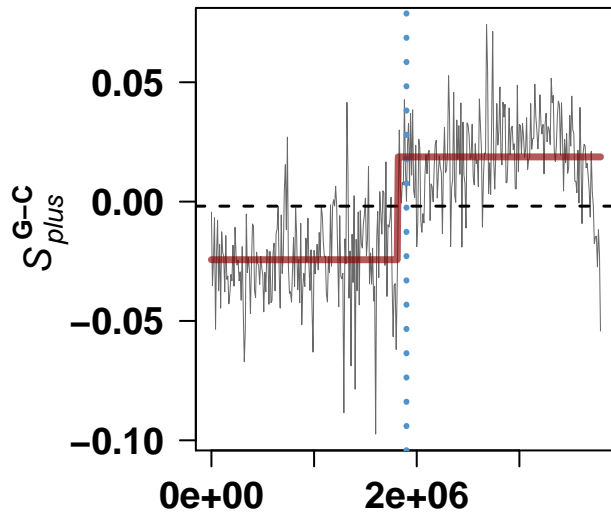


genome coordinates

Ralstonia eutropha JMP134

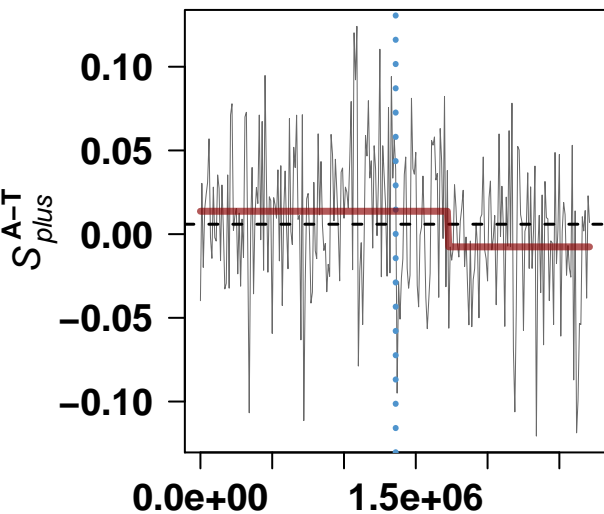


genome coordinates

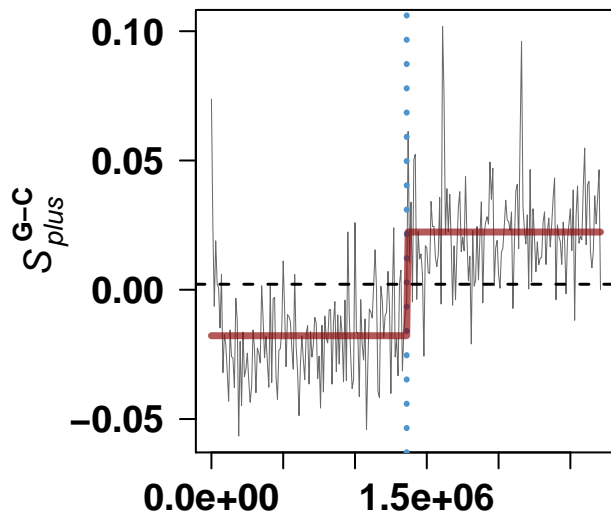


genome coordinates

Ralstonia eutropha JMP134

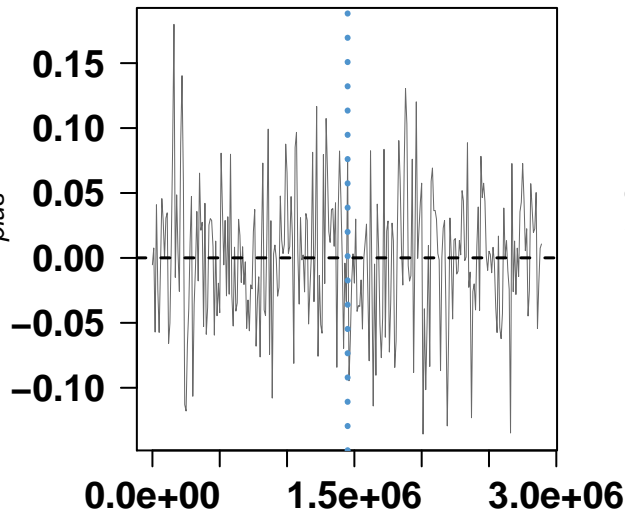


genome coordinates

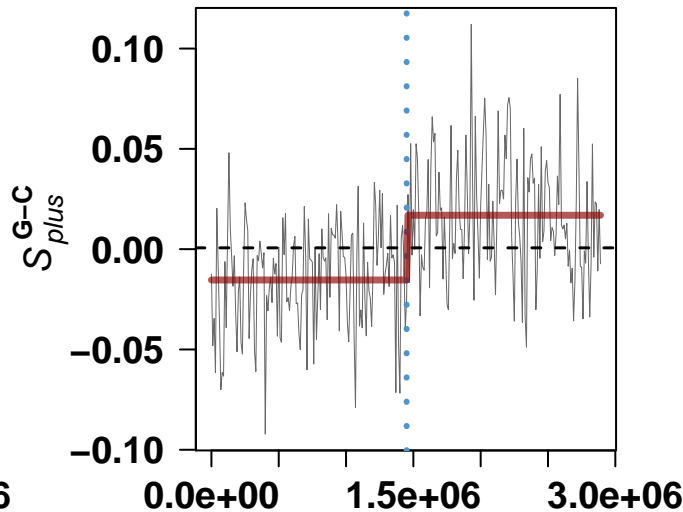


genome coordinates

Thiobacillus denitrificans ATCC 25259

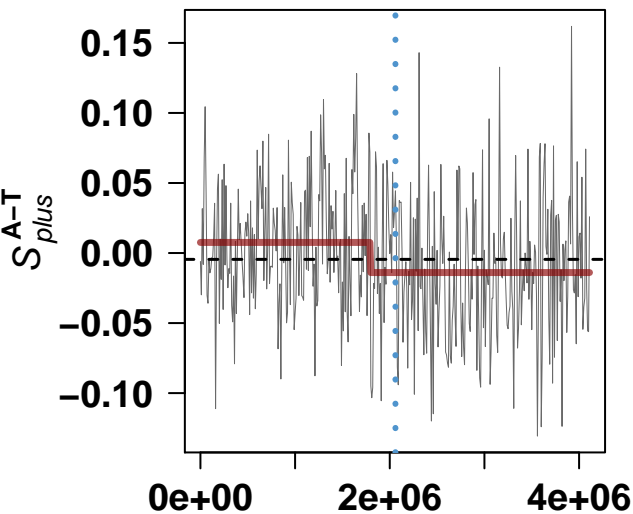


genome coordinates

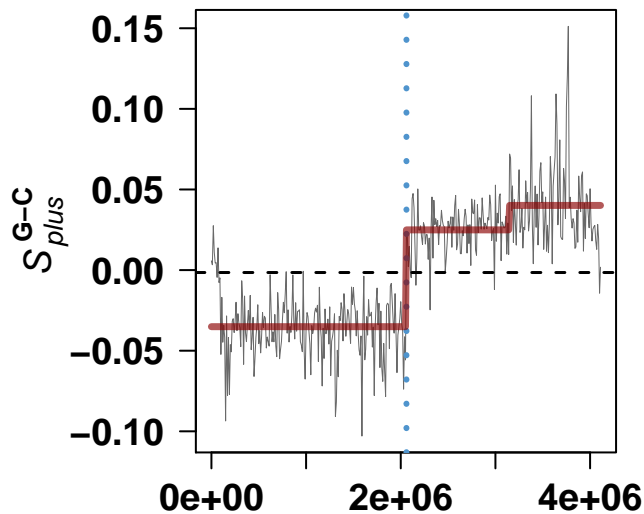


genome coordinates

Burkholderia pseudomallei 1710b

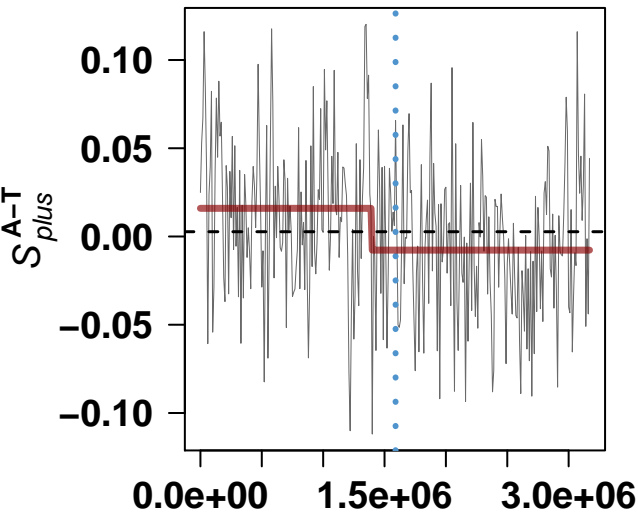


genome coordinates

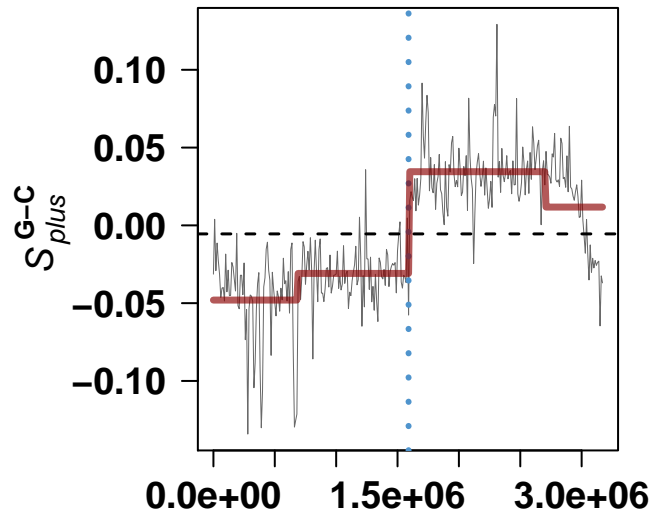


genome coordinates

Burkholderia pseudomallei 1710b

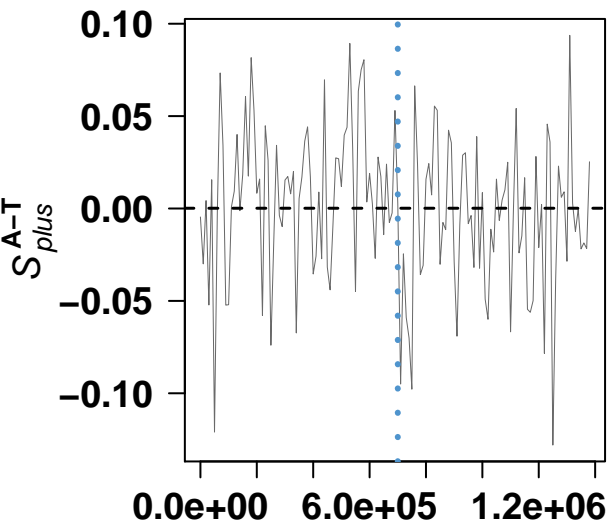


genome coordinates

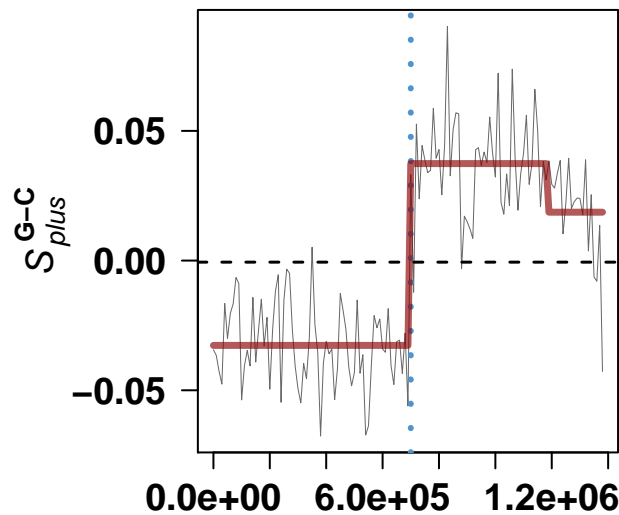


genome coordinates

Burkholderia lata

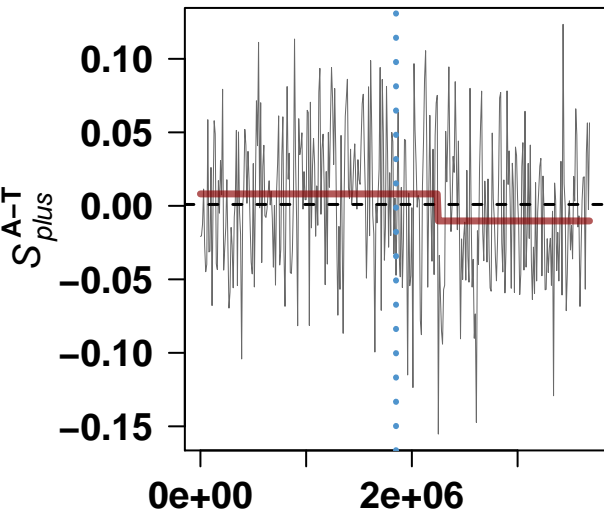


genome coordinates

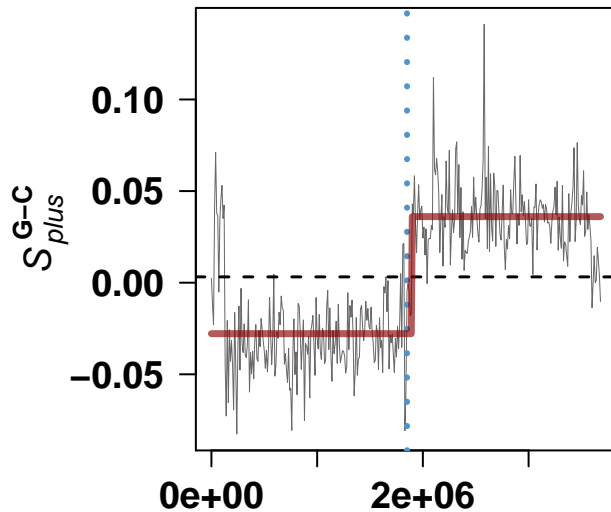


genome coordinates

Burkholderia lata

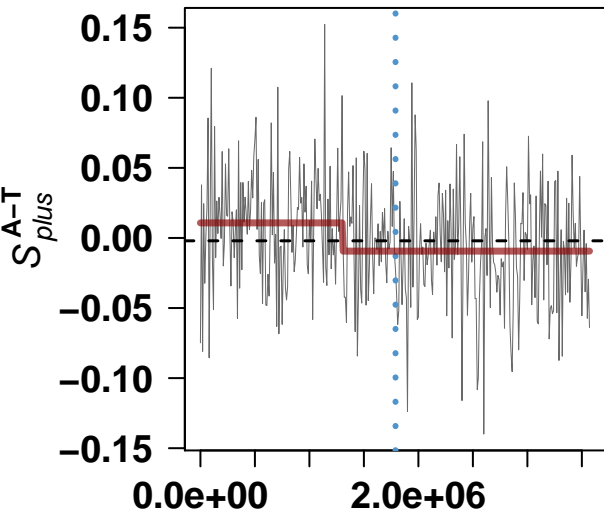


genome coordinates

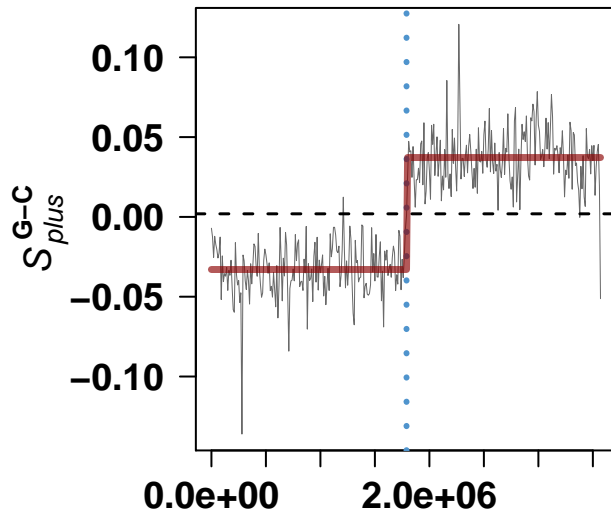


genome coordinates

Burkholderia lata

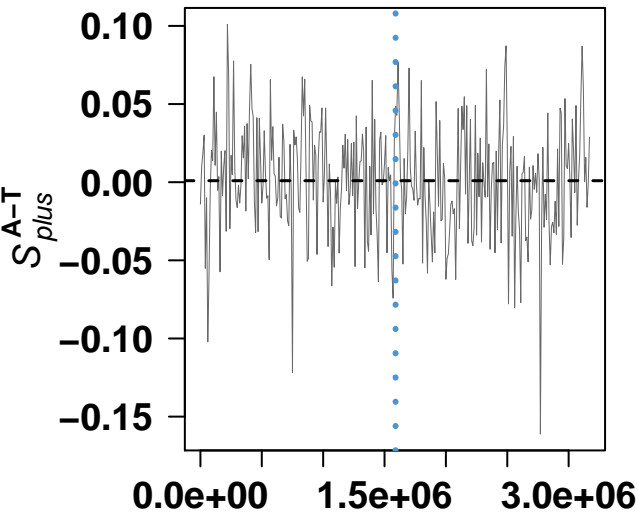


genome coordinates

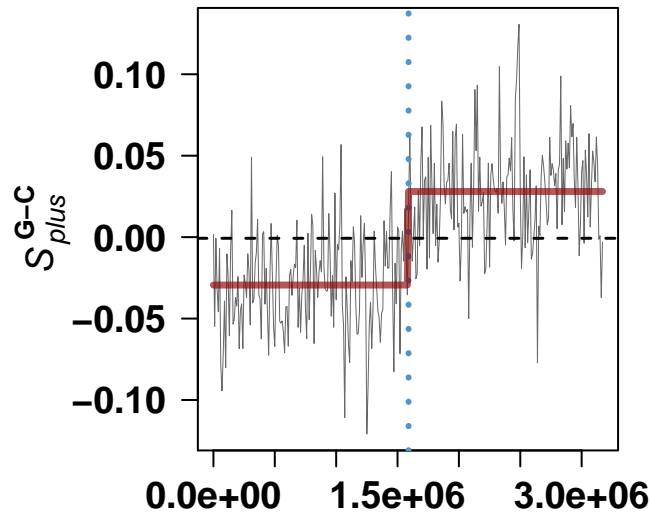


genome coordinates

Nitrosospira multiformis ATCC 25196

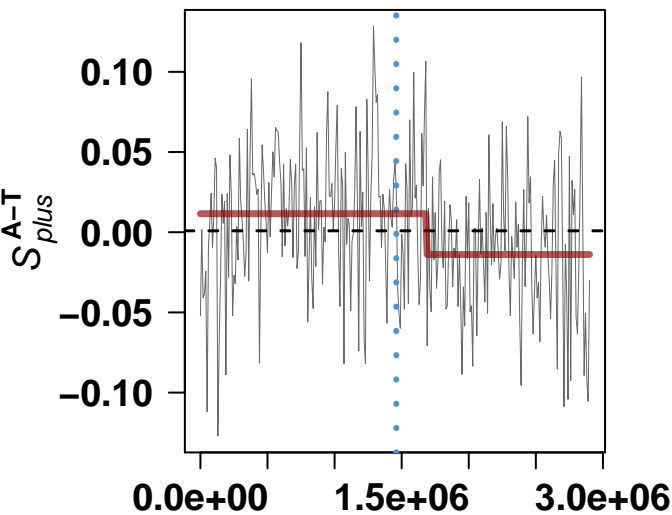


genome coordinates

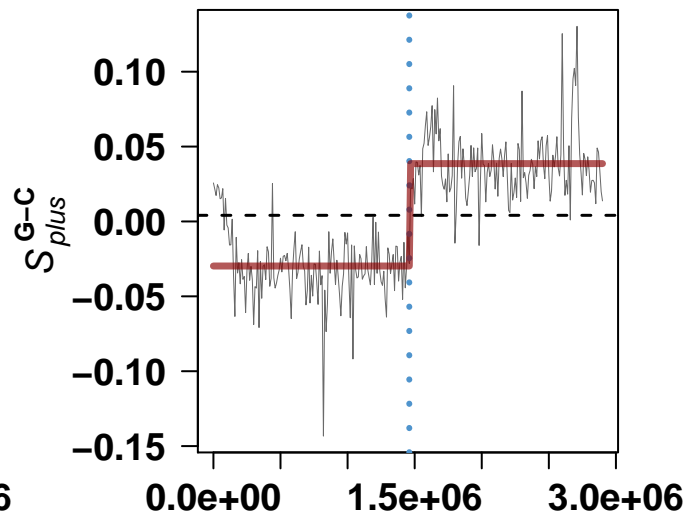


genome coordinates

Burkholderia thailandensis E264

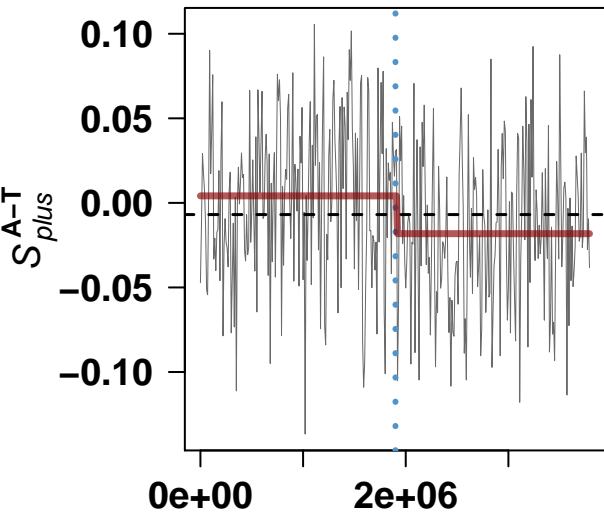


genome coordinates

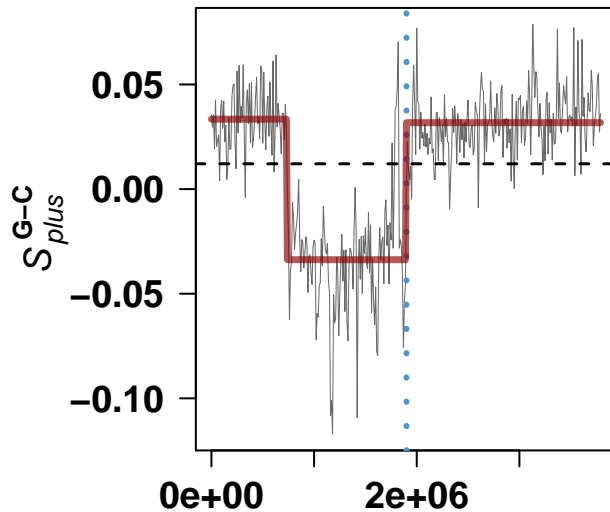


genome coordinates

Burkholderia thailandensis E264

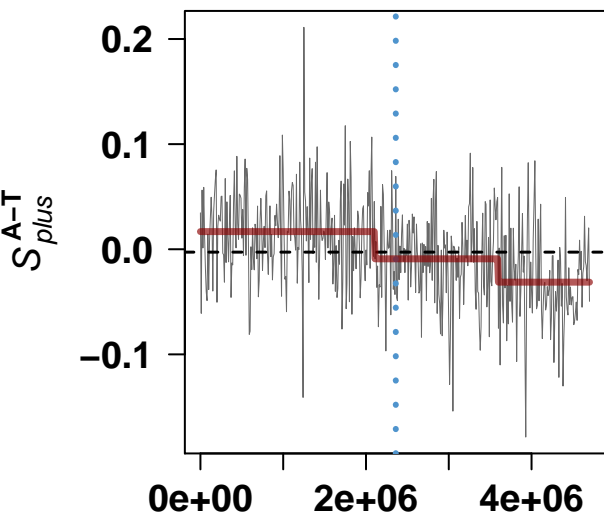


genome coordinates

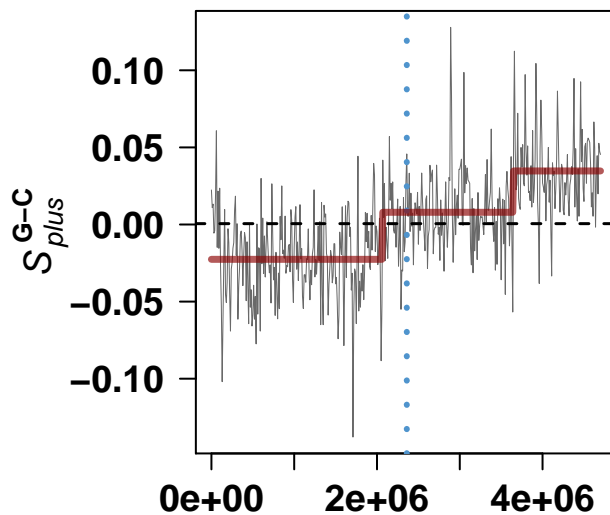


genome coordinates

Albidiferax ferrireducens T118

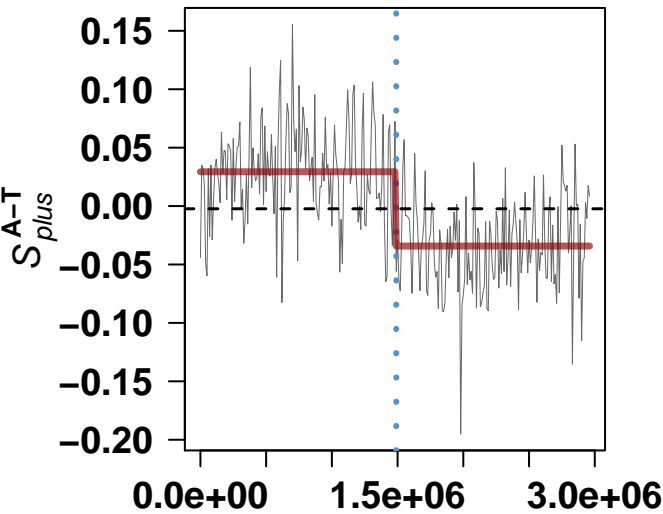


genome coordinates

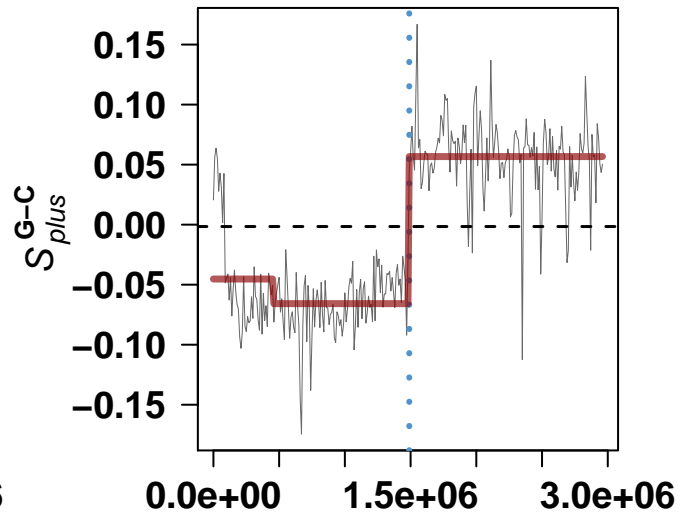


genome coordinates

Methylobacillus flagellatus KT

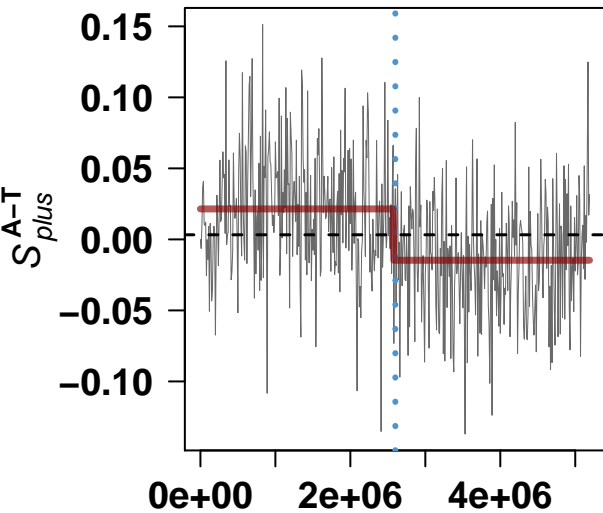


genome coordinates

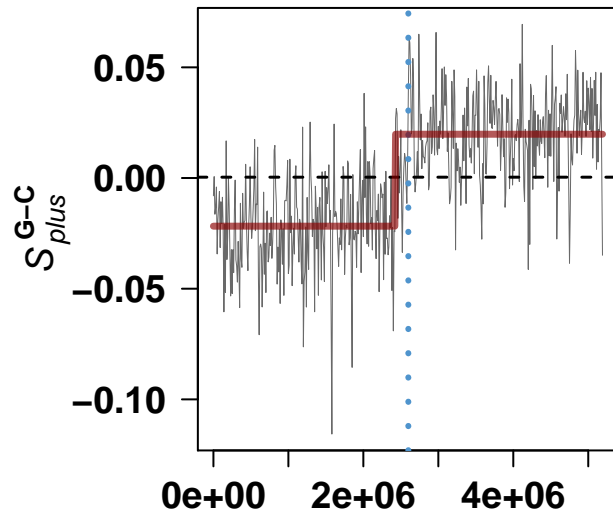


genome coordinates

Polaromonas sp. JS666

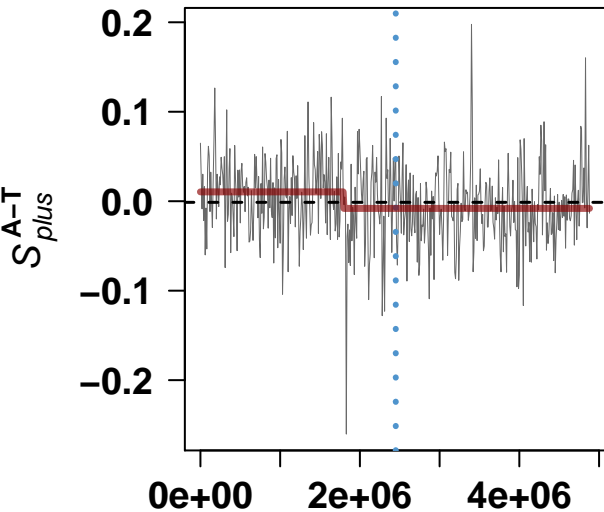


genome coordinates

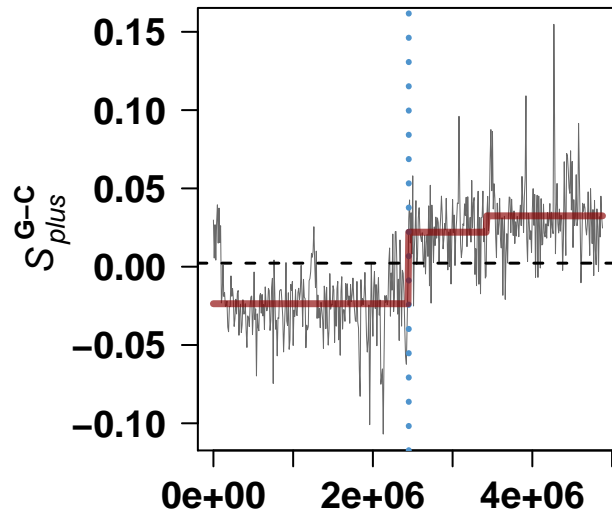


genome coordinates

Burkholderia xenovorans LB400

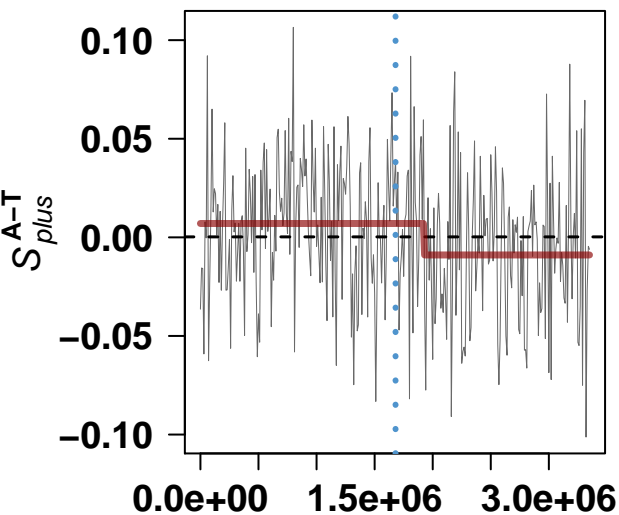


genome coordinates

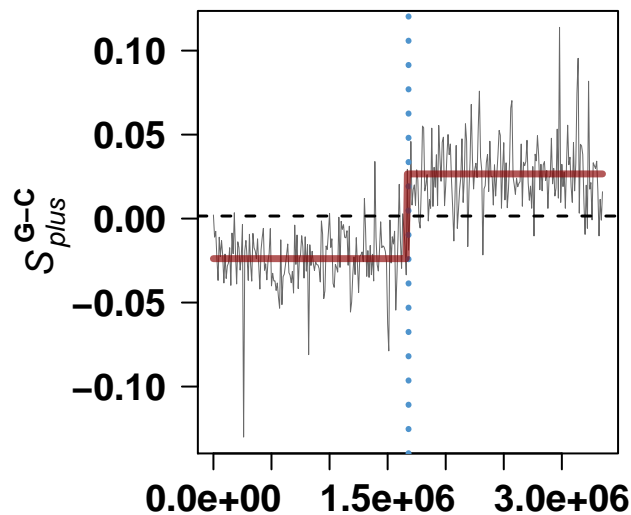


genome coordinates

Burkholderia xenovorans LB400

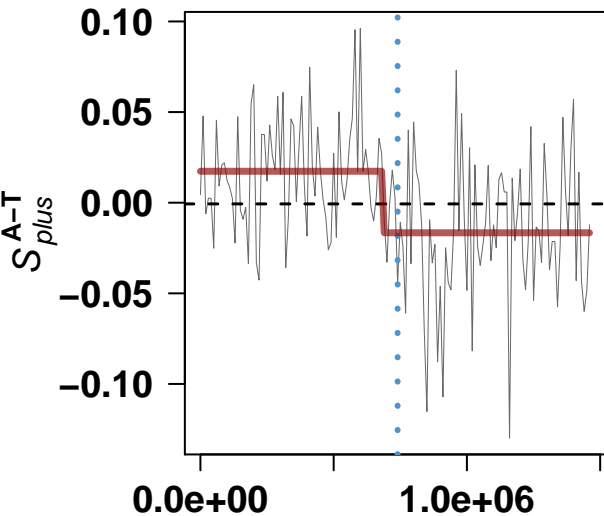


genome coordinates

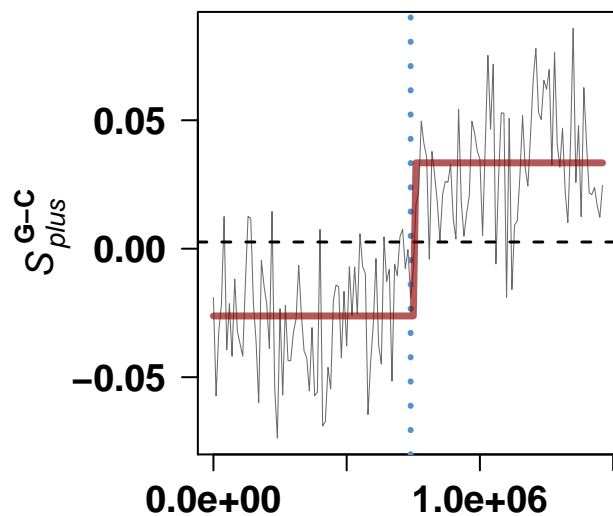


genome coordinates

Burkholderia xenovorans LB400

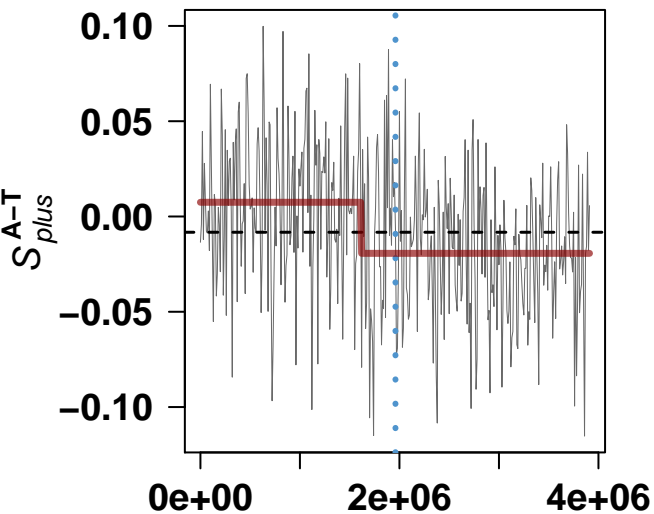


genome coordinates

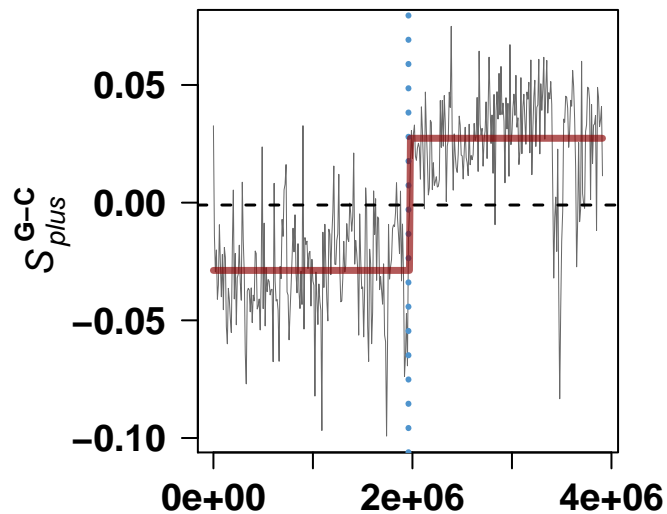


genome coordinates

Cupriavidus metallidurans CH34

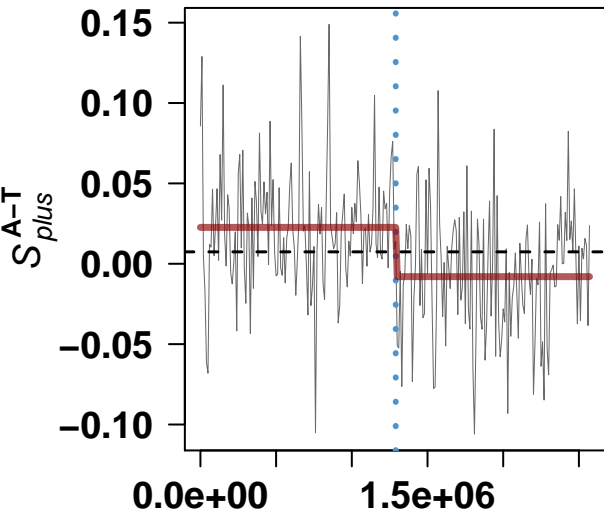


genome coordinates

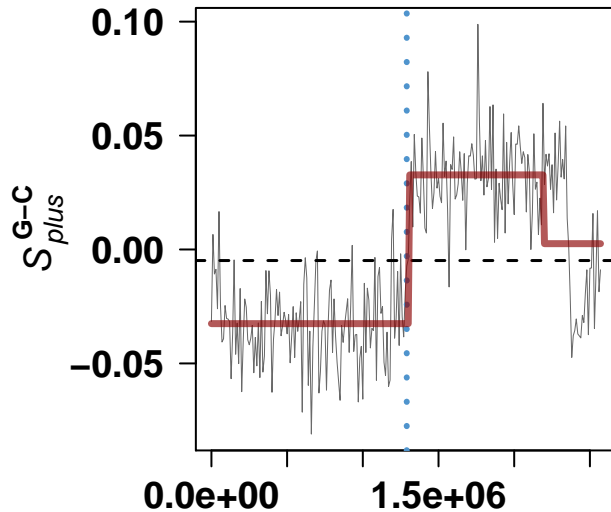


genome coordinates

Cupriavidus metallidurans CH34

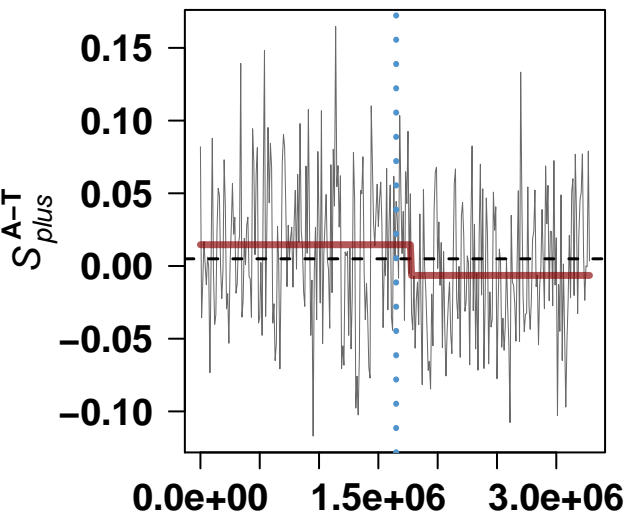


genome coordinates

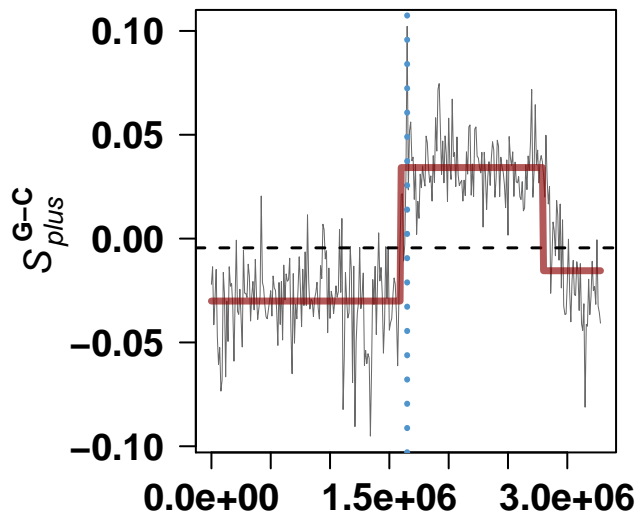


genome coordinates

Burkholderia cenocepacia AU 1054

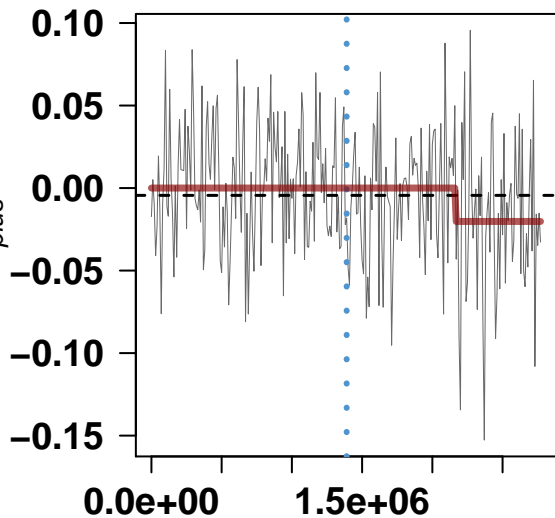


genome coordinates

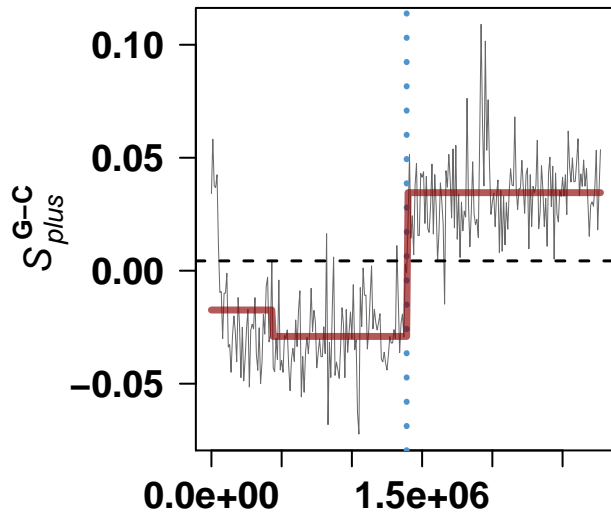


genome coordinates

Burkholderia cenocepacia AU 1054

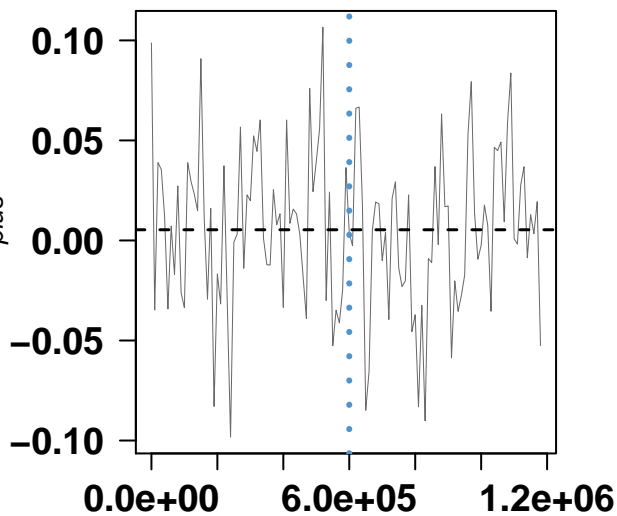


genome coordinates

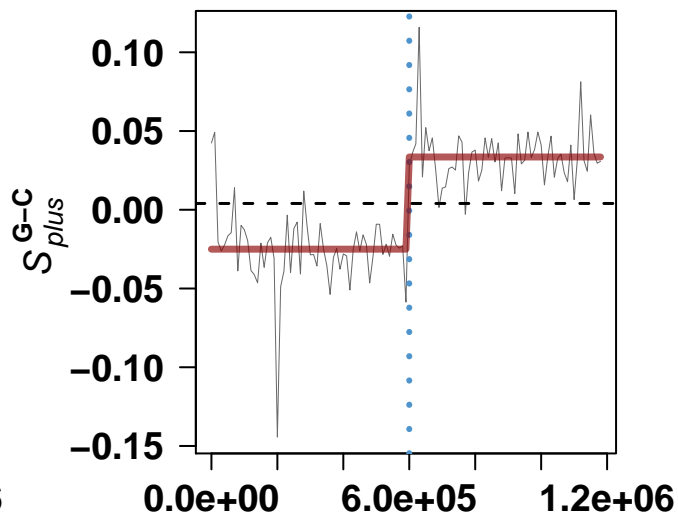


genome coordinates

Burkholderia cenocepacia AU 1054

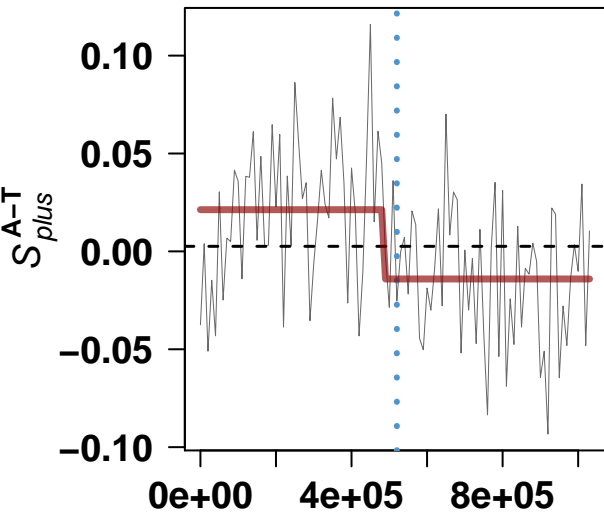


genome coordinates

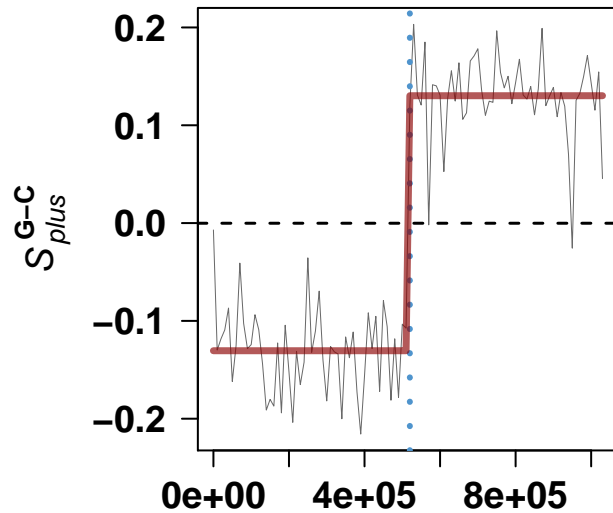


genome coordinates

Chlamydia trachomatis D/UW-3/CX

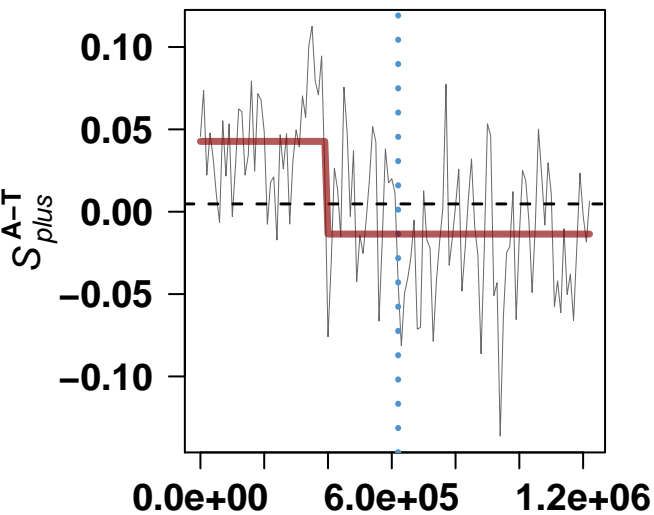


genome coordinates

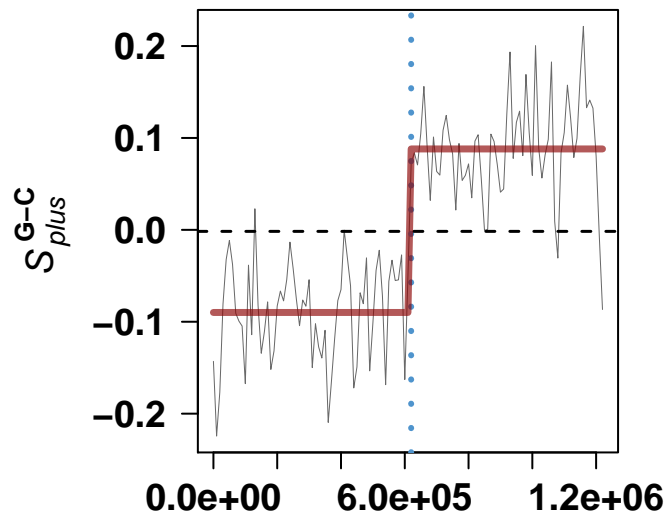


genome coordinates

Chlamydomphila pneumoniae CWL029

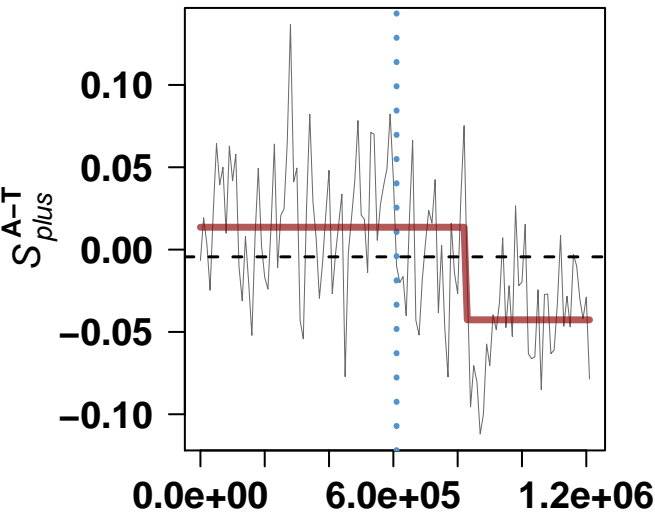


genome coordinates

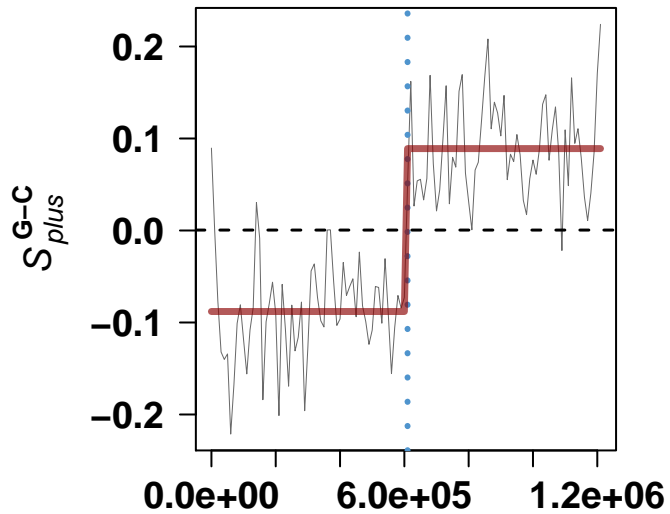


genome coordinates

Chlamydophila pneumoniae AR39

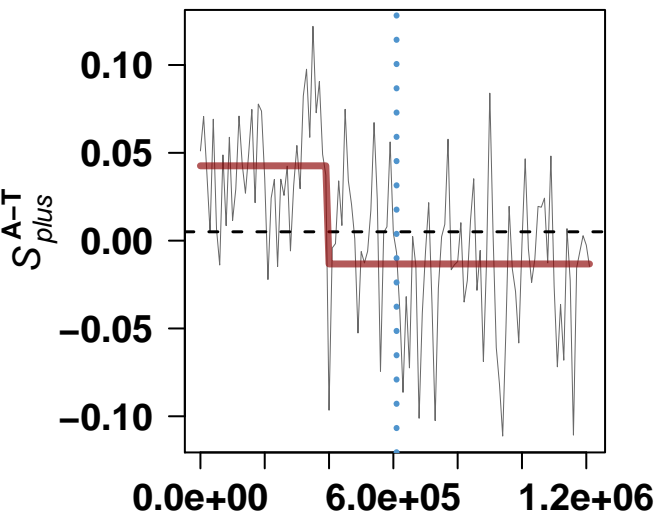


genome coordinates

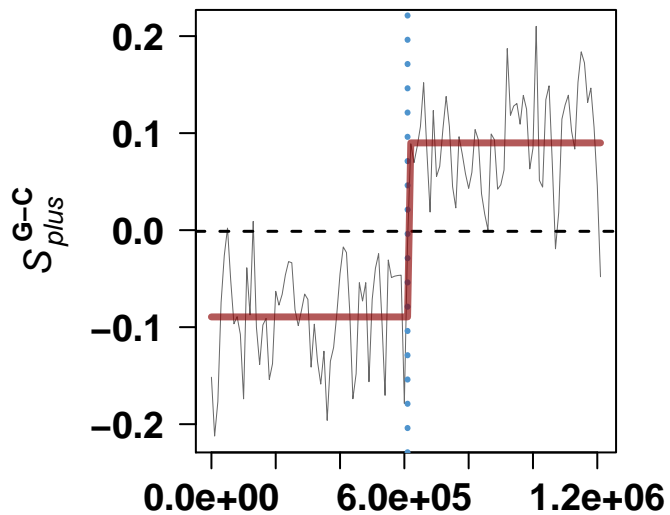


genome coordinates

Chlamydophila pneumoniae J138

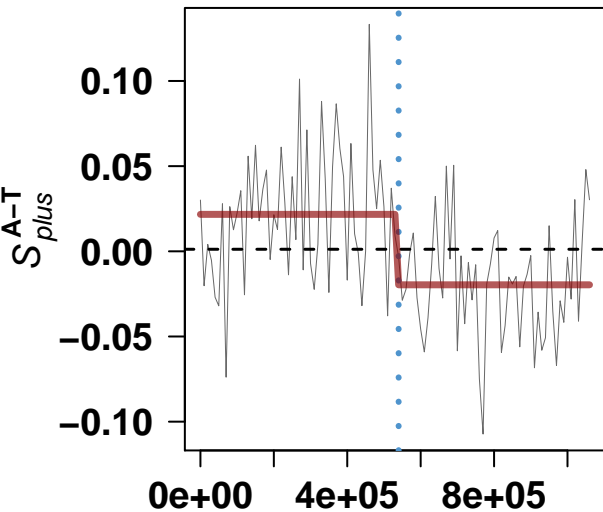


genome coordinates

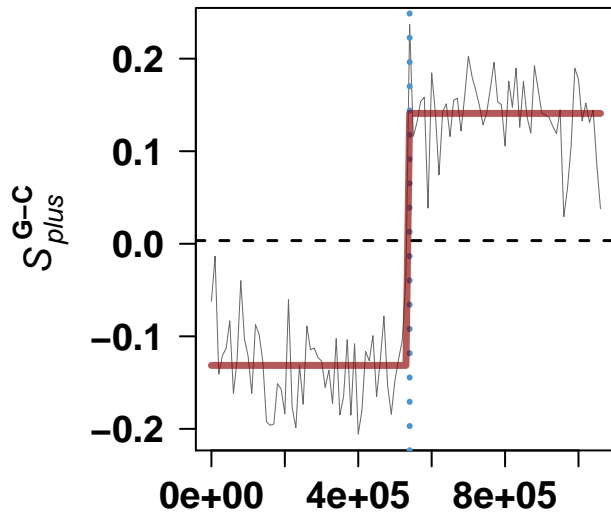


genome coordinates

Chlamydia muridarum str. Nigg

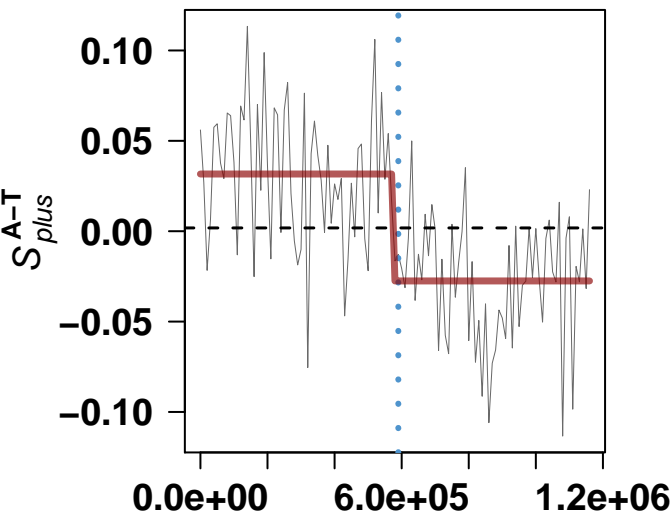


genome coordinates

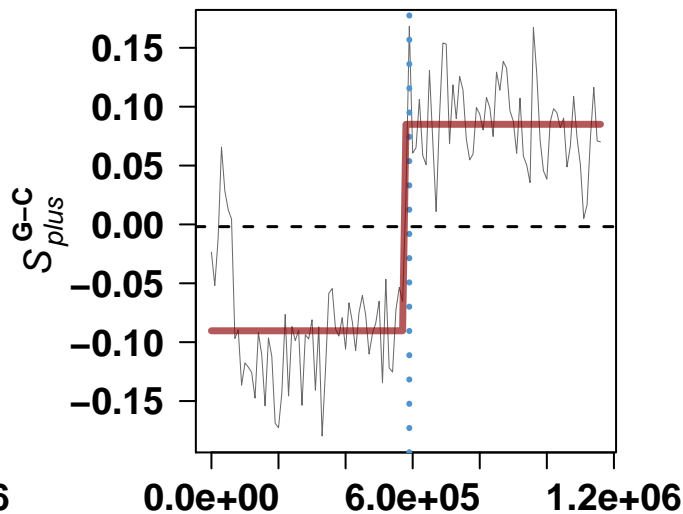


genome coordinates

Chlamydomphila caviae GPIC

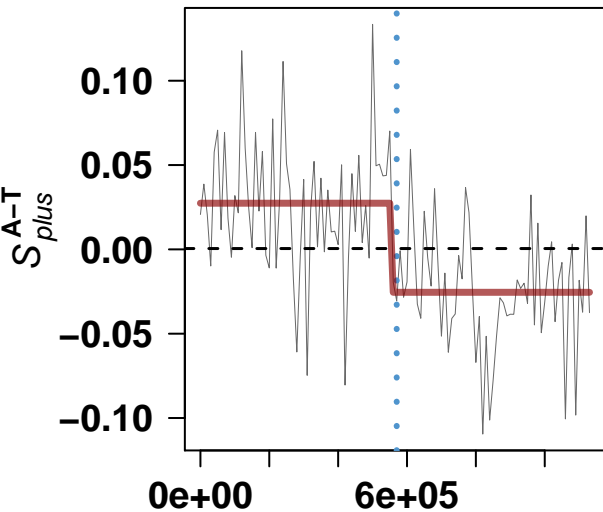


genome coordinates

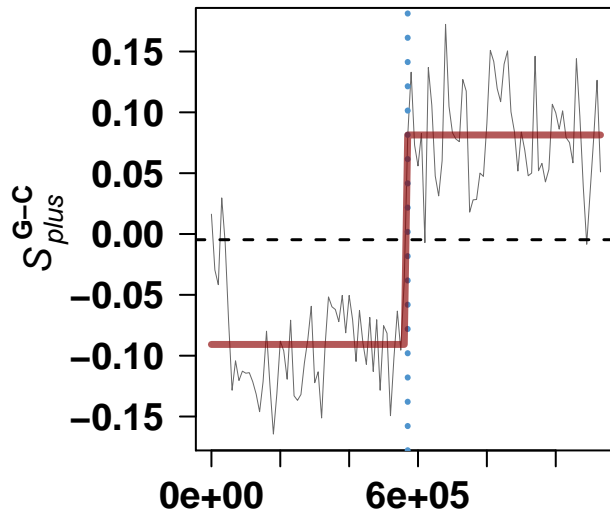


genome coordinates

Chlamydophila abortus S26/3

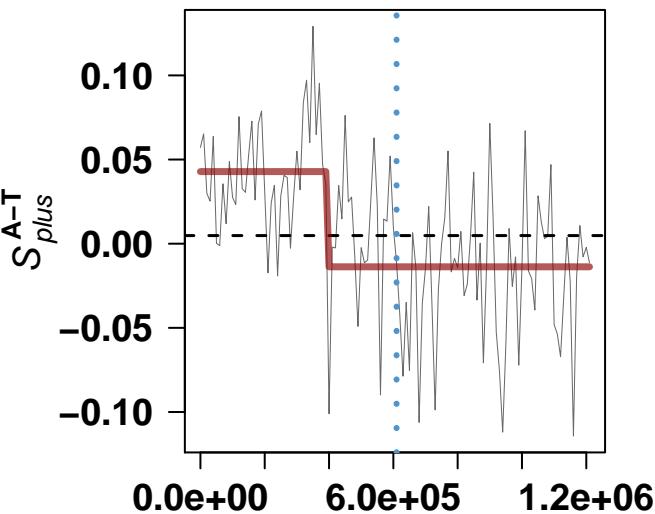


genome coordinates

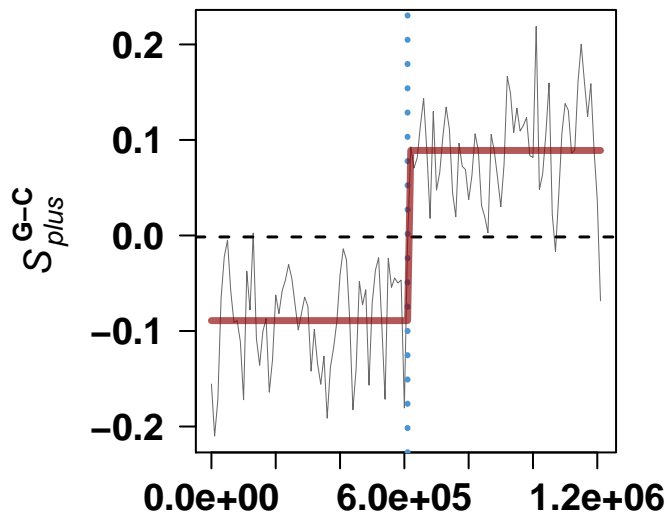


genome coordinates

Chlamydophila pneumoniae TW-183

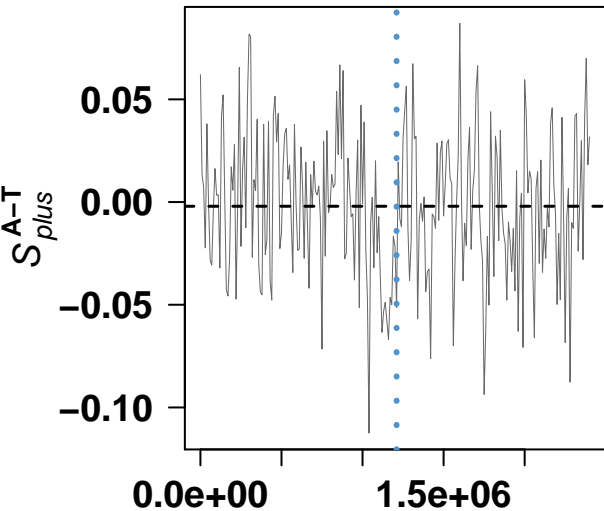


genome coordinates

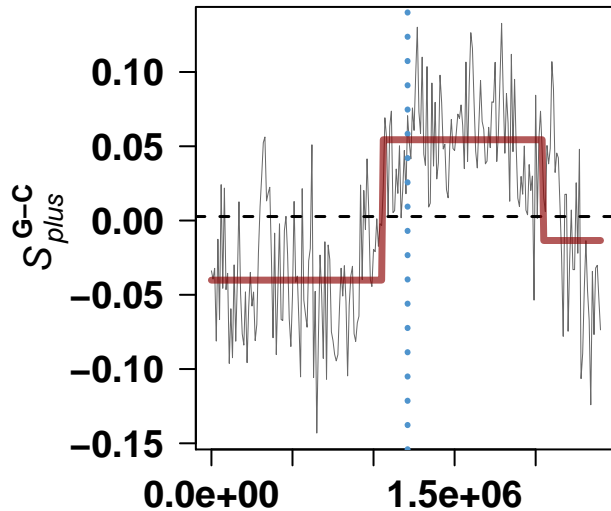


genome coordinates

Candidatus Protochlamydia amoebophila UWE25

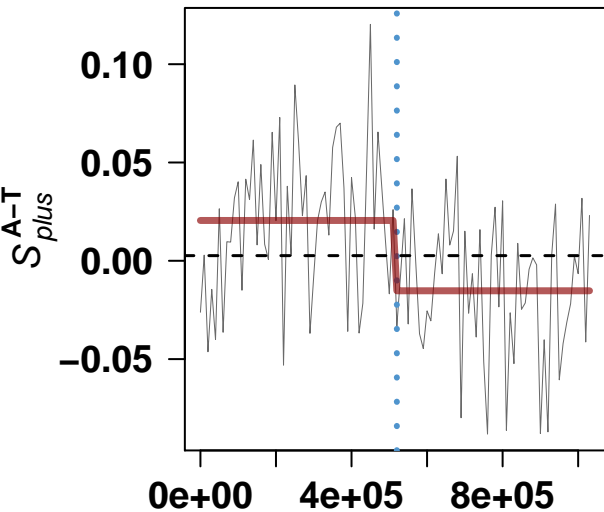


genome coordinates

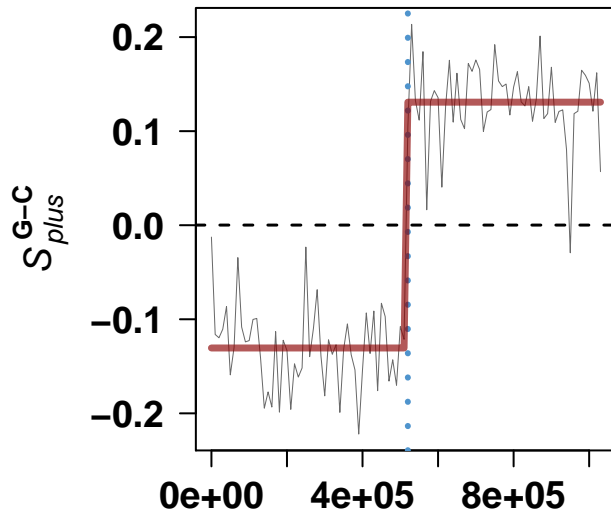


genome coordinates

Chlamydia trachomatis A/HAR-13

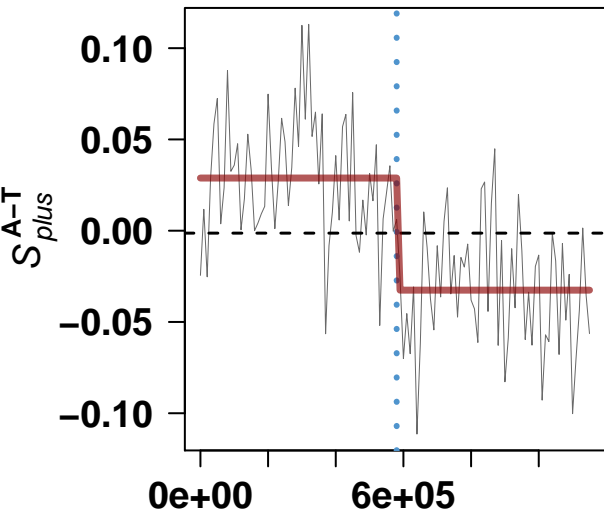


genome coordinates

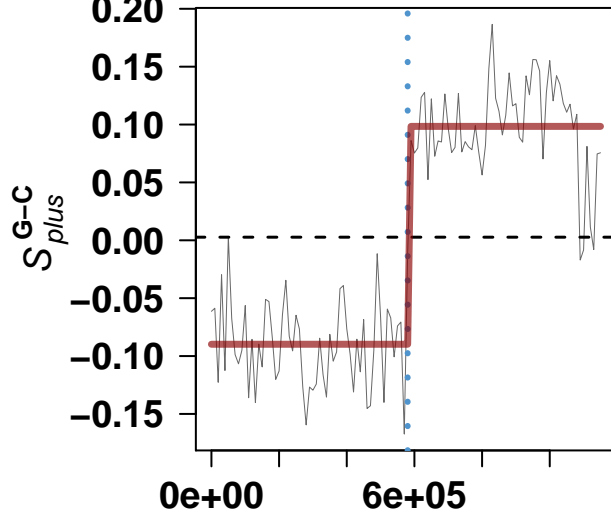


genome coordinates

Chlamydomophila felis Fe/C-56

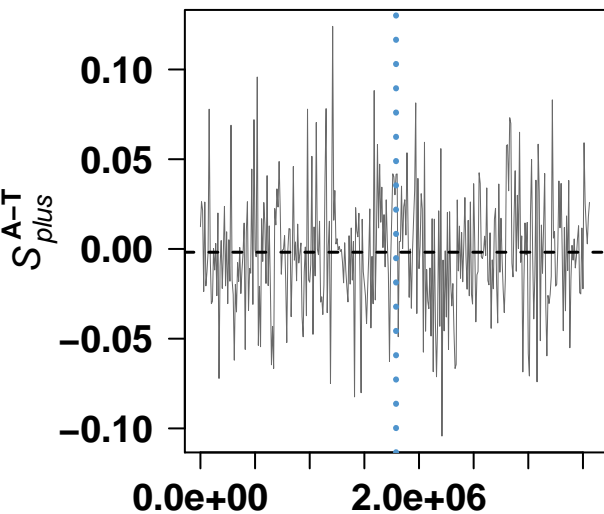


genome coordinates

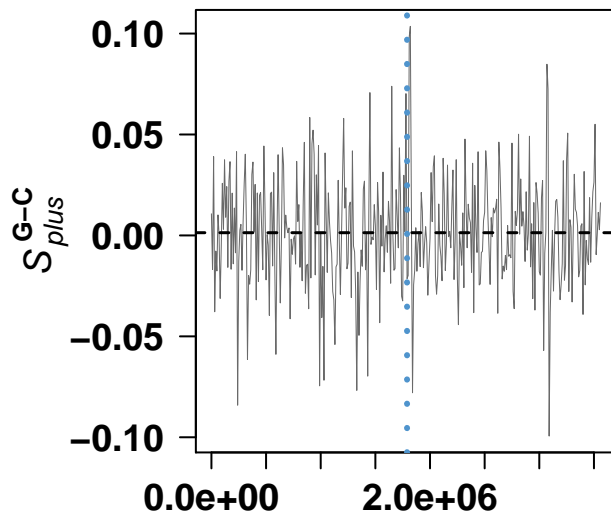


genome coordinates

Synechocystis sp. PCC 6803

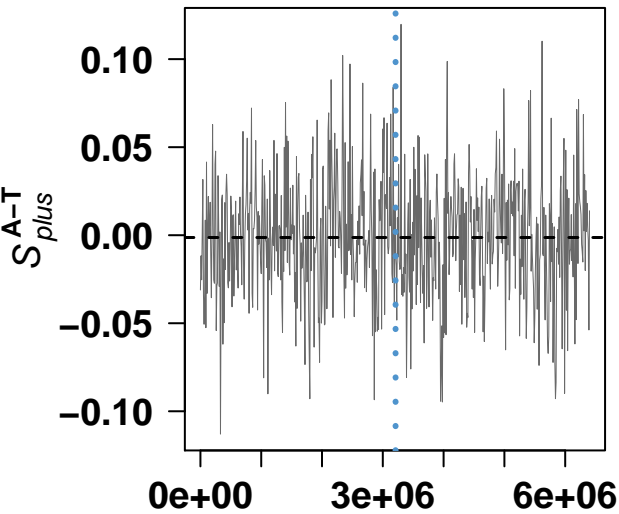


genome coordinates

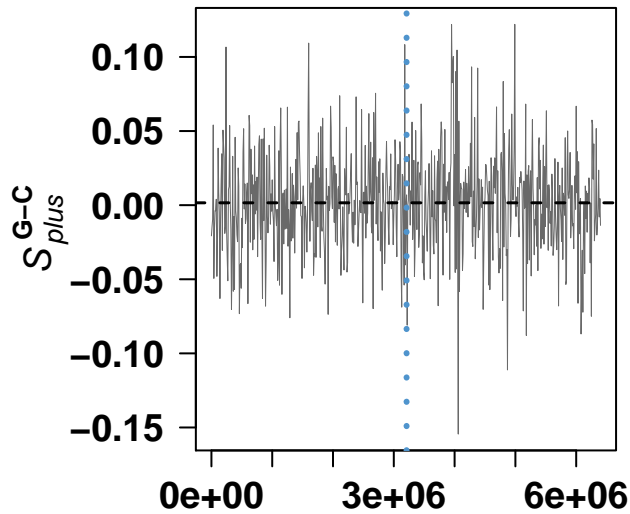


genome coordinates

Nostoc sp. PCC 7120

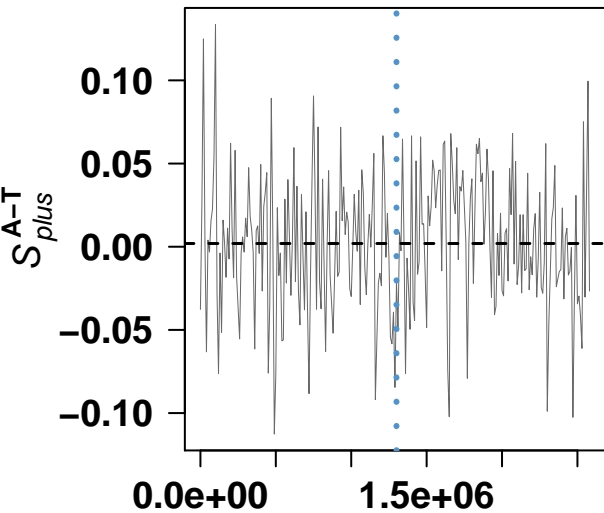


genome coordinates

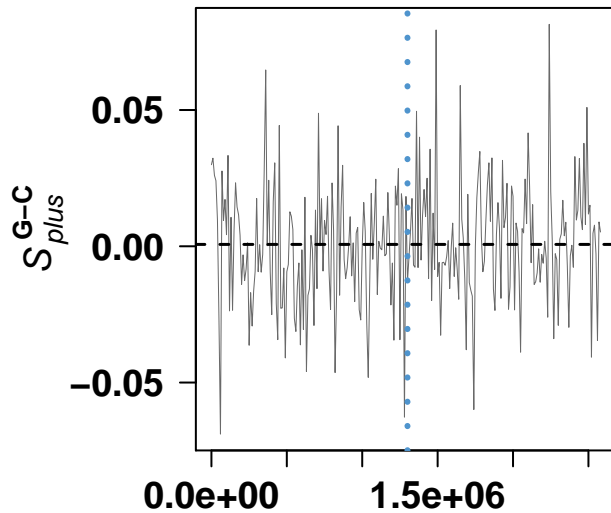


genome coordinates

Thermosynechococcus elongatus BP-1

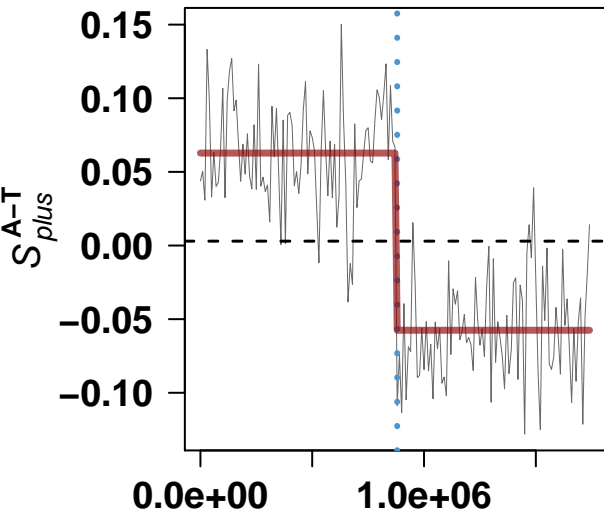


genome coordinates

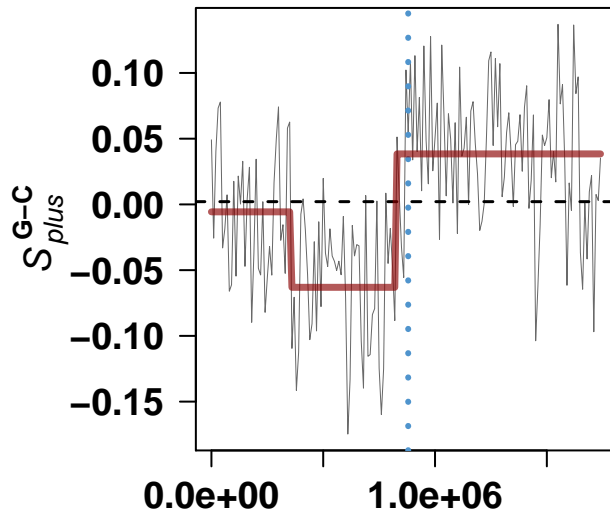


genome coordinates

Prochlorococcus marinus subsp. marinus str. CCMP1375

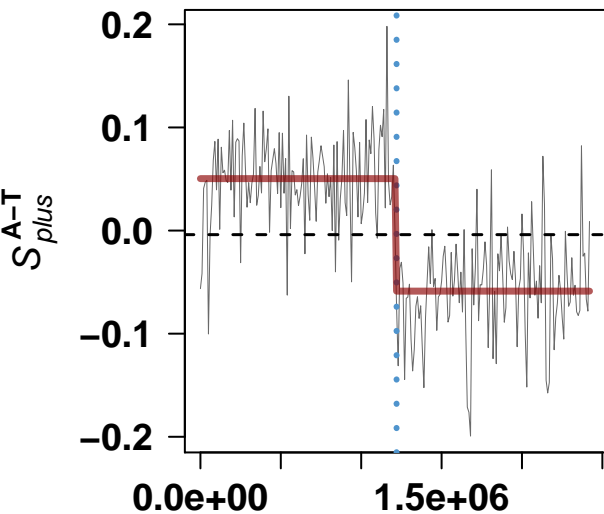


genome coordinates

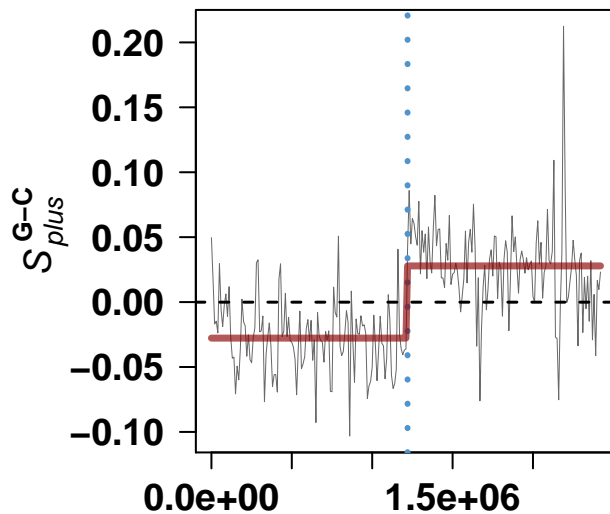


genome coordinates

Synechococcus sp. WH 8102

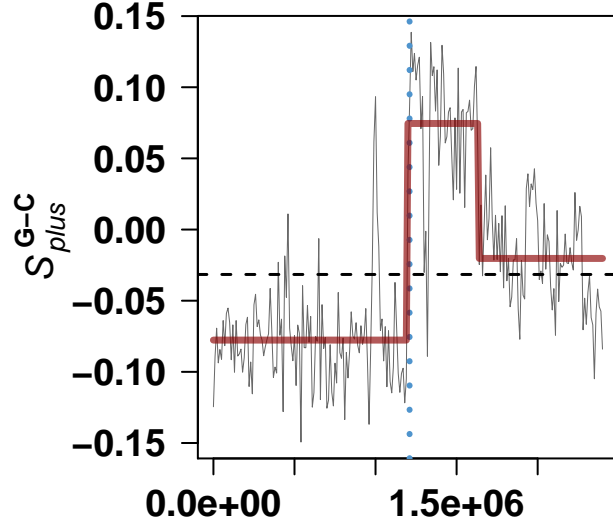
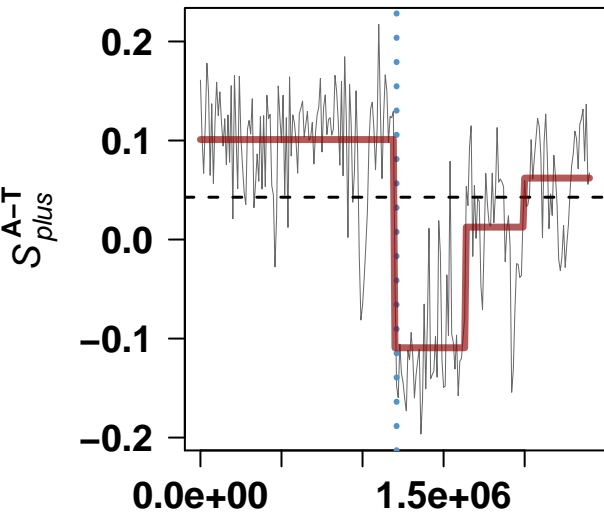


genome coordinates



genome coordinates

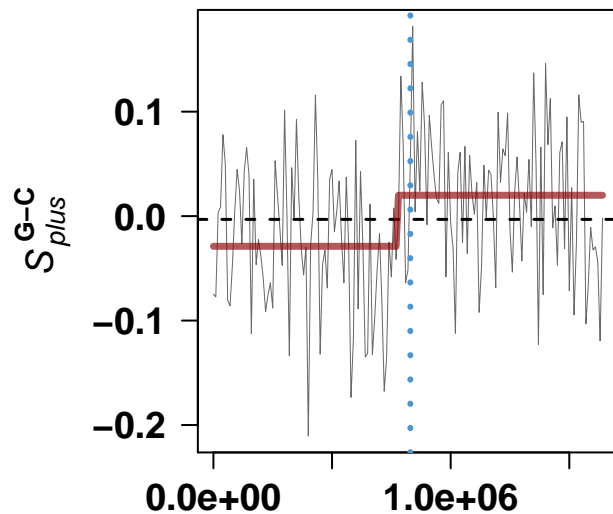
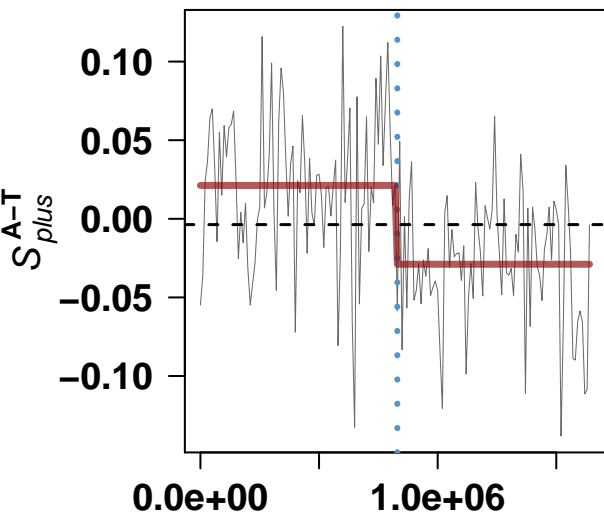
Prochlorococcus marinus str. MIT 9313



genome coordinates

genome coordinates

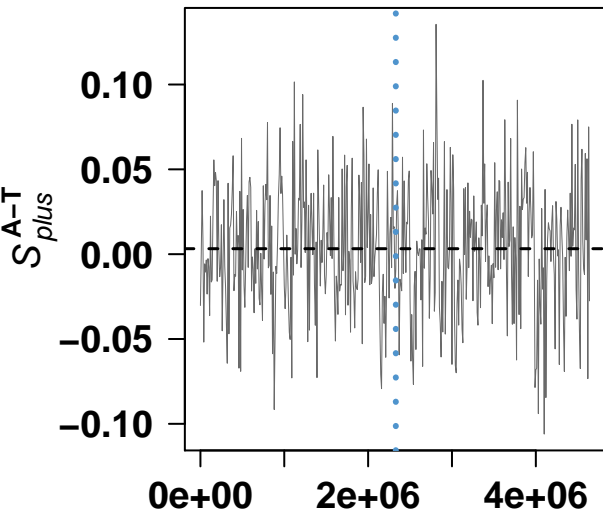
Prochlorococcus marinus subsp. pastoris str. CCMP1986



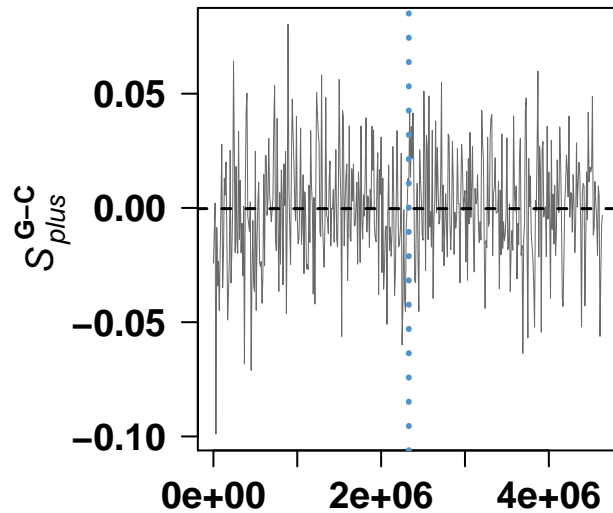
genome coordinates

genome coordinates

Gloeobacter violaceus PCC 7421

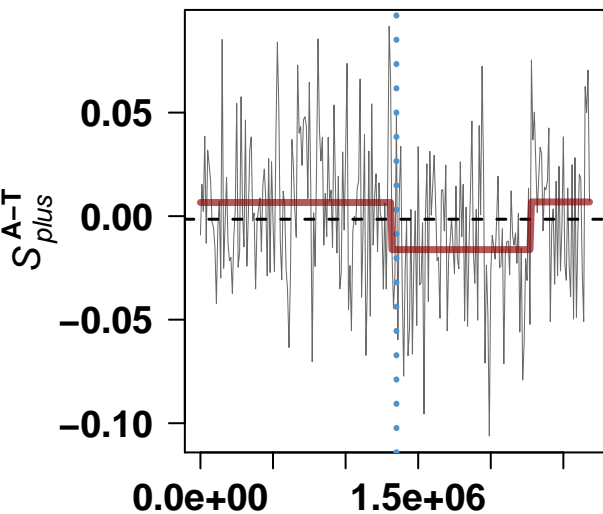


genome coordinates

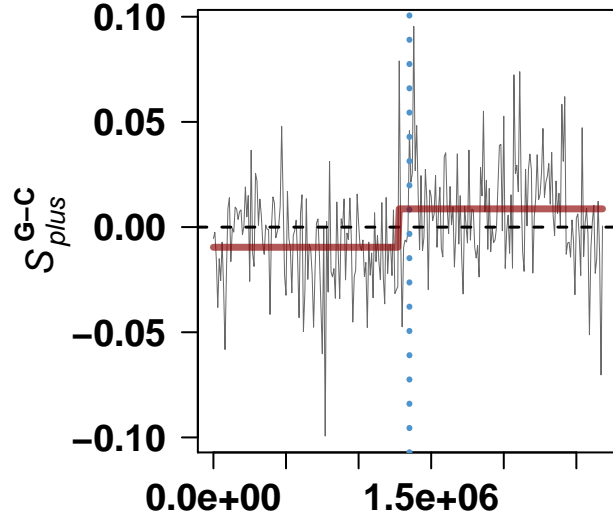


genome coordinates

Synechococcus elongatus PCC 6301

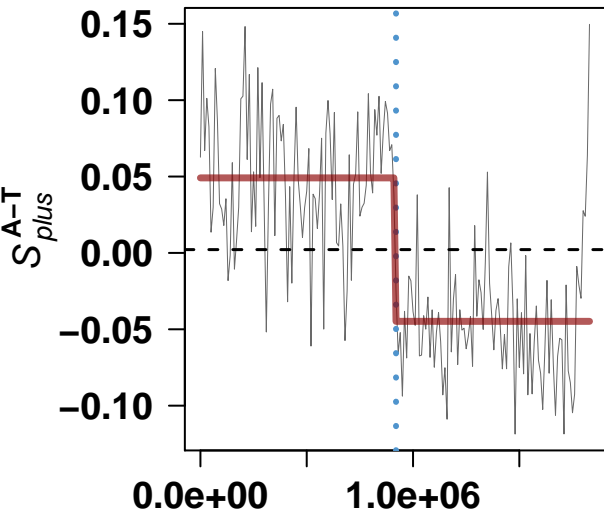


genome coordinates

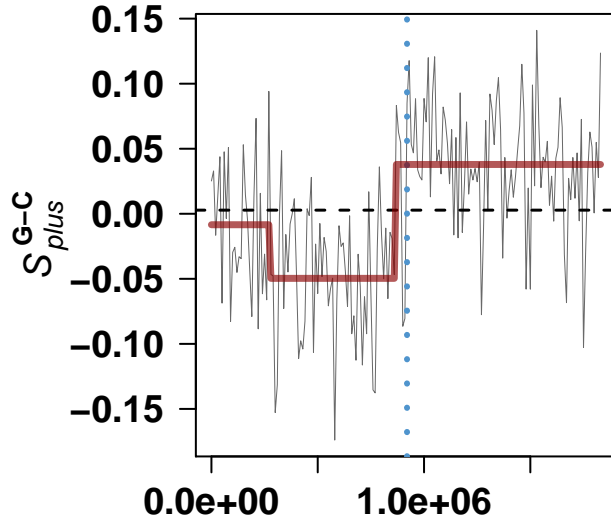


genome coordinates

Prochlorococcus marinus str. NATL2A

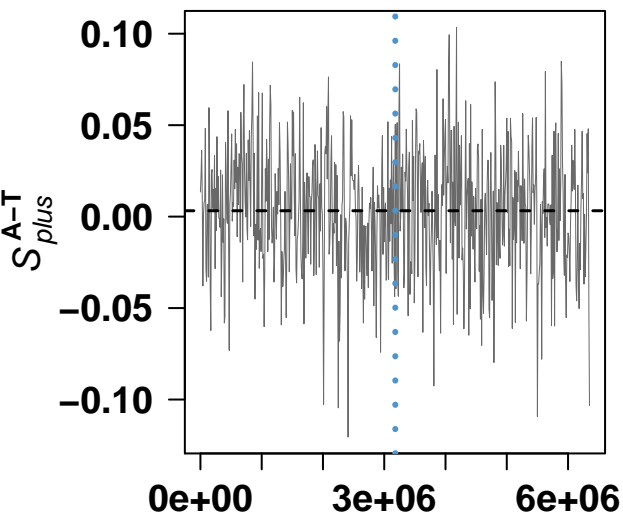


genome coordinates

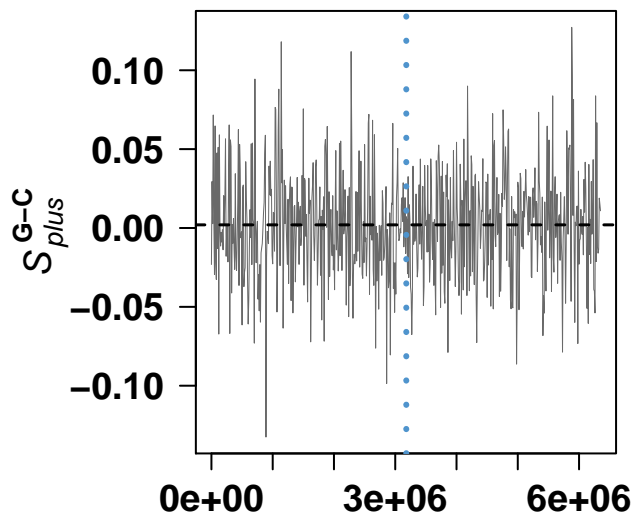


genome coordinates

Anabaena variabilis ATCC 29413

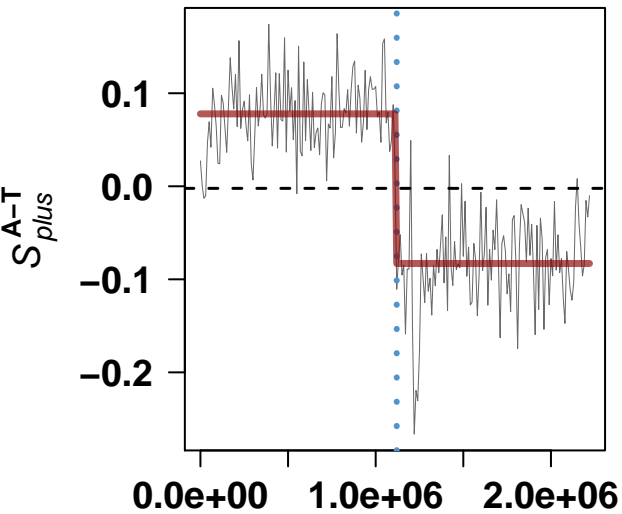


genome coordinates

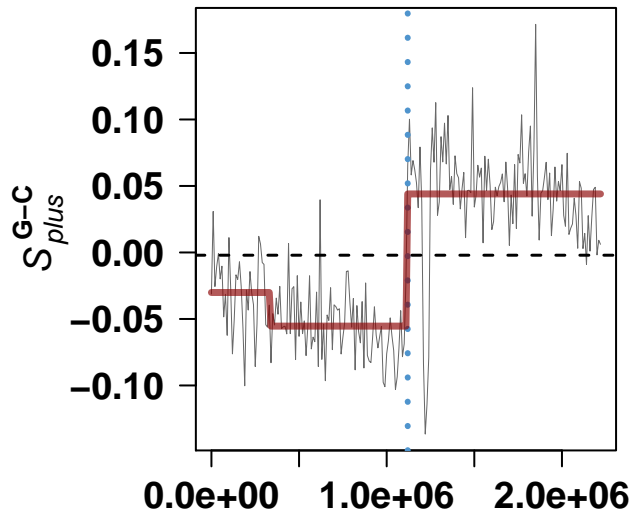


genome coordinates

Synechococcus sp. CC9902

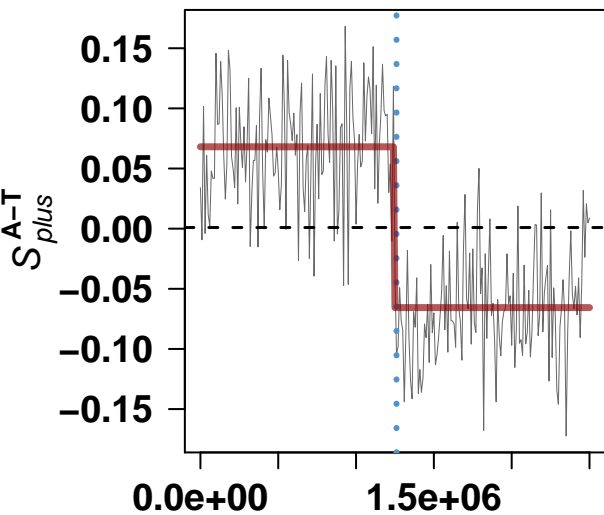


genome coordinates

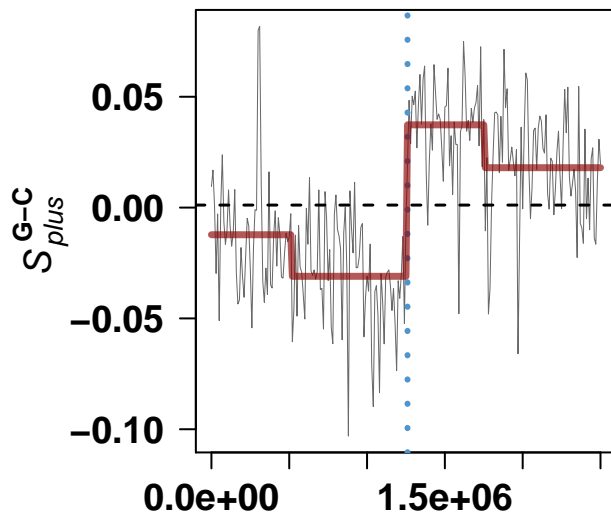


genome coordinates

Synechococcus sp. CC9605

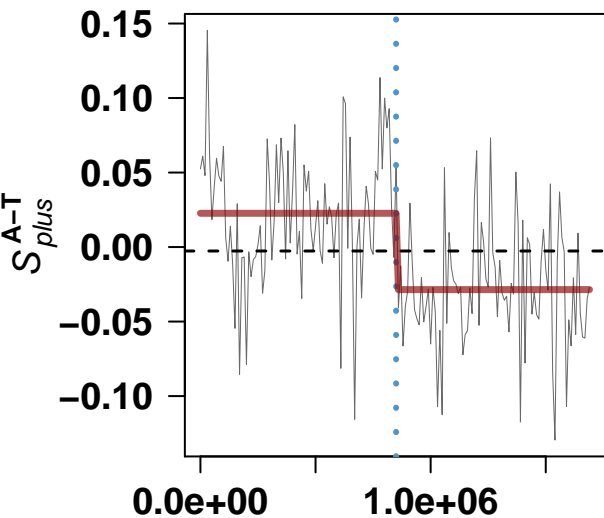


genome coordinates

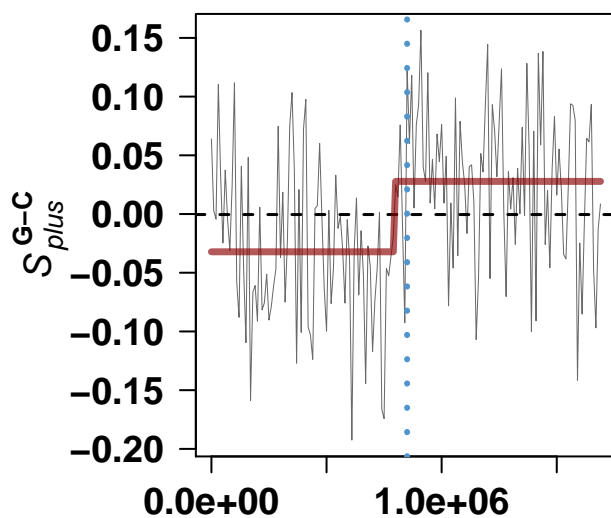


genome coordinates

Prochlorococcus marinus str. MIT 9312

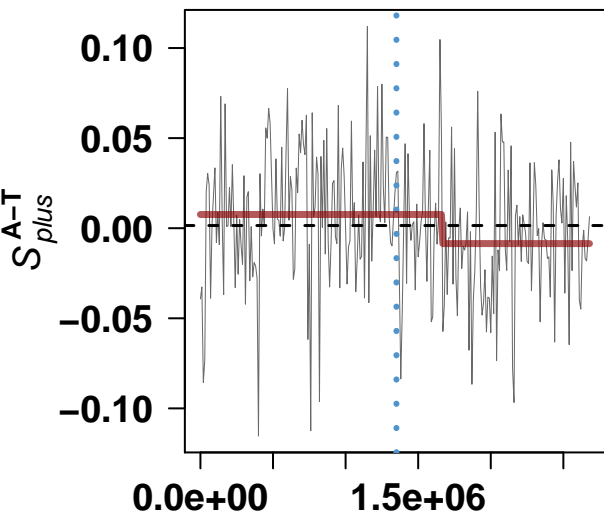


genome coordinates

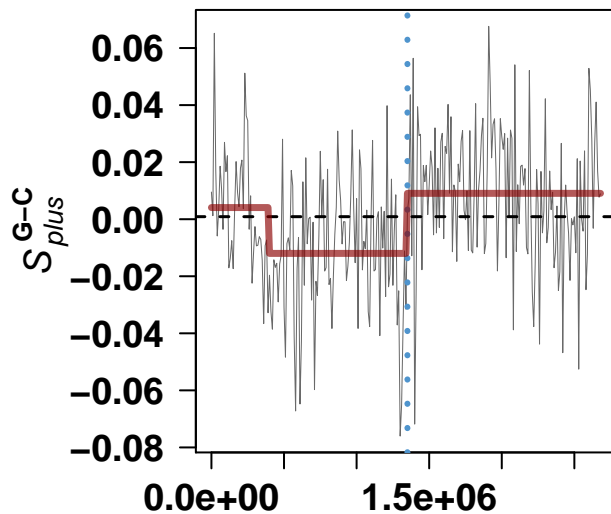


genome coordinates

Synechococcus elongatus PCC 7942

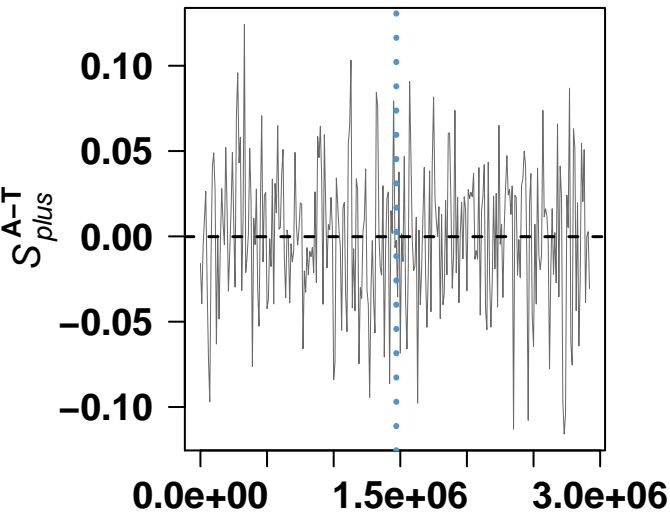


genome coordinates

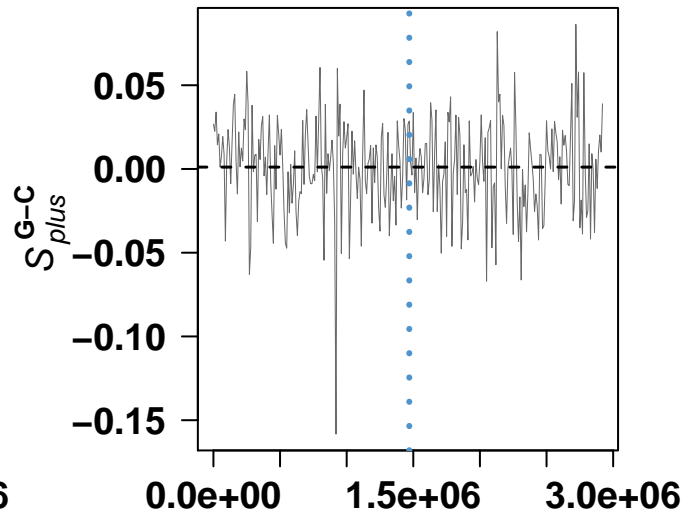


genome coordinates

Synechococcus sp. JA-3-3Ab

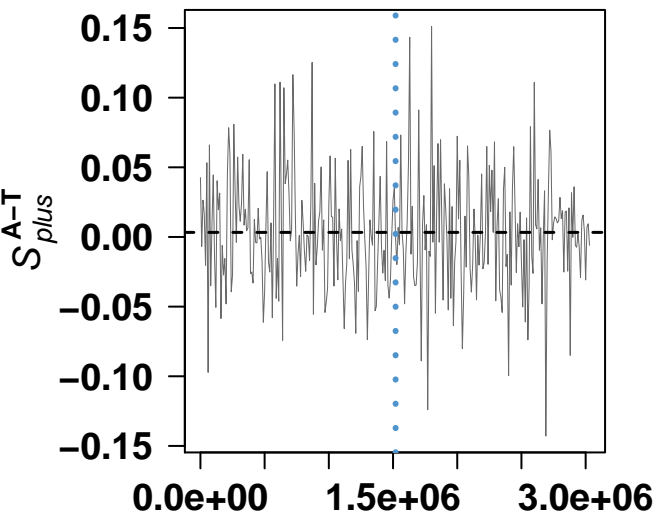


genome coordinates

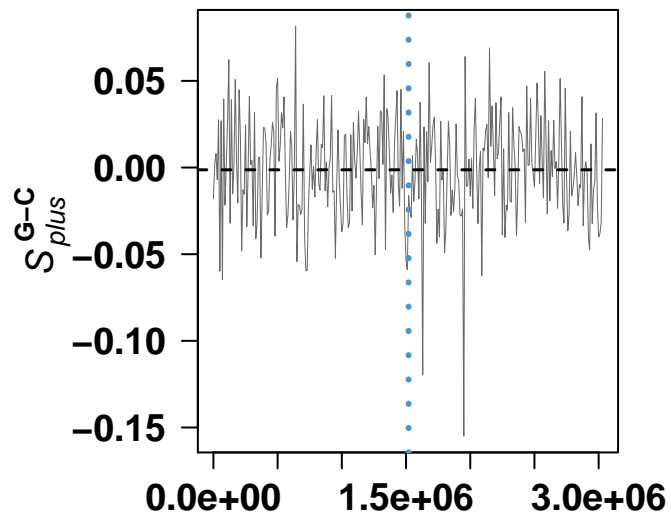


genome coordinates

Synechococcus sp. JA-2-3B'a(2-13)

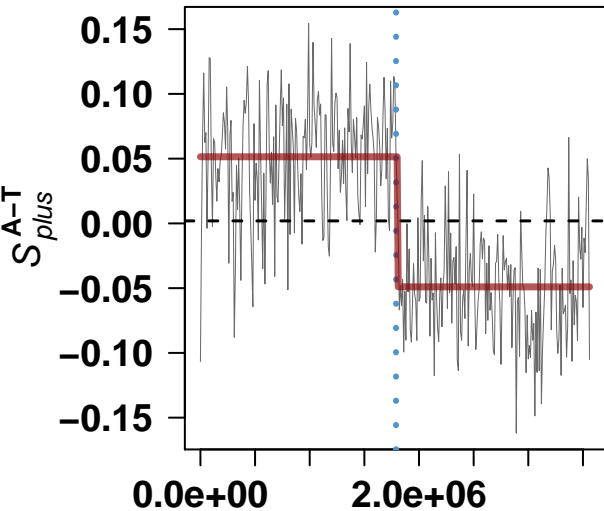


genome coordinates

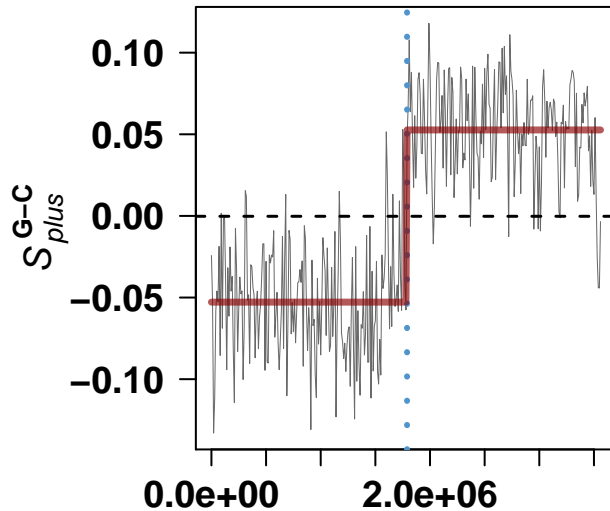


genome coordinates

Desulfovibrio vulgaris str. Hildenborough

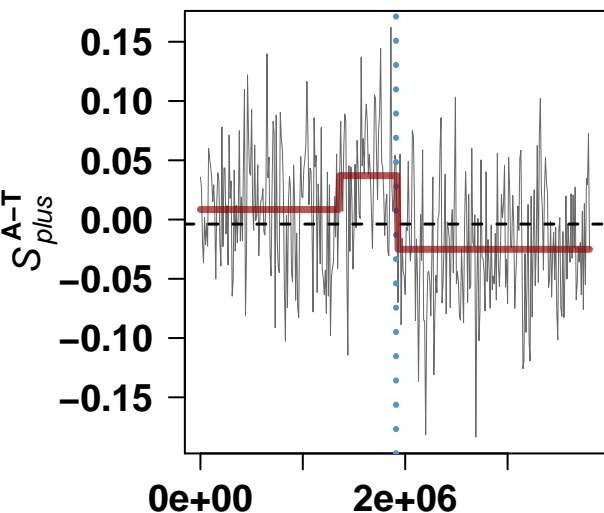


genome coordinates

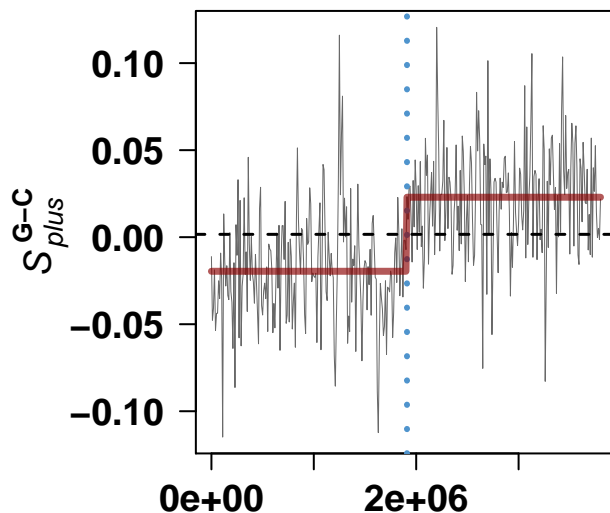


genome coordinates

Geobacter sulfurreducens PCA

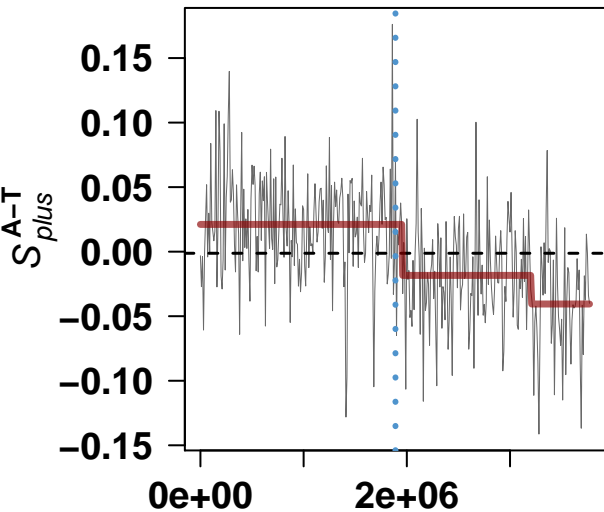


genome coordinates

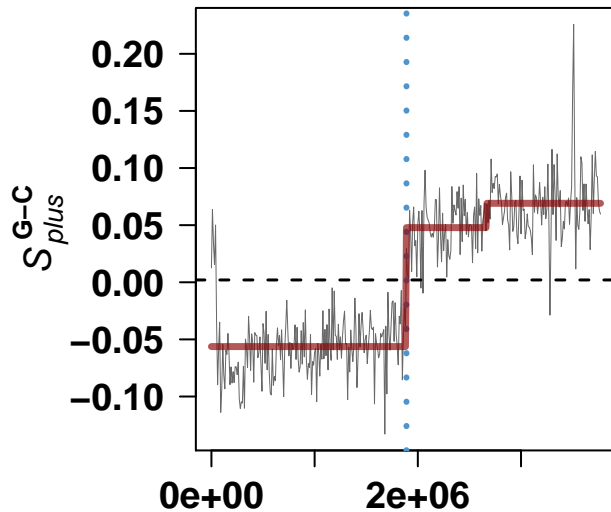


genome coordinates

Bdellovibrio bacteriovorus HD100

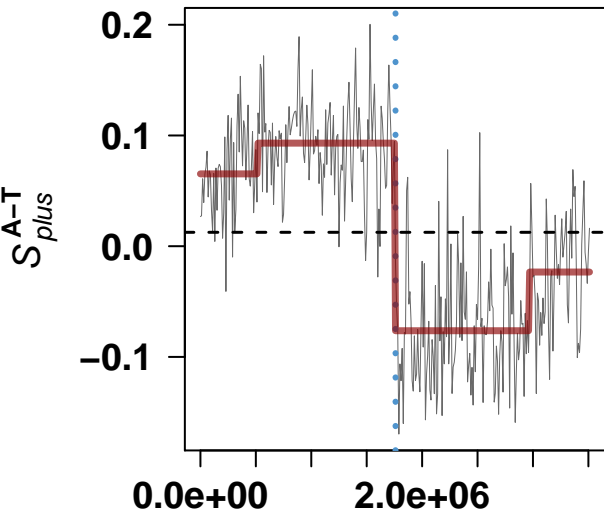


genome coordinates

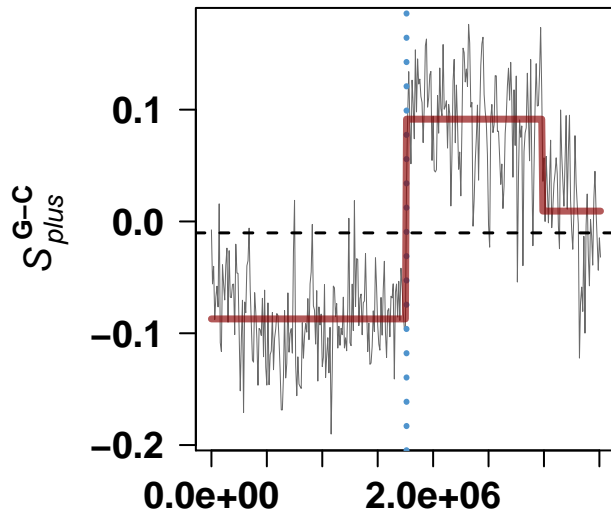


genome coordinates

Desulfotalea psychrophila LSv54

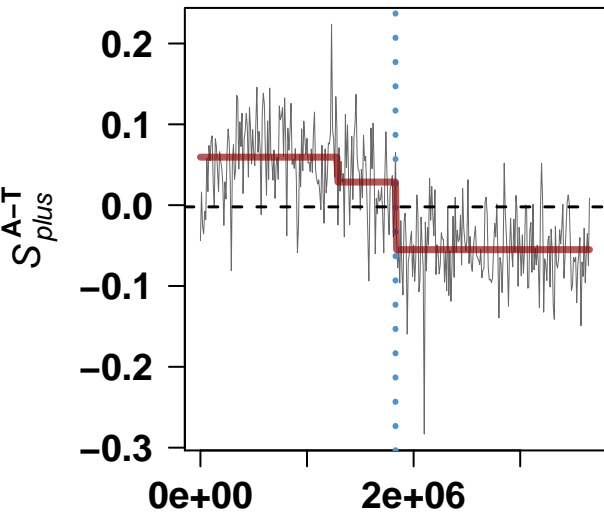


genome coordinates

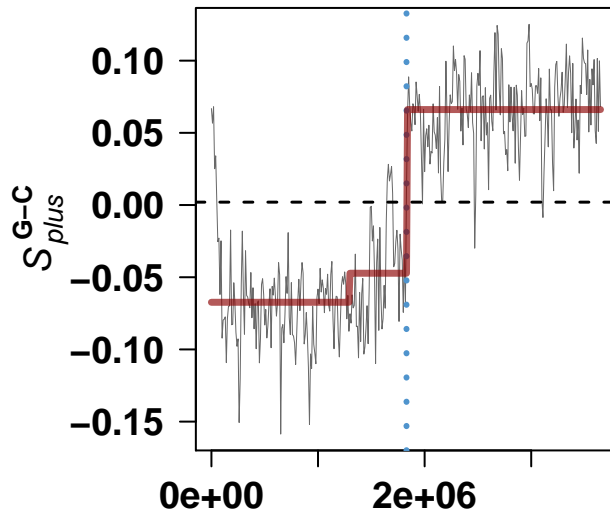


genome coordinates

Pelobacter carbinolicus DSM 2380

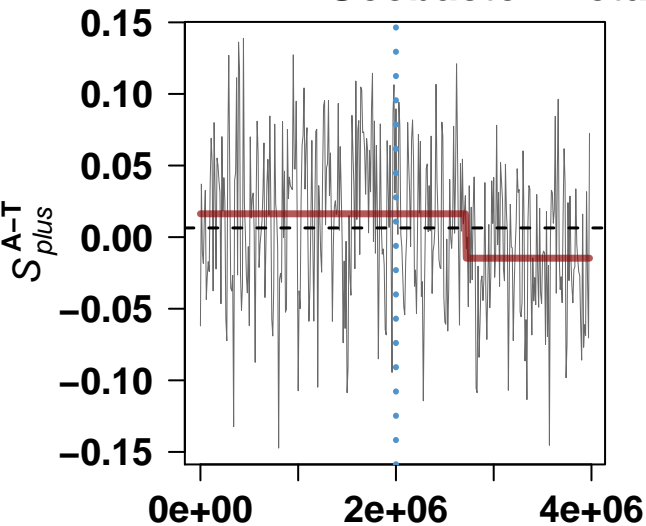


genome coordinates

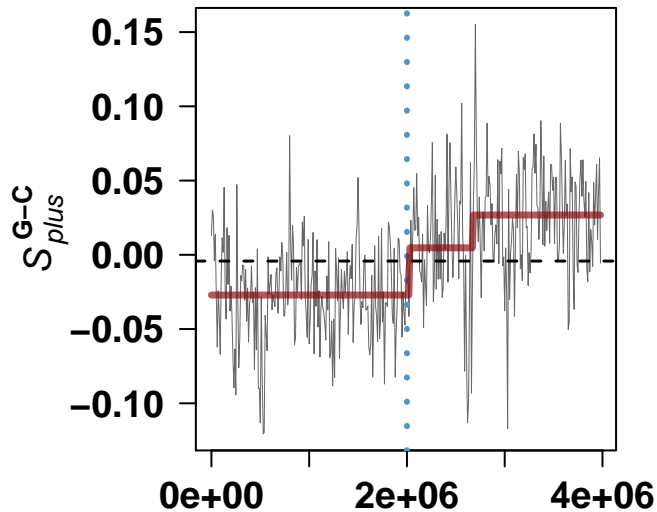


genome coordinates

Geobacter metallireducens GS-15

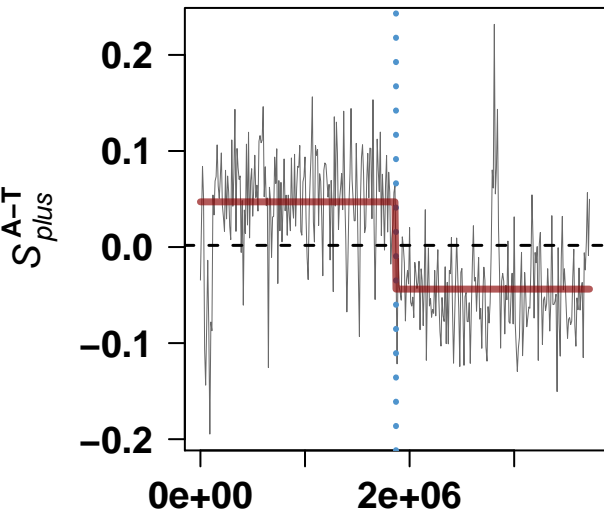


genome coordinates

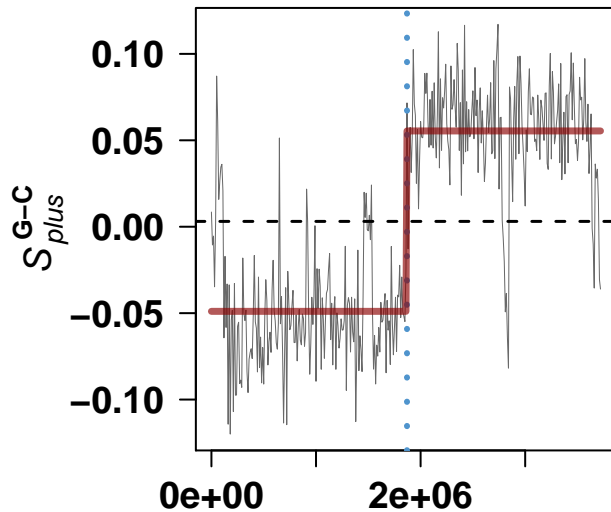


genome coordinates

Desulfovibrio alaskensis G20

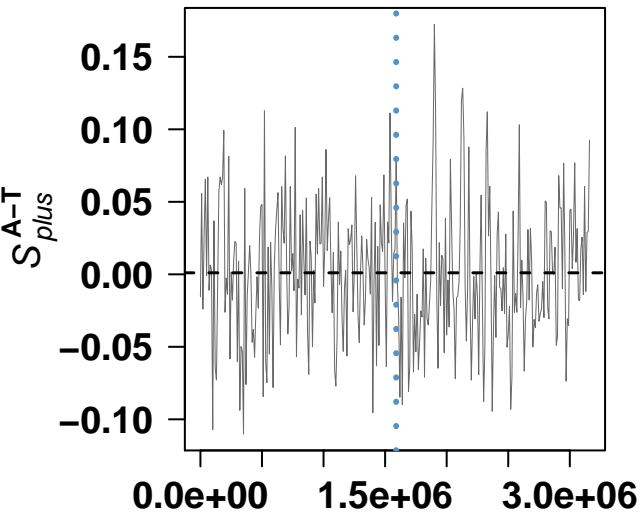


genome coordinates

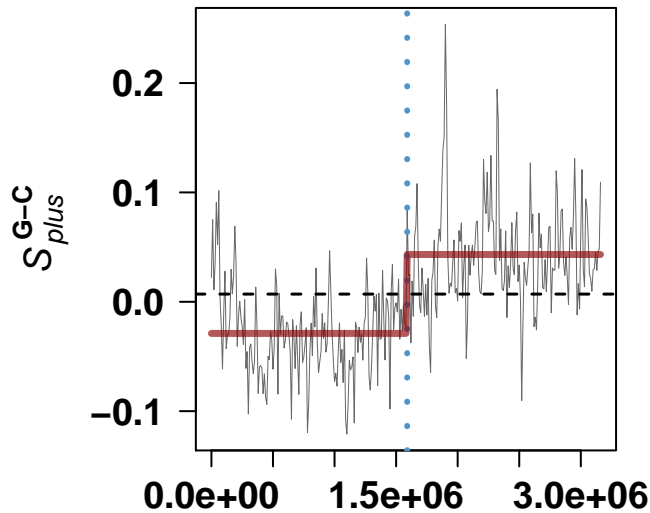


genome coordinates

Syntrophus aciditrophicus SB

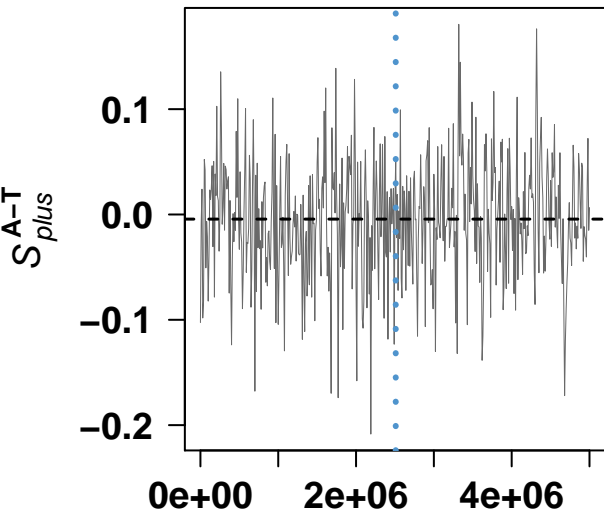


genome coordinates

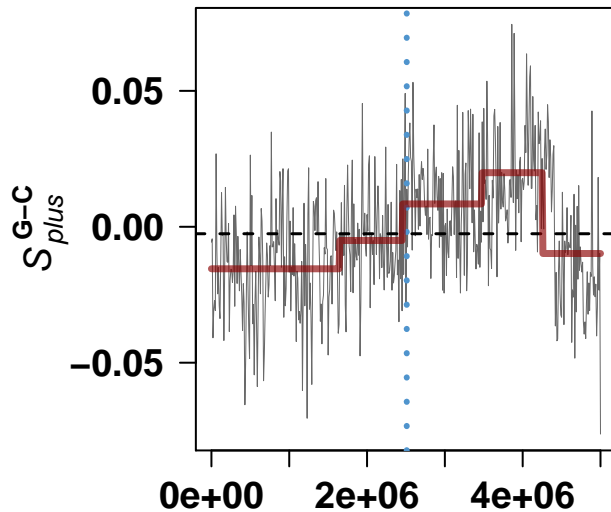


genome coordinates

Anaeromyxobacter dehalogenans 2CP-C

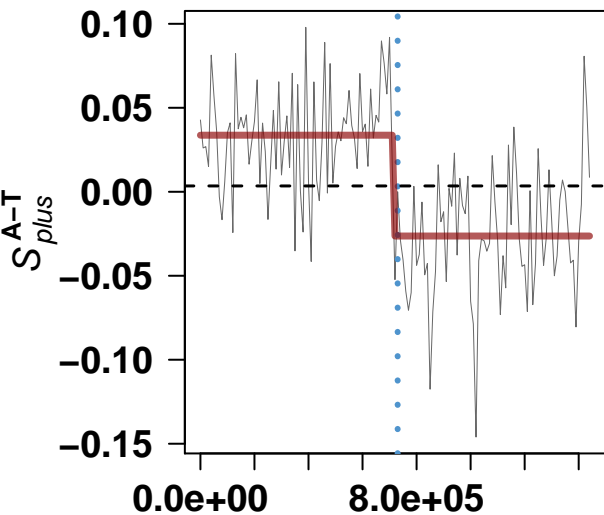


genome coordinates

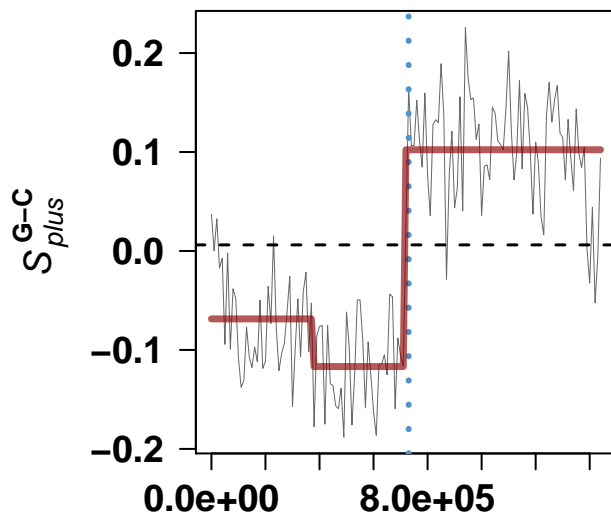


genome coordinates

Lawsonia intracellularis PHE/MN1-00

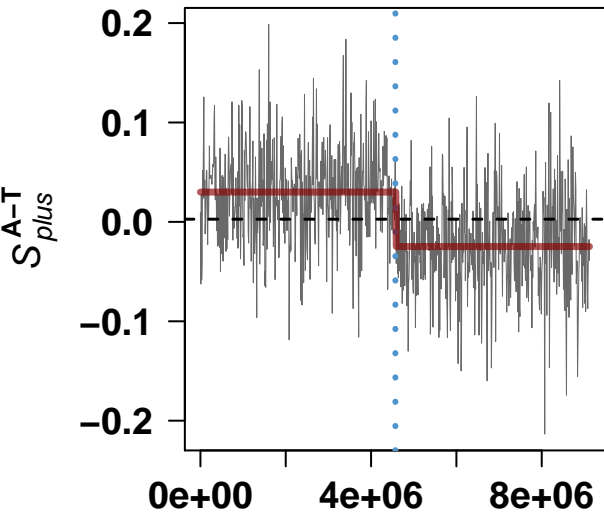


genome coordinates

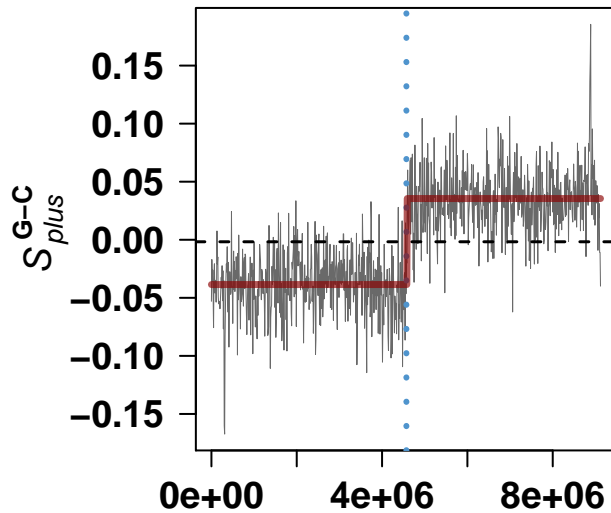


genome coordinates

Myxococcus xanthus DK 1622

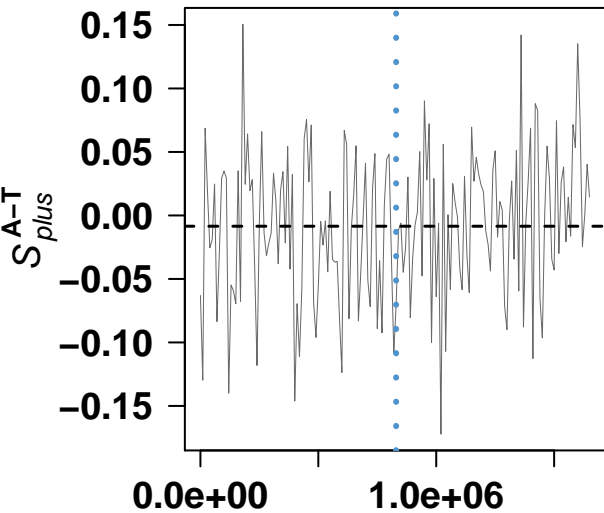


genome coordinates

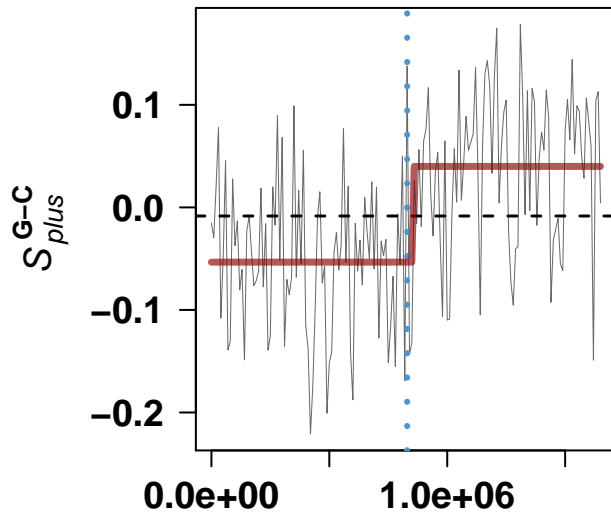


genome coordinates

Helicobacter pylori 26695

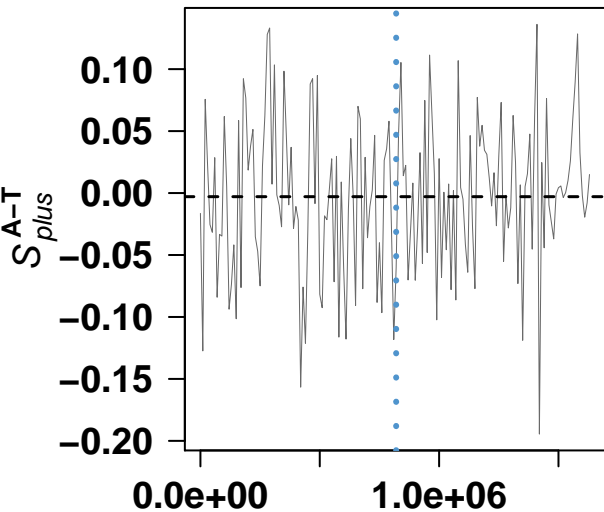


genome coordinates

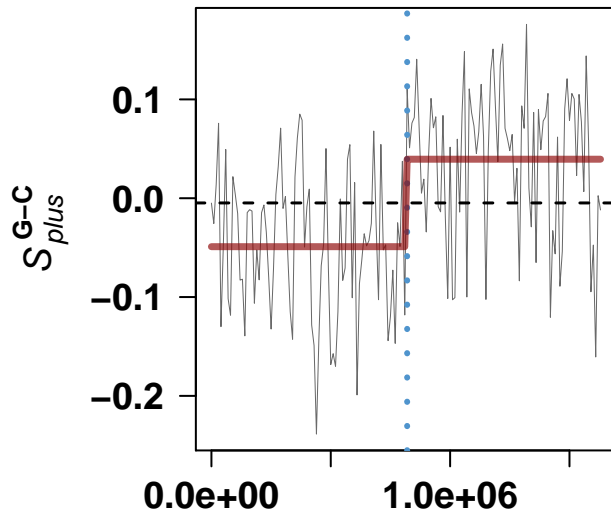


genome coordinates

Helicobacter pylori J99

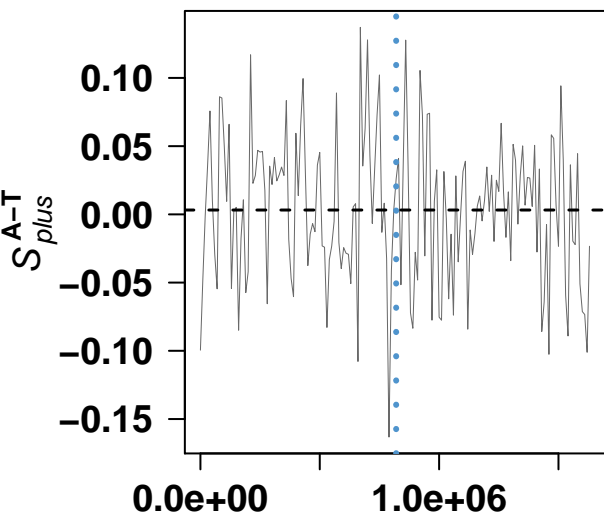


genome coordinates

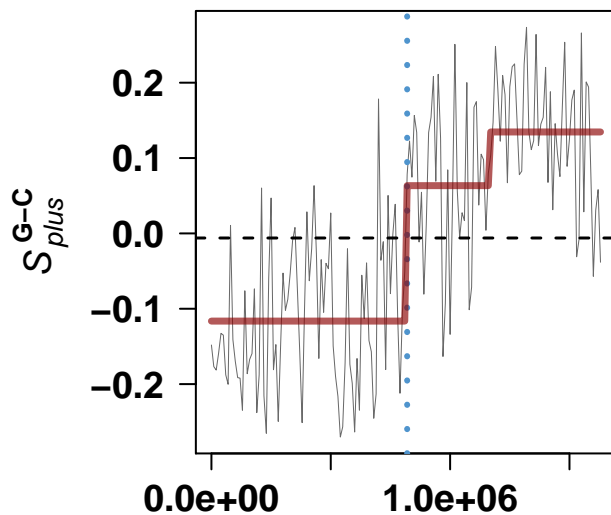


genome coordinates

Campylobacter jejuni subsp. jejuni NCTC 11168 = ATCC 700819

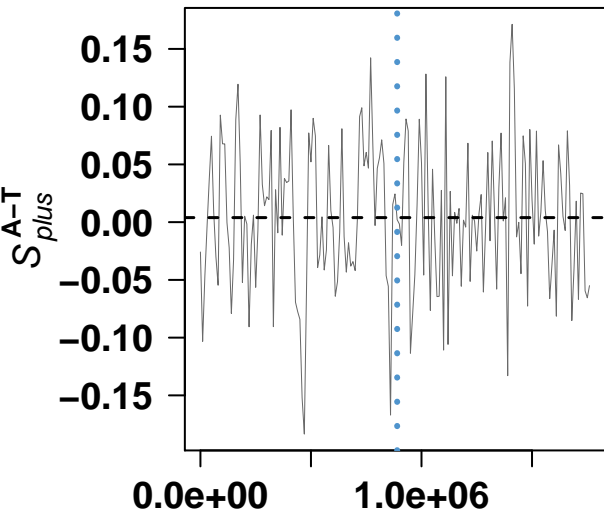


genome coordinates

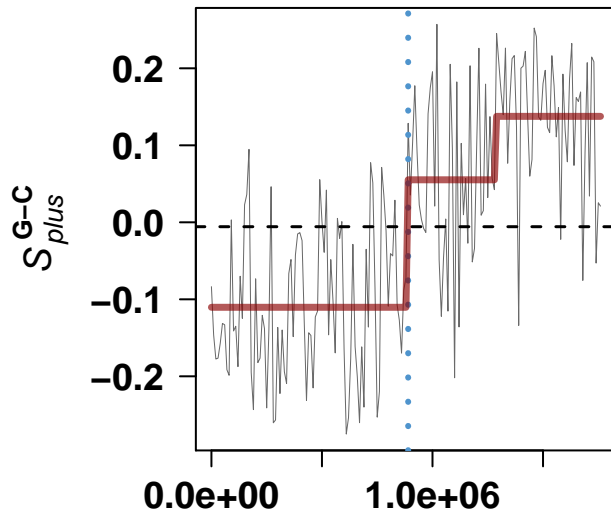


genome coordinates

Campylobacter jejuni RM1221

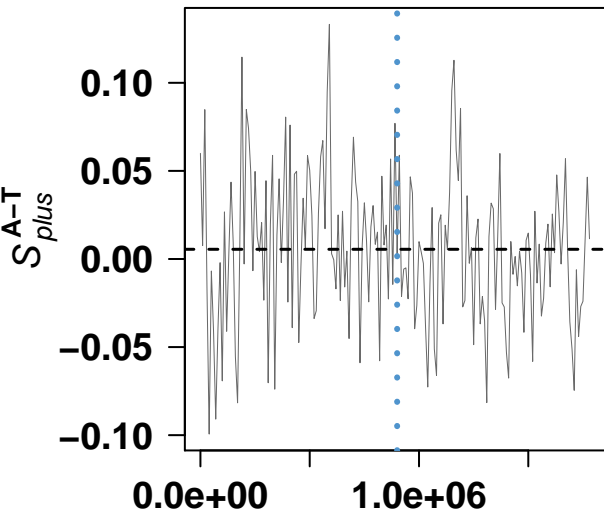


genome coordinates

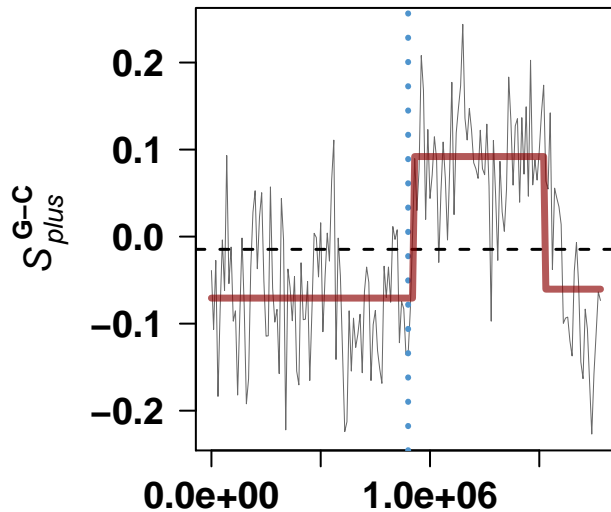


genome coordinates

Helicobacter hepaticus ATCC 51449

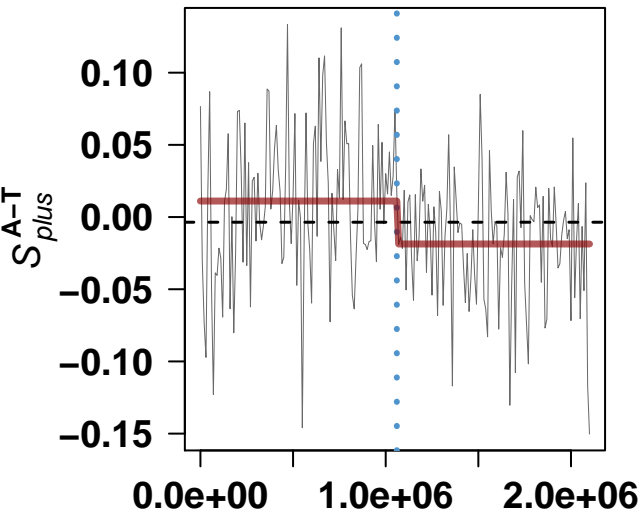


genome coordinates

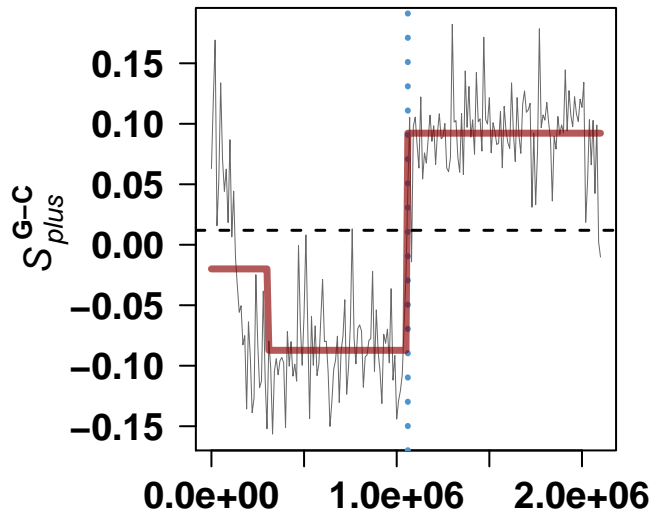


genome coordinates

Wolinella succinogenes DSM 1740

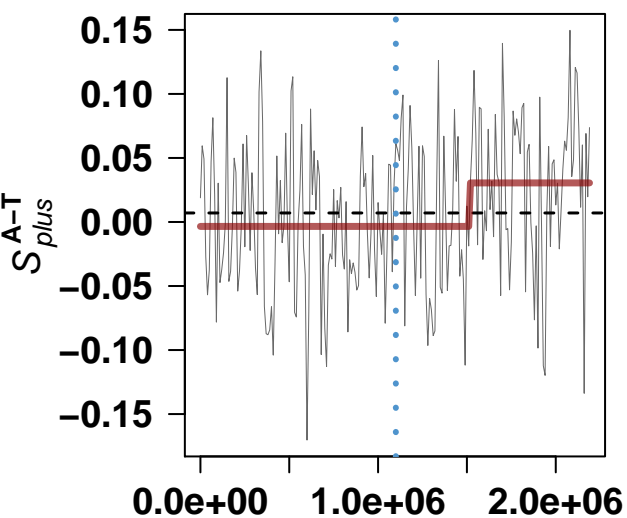


genome coordinates

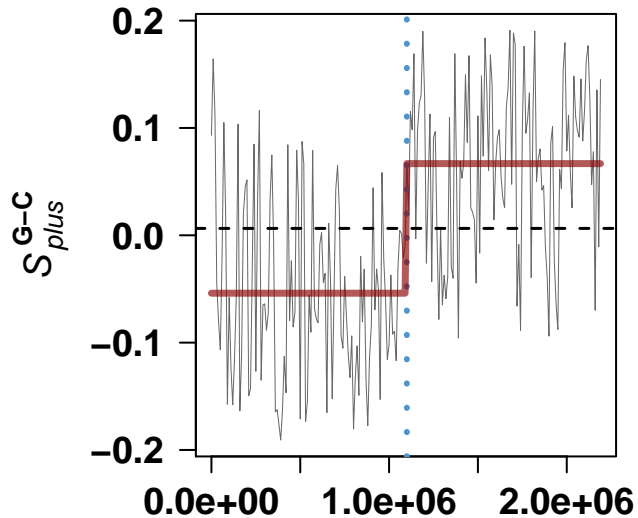


genome coordinates

Sulfurimonas denitrificans DSM 1251

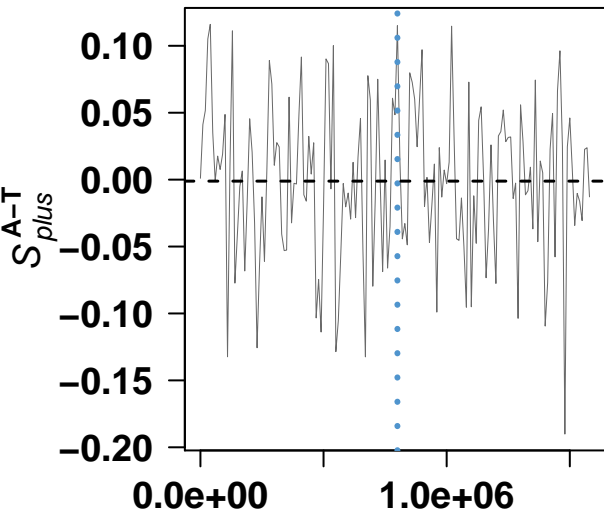


genome coordinates

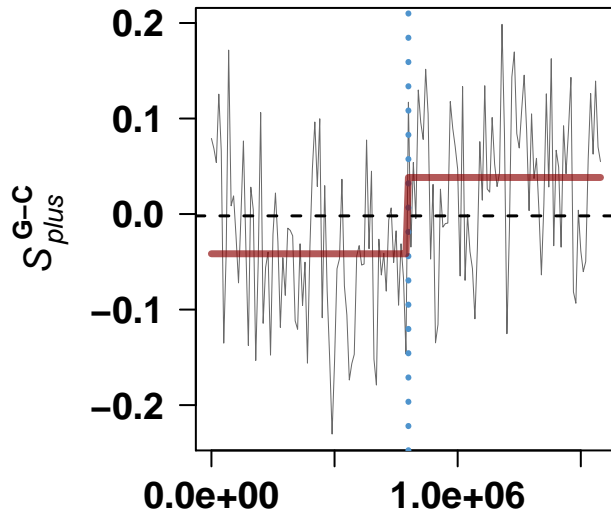


genome coordinates

Helicobacter pylori HPAG1

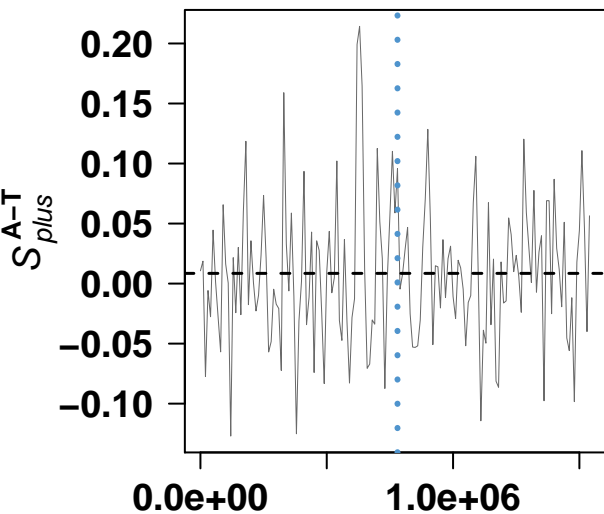


genome coordinates

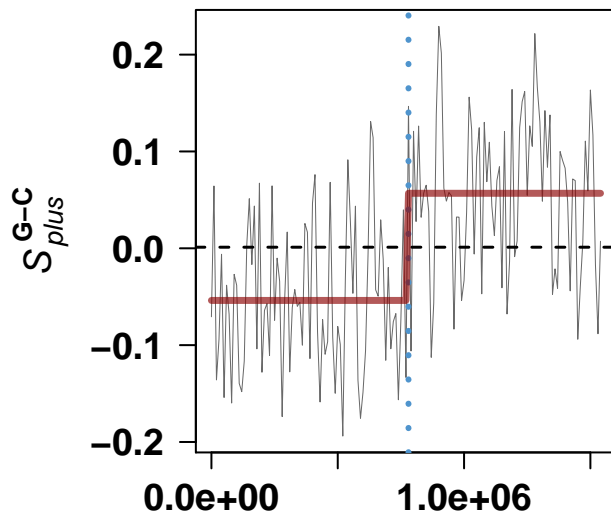


genome coordinates

Helicobacter acinonychis str. Sheeba

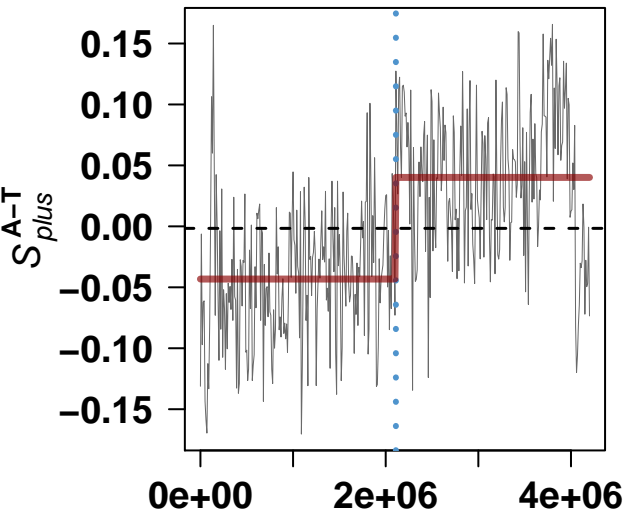


genome coordinates

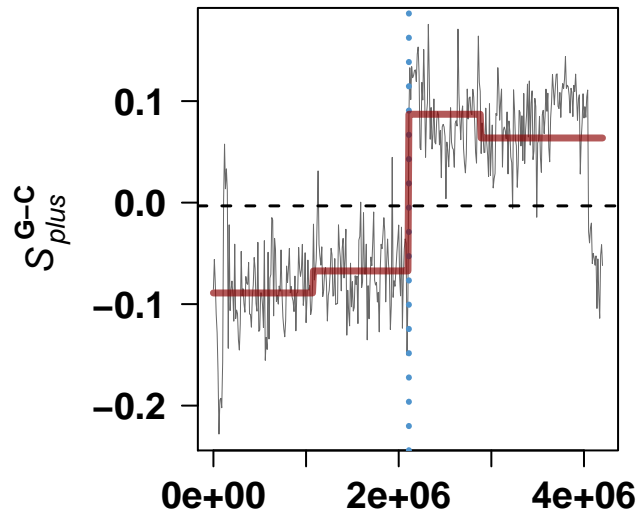


genome coordinates

Bacillus subtilis subsp. subtilis str. 168

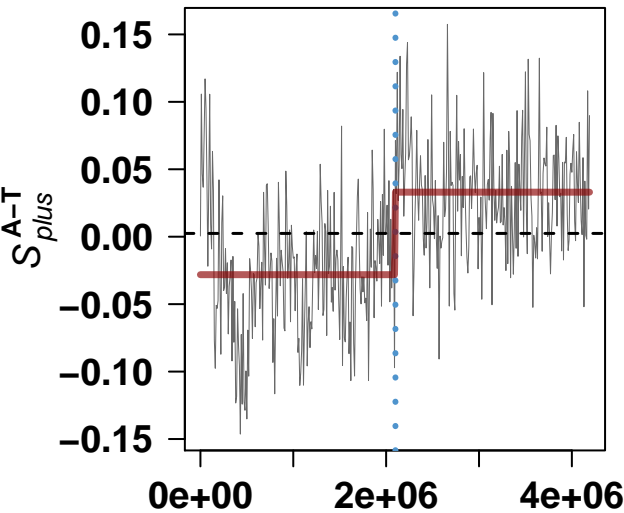


genome coordinates

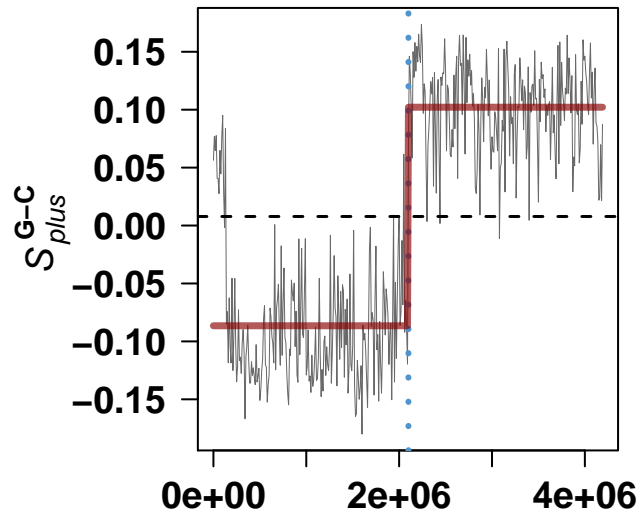


genome coordinates

Bacillus halodurans C-125

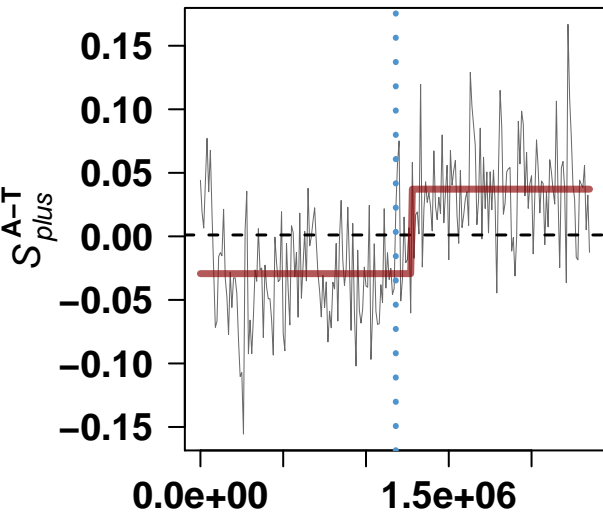


genome coordinates

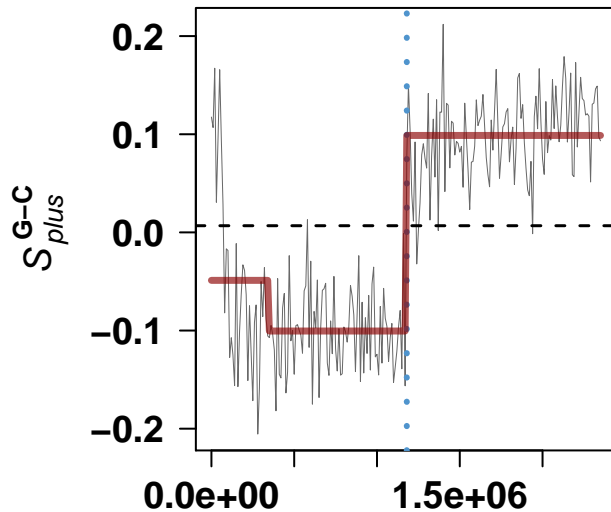


genome coordinates

Lactococcus lactis subsp. lactis II1403

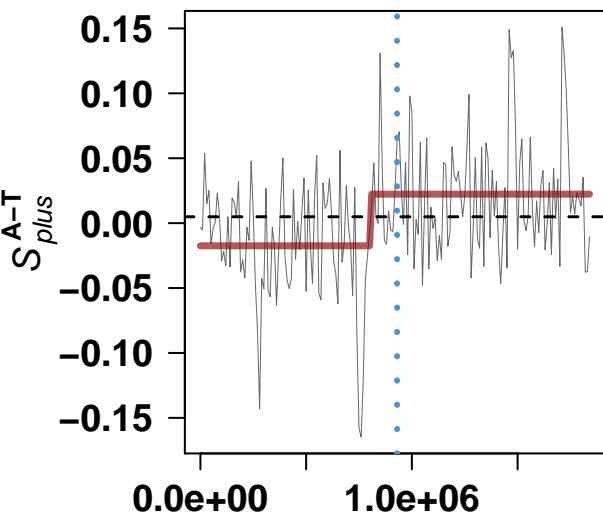


genome coordinates

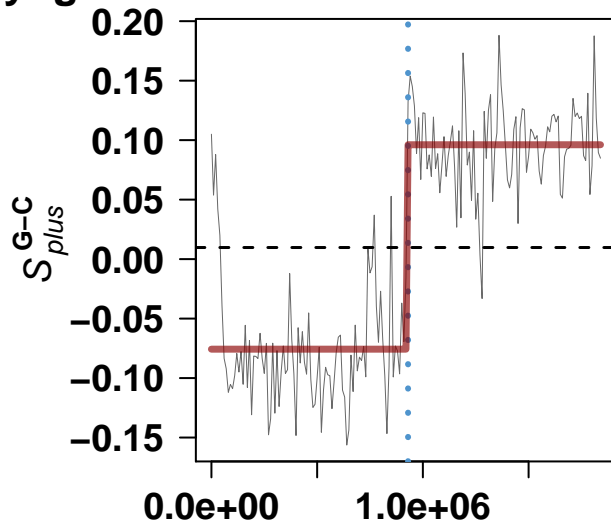


genome coordinates

Streptococcus pyogenes M1 GAS

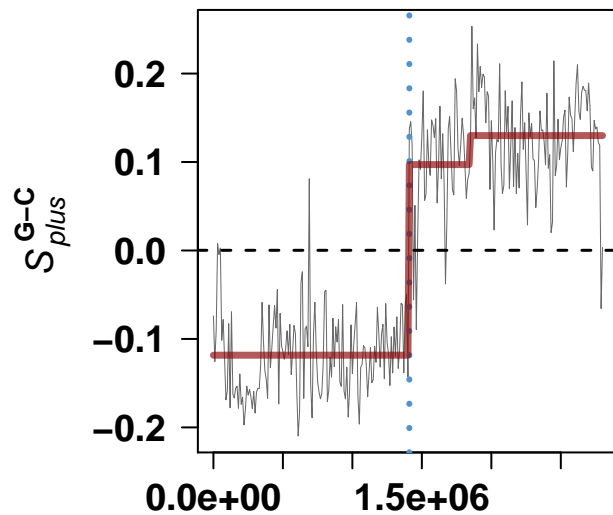
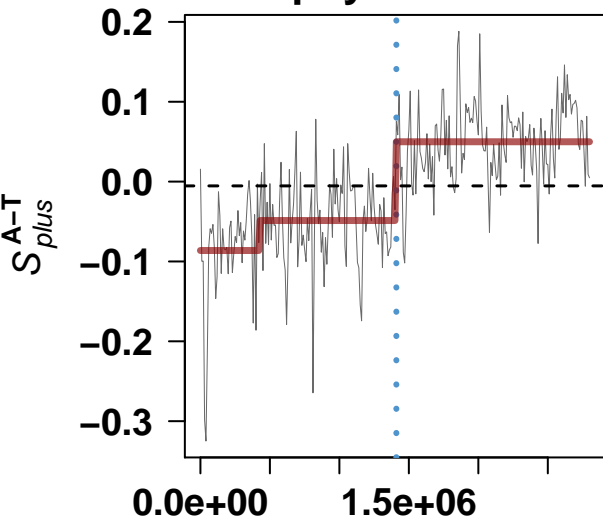


genome coordinates



genome coordinates

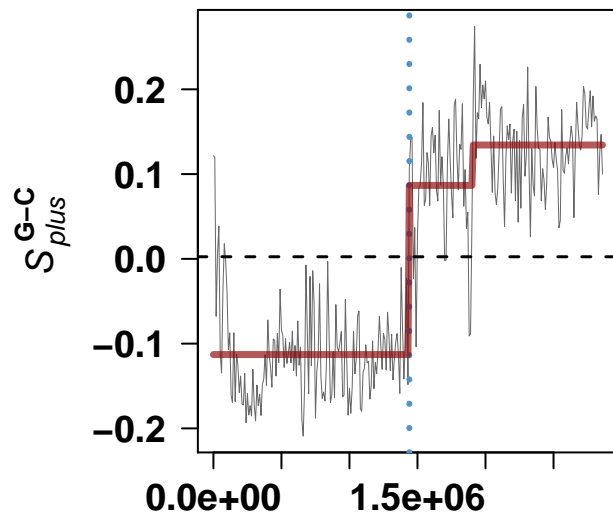
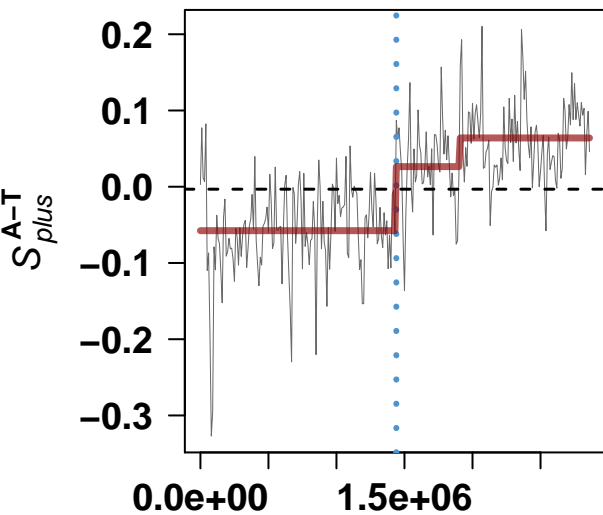
Staphylococcus aureus subsp. aureus N315



genome coordinates

genome coordinates

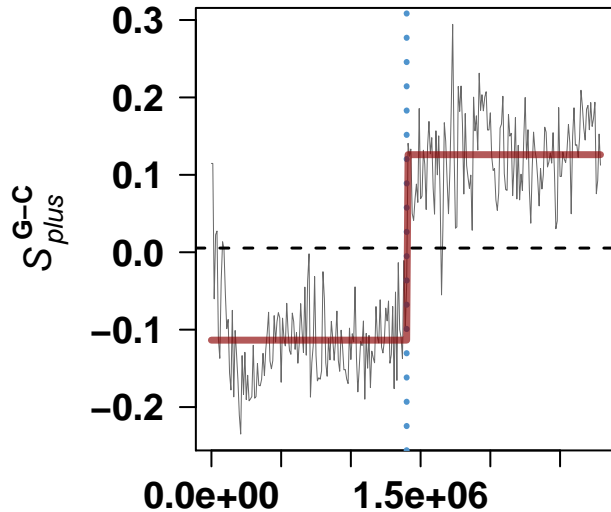
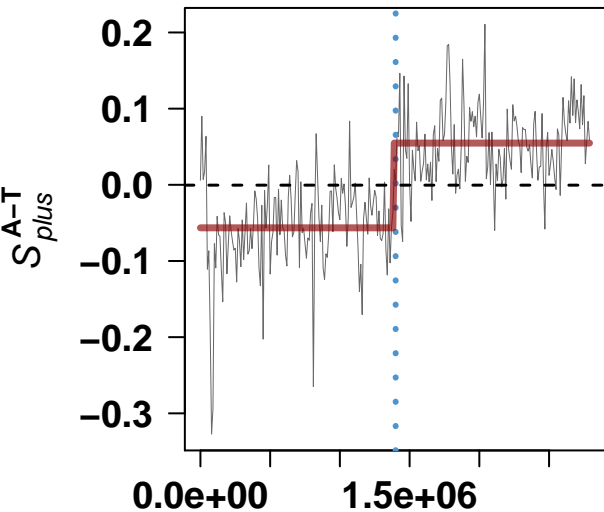
Staphylococcus aureus subsp. aureus Mu50



genome coordinates

genome coordinates

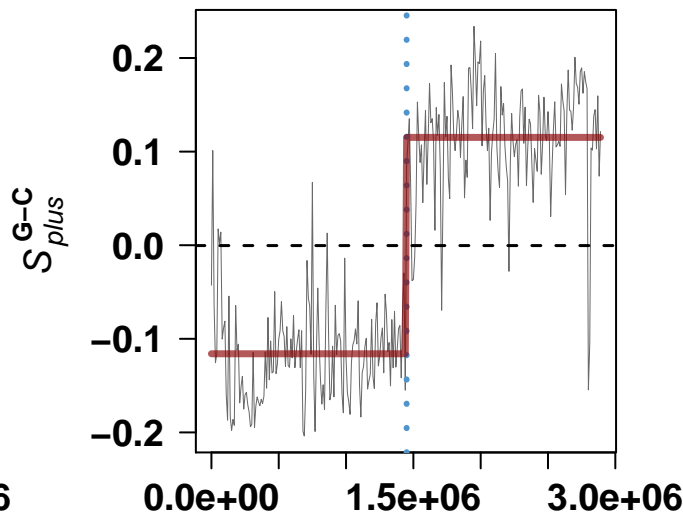
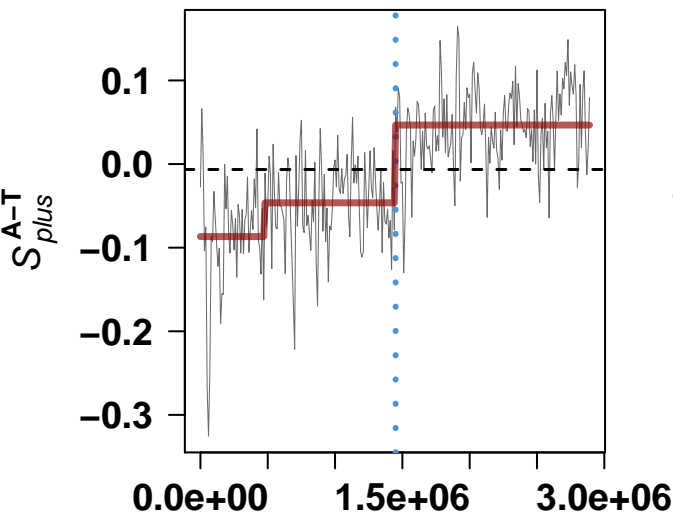
Staphylococcus aureus subsp. aureus COL



genome coordinates

genome coordinates

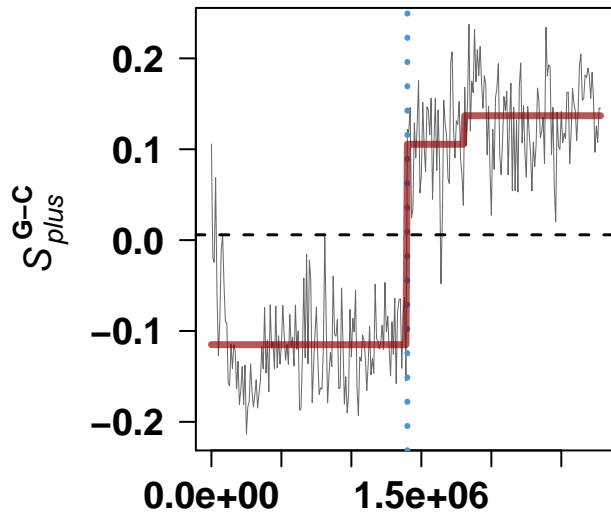
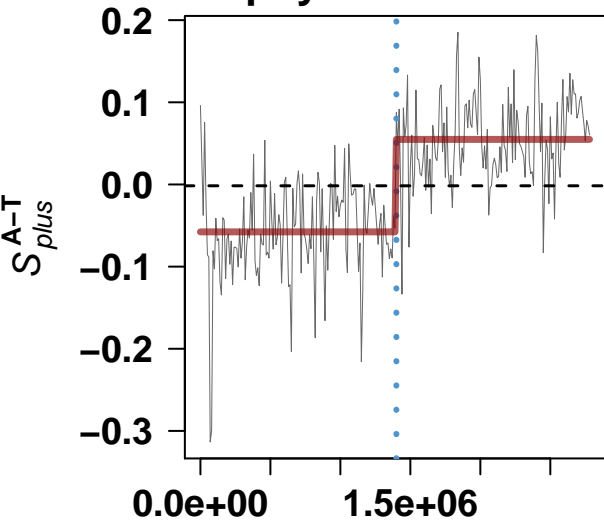
Staphylococcus aureus subsp. aureus MRSA252



genome coordinates

genome coordinates

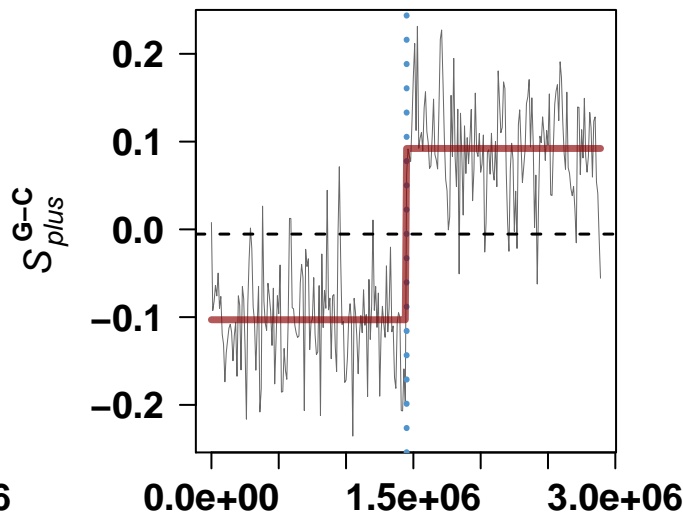
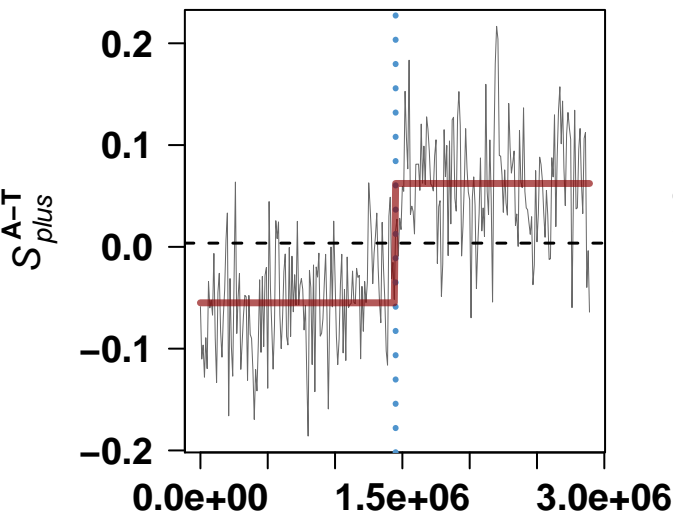
Staphylococcus aureus subsp. aureus MSSA476



genome coordinates

genome coordinates

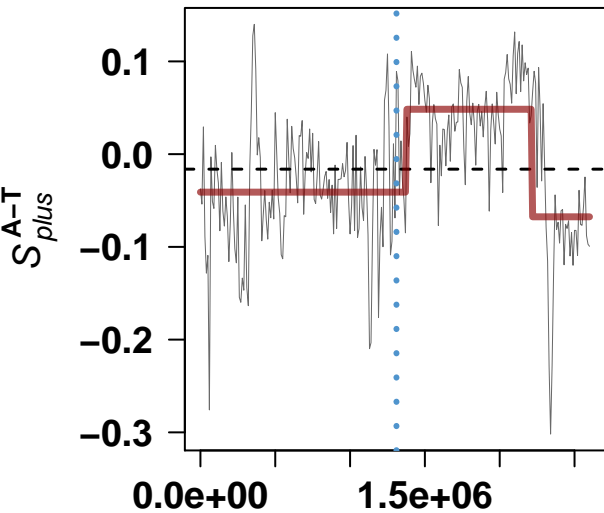
Listeria monocytogenes serotype 4b str. F2365



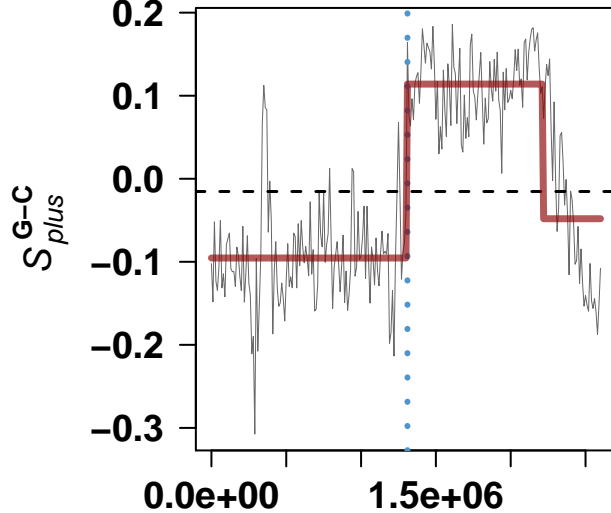
genome coordinates

genome coordinates

Staphylococcus epidermidis RP62A

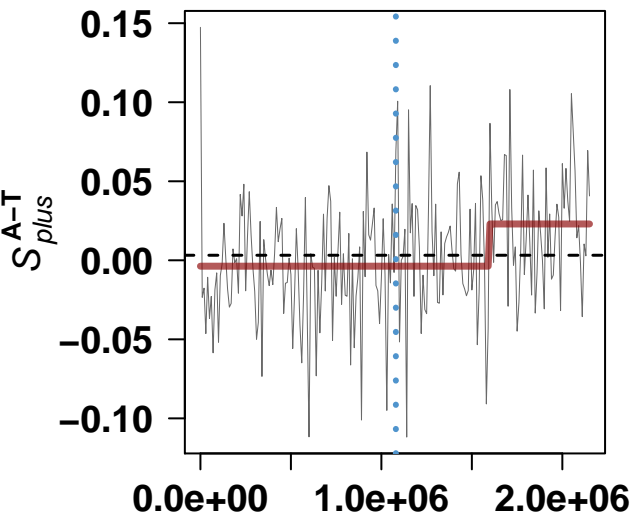


genome coordinates

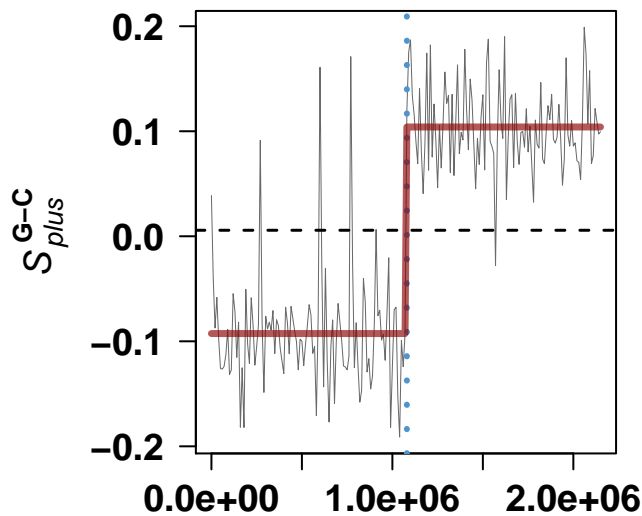


genome coordinates

Streptococcus pneumoniae TIGR4

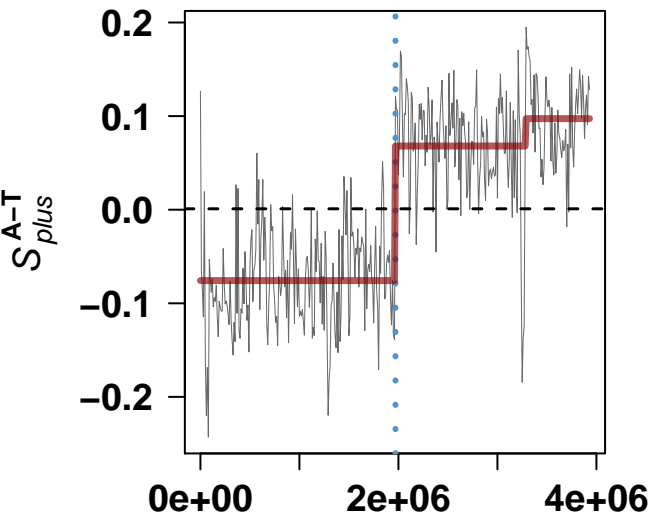


genome coordinates

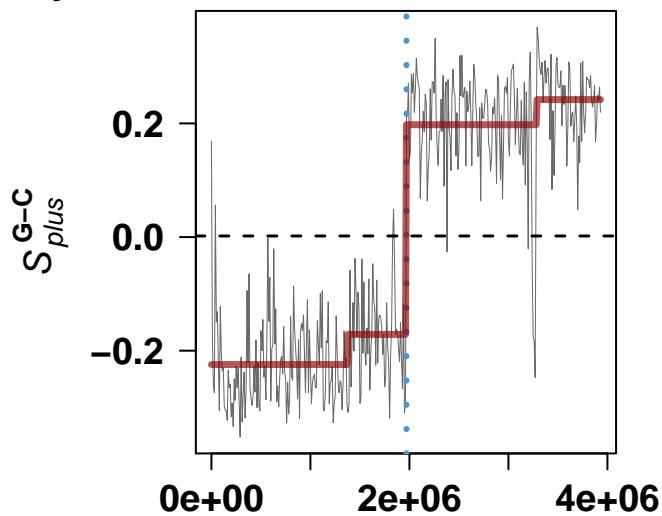


genome coordinates

Clostridium acetobutylicum ATCC 824

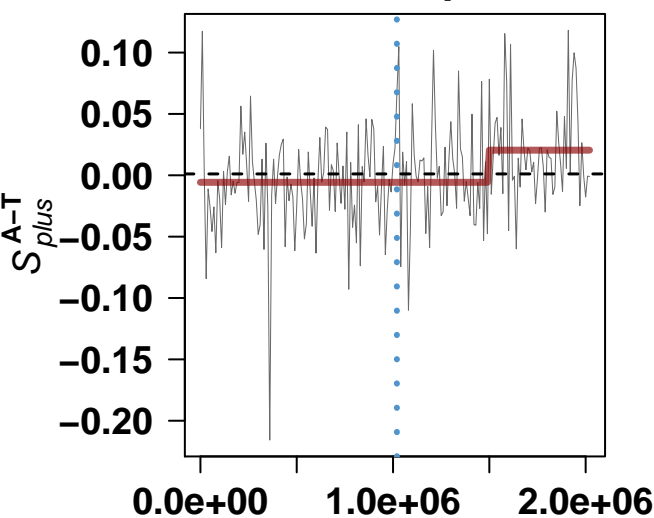


genome coordinates

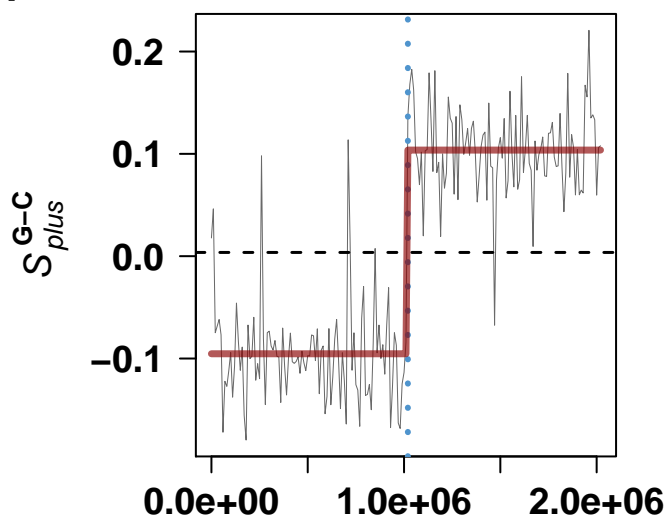


genome coordinates

Streptococcus pneumoniae R6

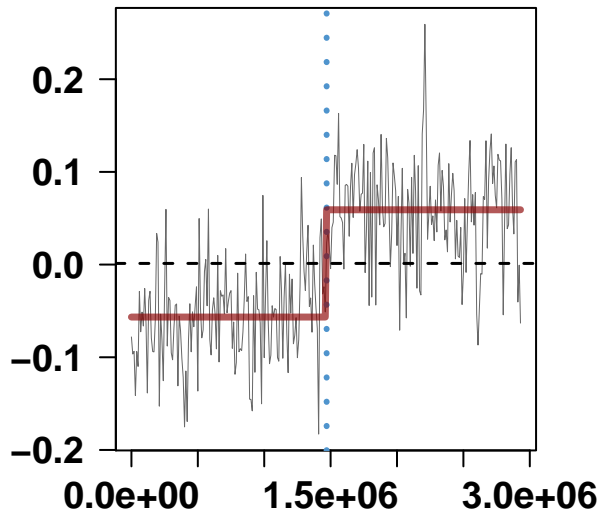


genome coordinates

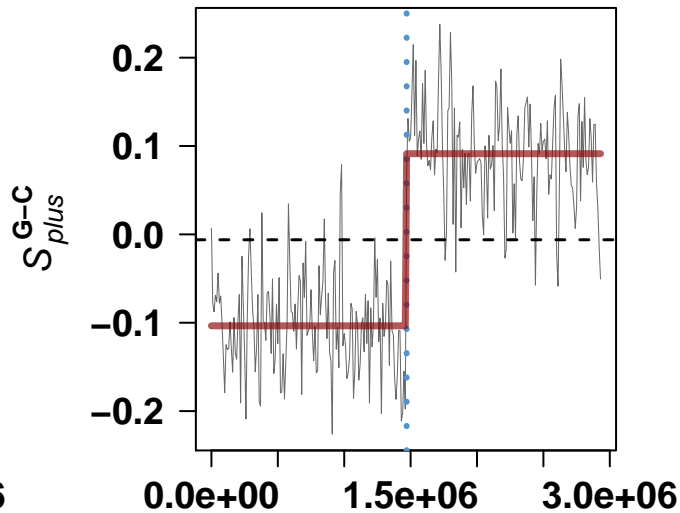


genome coordinates

Listeria monocytogenes EGD-e

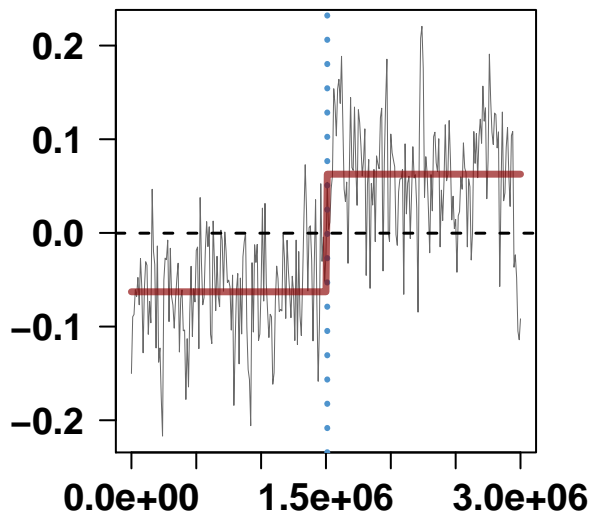


genome coordinates

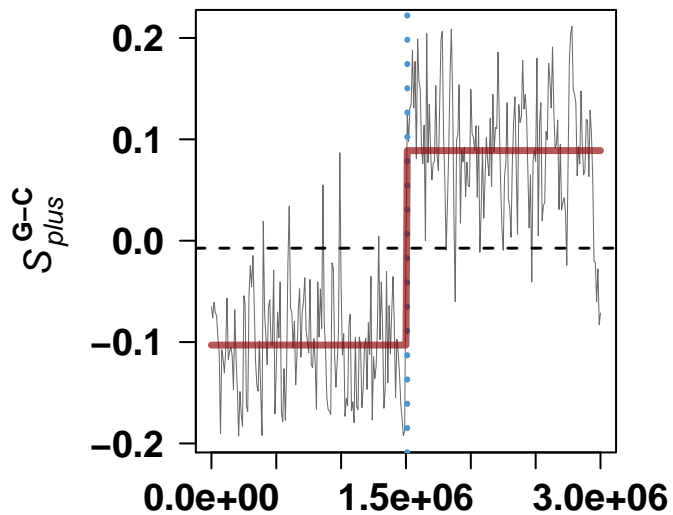


genome coordinates

Listeria innocua Clip11262

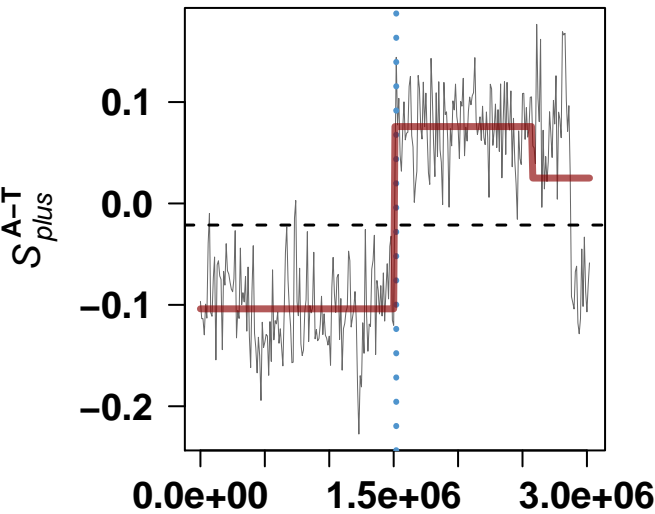


genome coordinates

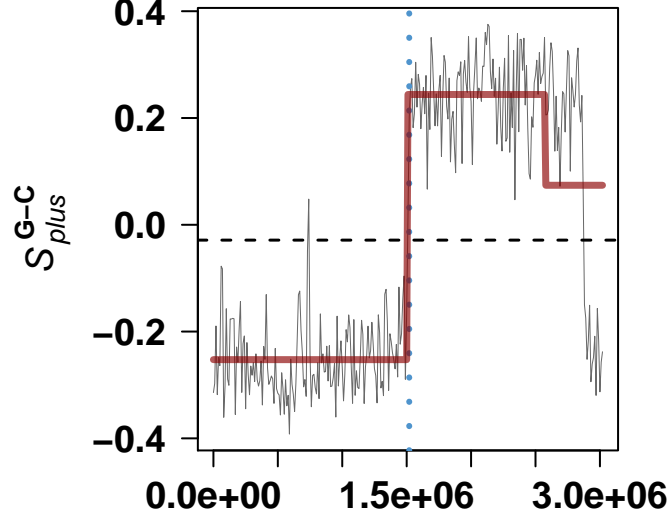


genome coordinates

Clostridium perfringens str. 13

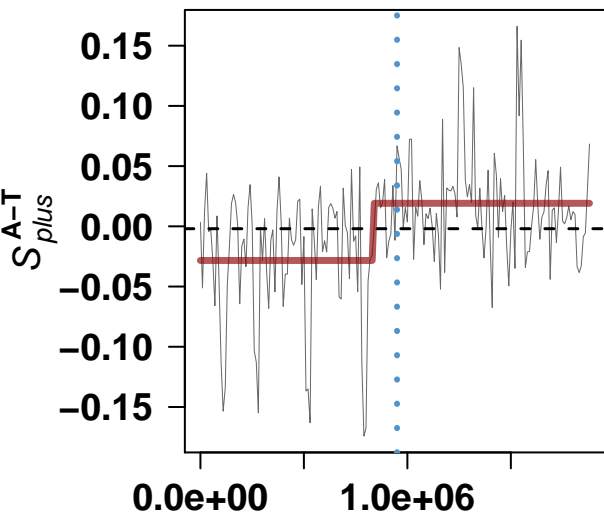


genome coordinates

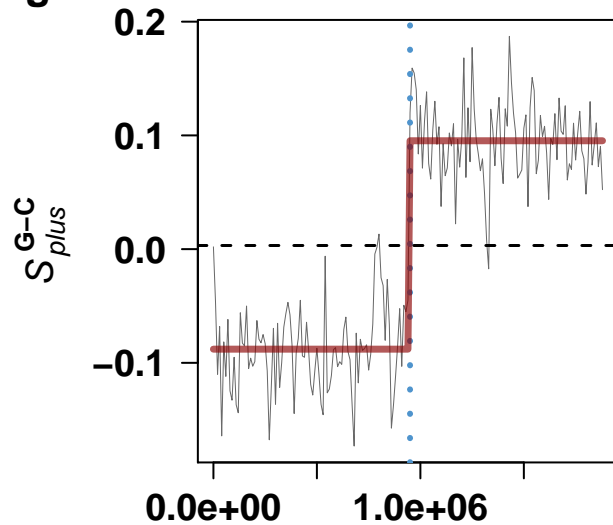


genome coordinates

Streptococcus pyogenes MGAS8232

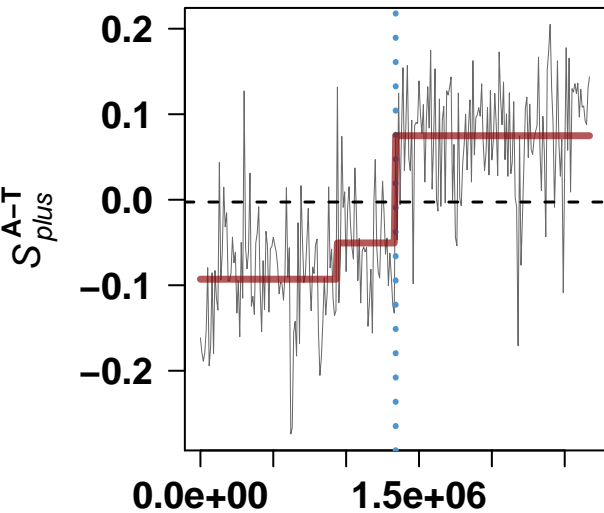


genome coordinates

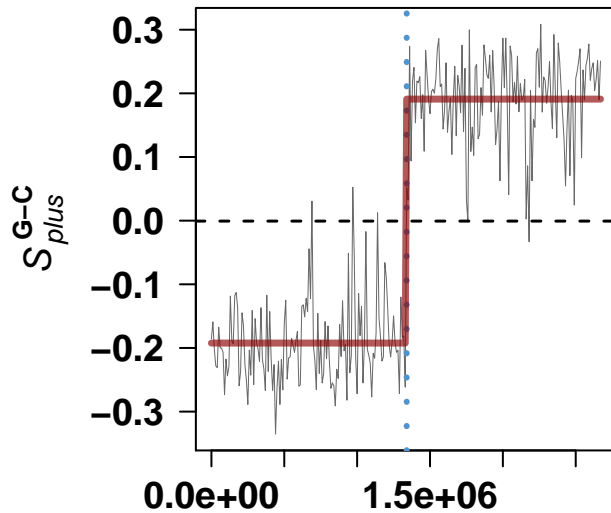


genome coordinates

Thermoanaerobacter tengcongensis MB4

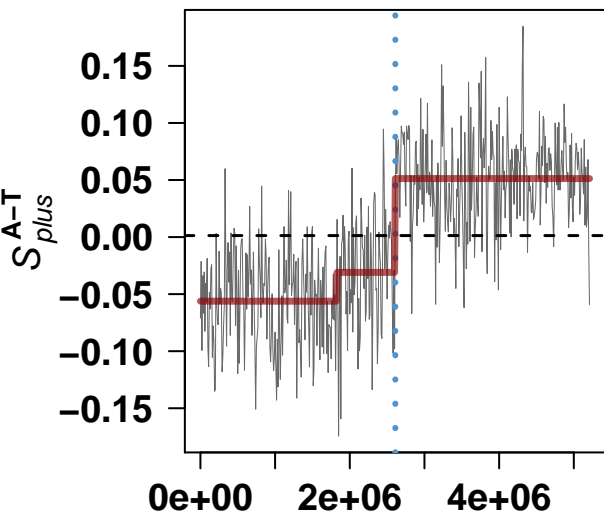


genome coordinates

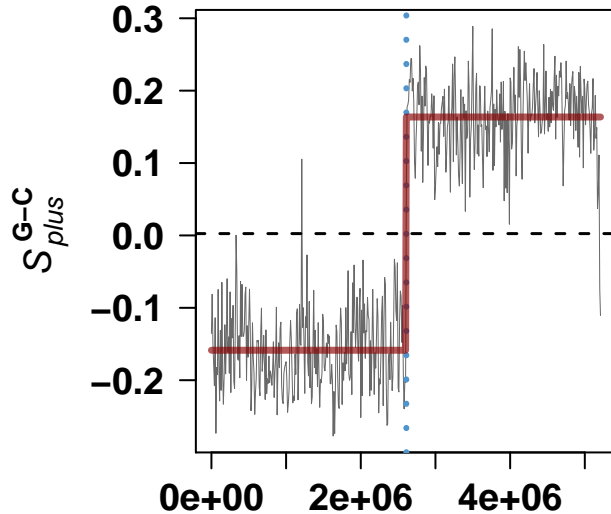


genome coordinates

Bacillus cereus ATCC 10987

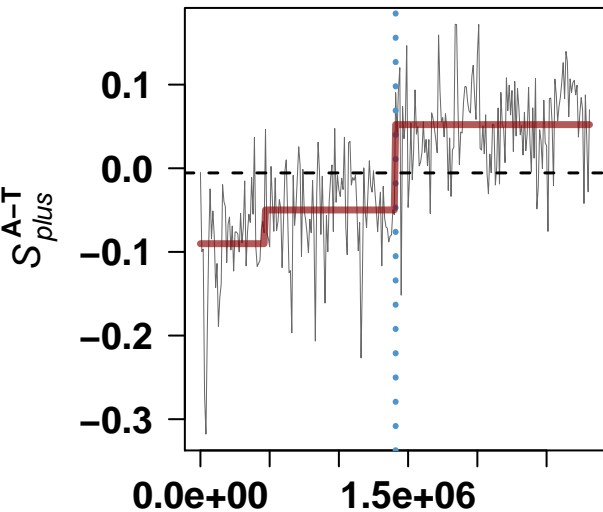


genome coordinates

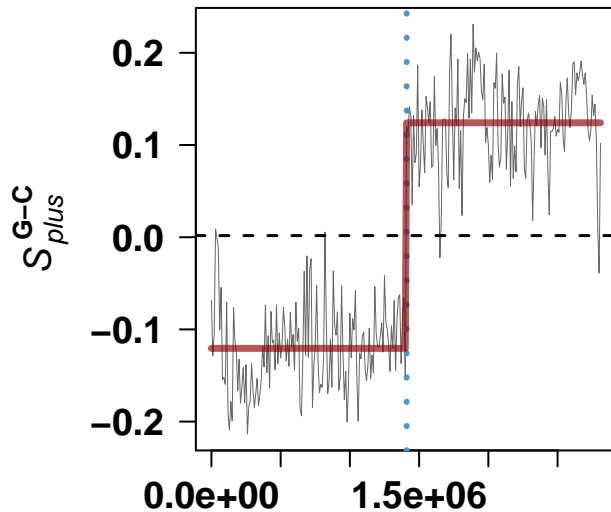


genome coordinates

Staphylococcus aureus subsp. aureus MW2

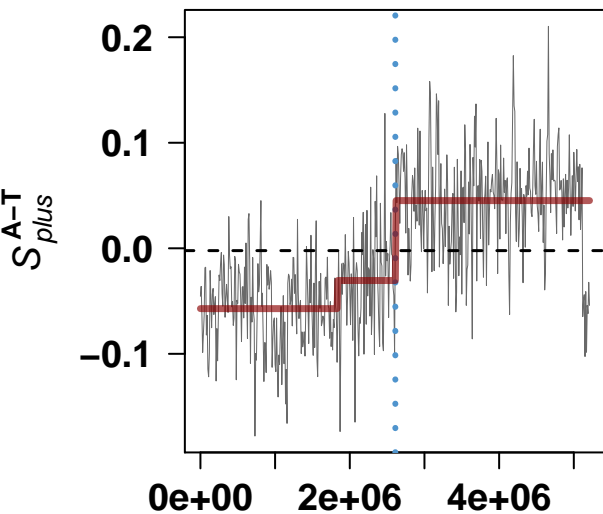


genome coordinates

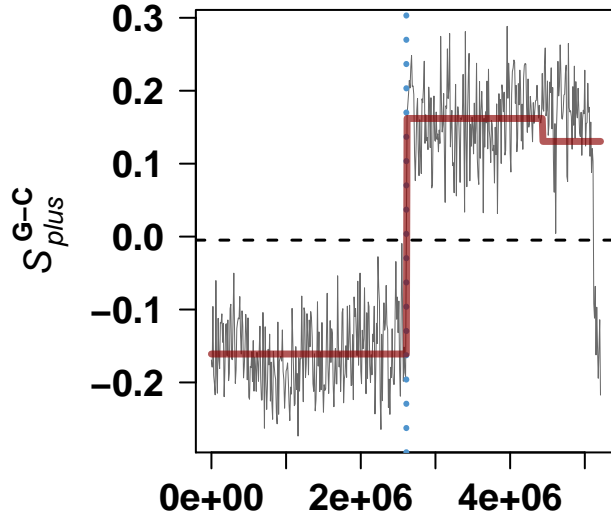


genome coordinates

Bacillus anthracis str. Ames

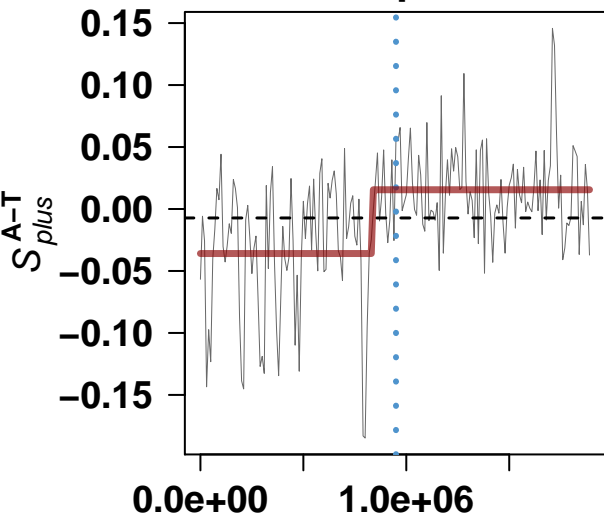


genome coordinates

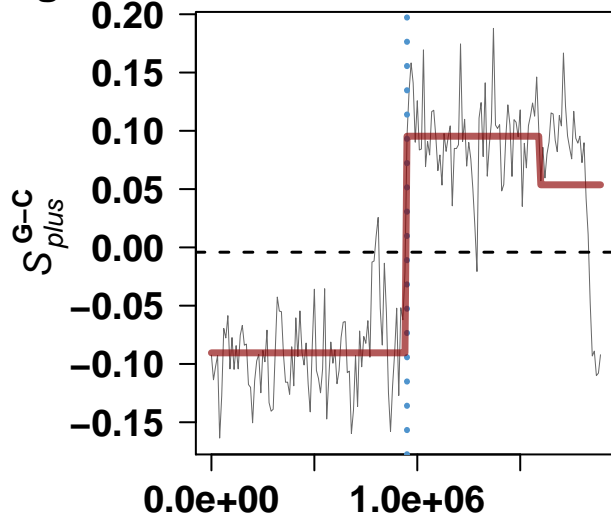


genome coordinates

Streptococcus pyogenes MGAS315

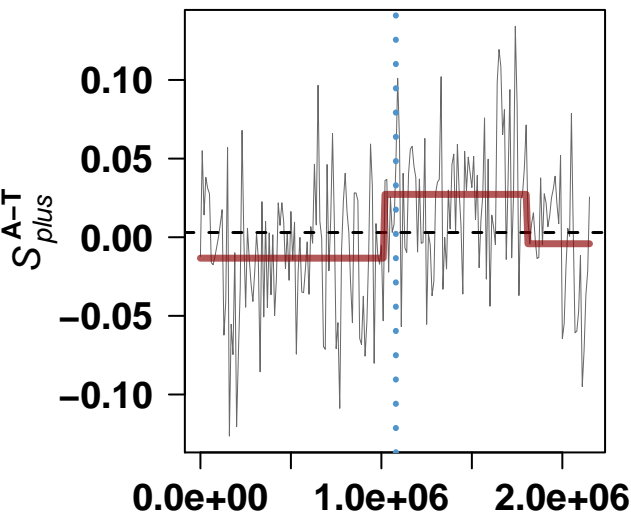


genome coordinates

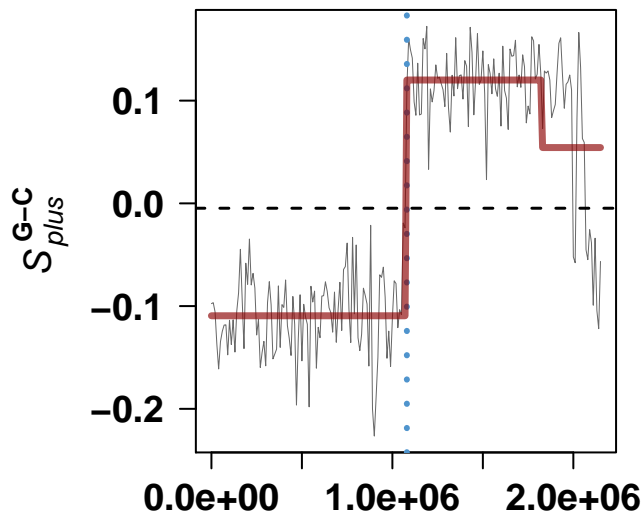


genome coordinates

Streptococcus agalactiae 2603V/R

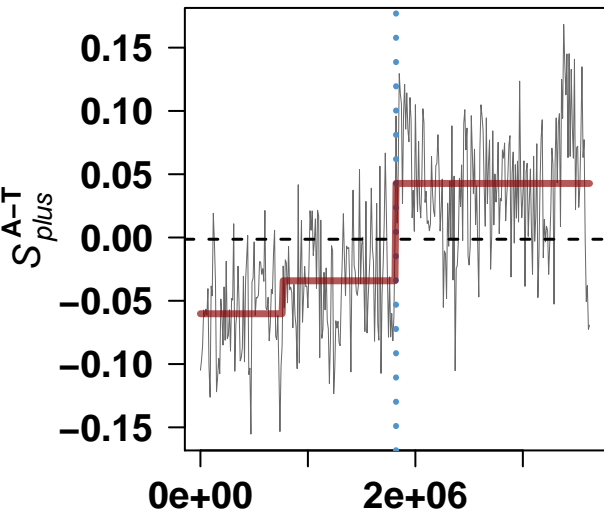


genome coordinates

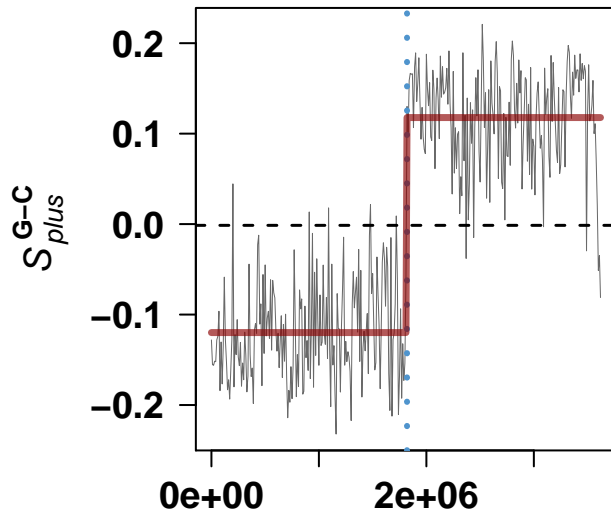


genome coordinates

Oceanobacillus iheyensis HTE831

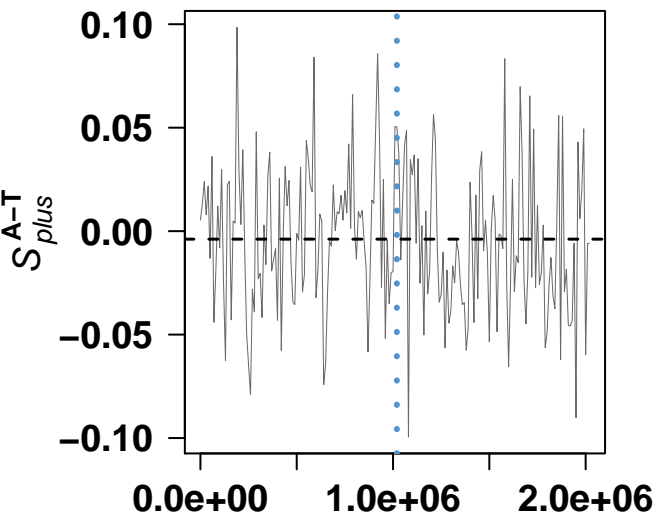


genome coordinates

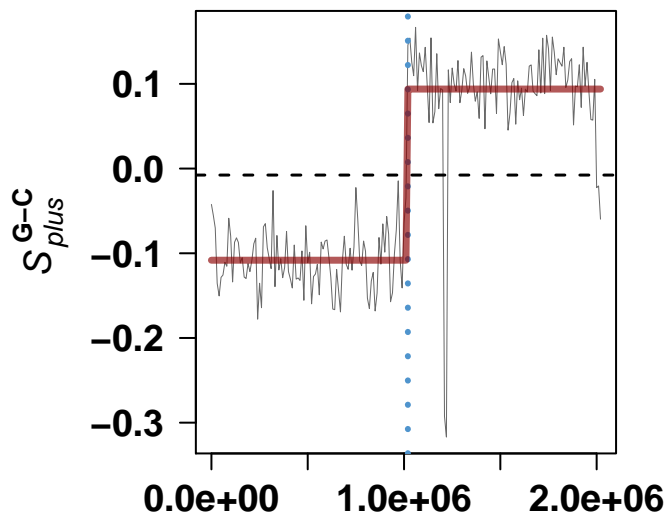


genome coordinates

Streptococcus mutans UA159

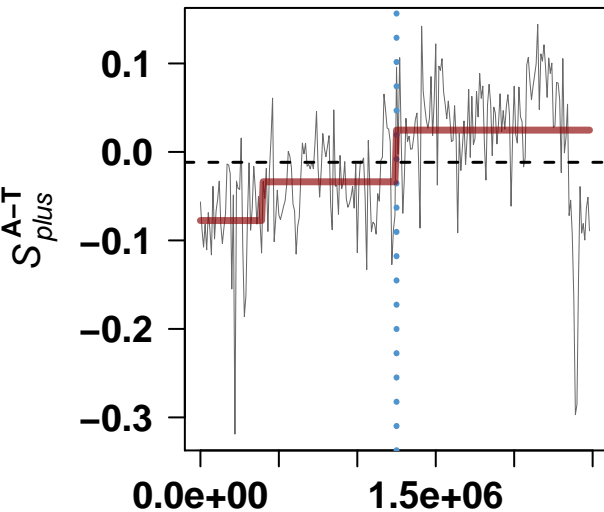


genome coordinates

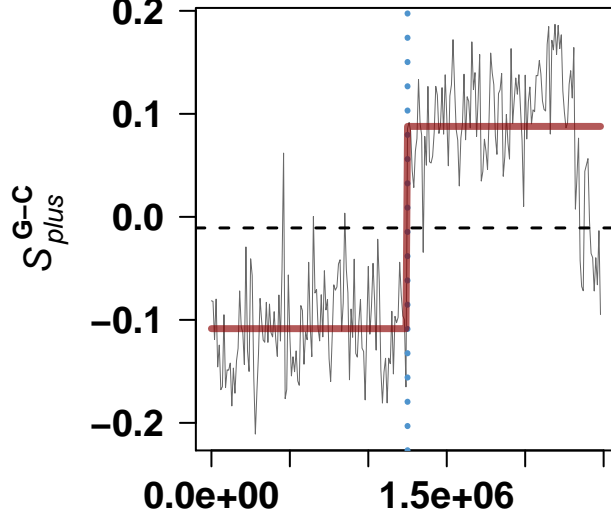


genome coordinates

Staphylococcus epidermidis ATCC 12228

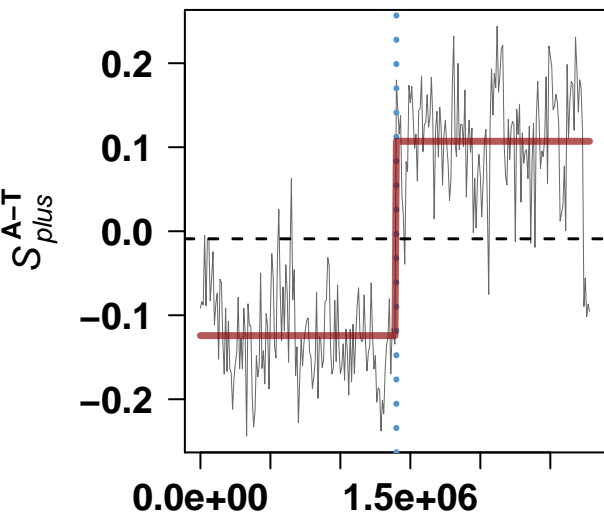


genome coordinates

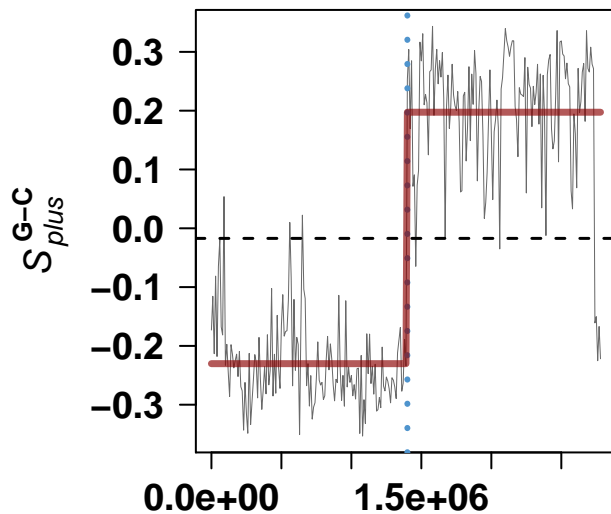


genome coordinates

Clostridium tetani E88

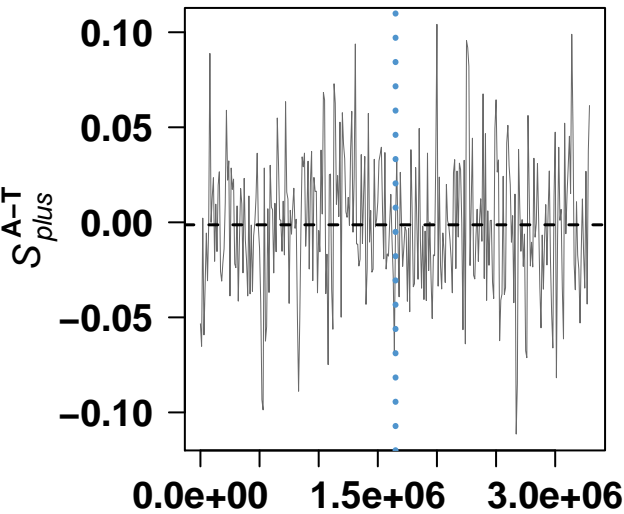


genome coordinates

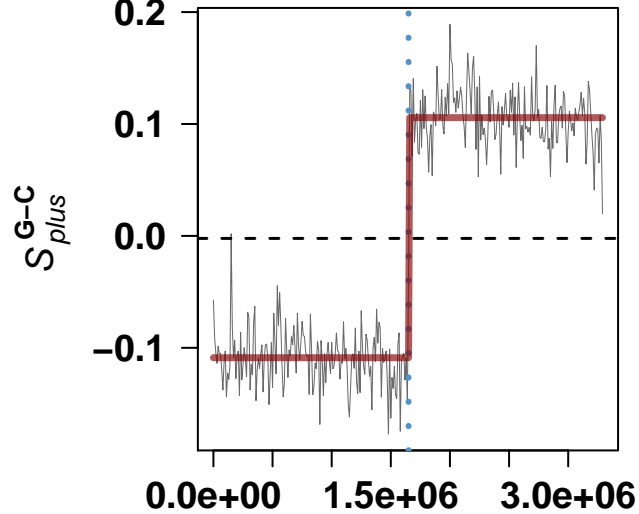


genome coordinates

Lactobacillus plantarum WCFS1

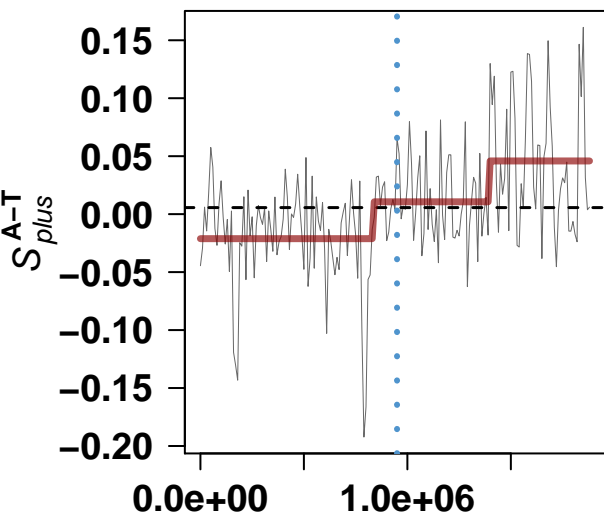


genome coordinates

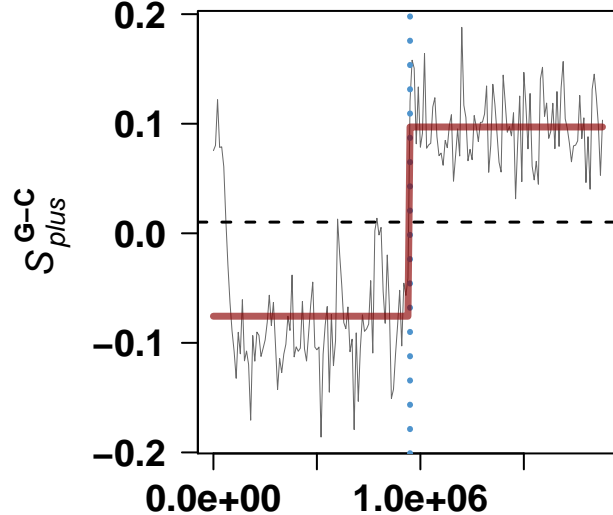


genome coordinates

Streptococcus pyogenes SSI-1

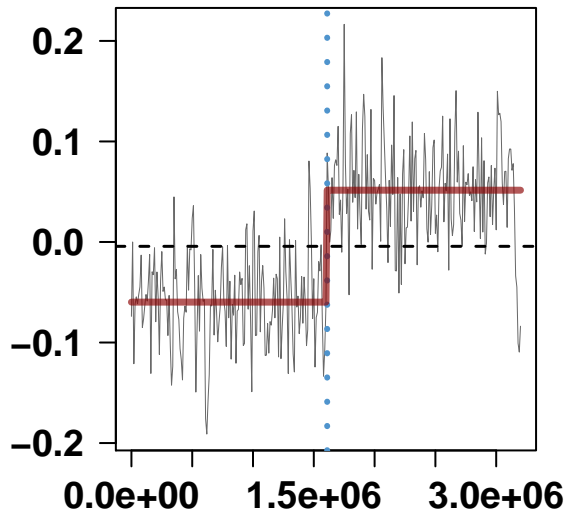


genome coordinates

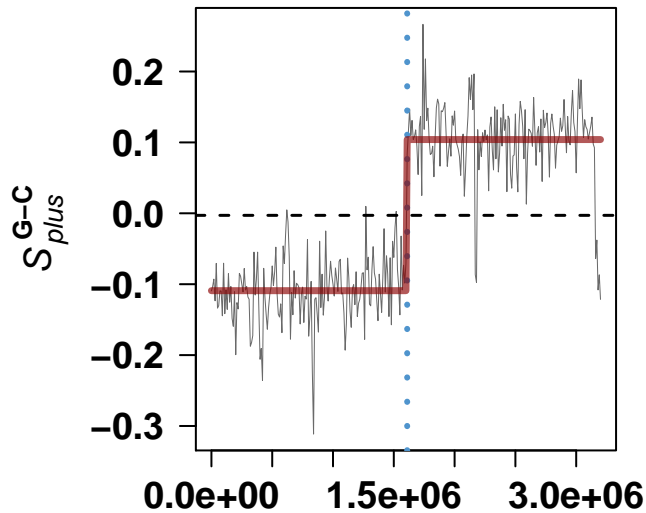


genome coordinates

Enterococcus faecalis V583

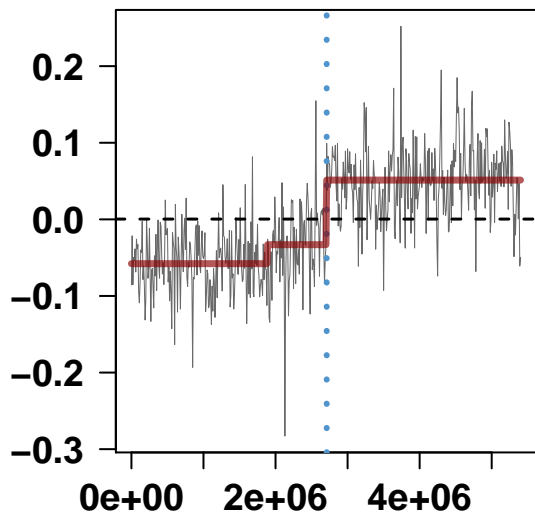


genome coordinates

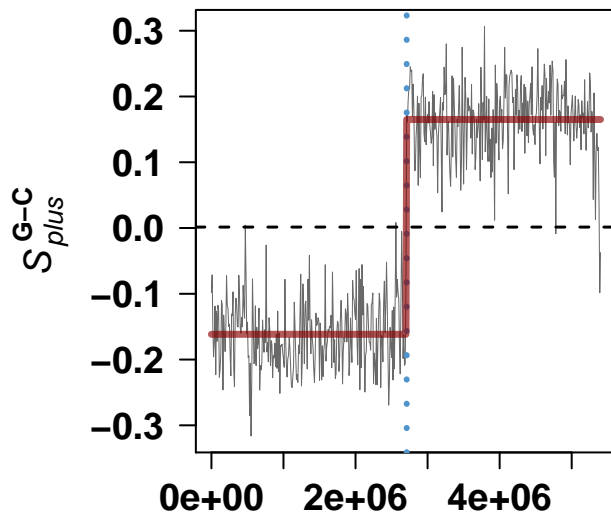


genome coordinates

Bacillus cereus ATCC 14579

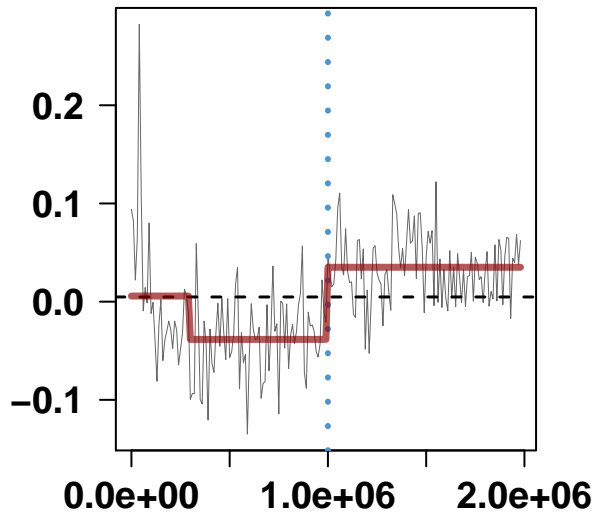


genome coordinates

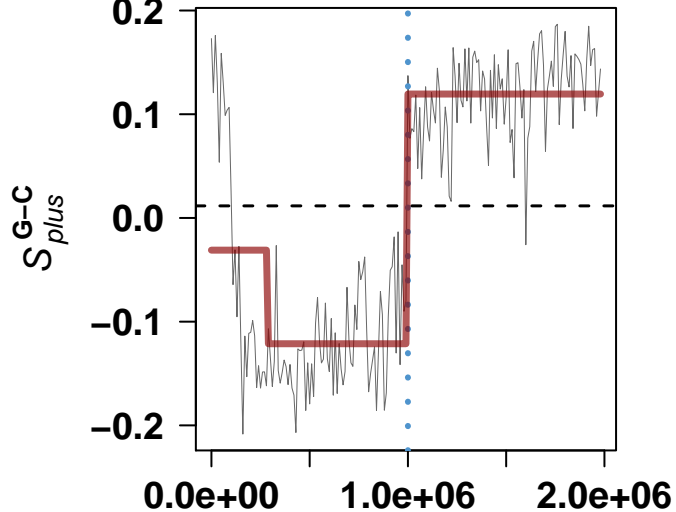


genome coordinates

Lactobacillus johnsonii NCC 533

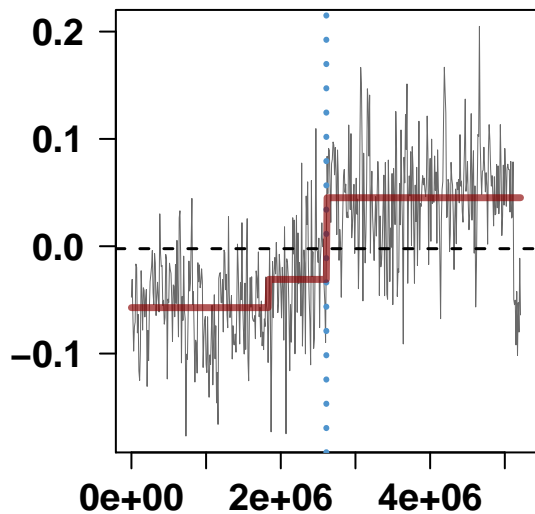


genome coordinates

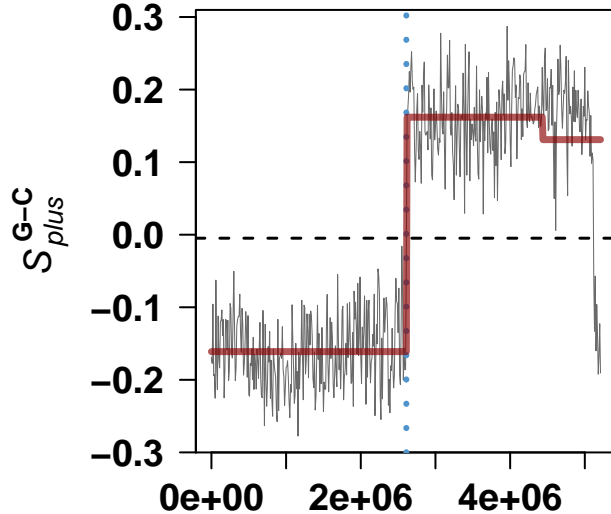


genome coordinates

Bacillus anthracis str. Sterne

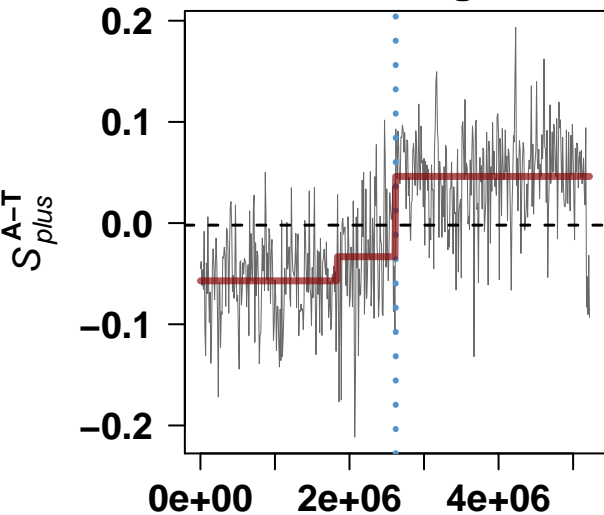


genome coordinates

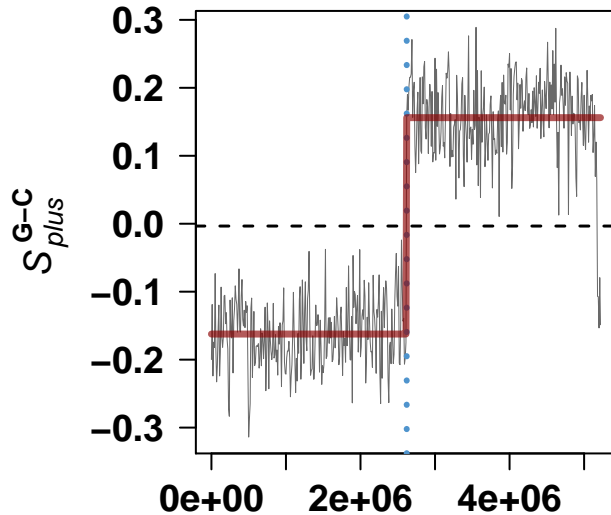


genome coordinates

Bacillus thuringiensis serovar konkukian str. 97-27

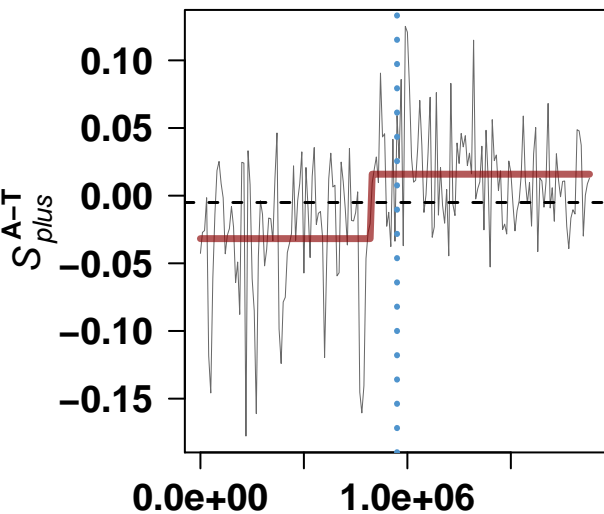


genome coordinates

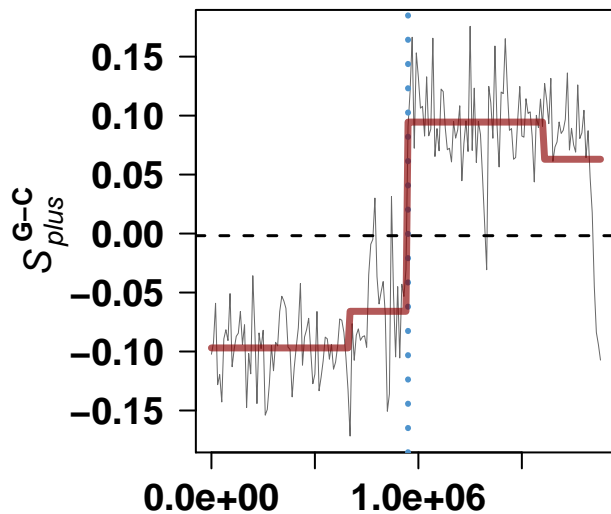


genome coordinates

Streptococcus pyogenes MGAS10394

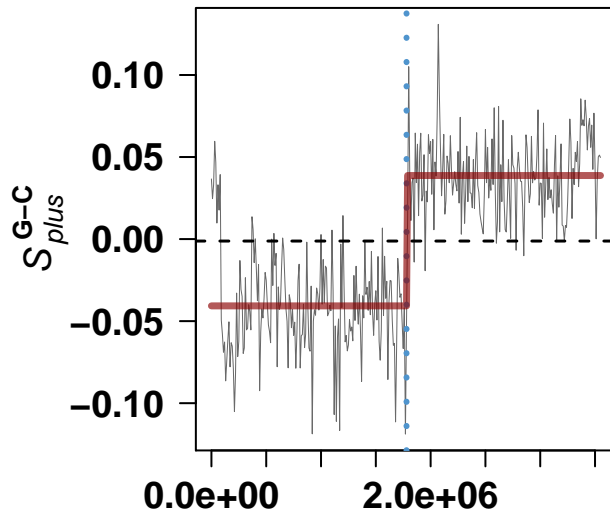
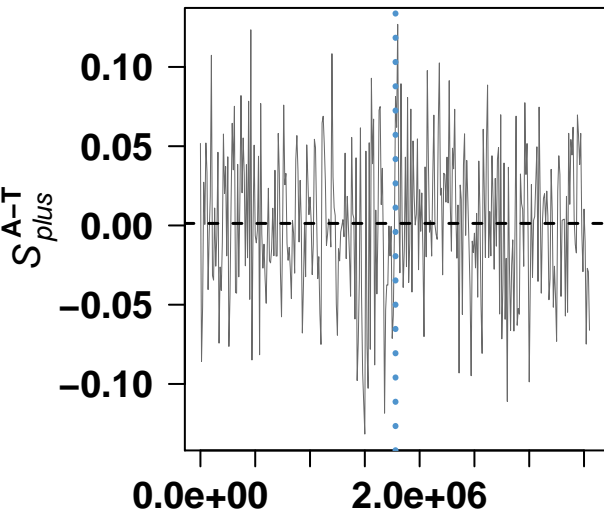


genome coordinates



genome coordinates

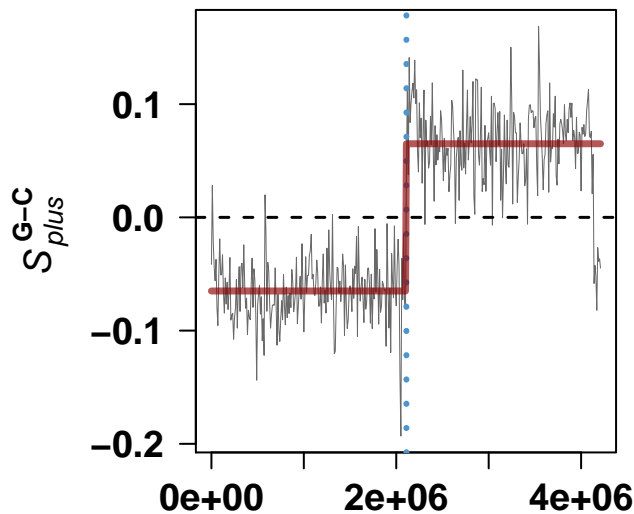
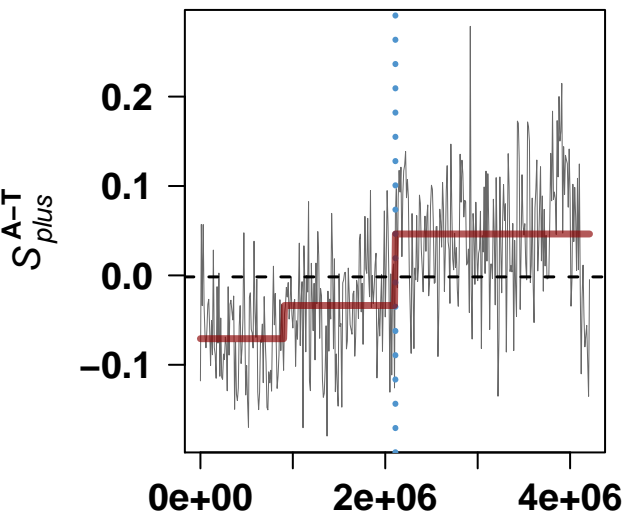
Symbiobacterium thermophilum IAM 14863



genome coordinates

genome coordinates

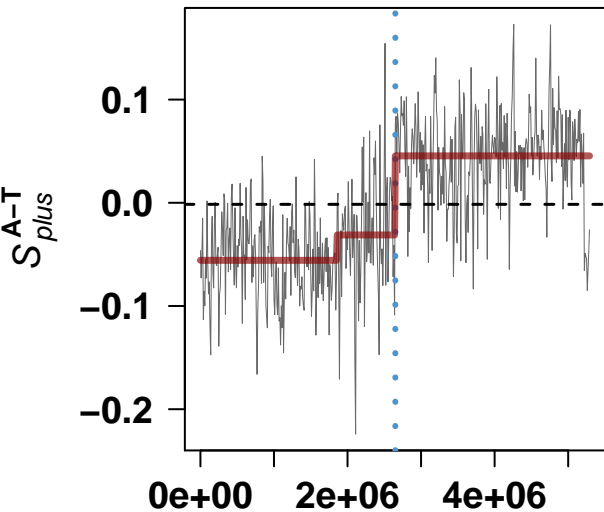
Bacillus licheniformis DSM 13 = ATCC 14580



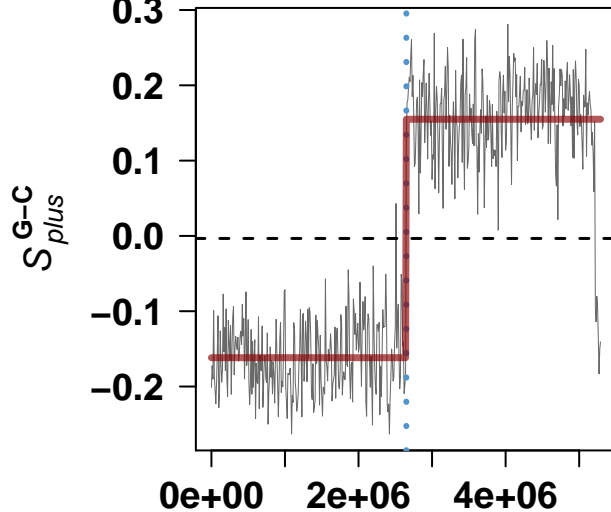
genome coordinates

genome coordinates

Bacillus cereus E33L

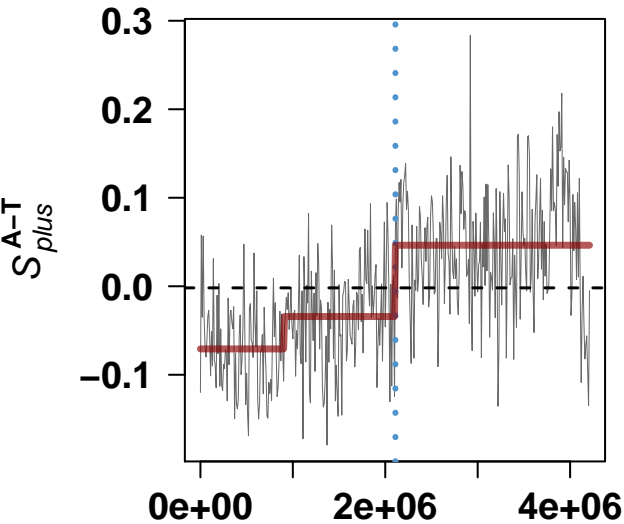


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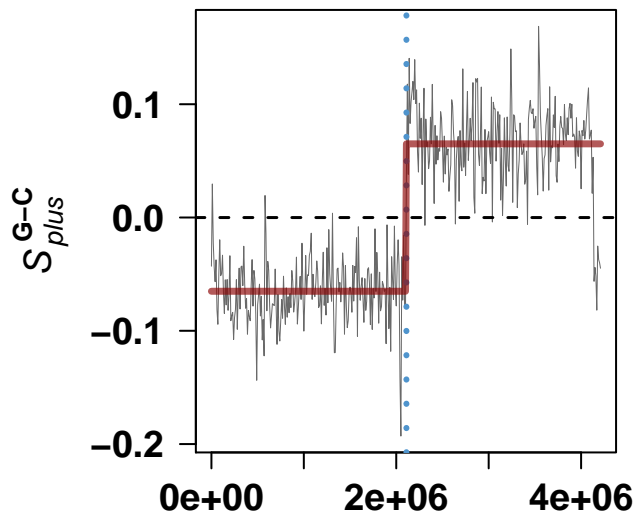


genome coordinates

Bacillus licheniformis DSM 13 = ATCC 14580

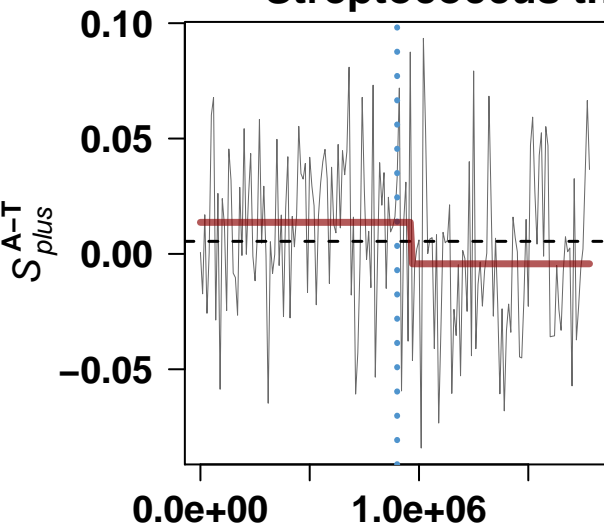


genome coordinates

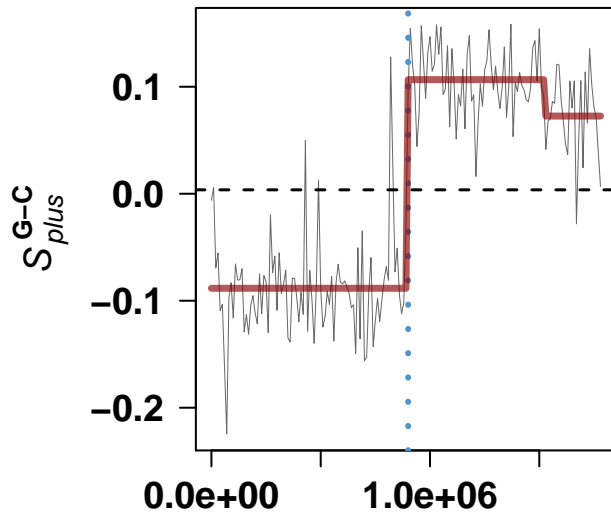


genome coordinates

Streptococcus thermophilus LMG 18311

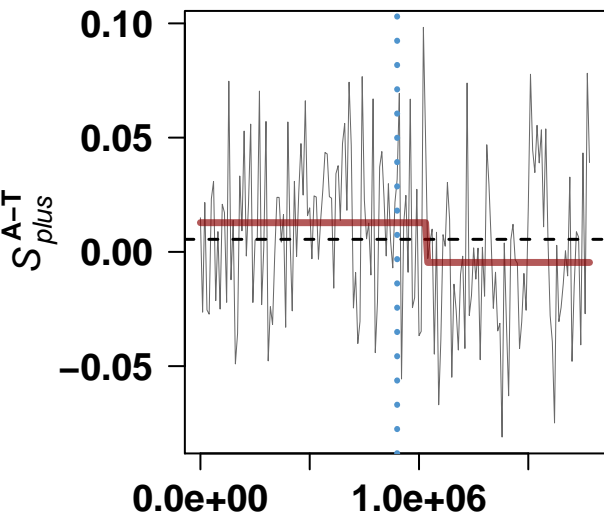


genome coordinates

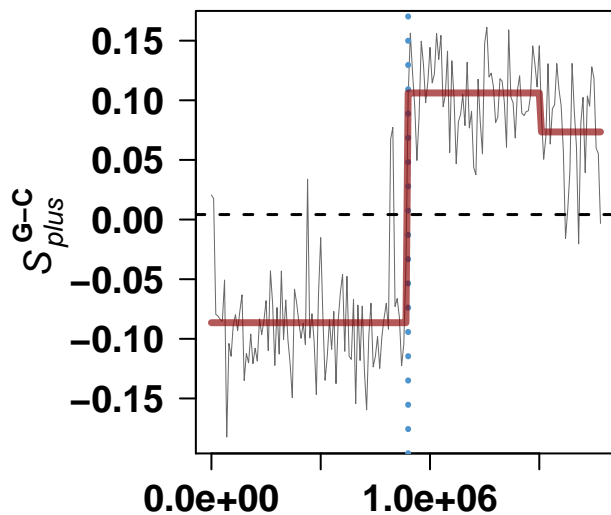


genome coordinates

Streptococcus thermophilus CNRZ1066

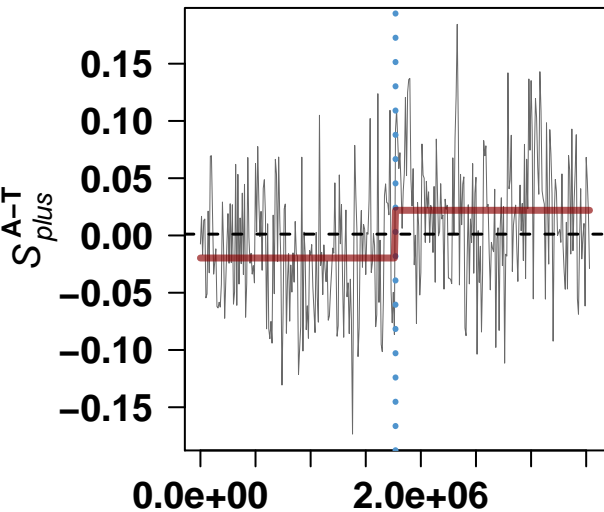


genome coordinates

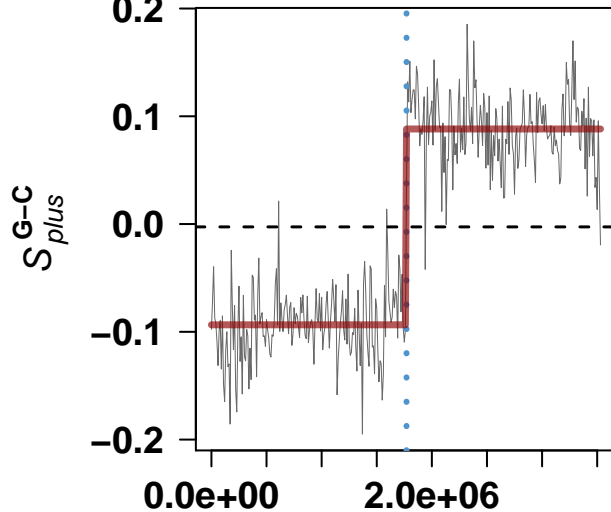


genome coordinates

Geobacillus kaustophilus HTA426

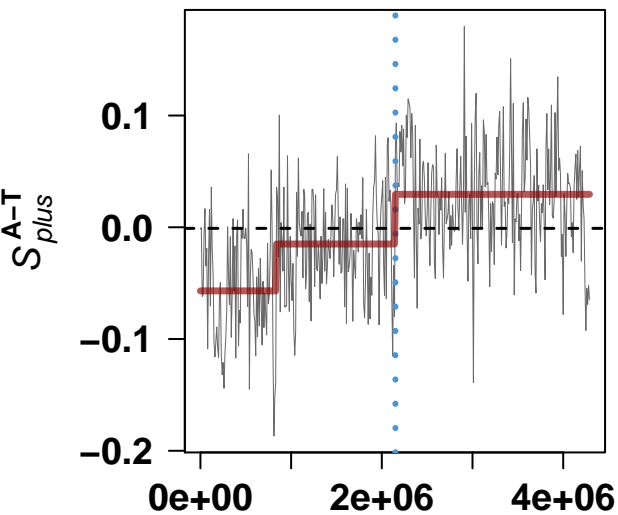


genome coordinates

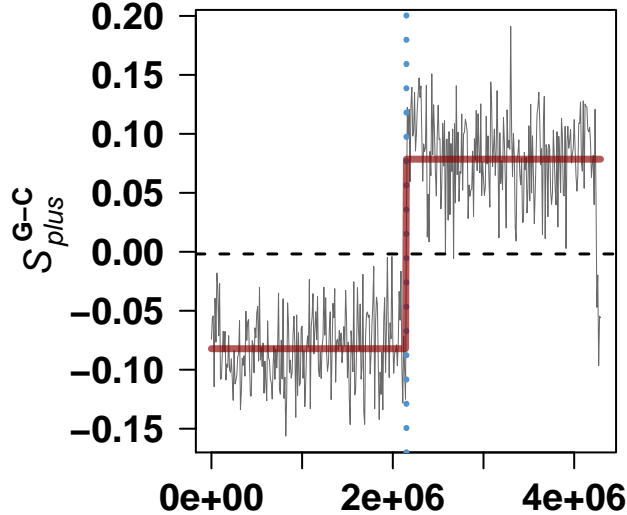


genome coordinates

Bacillus clausii KSM-K16

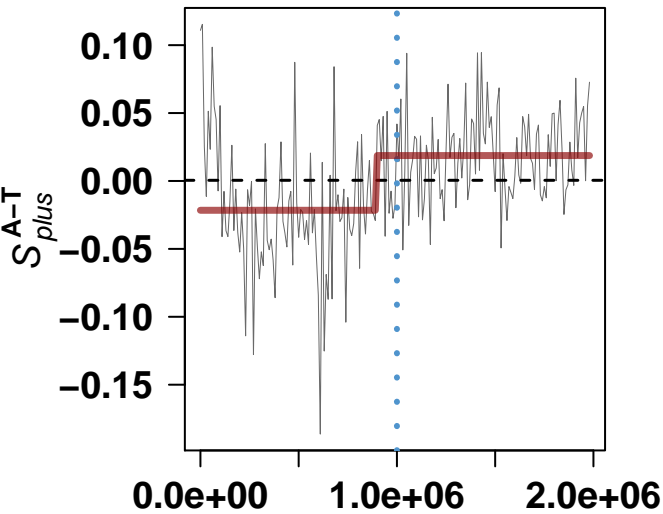


genome coordinates

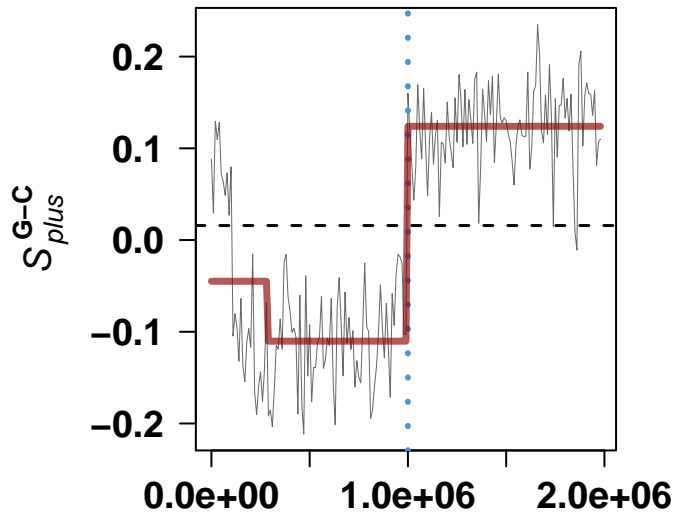


genome coordinates

Lactobacillus acidophilus NCFM

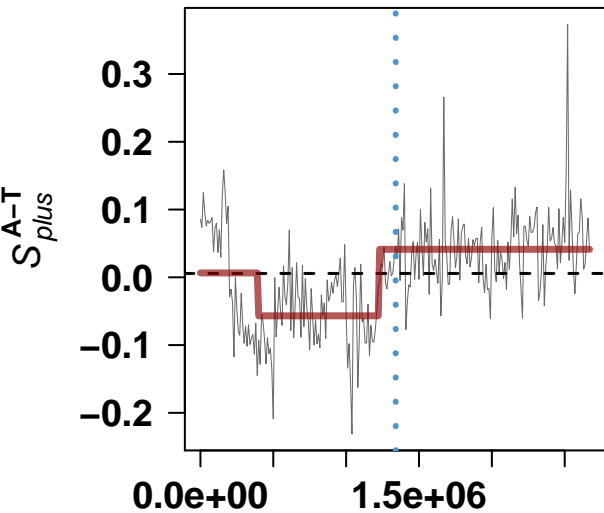


genome coordinates

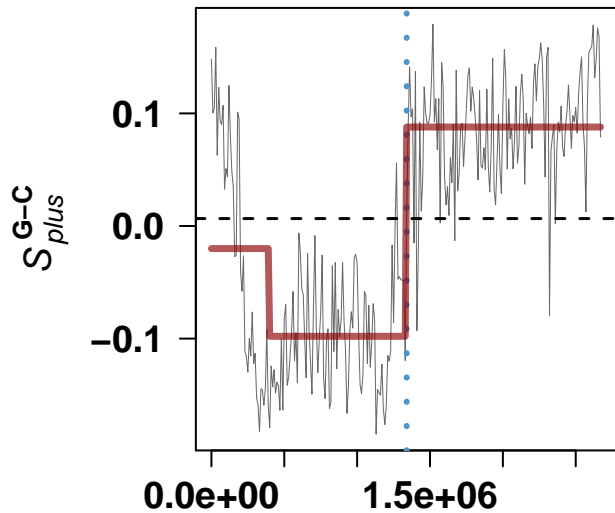


genome coordinates

Staphylococcus haemolyticus JCSC1435

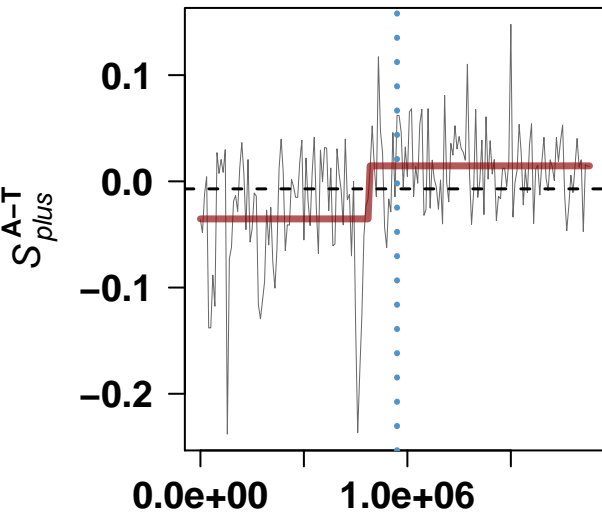


genome coordinates

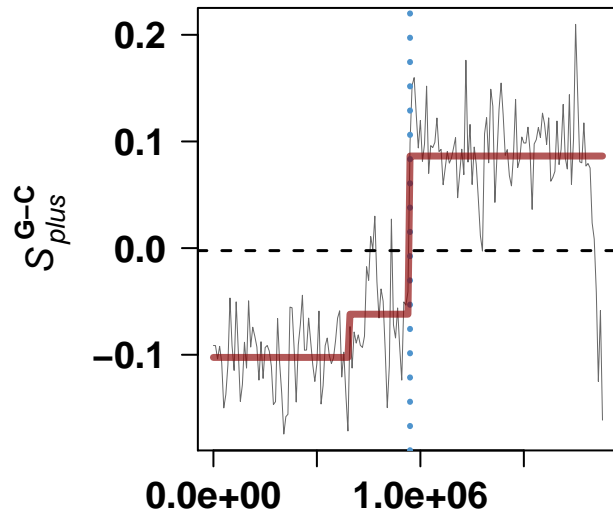


genome coordinates

Streptococcus pyogenes MGAS6180

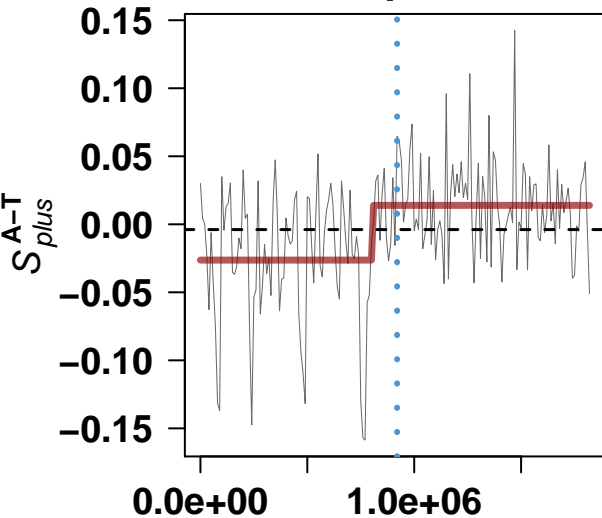


genome coordinates

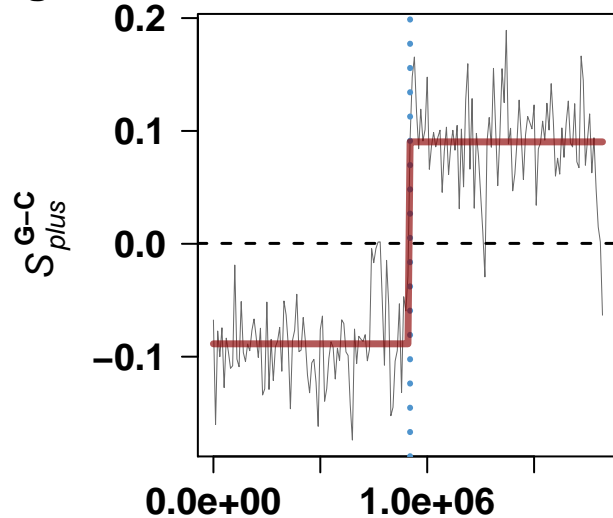


genome coordinates

Streptococcus pyogenes MGAS5005

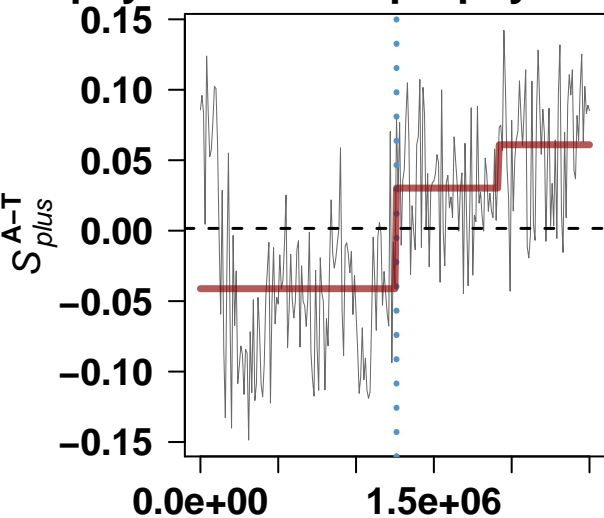


genome coordinates

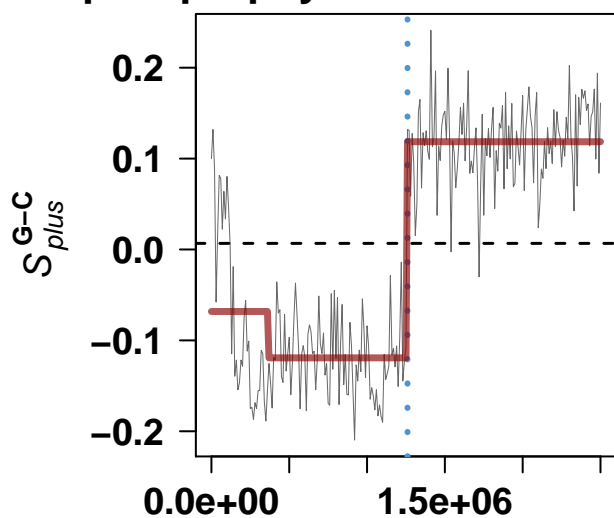


genome coordinates

Staphylococcus saprophyticus subsp. saprophyticus ATCC 15305

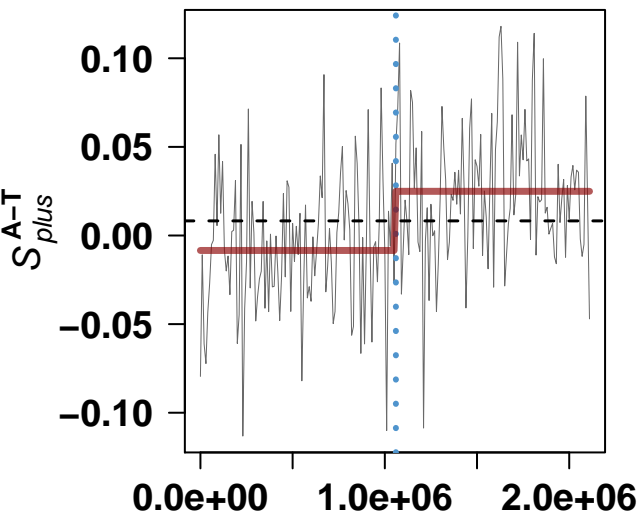


genome coordinates

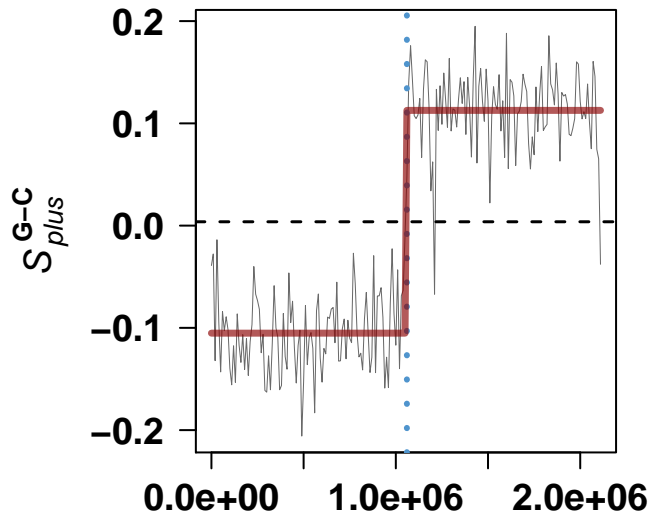


genome coordinates

Streptococcus agalactiae A909

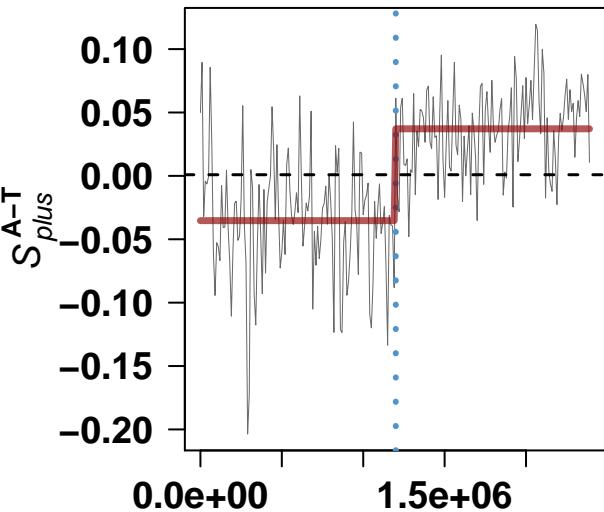


genome coordinates

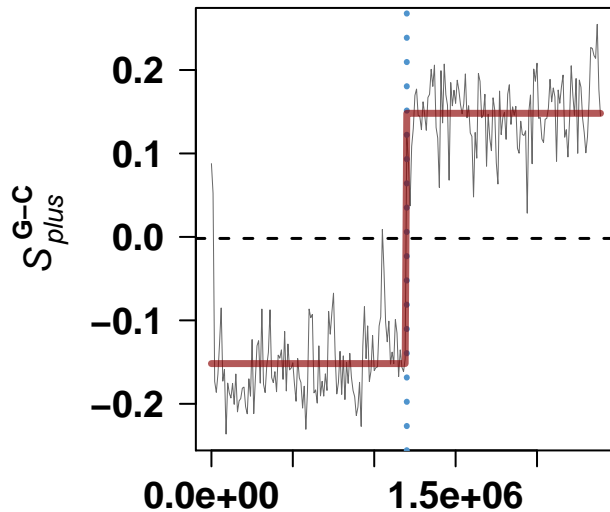


genome coordinates

Carboxydotherrmus hydrogenoformans Z-2901

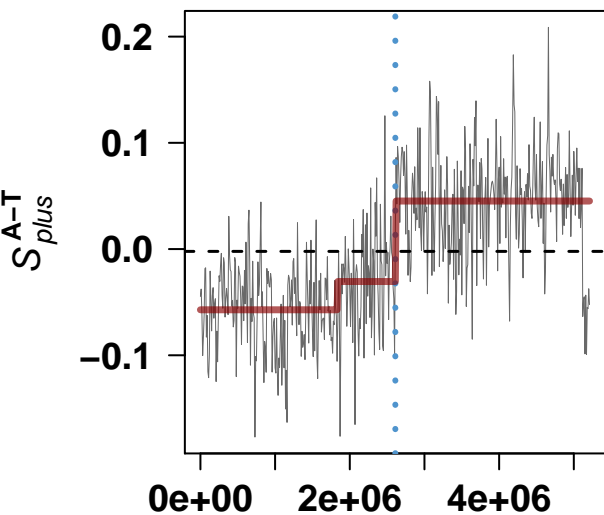


genome coordinates

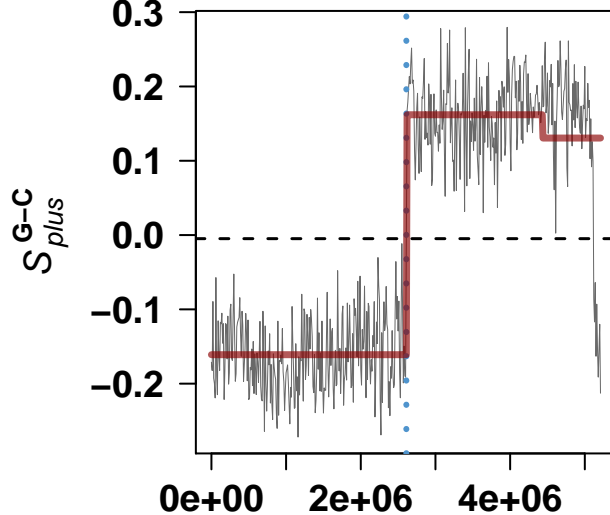


genome coordinates

Bacillus anthracis str. 'Ames Ancestor'

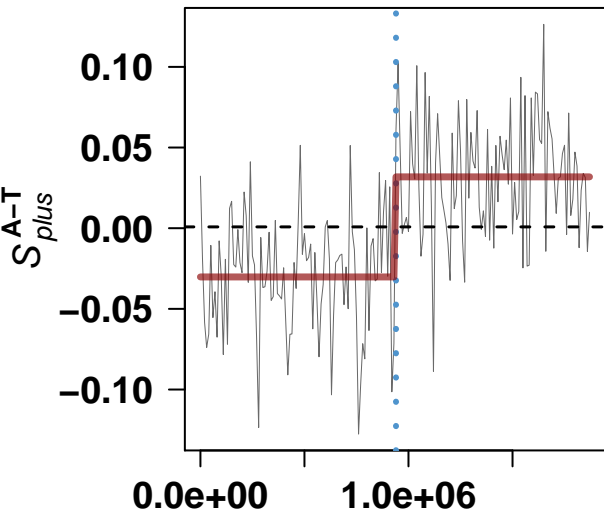


genome coordinates

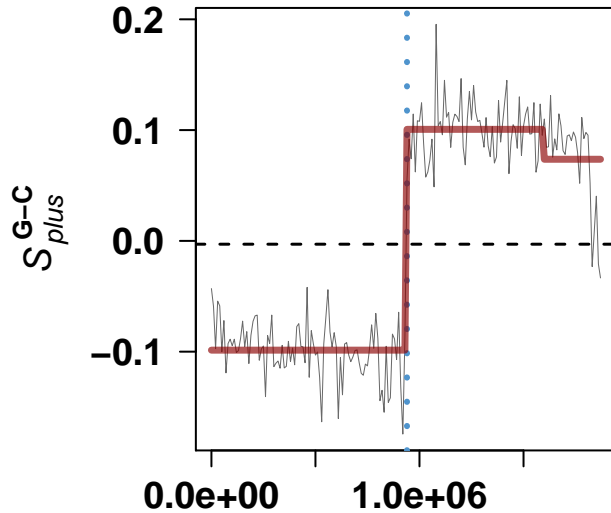


genome coordinates

Lactobacillus sakei subsp. sakei 23K

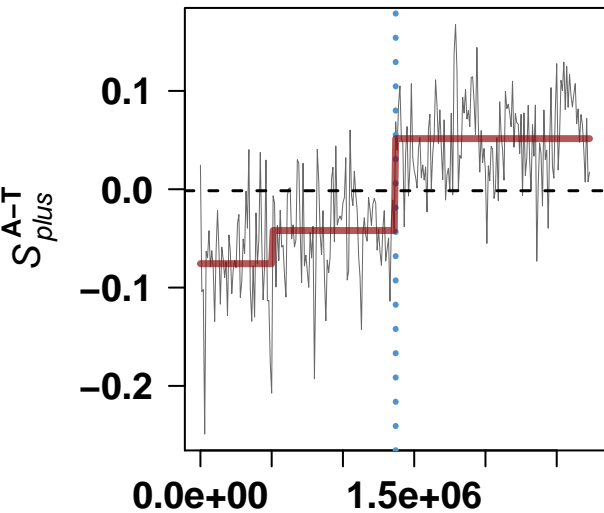


genome coordinates

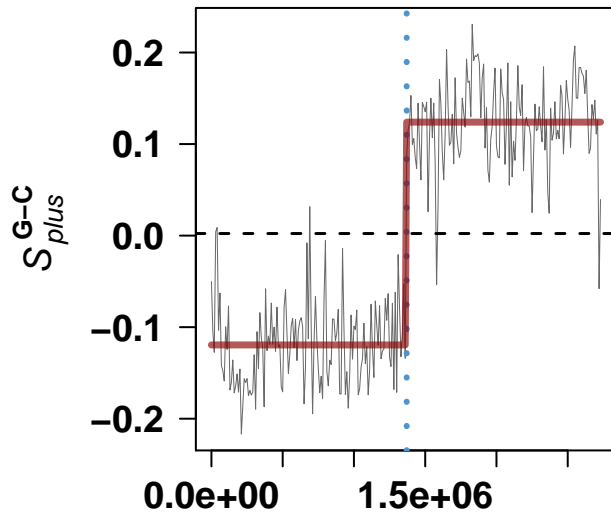


genome coordinates

Staphylococcus aureus RF122

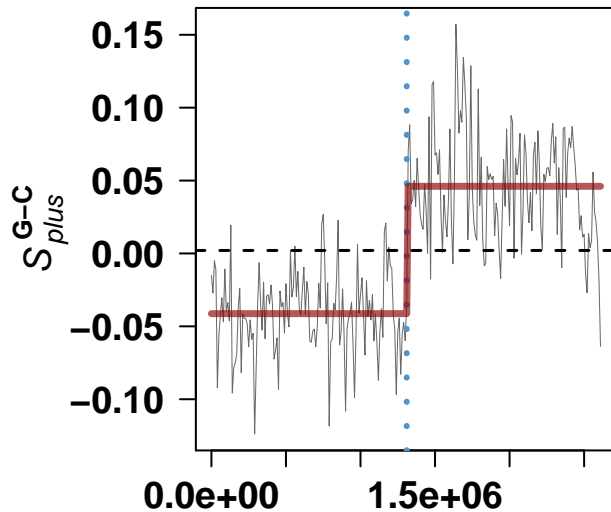
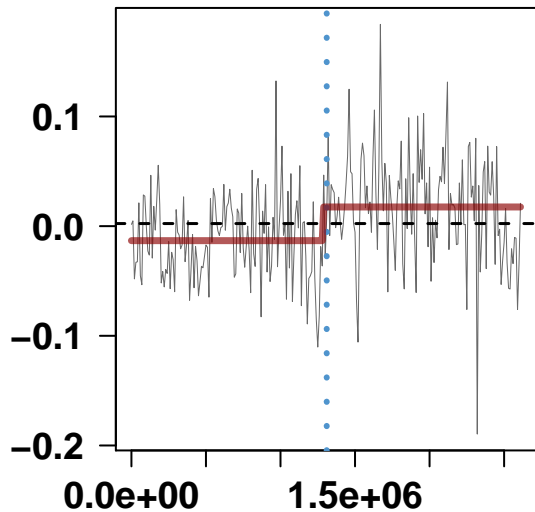


genome coordinates



genome coordinates

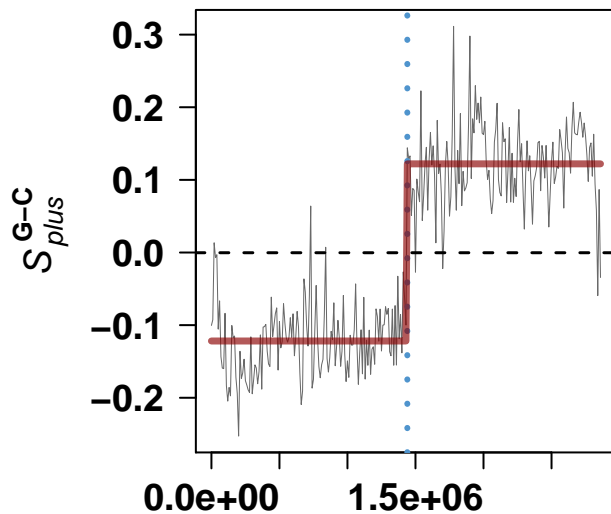
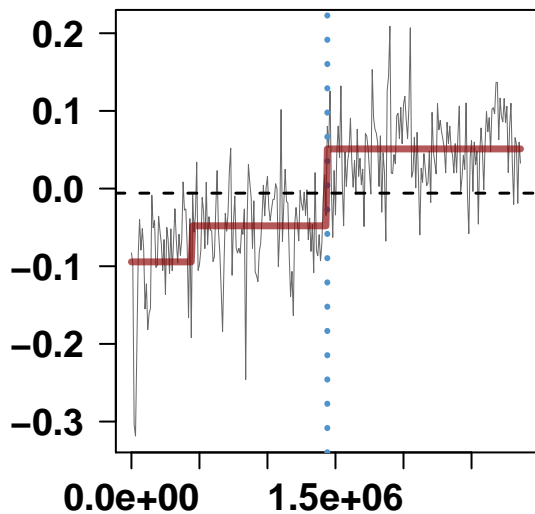
Moorella thermoacetica ATCC 39073



genome coordinates

genome coordinates

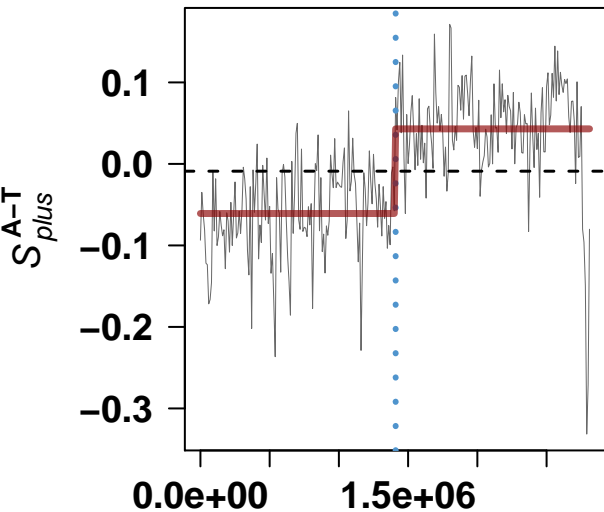
Staphylococcus aureus subsp. aureus USA300_FPR3757



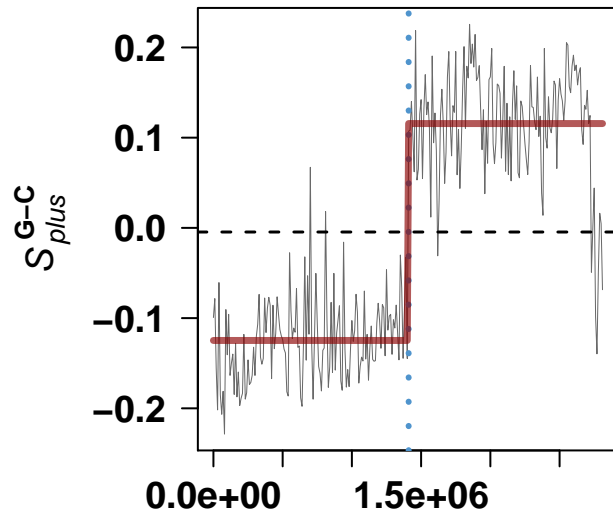
genome coordinates

genome coordinates

Staphylococcus aureus subsp. aureus NCTC 8325

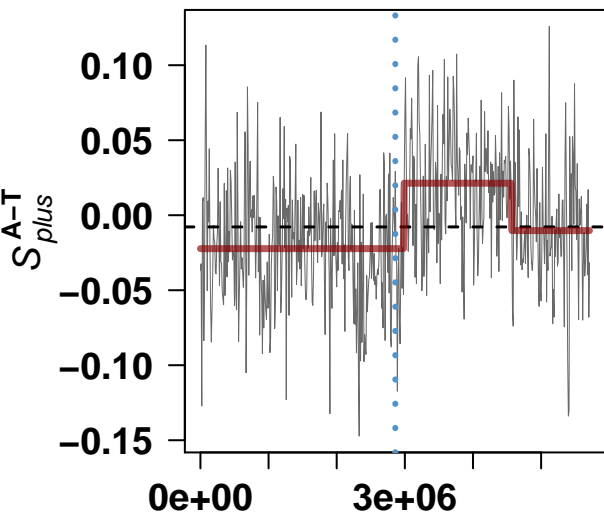


genome coordinates

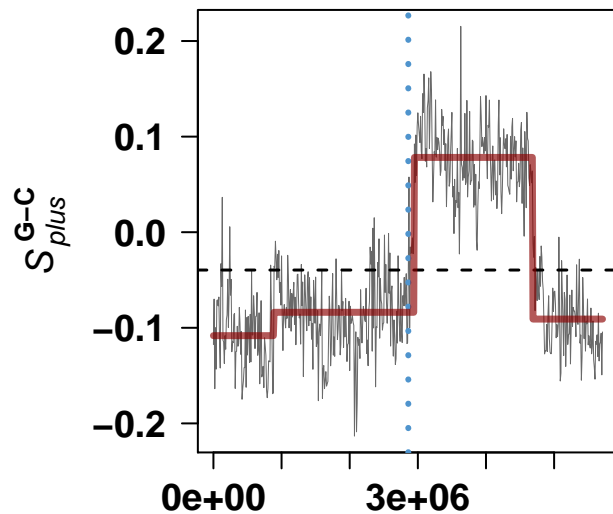


genome coordinates

Desulfitobacterium hafniense Y51

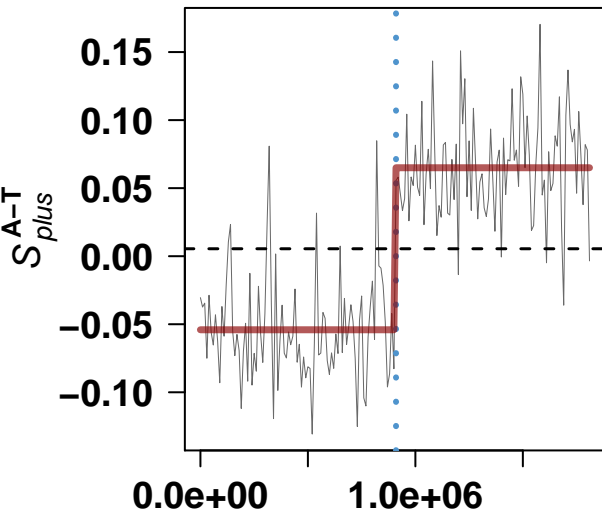


genome coordinates

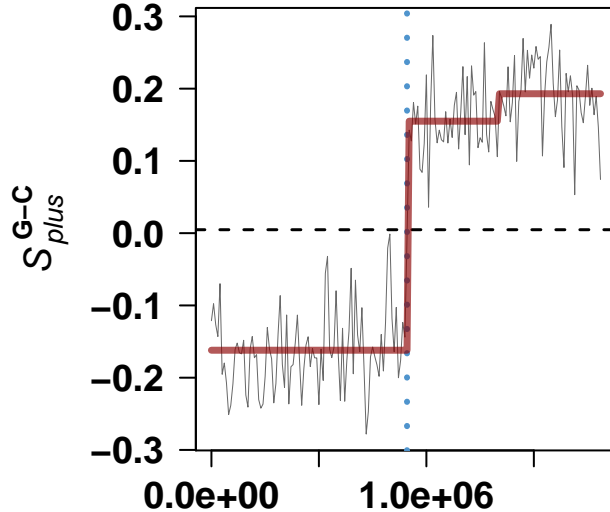


genome coordinates

Lactobacillus salivarius UCC118

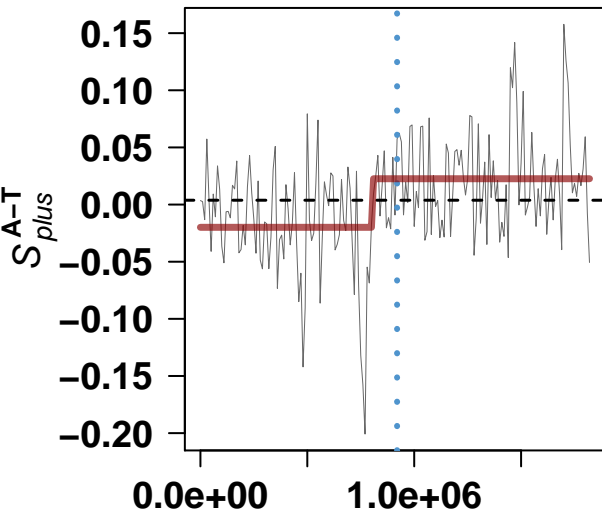


genome coordinates

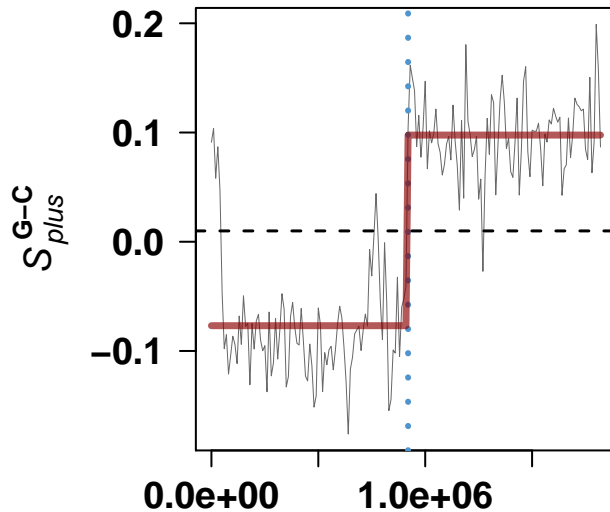


genome coordinates

Streptococcus pyogenes MGAS9429

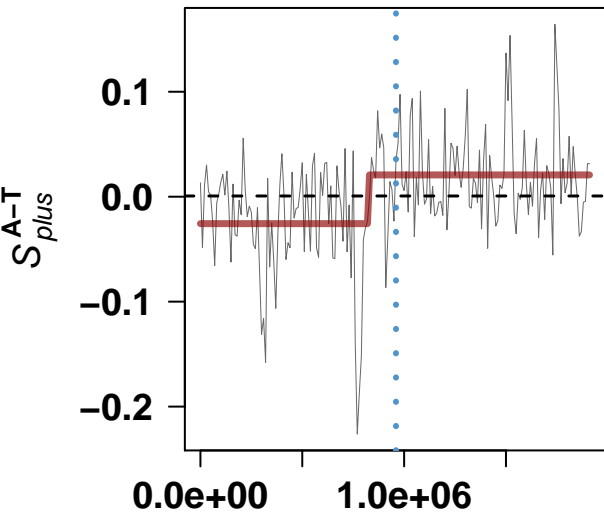


genome coordinates

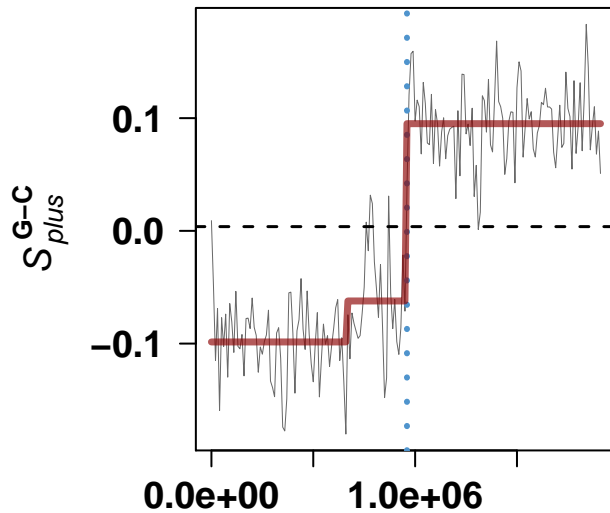


genome coordinates

Streptococcus pyogenes MGAS10270

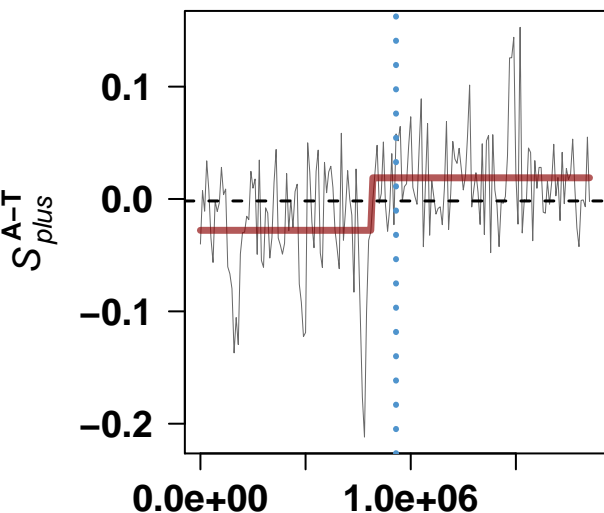


genome coordinates

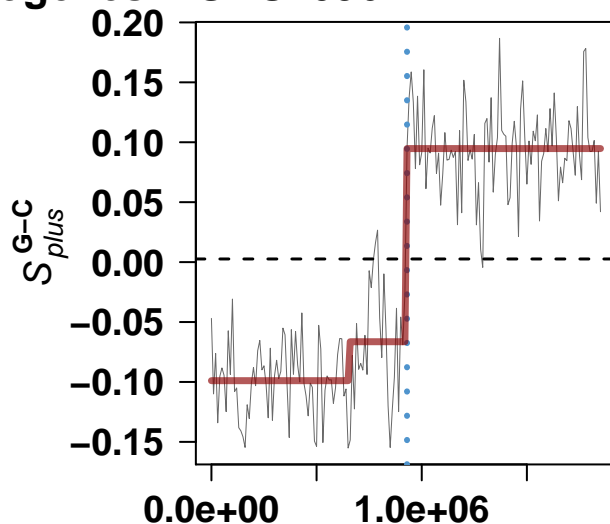


genome coordinates

Streptococcus pyogenes MGAS2096

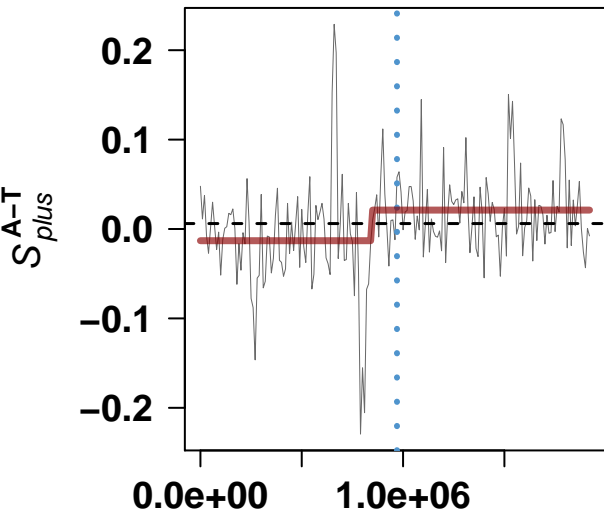


genome coordinates

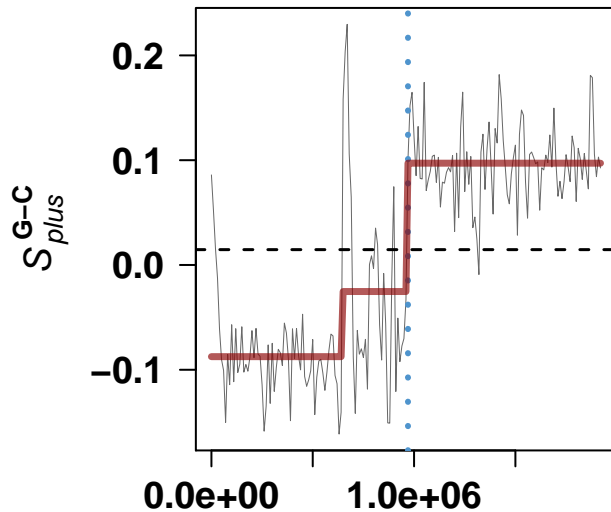


genome coordinates

Streptococcus pyogenes MGAS10750

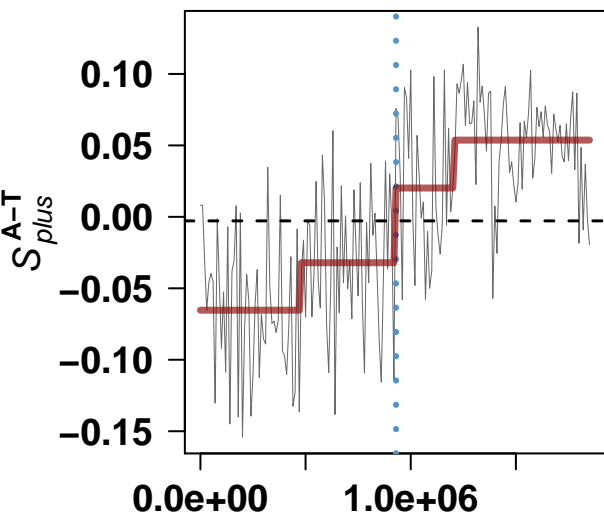


genome coordinates

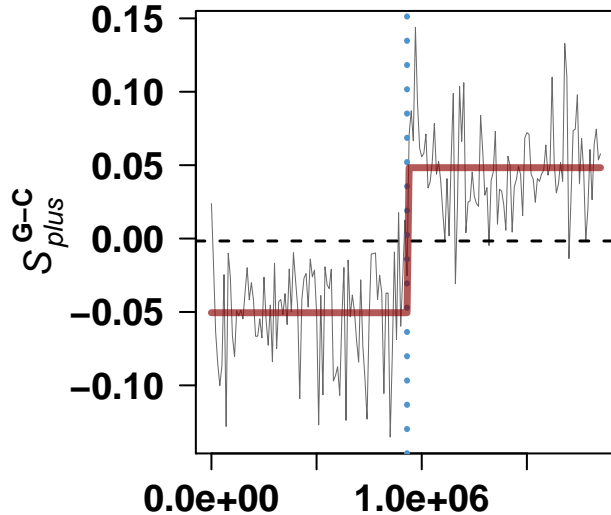


genome coordinates

Lactobacillus delbrueckii subsp. bulgaricus ATCC 11842

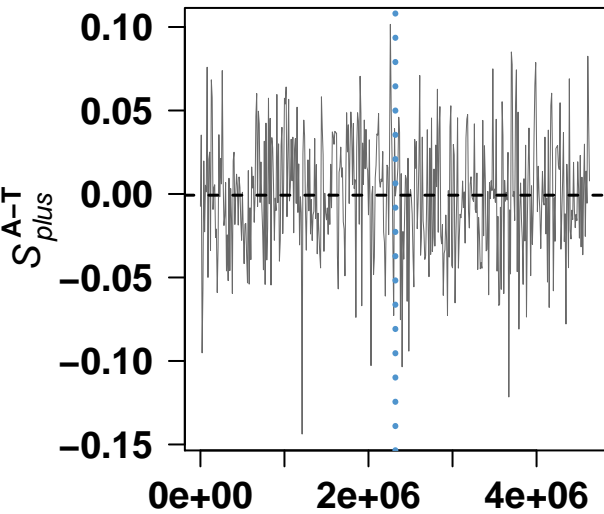


genome coordinates

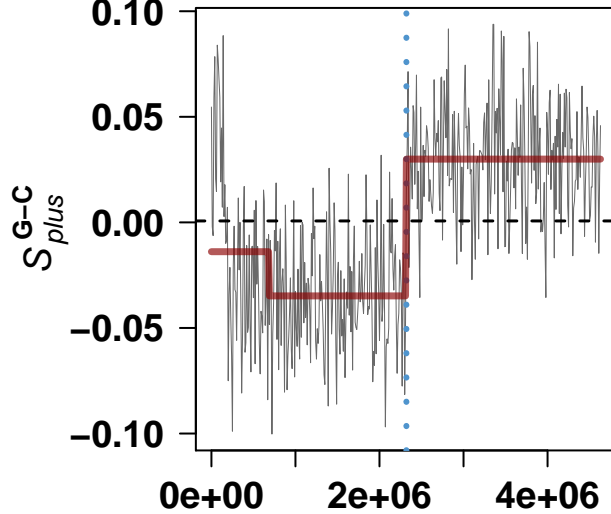


genome coordinates

Escherichia coli str. K-12 substr. W3110

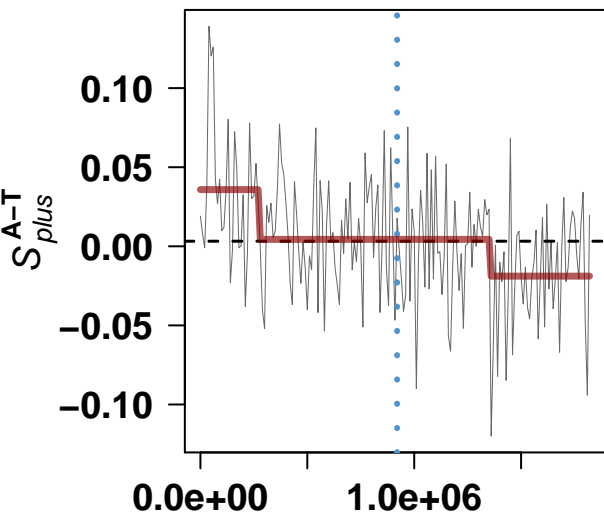


genome coordinates

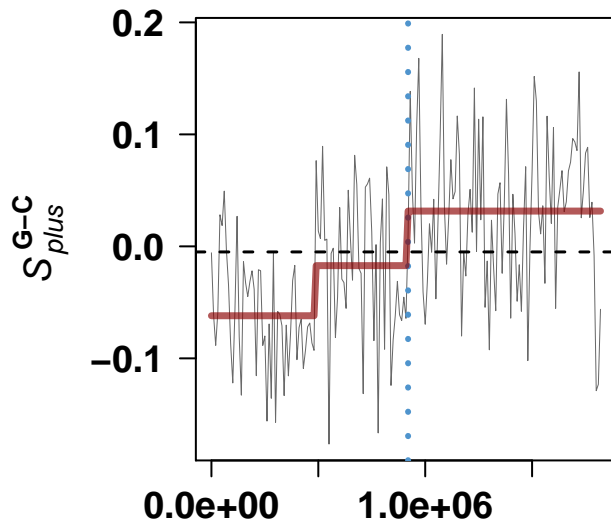


genome coordinates

Haemophilus influenzae Rd KW20

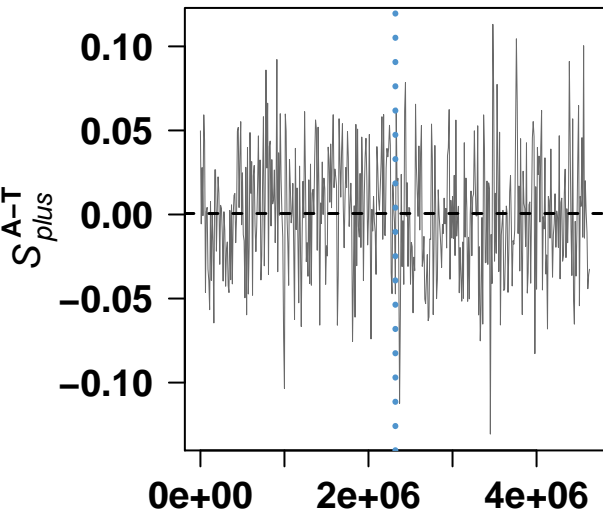


genome coordinates

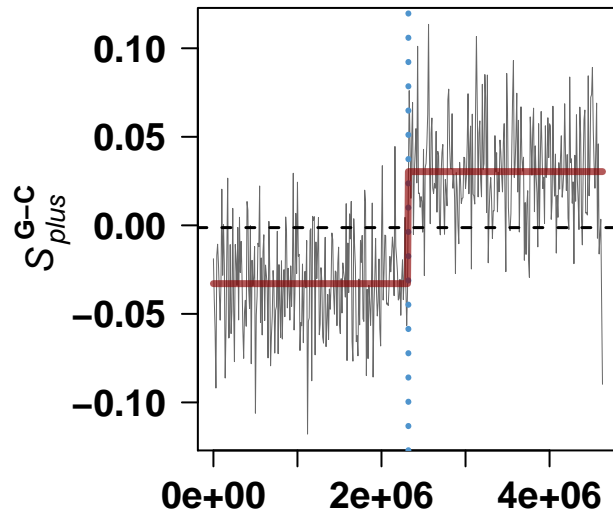


genome coordinates

Escherichia coli str. K-12 substr. MG1655

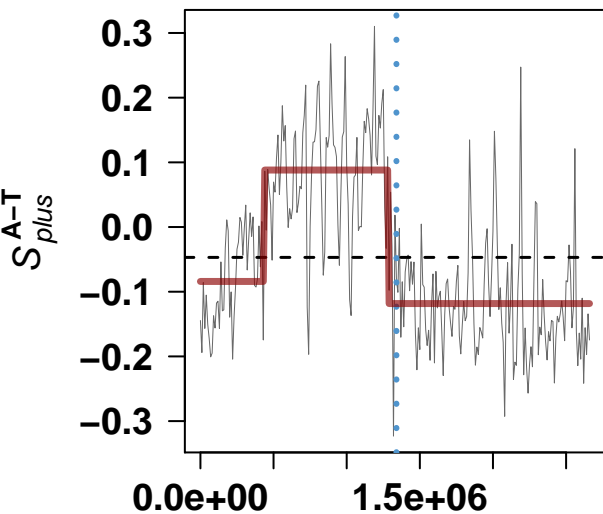


genome coordinates

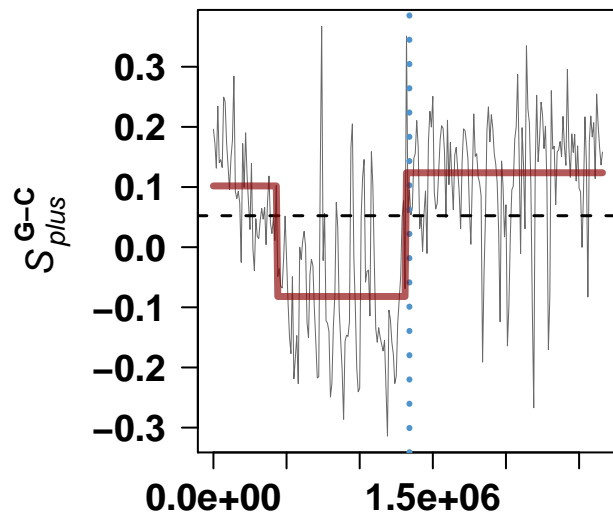


genome coordinates

Xylella fastidiosa 9a5c

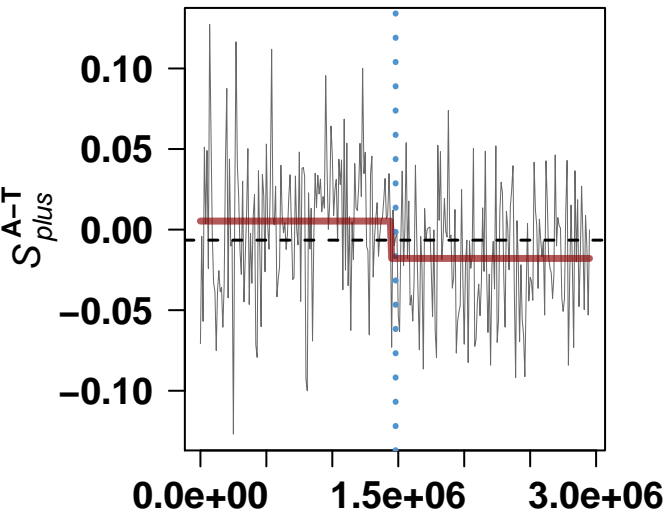


genome coordinates

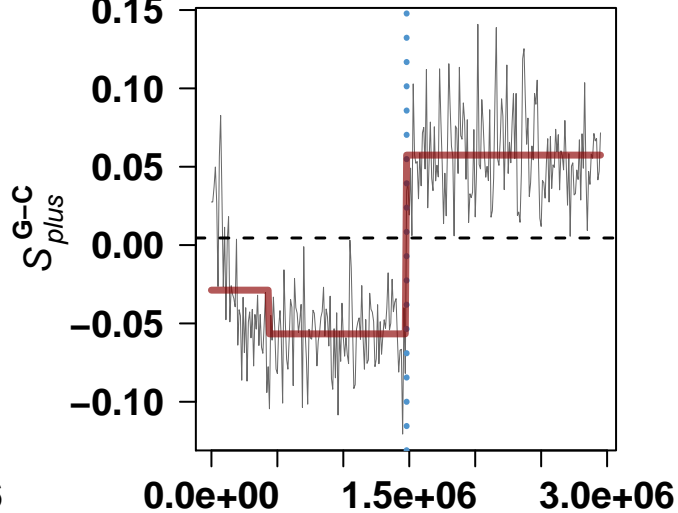


genome coordinates

Vibrio cholerae O1 biovar El Tor str. N16961

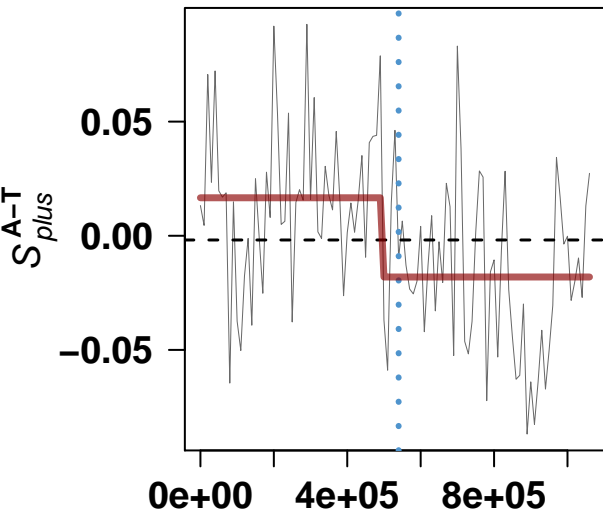


genome coordinates

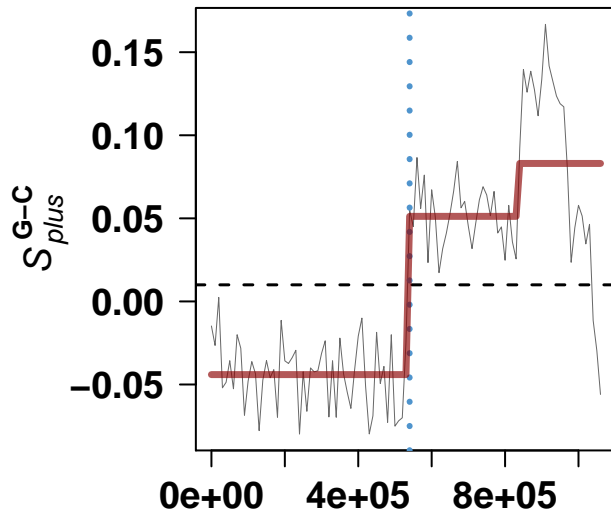


genome coordinates

Vibrio cholerae O1 biovar El Tor str. N16961

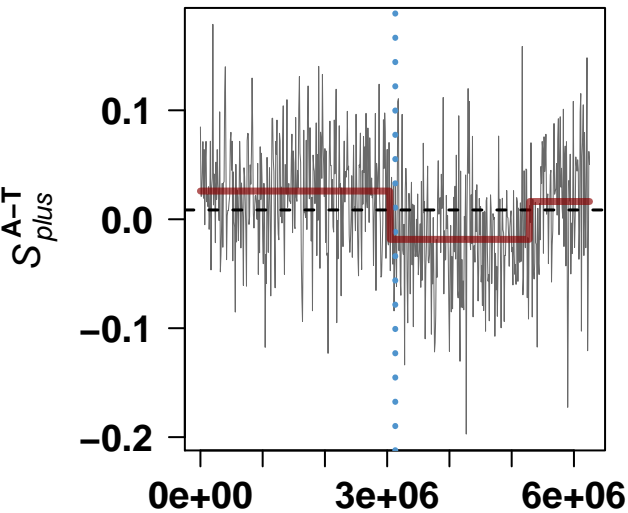


genome coordinates

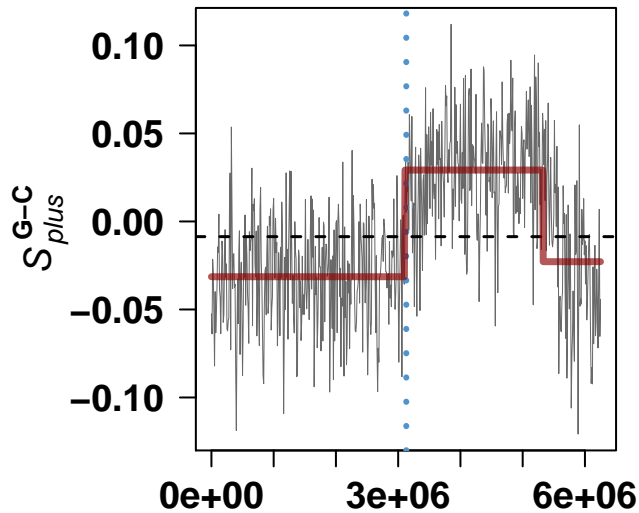


genome coordinates

Pseudomonas aeruginosa PAO1

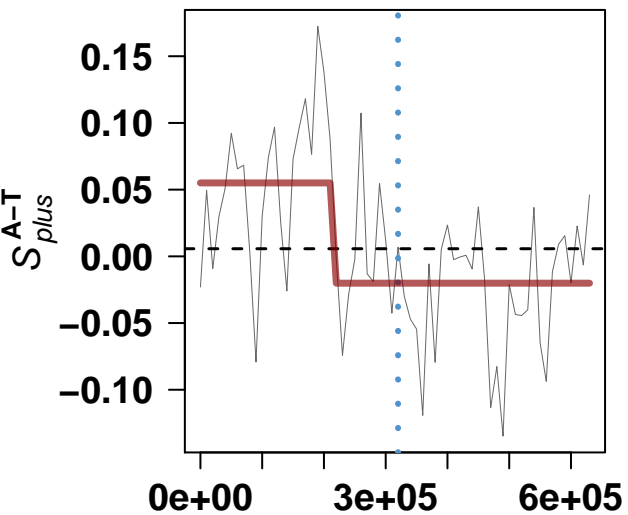


genome coordinates

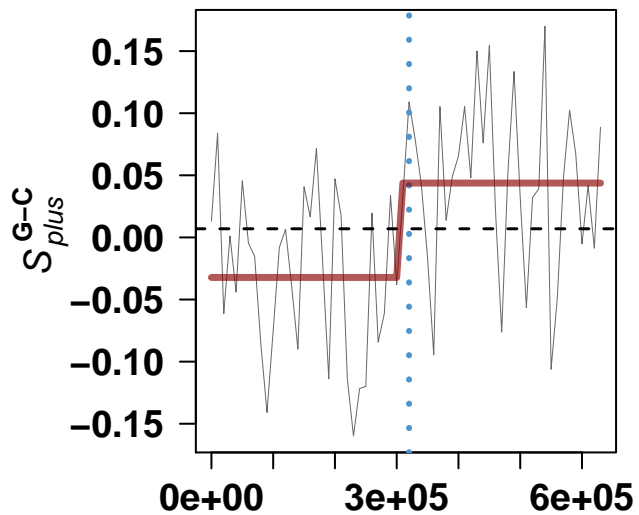


genome coordinates

Buchnera aphidicola str. APS (*Acyrtosiphon pisum*)

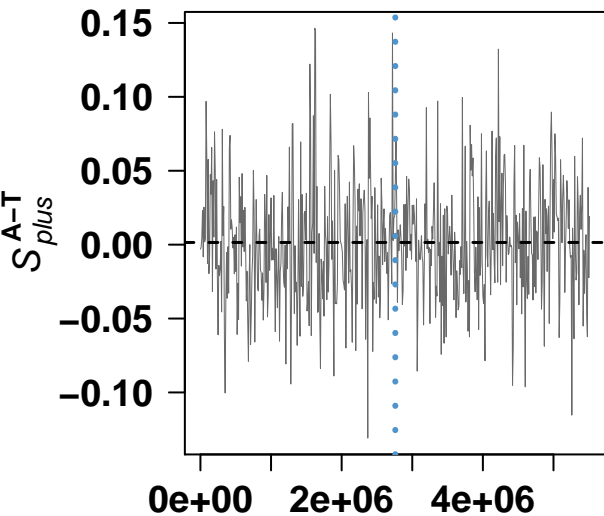


genome coordinates

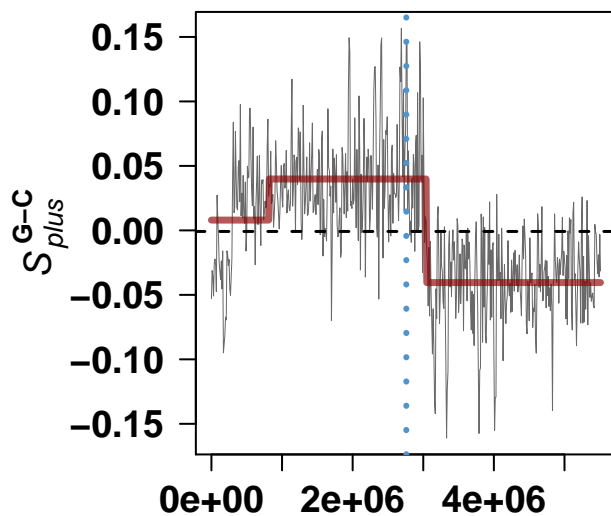


genome coordinates

Escherichia coli O157:H7 str. EDL933

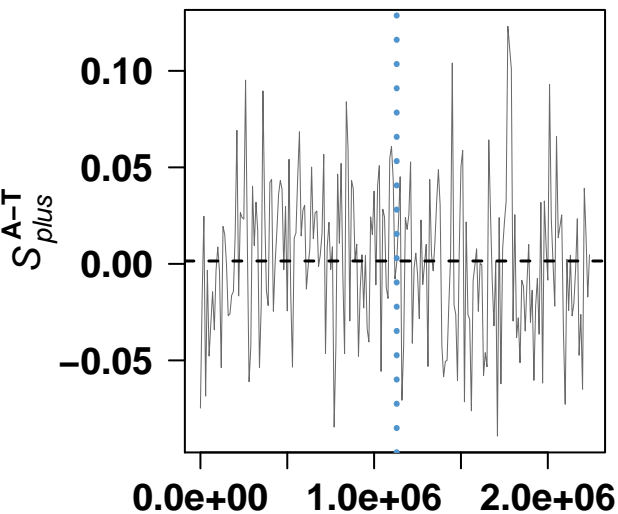


genome coordinates

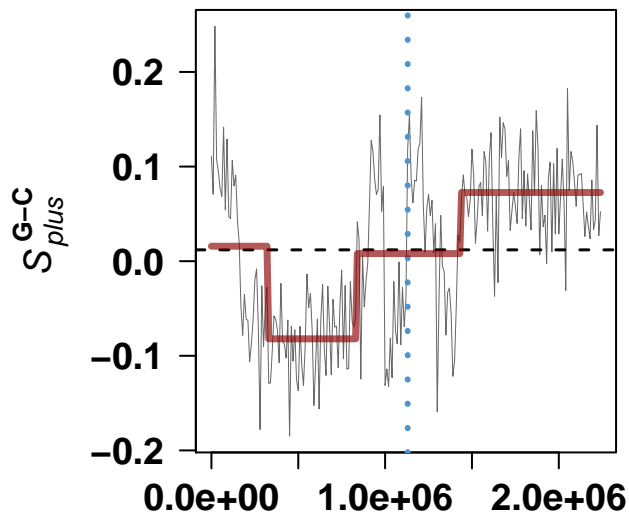


genome coordinates

Pasteurella multocida subsp. *multocida* str. Pm70

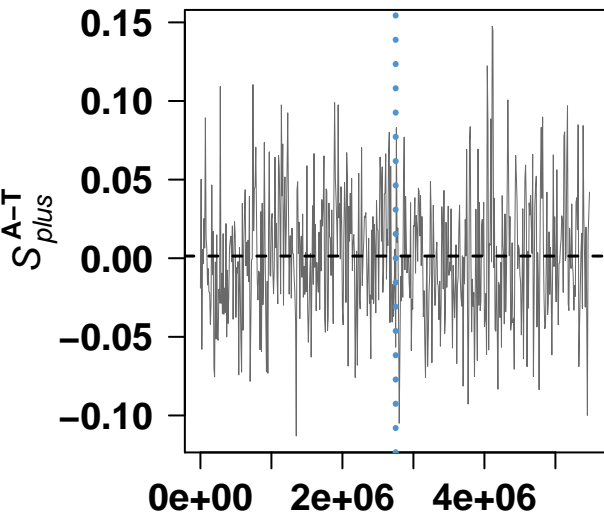


genome coordinates

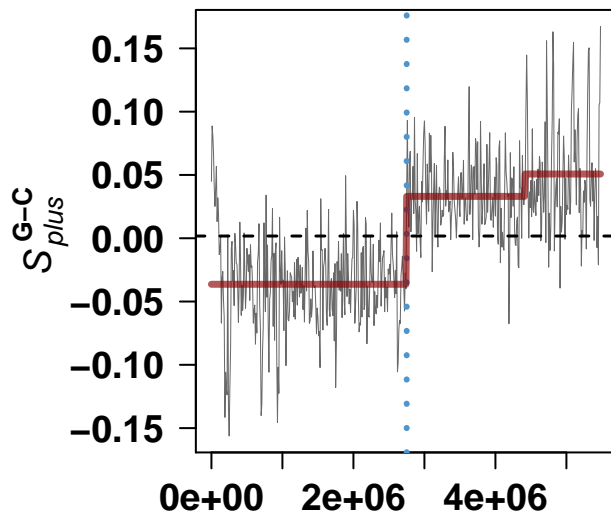


genome coordinates

Escherichia coli O157:H7 str. Sakai

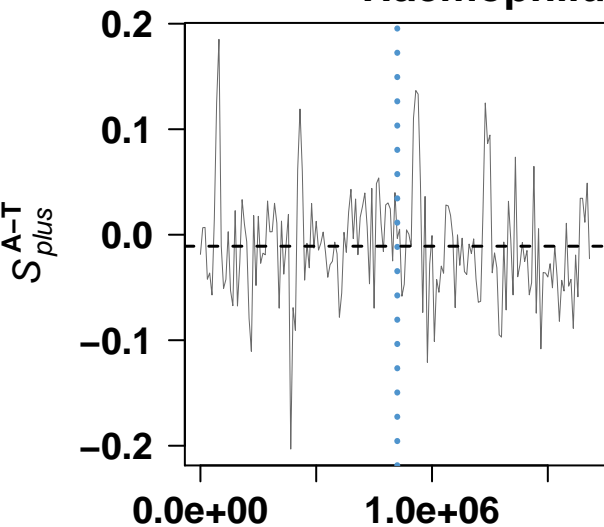


genome coordinates

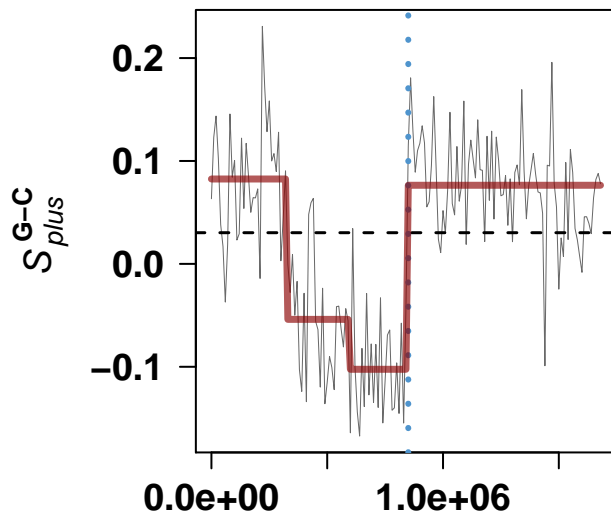


genome coordinates

Haemophilus ducreyi 35000HP

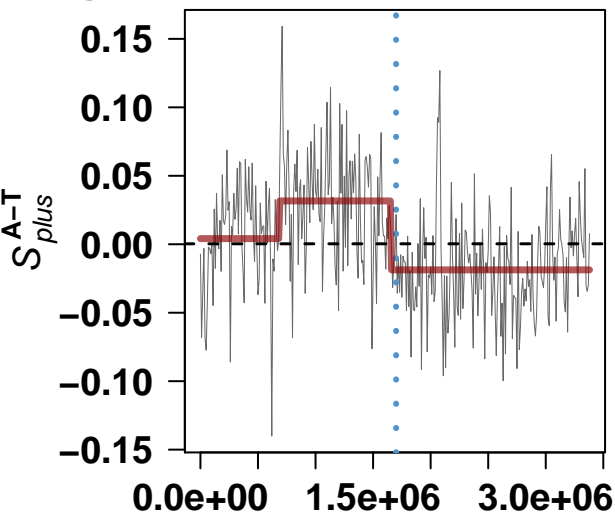


genome coordinates

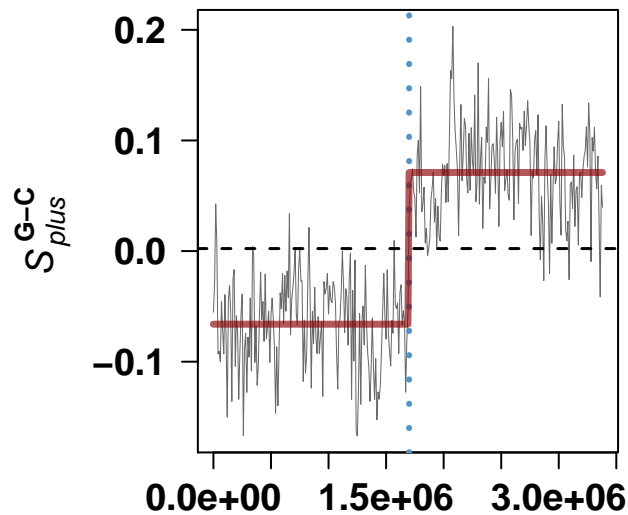


genome coordinates

Legionella pneumophila subsp. *pneumophila* str. Philadelphia 1

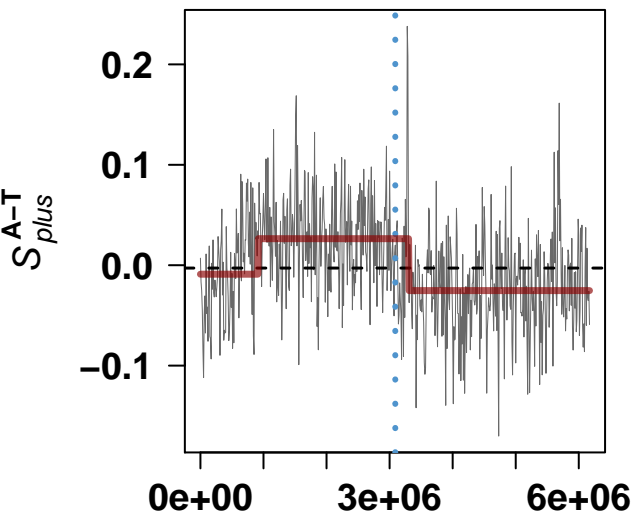


genome coordinates

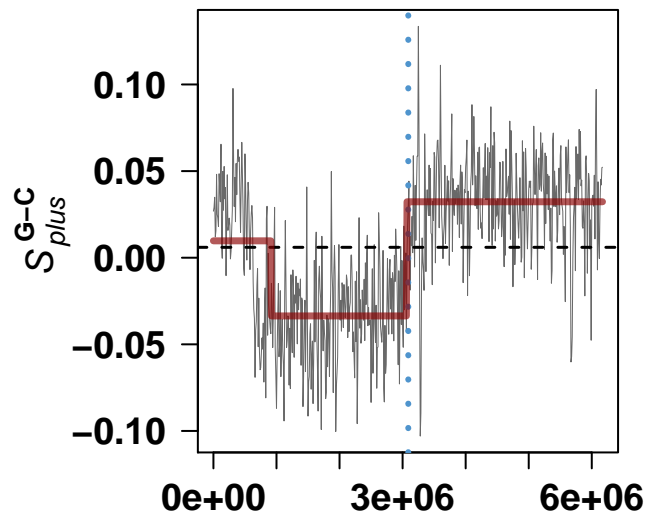


genome coordinates

Pseudomonas putida KT2440

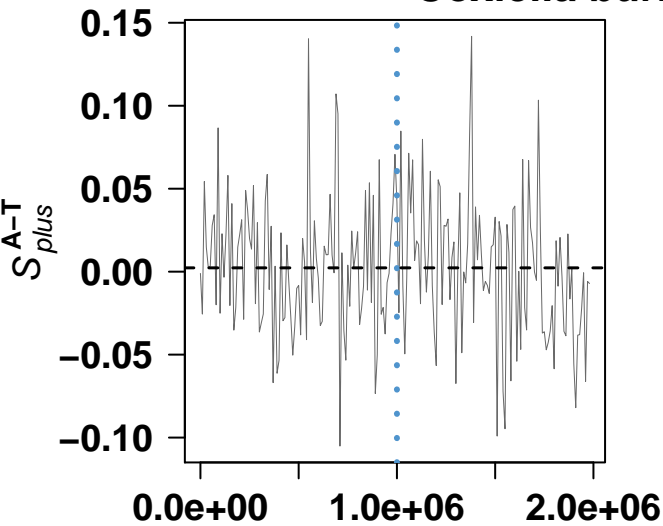


genome coordinates

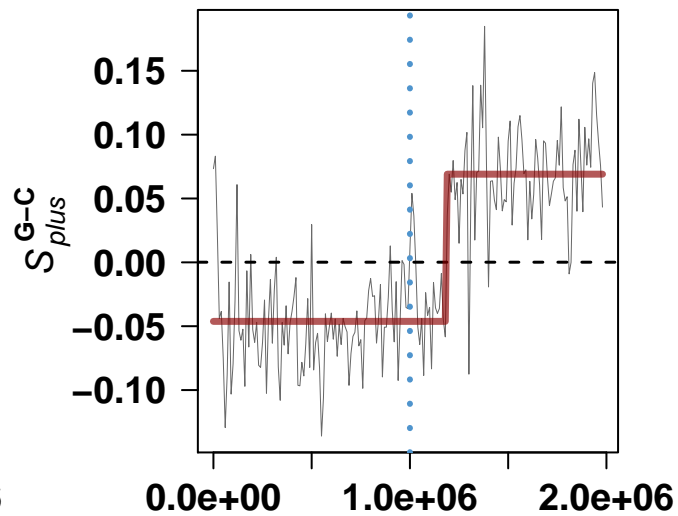


genome coordinates

Coxiella burnetii RSA 493

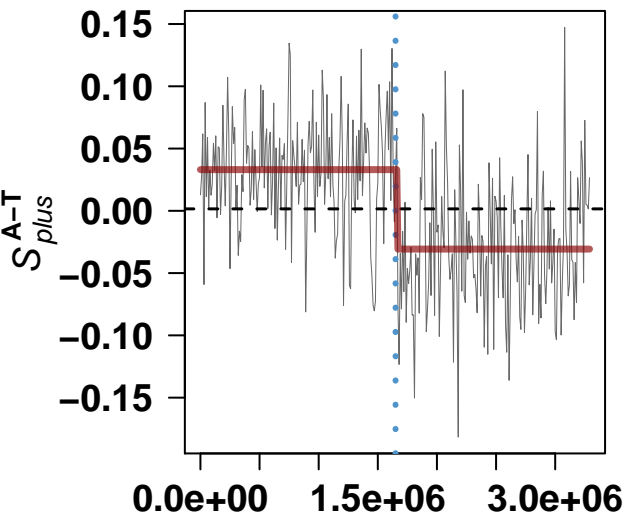


genome coordinates

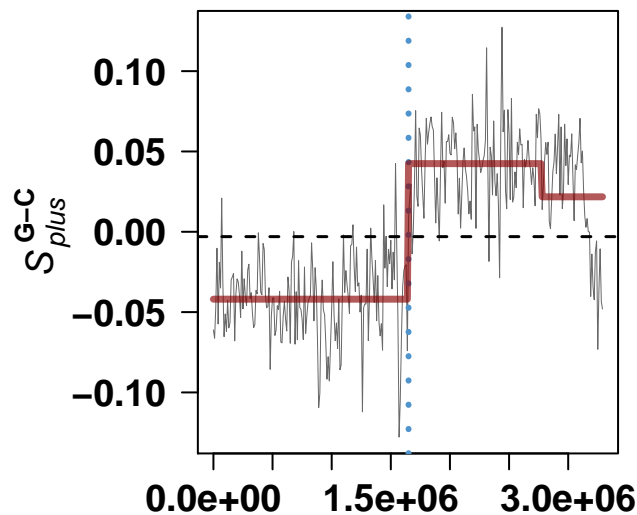


genome coordinates

Methylococcus capsulatus str. Bath

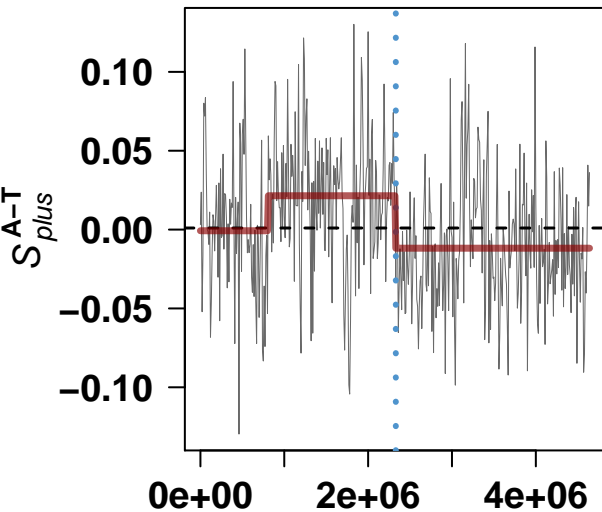


genome coordinates

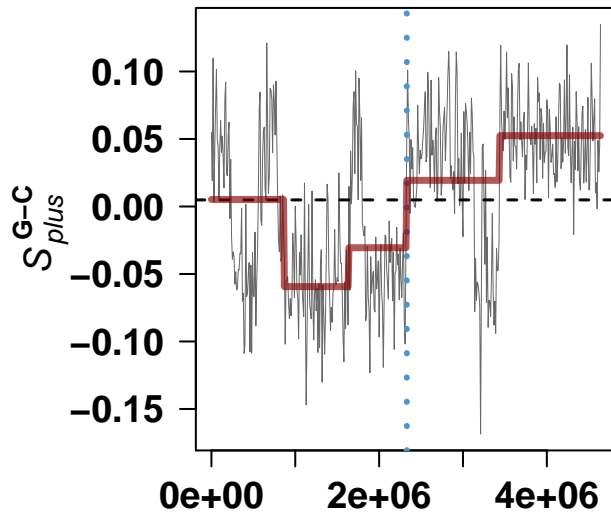


genome coordinates

Yersinia pestis CO92

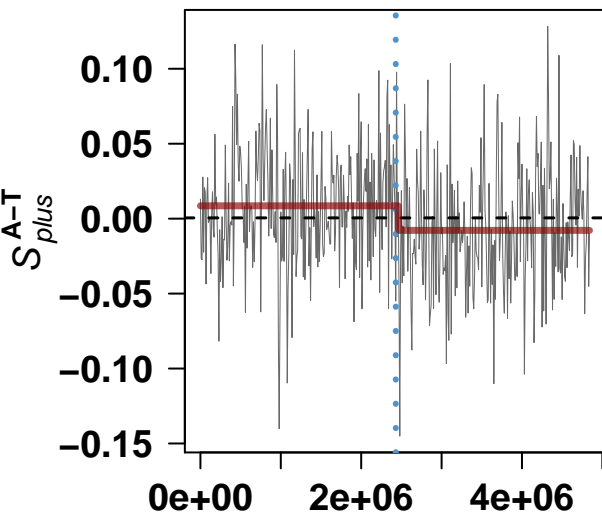


genome coordinates

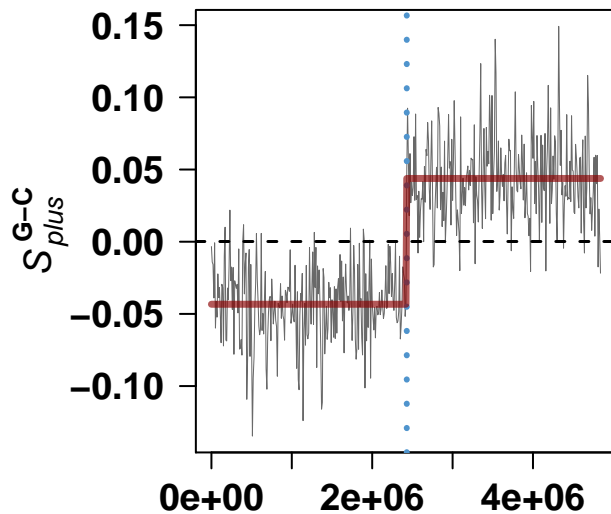


genome coordinates

Salmonella enterica subsp. enterica serovar Typhimurium str. LT2

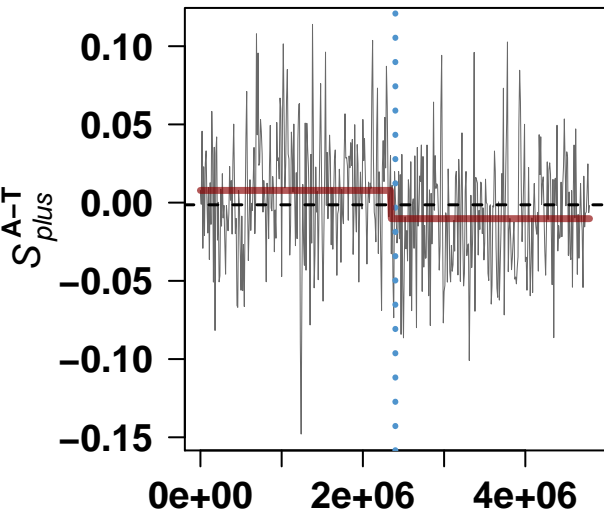


genome coordinates

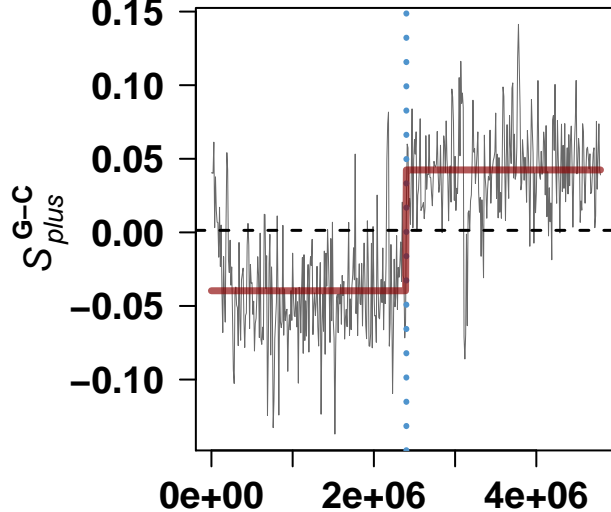


genome coordinates

Salmonella enterica subsp. enterica serovar Typhi str. CT18

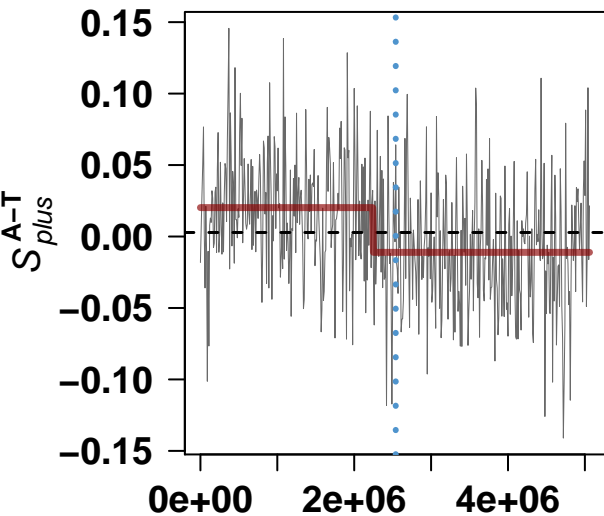


genome coordinates

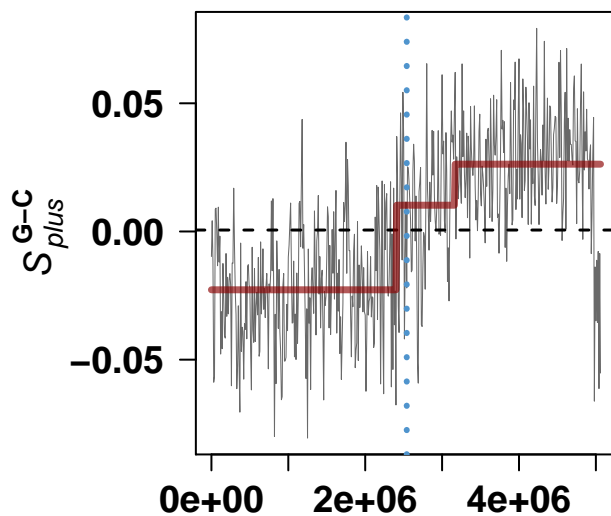


genome coordinates

Xanthomonas campestris pv. campestris str. ATCC 33913

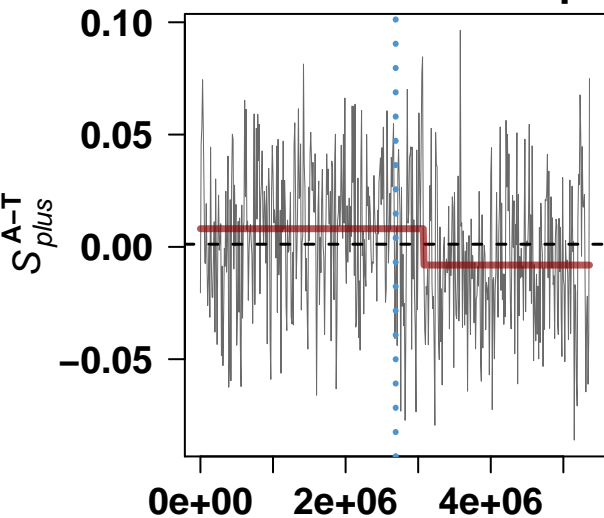


genome coordinates

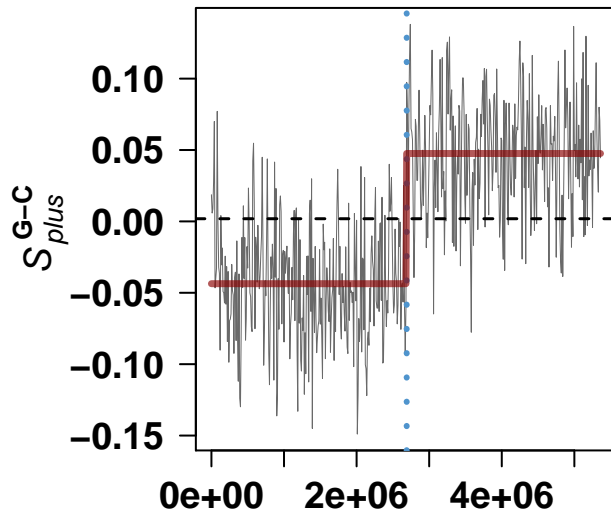


genome coordinates

Colwellia psychrerythraea 34H

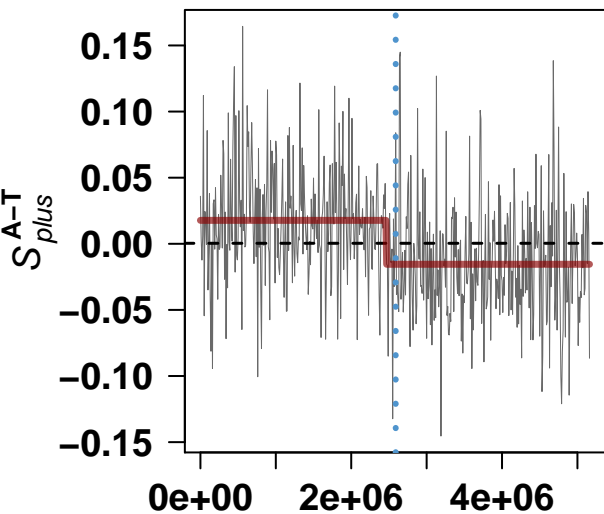


genome coordinates

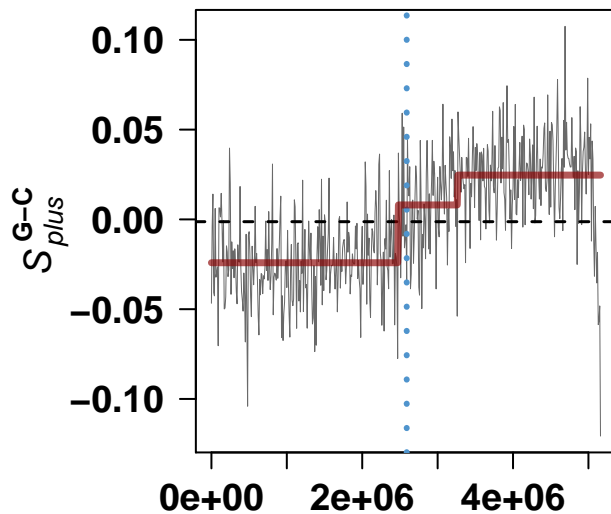


genome coordinates

Xanthomonas axonopodis pv. *citri* str. 306

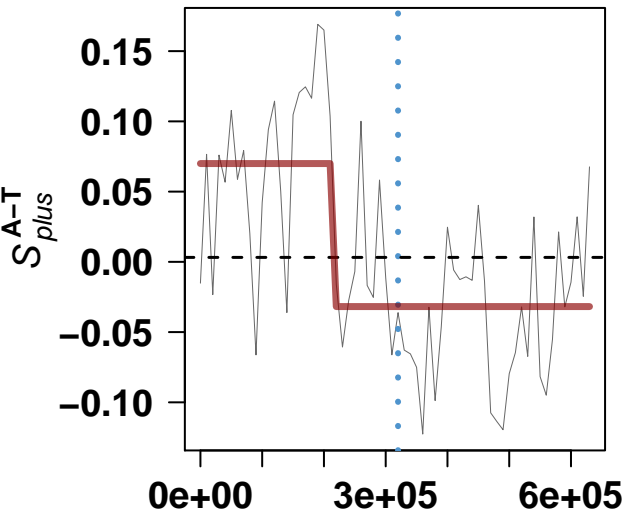


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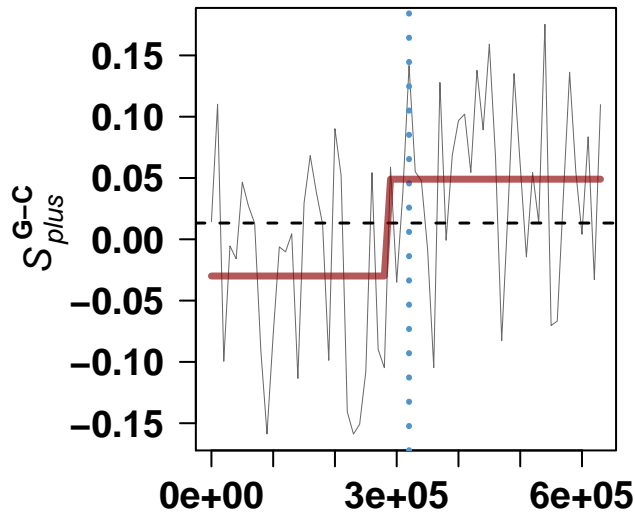


genome coordinates

Buchnera aphidicola str. Sg (Schizaphis graminum)

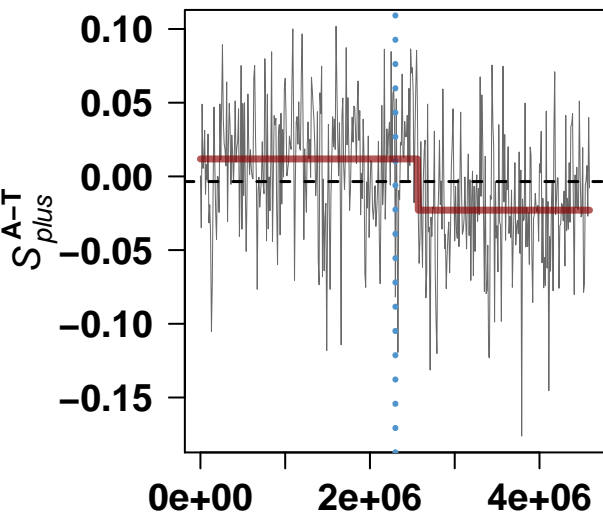


genome coordinates

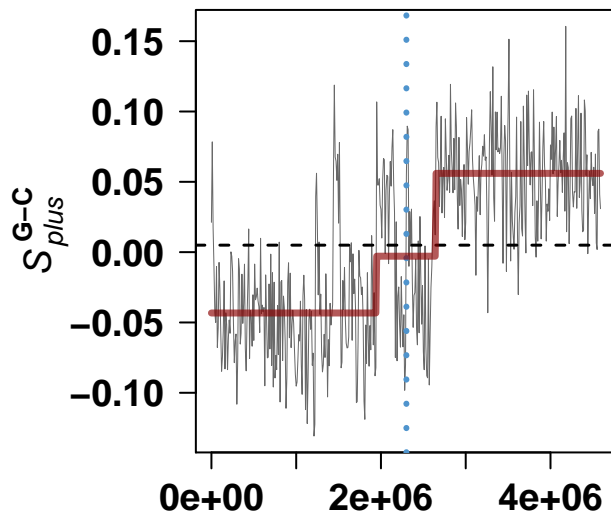


genome coordinates

Yersinia pestis KIM10+

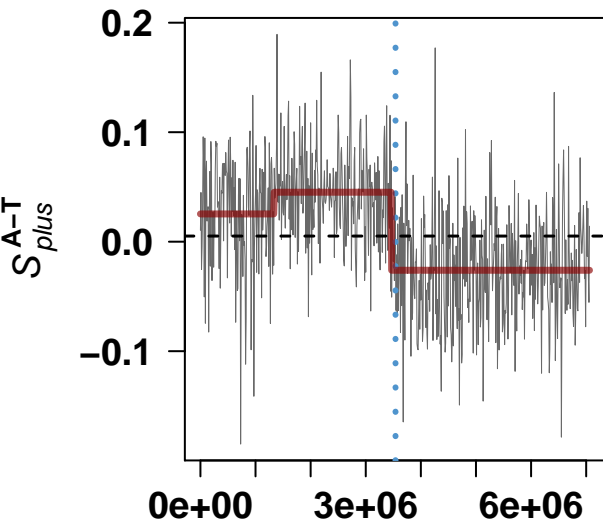


genome coordinates

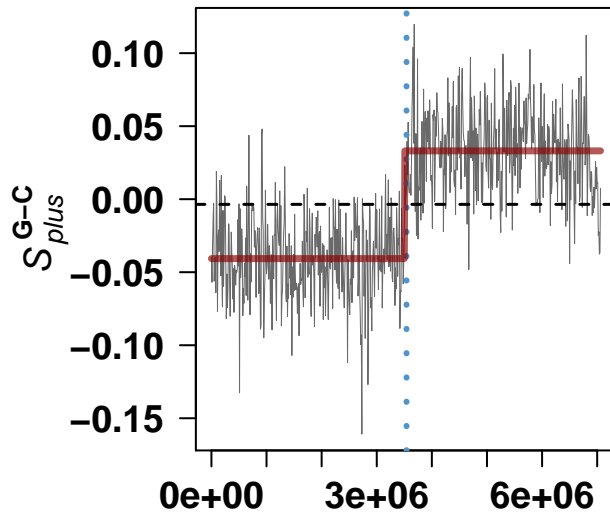


genome coordinates

Pseudomonas protegens Pf-5

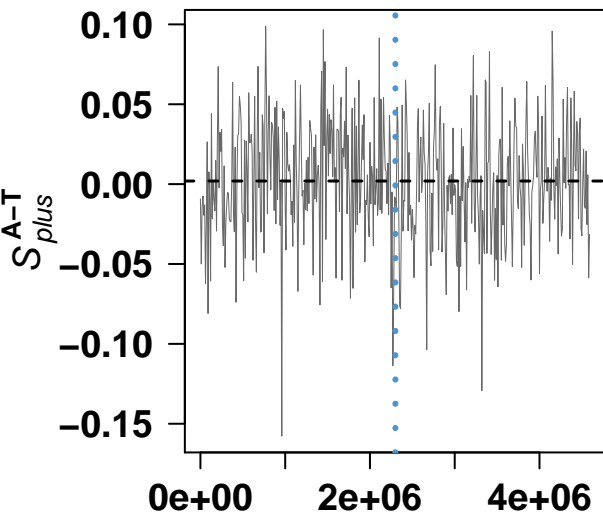


genome coordinates

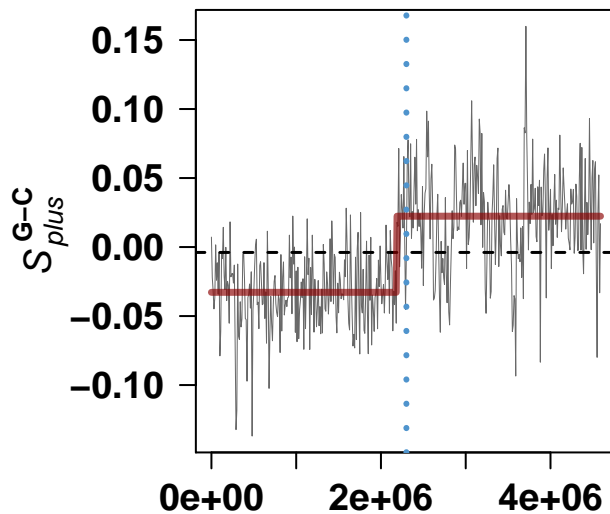


genome coordinates

Shigella flexneri 2a str. 301

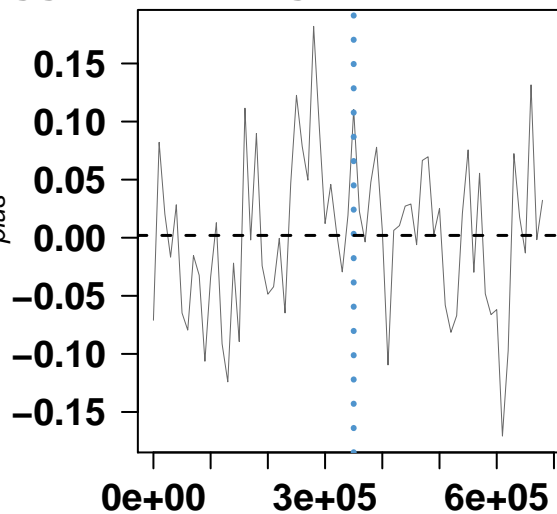


genome coordinates

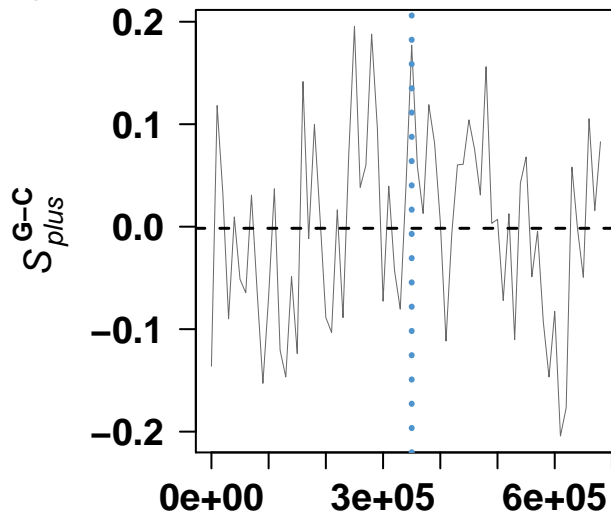


genome coordinates

Wigglesworthia glossinidia endosymbiont of Glossina brevipalpis

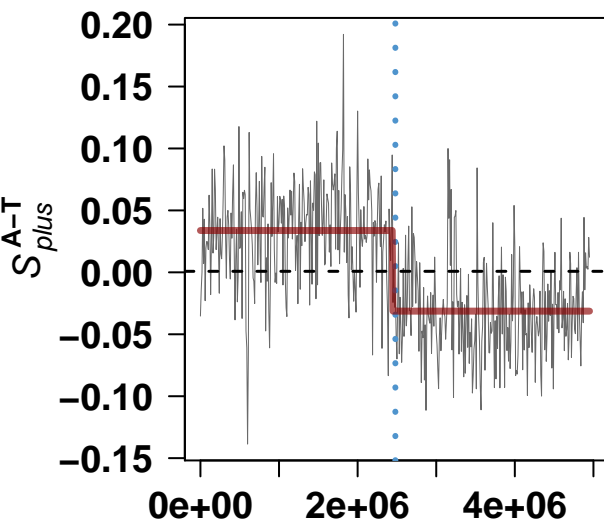


genome coordinates

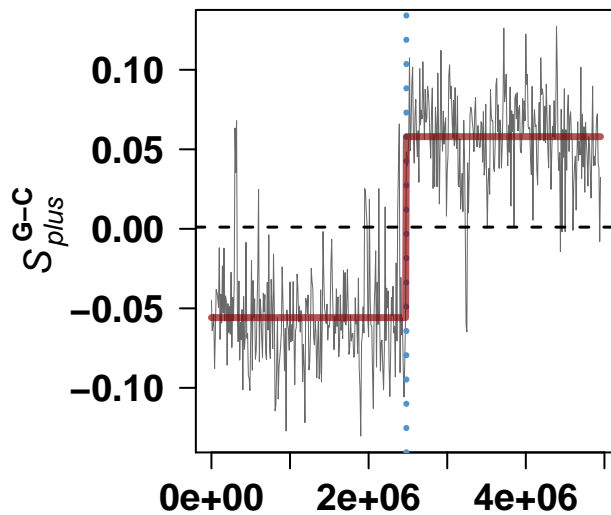


genome coordinates

Shewanella oneidensis MR-1

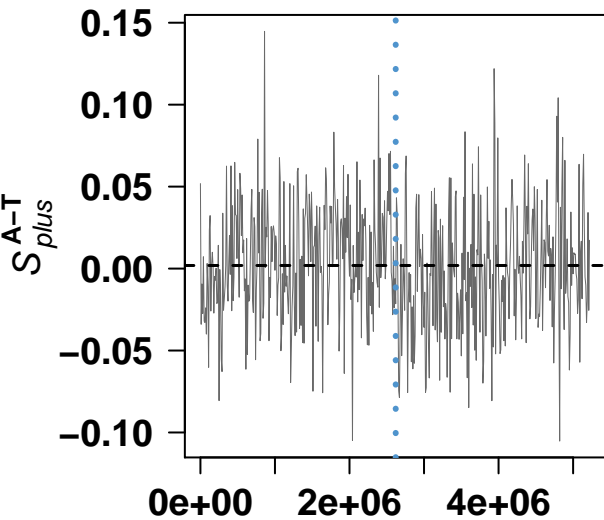


genome coordinates

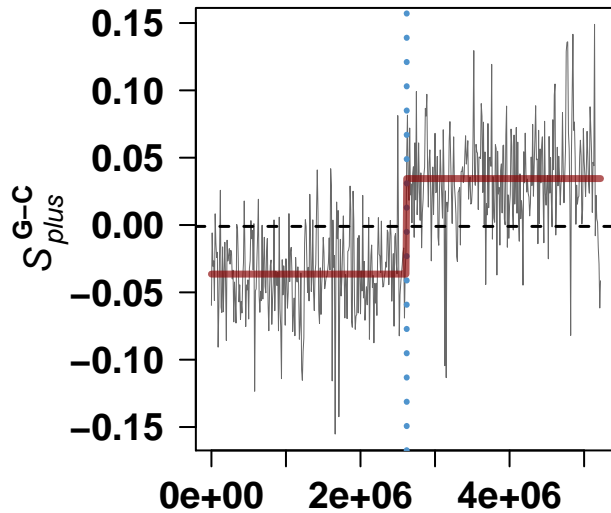


genome coordinates

Escherichia coli CFT073

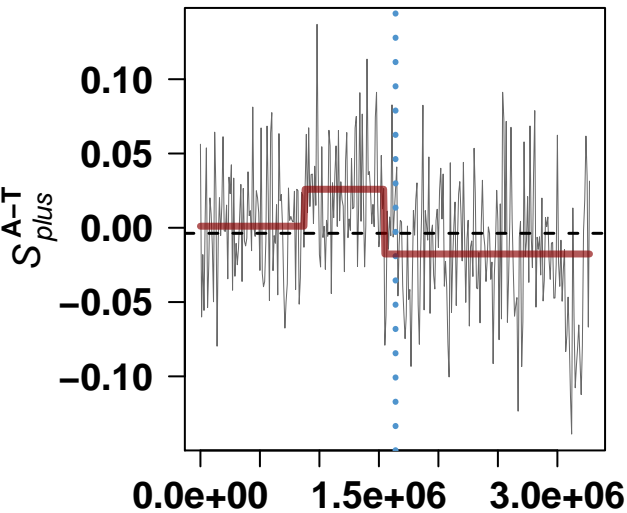


genome coordinates

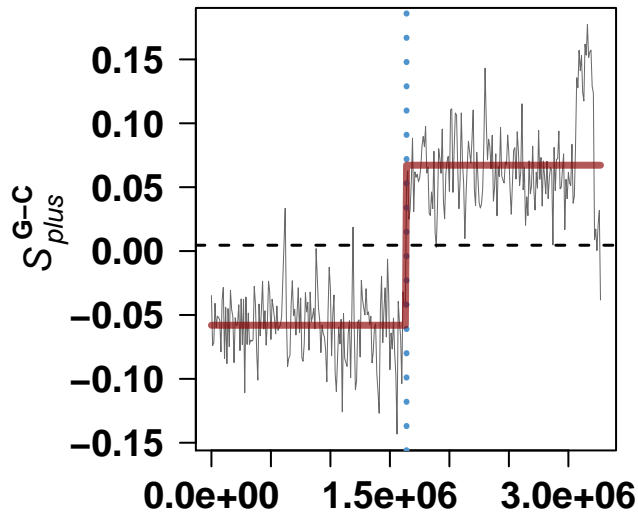


genome coordinates

Vibrio vulnificus CMCP6

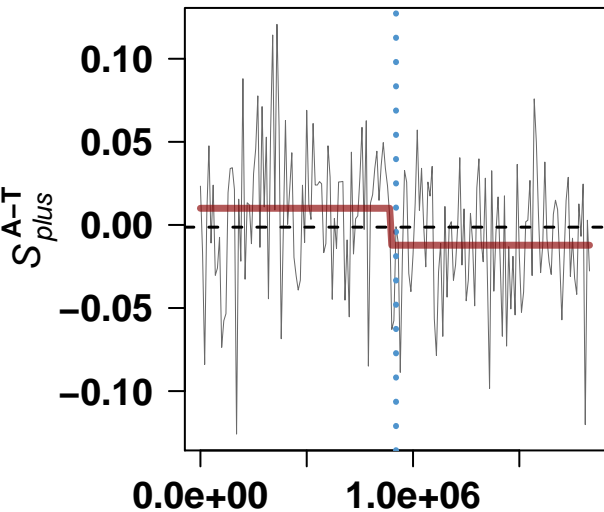


genome coordinates

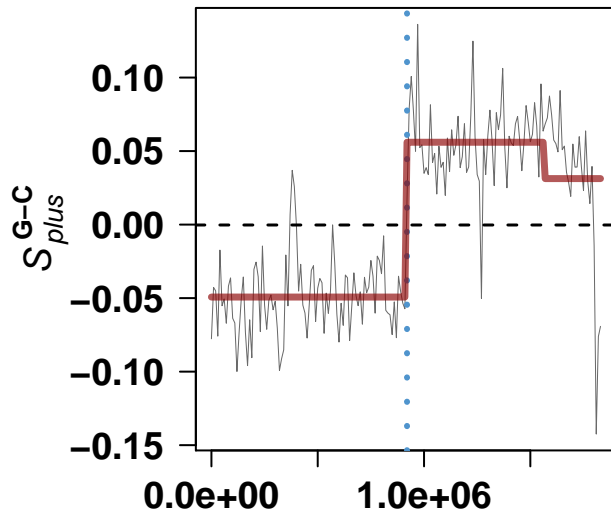


genome coordinates

Vibrio vulnificus CMCP6

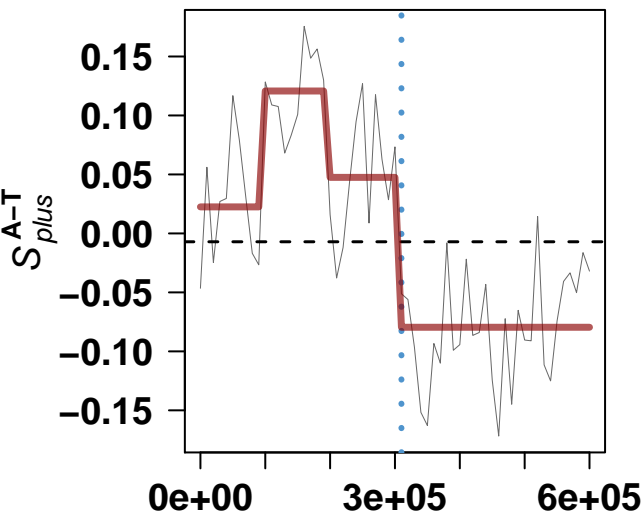


genome coordinates

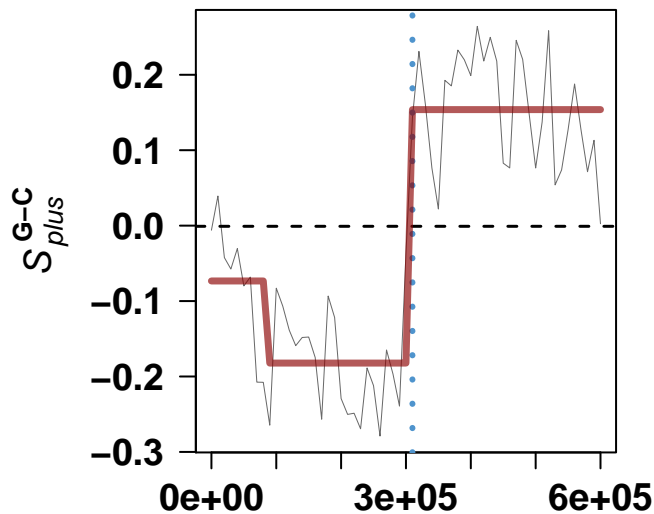


genome coordinates

Buchnera aphidicola str. Bp (*Baizongia pistaciae*)

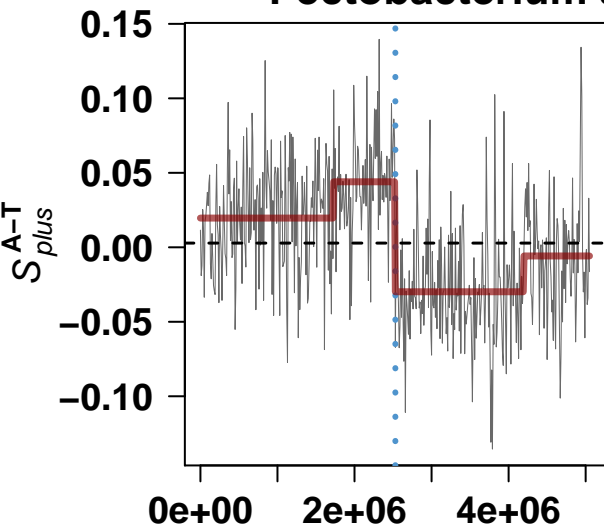


genome coordinates

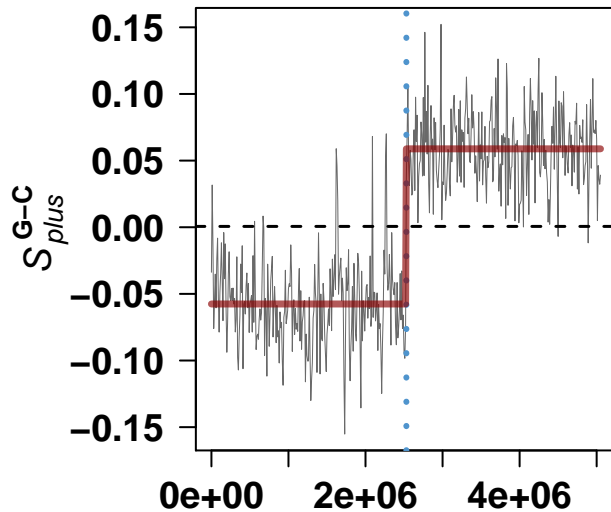


genome coordinates

Pectobacterium atrosepticum SCRI1043

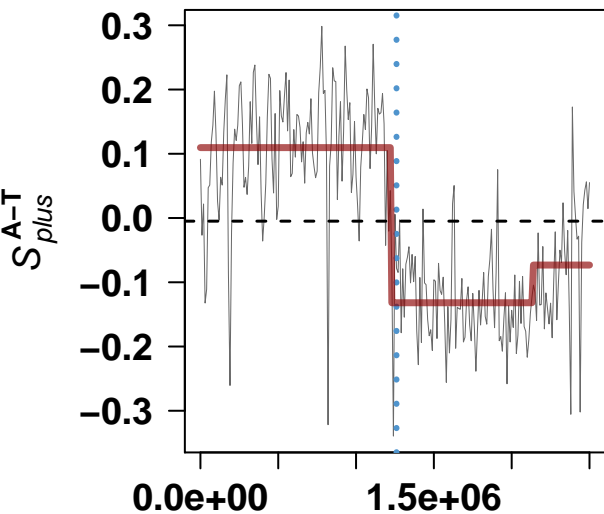


genome coordinates

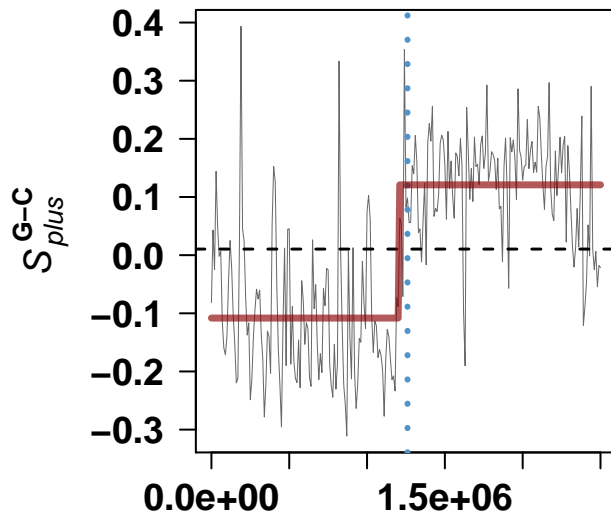


genome coordinates

Xylella fastidiosa Temecula1

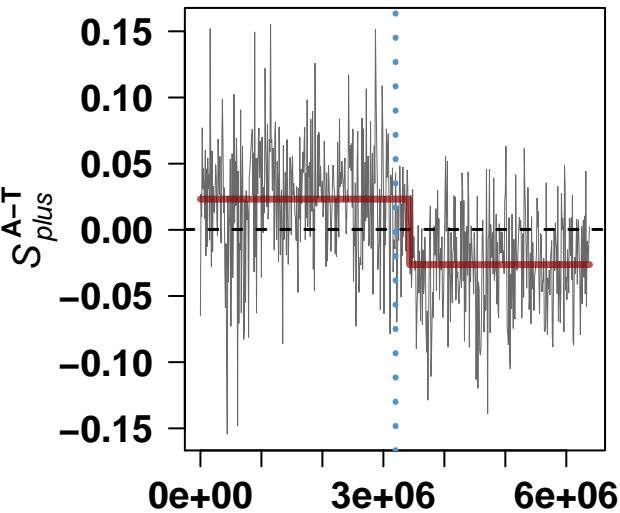


genome coordinates

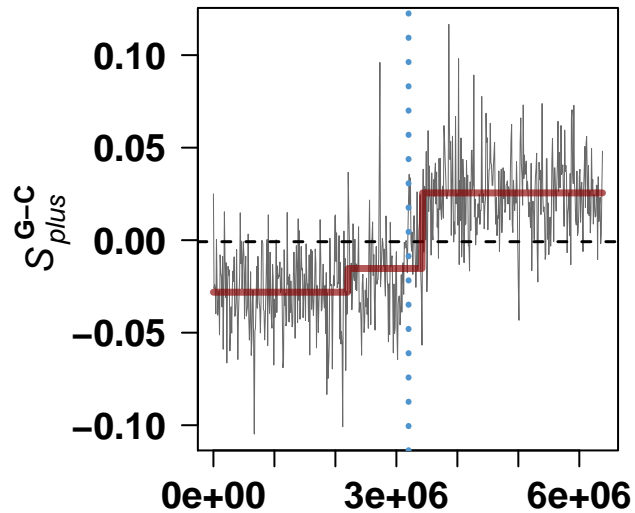


genome coordinates

Pseudomonas syringae pv. *tomato* str. DC3000

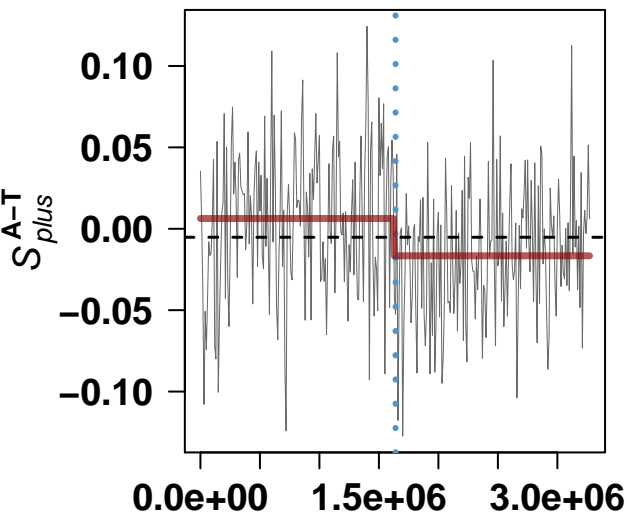


genome coordinates

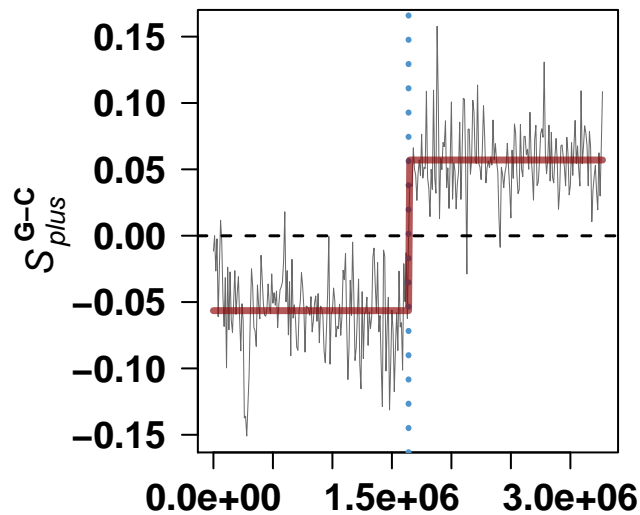


genome coordinates

Vibrio parahaemolyticus RIMD 2210633

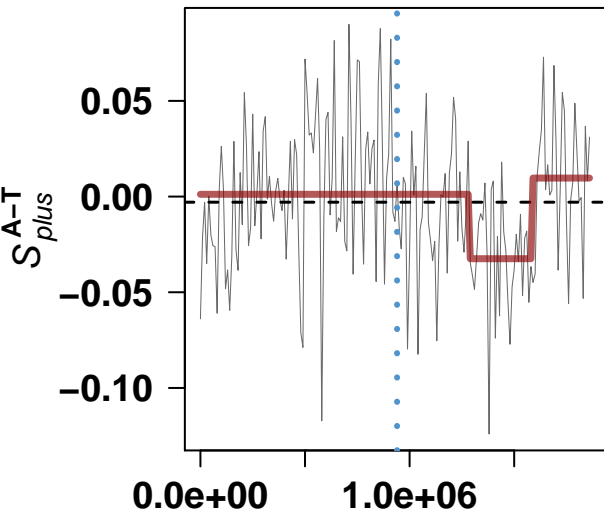


genome coordinates

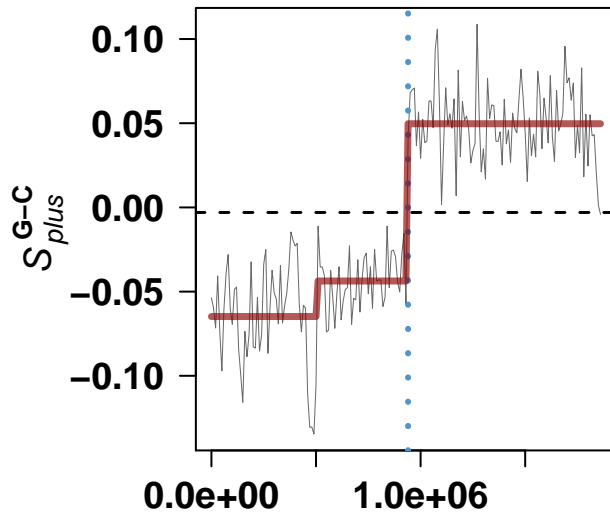


genome coordinates

Vibrio parahaemolyticus RIMD 2210633

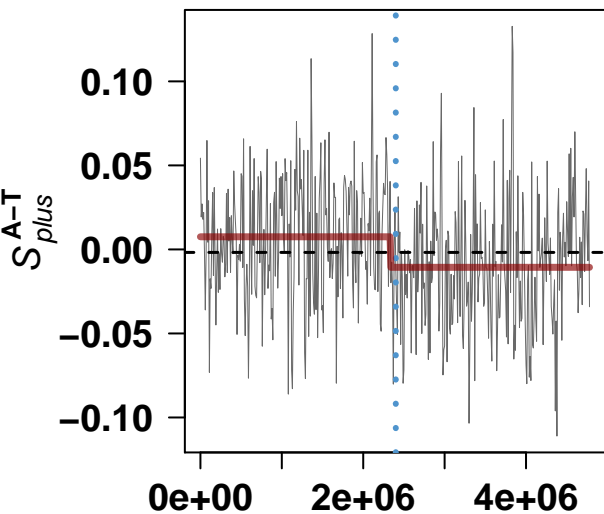


genome coordinates

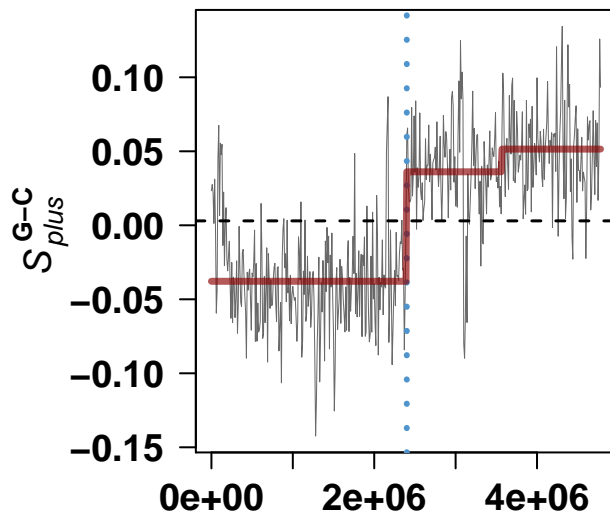


genome coordinates

Salmonella enterica subsp. *enterica* serovar Typhi str. Ty2

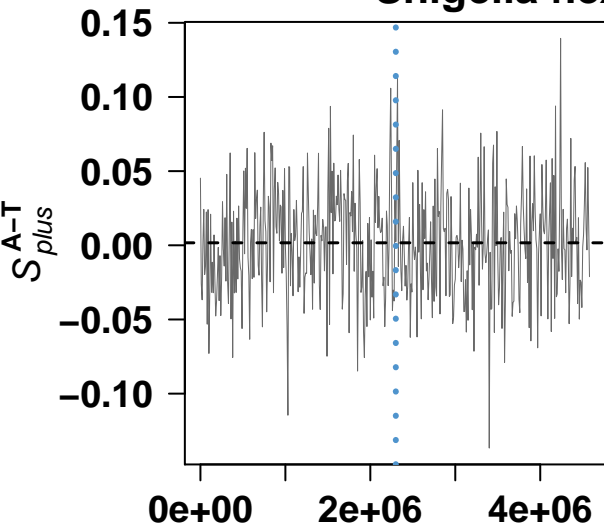


genome coordinates

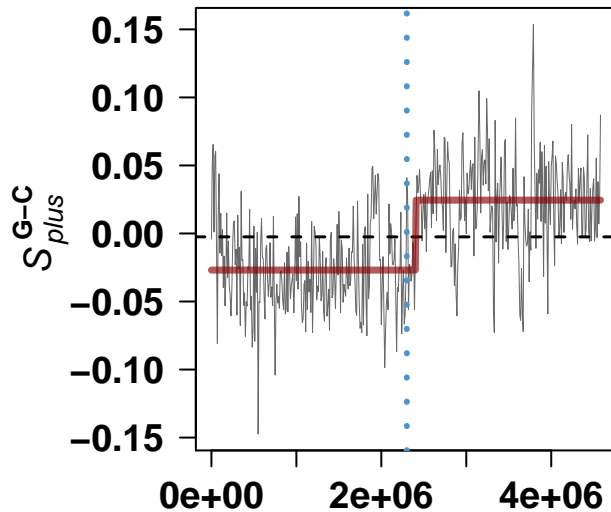


genome coordinates

Shigella flexneri 2a str. 2457T

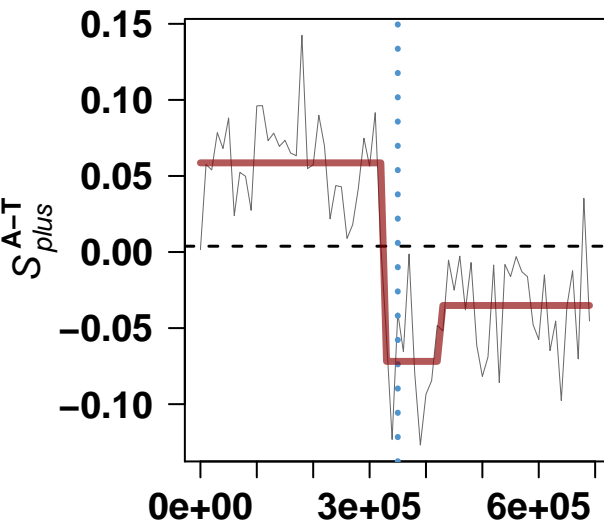


genome coordinates

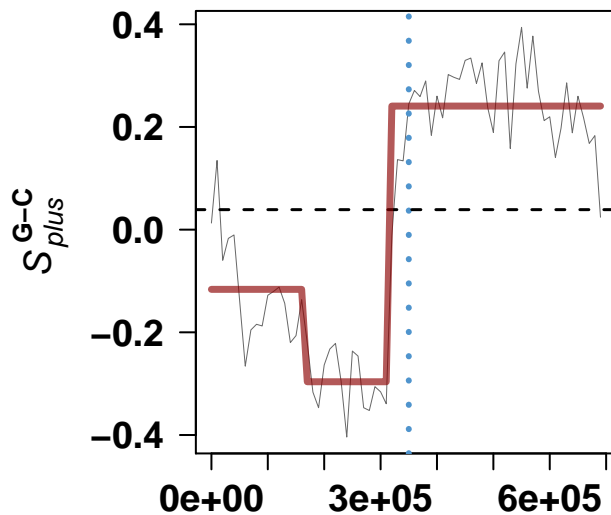


genome coordinates

Candidatus Blochmannia floridanus

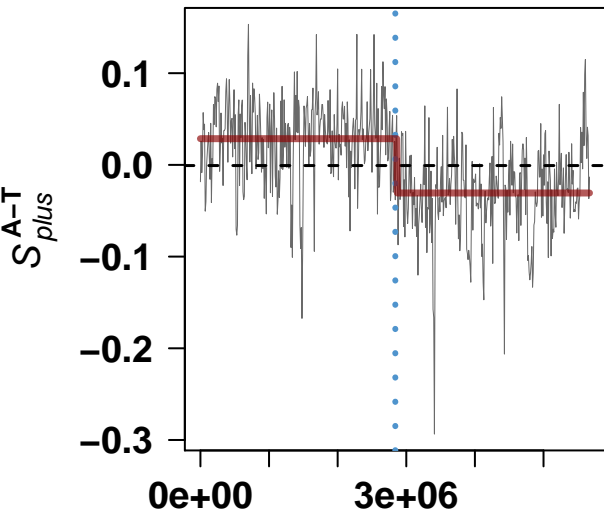


genome coordinates

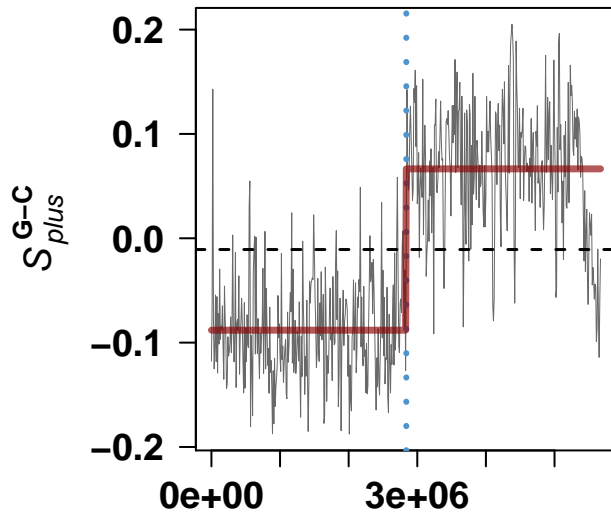


genome coordinates

Photorhabdus luminescens subsp. laumondii TTO1

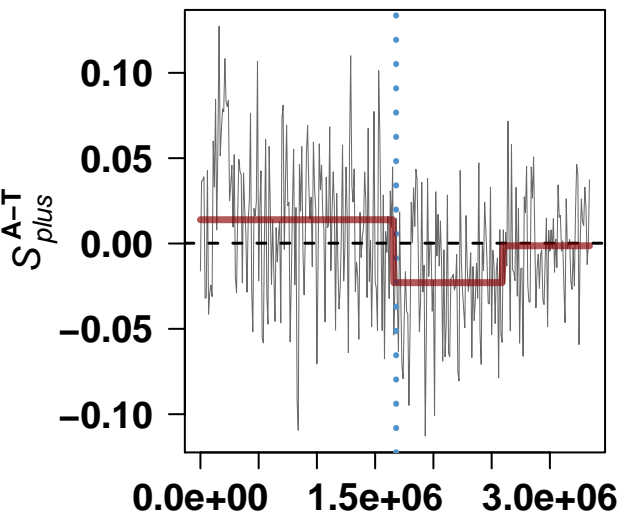


genome coordinates

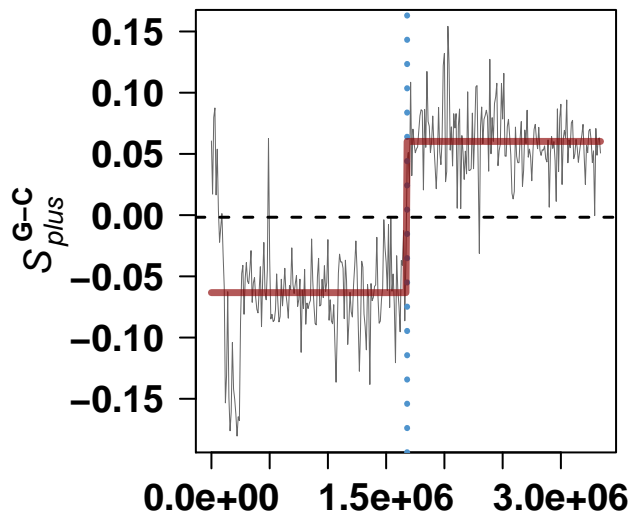


genome coordinates

Vibrio vulnificus YJ016

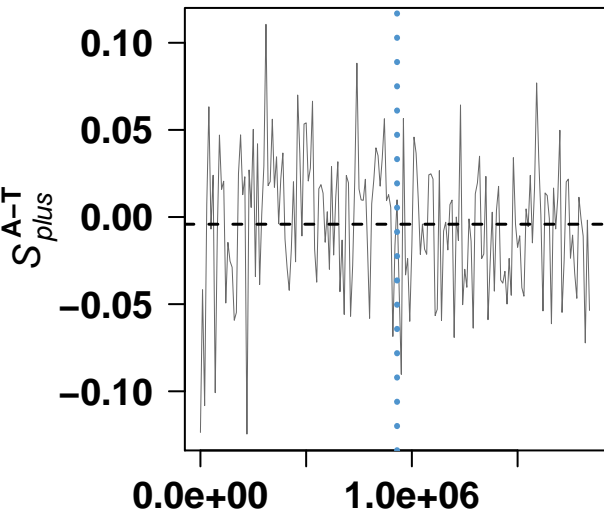


genome coordinates

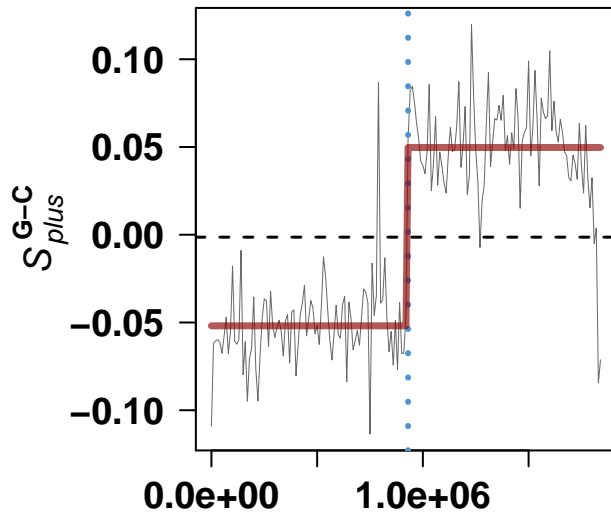


genome coordinates

Vibrio vulnificus YJ016

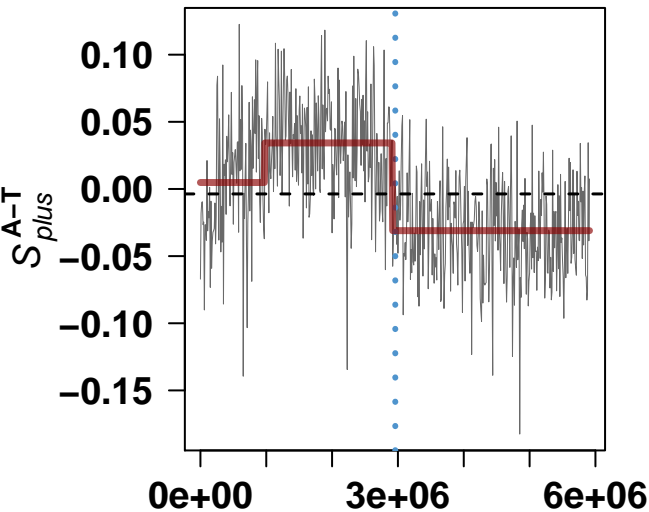


genome coordinates

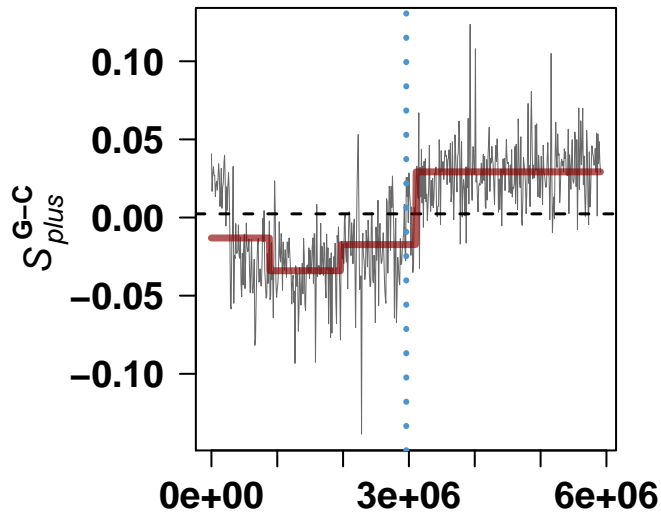


genome coordinates

Pseudomonas syringae pv. *phaseolicola* 1448A

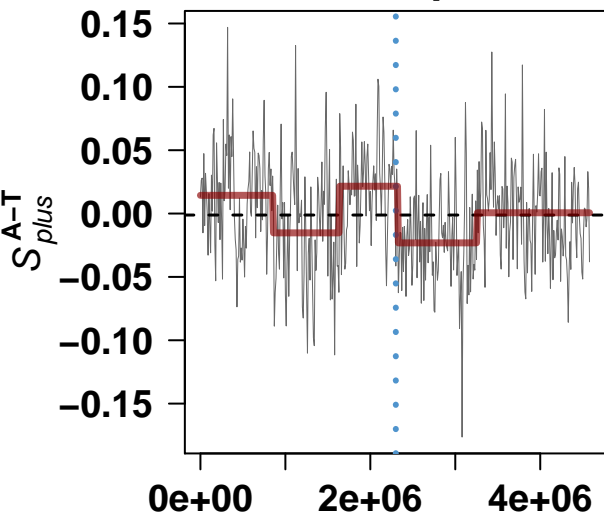


genome coordinates

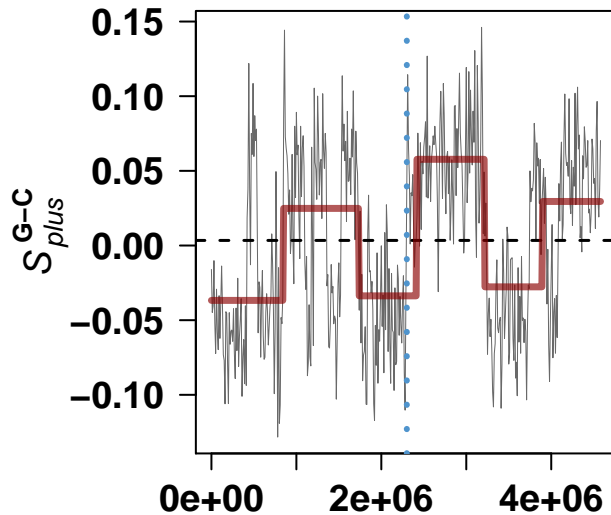


genome coordinates

***Yersinia pestis* biovar *Microtus* str. 91001**

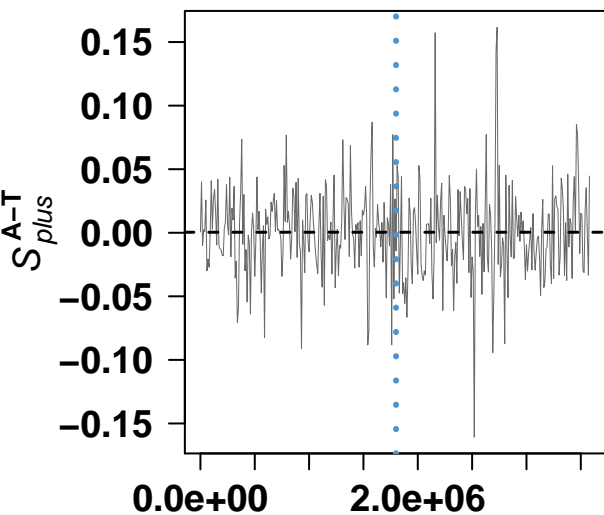


genome coordinates

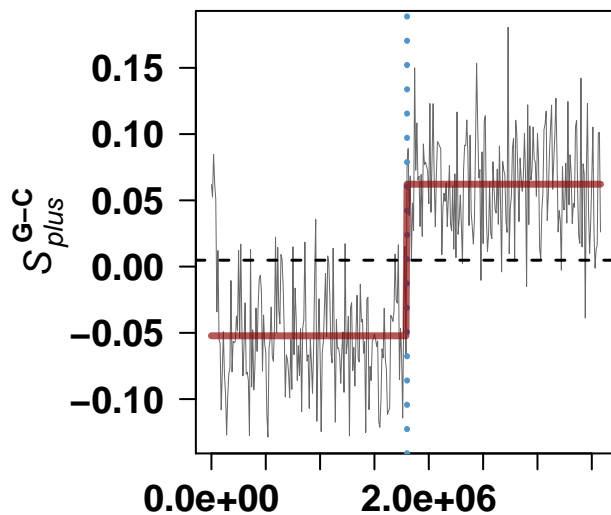


genome coordinates

***Acinetobacter* sp. ADP1**

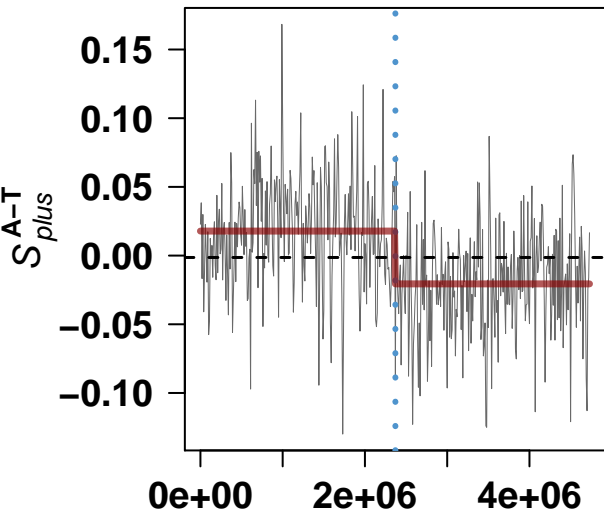


genome coordinates

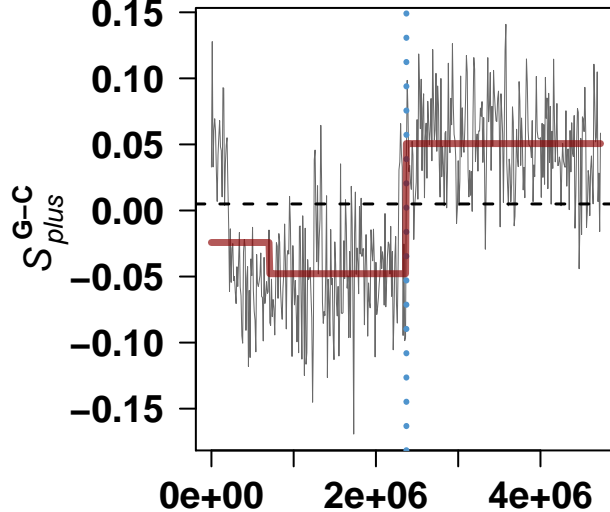


genome coordinates

***Yersinia pseudotuberculosis* IP 32953**

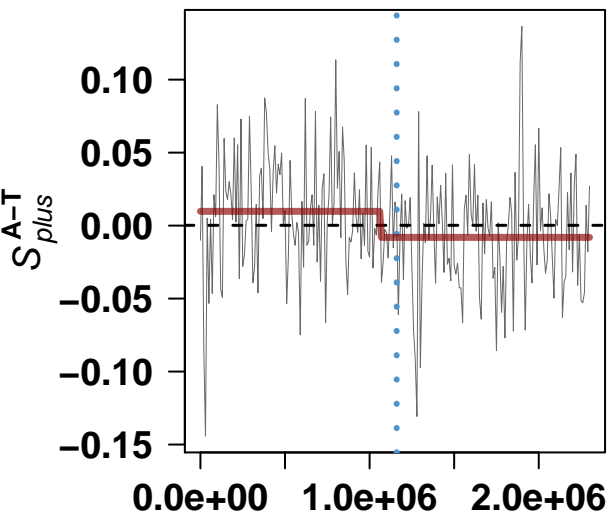


genome coordinates

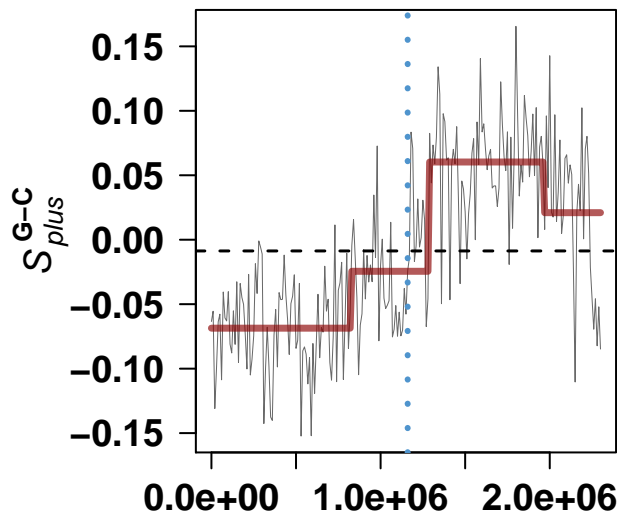


genome coordinates

***Mannheimia succiniciproducens* MBEL55E**

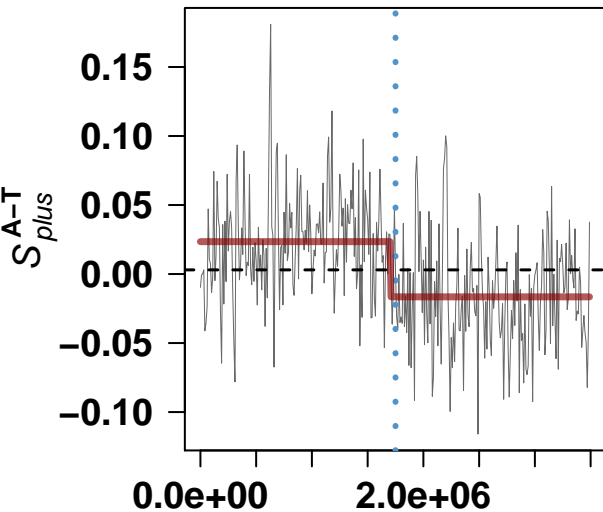


genome coordinates

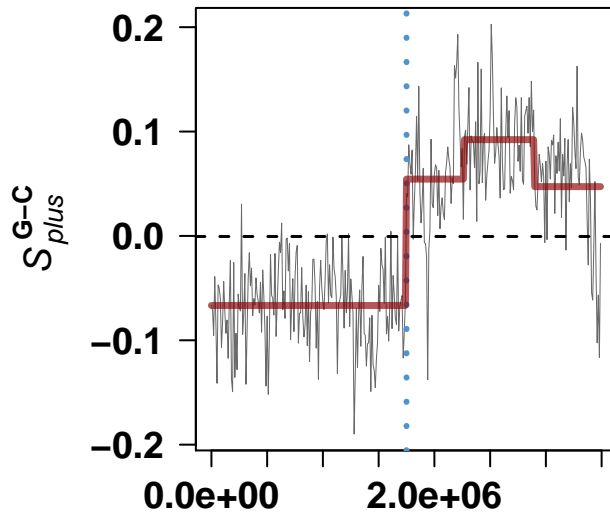


genome coordinates

Legionella pneumophila str. Paris

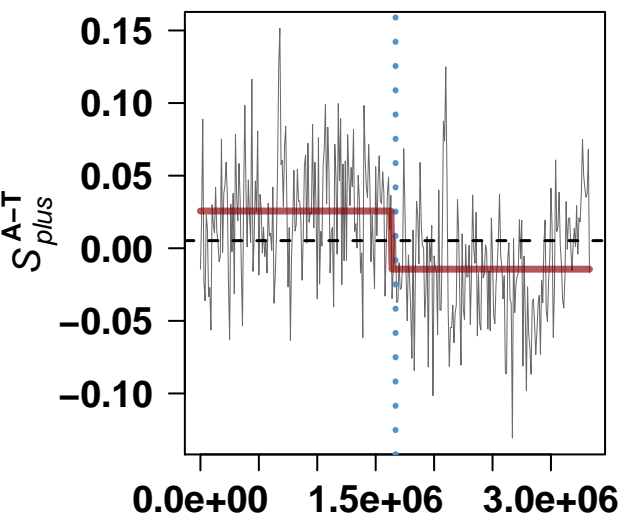


genome coordinates

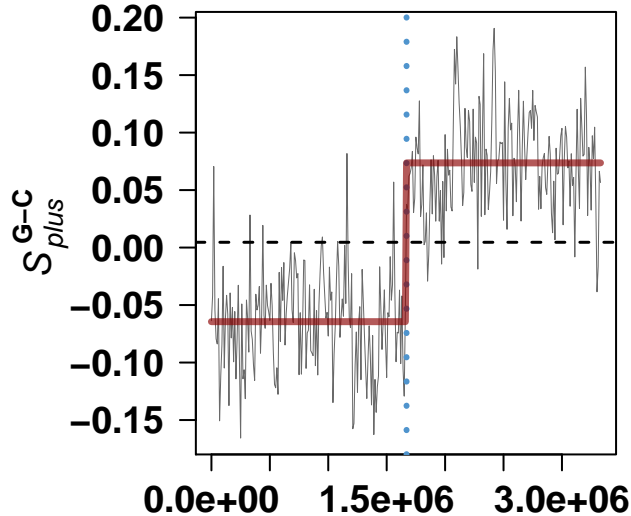


genome coordinates

Legionella pneumophila str. Lens

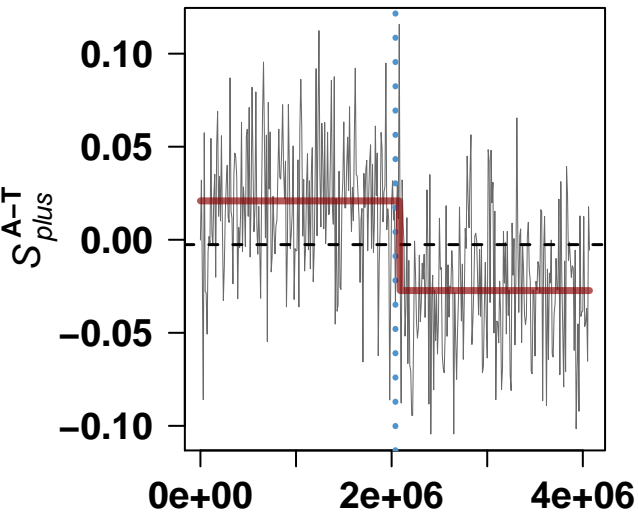


genome coordinates

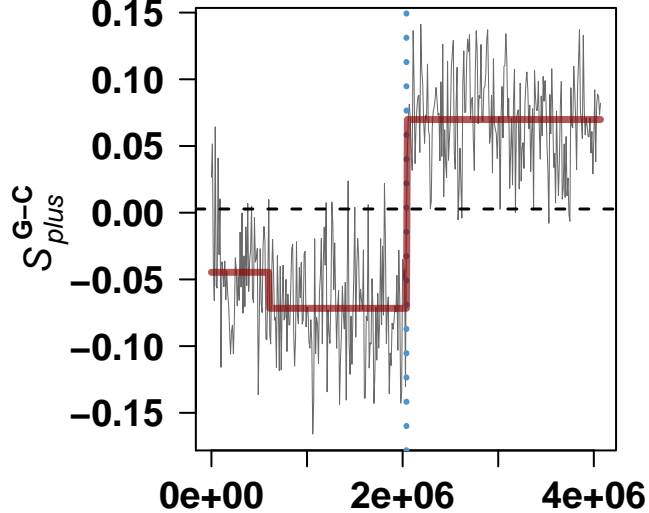


genome coordinates

Photobacterium profundum SS9

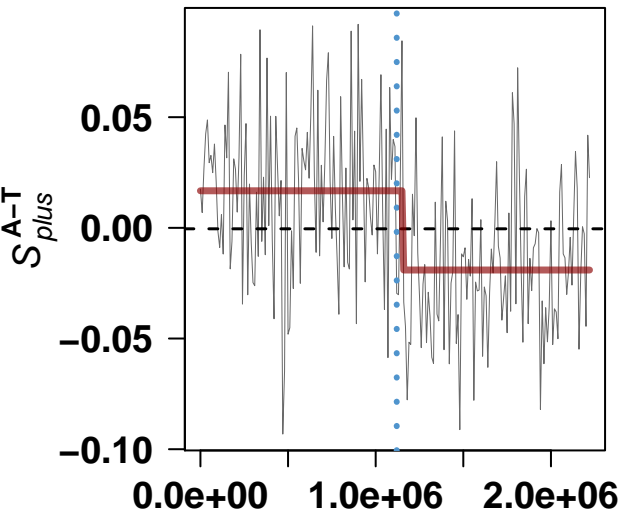


genome coordinates

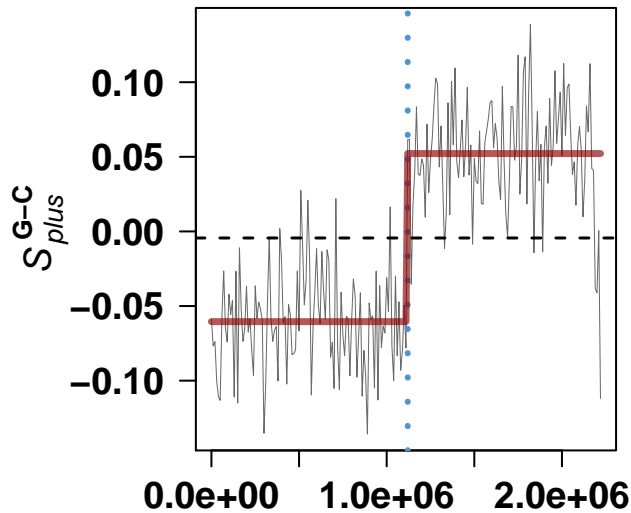


genome coordinates

Photobacterium profundum SS9

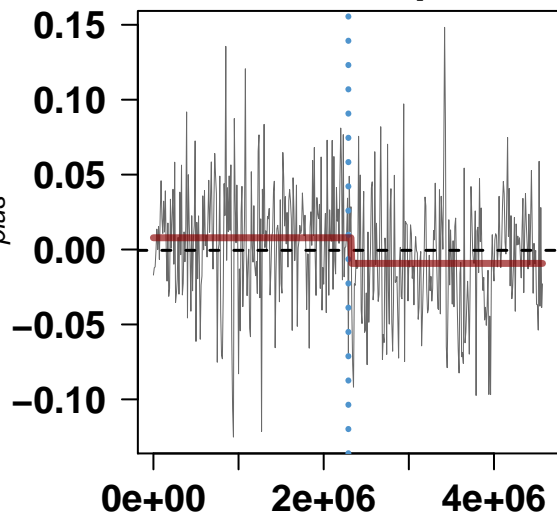


genome coordinates

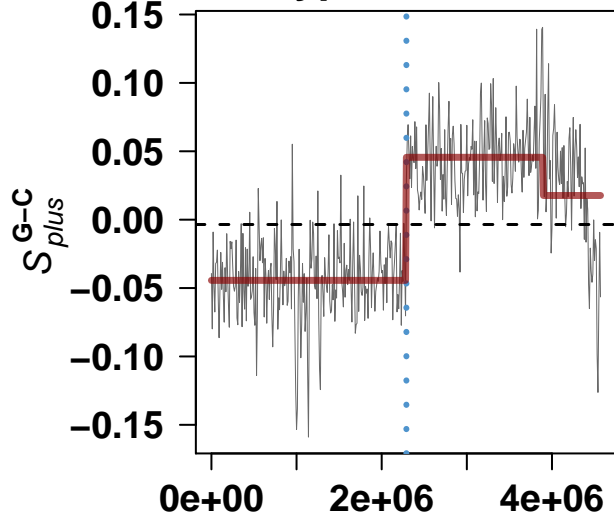


genome coordinates

Monella enterica subsp. *enterica* serovar Paratyphi A str. ATCC 91

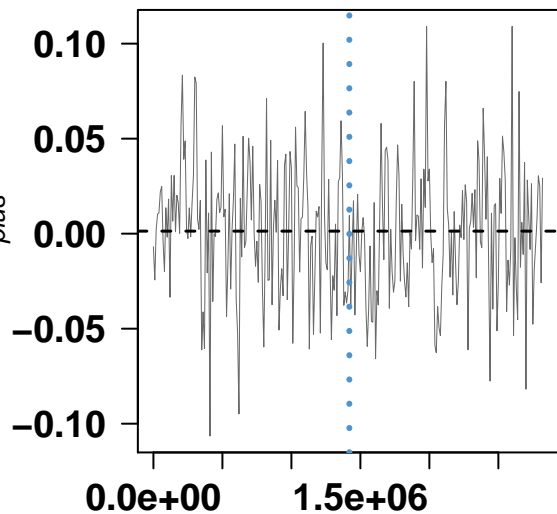


genome coordinates

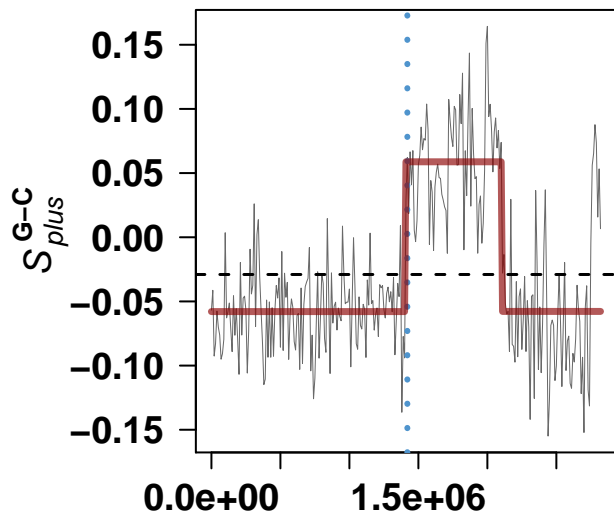


genome coordinates

Idiomarina loihiensis L2TR

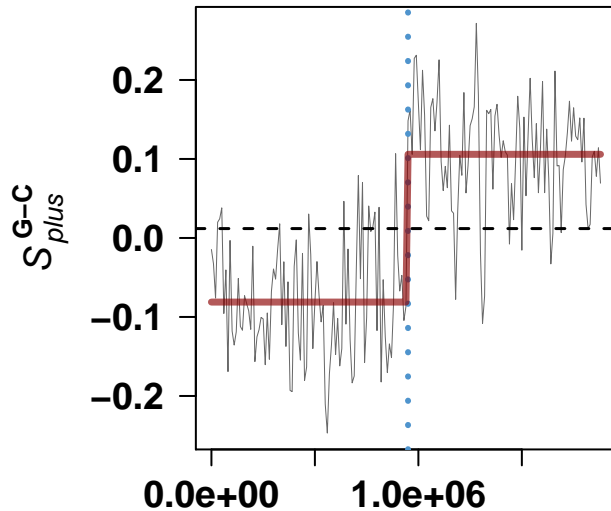
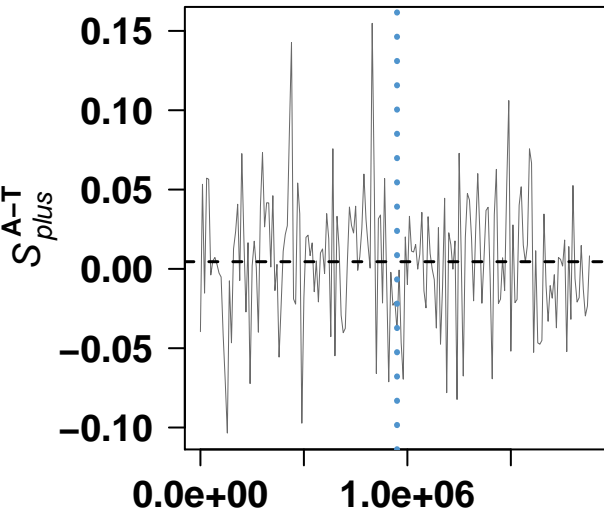


genome coordinates



genome coordinates

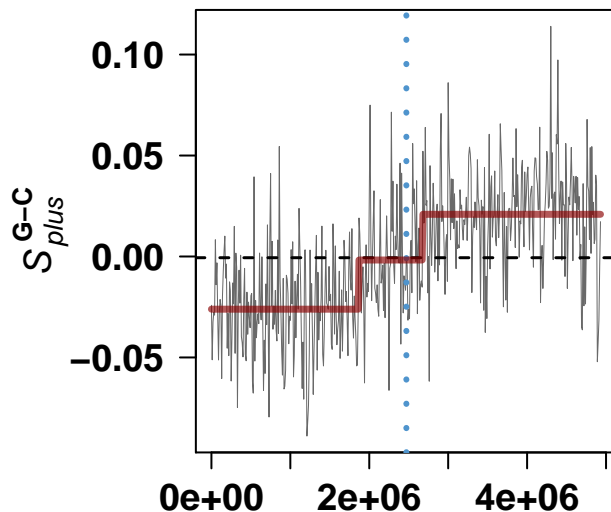
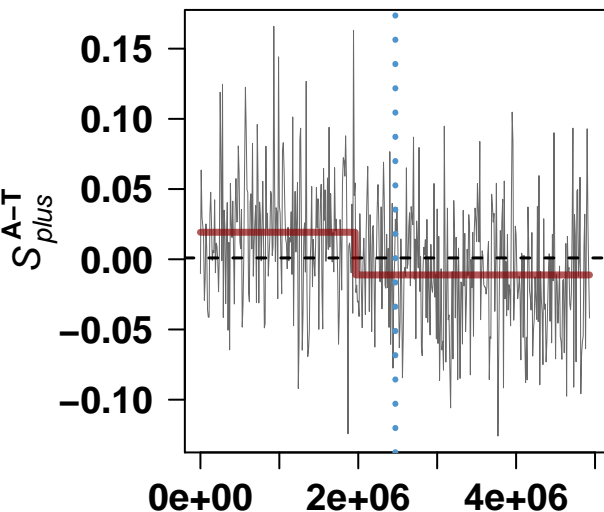
***Francisella tularensis* subsp. *tularensis* SCHU S4**



genome coordinates

genome coordinates

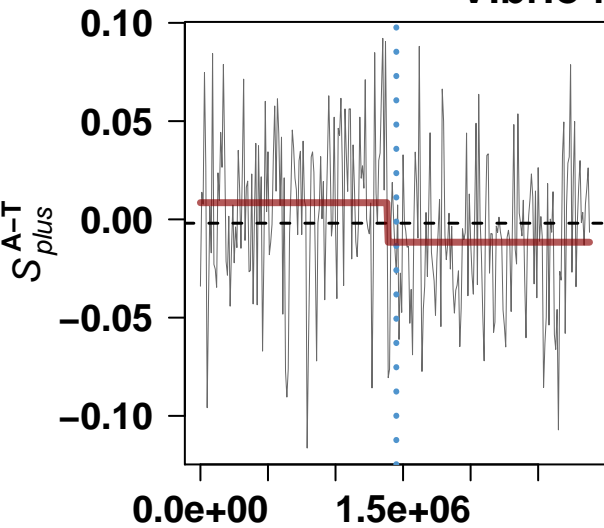
***Xanthomonas oryzae* pv. *oryzae* KACC 10331**



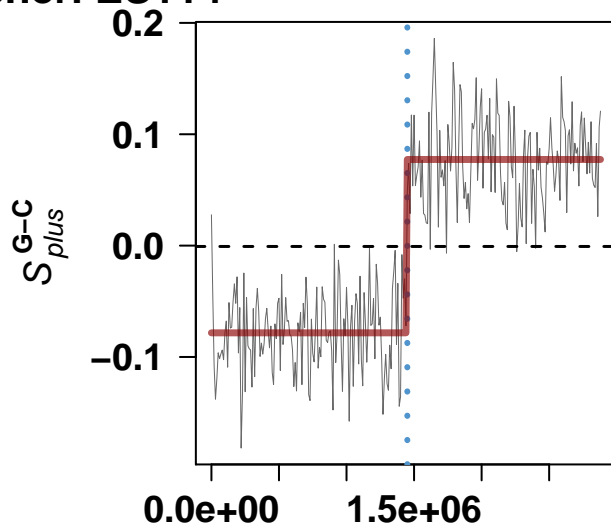
genome coordinates

genome coordinates

Vibrio fischeri ES114

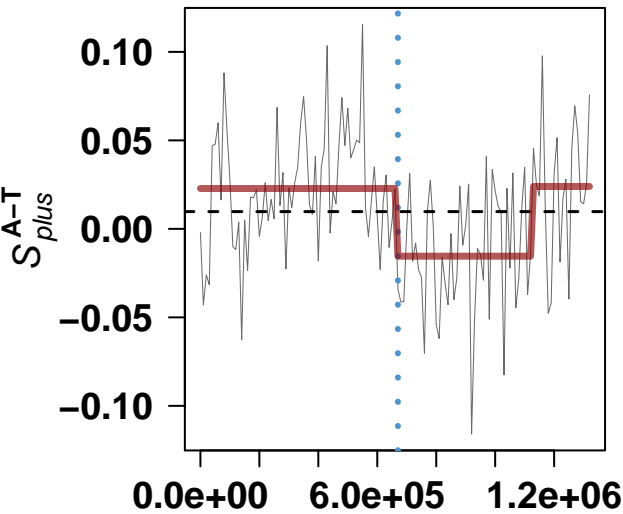


genome coordinates

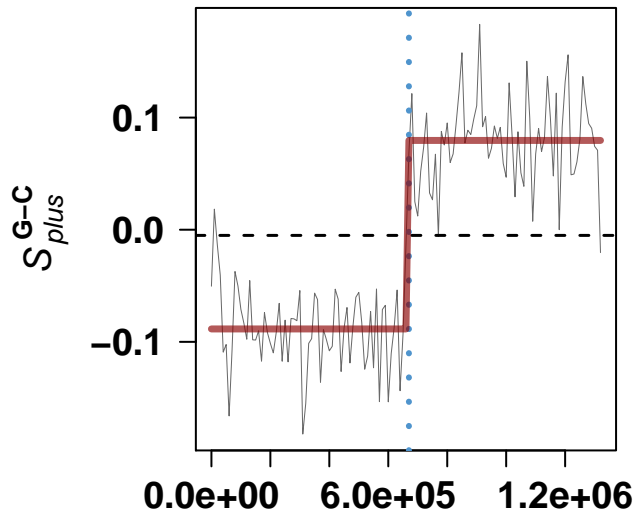


genome coordinates

Vibrio fischeri ES114

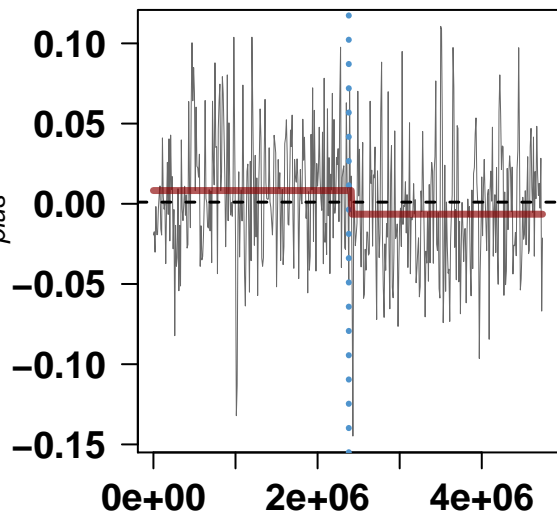


genome coordinates

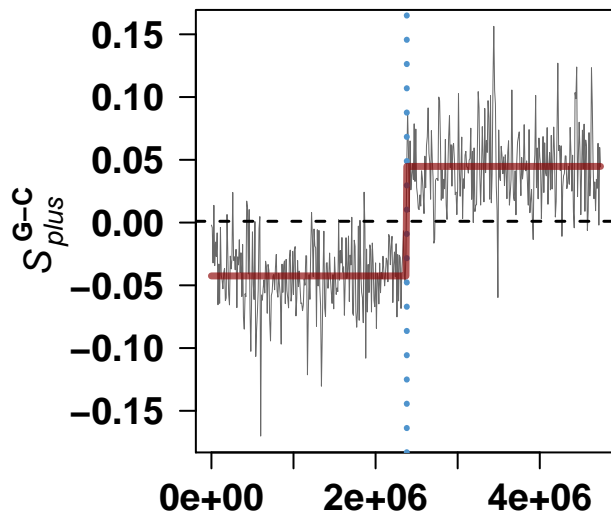


genome coordinates

***Salmonella enterica* subsp. *enterica* serovar Choleraesuis str. SC-B6**

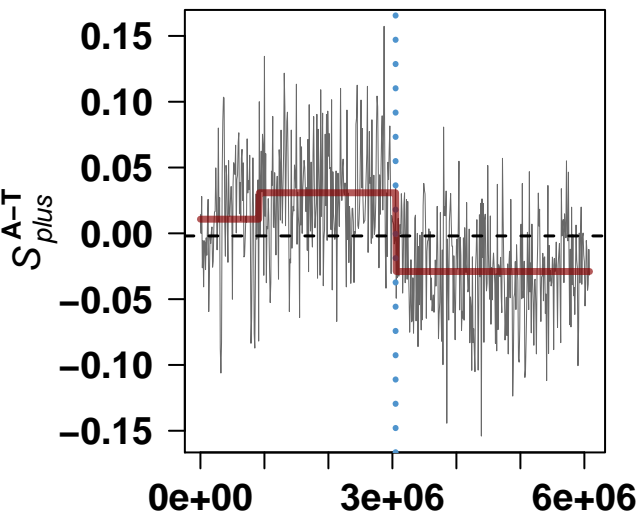


genome coordinates

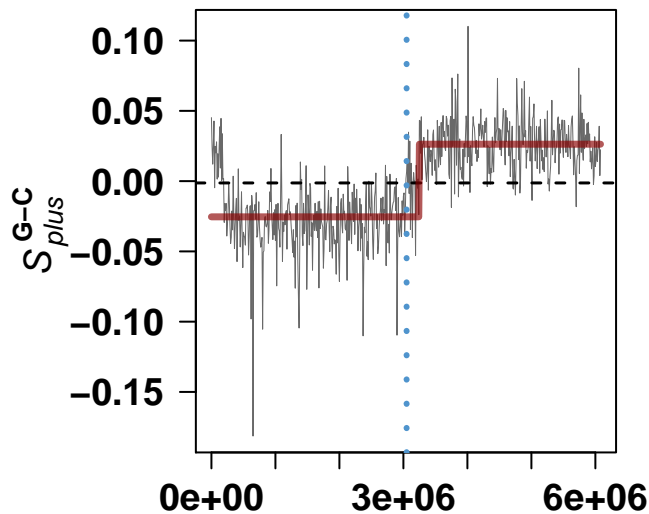


genome coordinates

***Pseudomonas syringae* pv. *syringae* B728a**

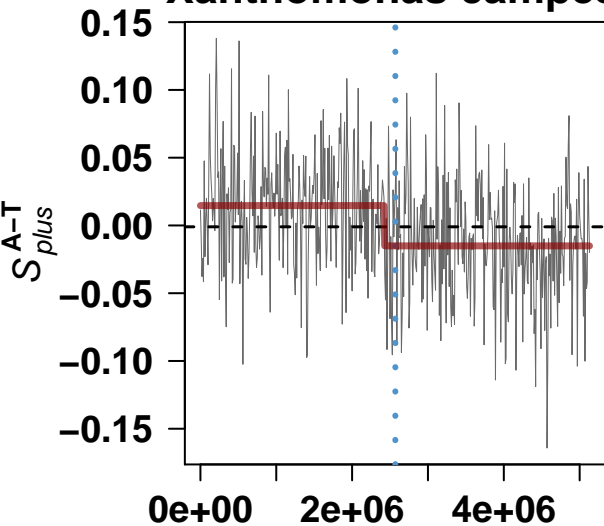


genome coordinates

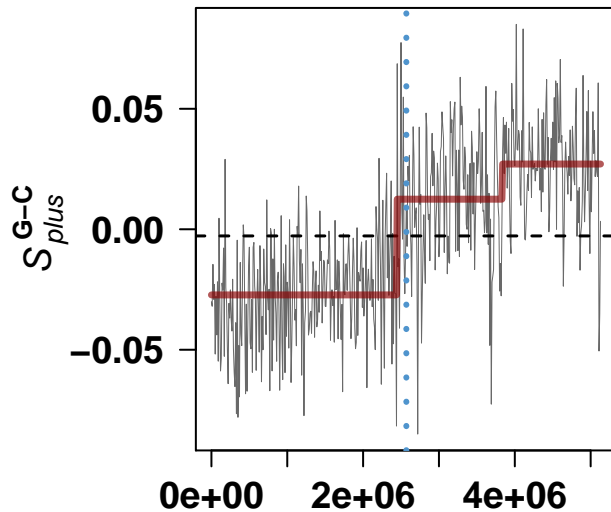


genome coordinates

Xanthomonas campestris pv. *campestris* str. 8004

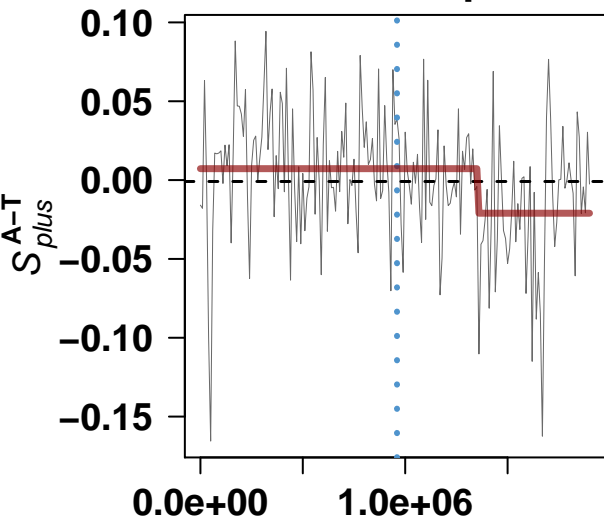


genome coordinates

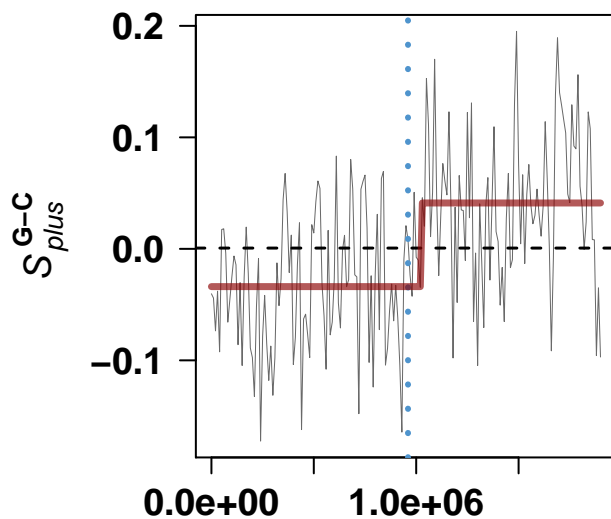


genome coordinates

Haemophilus influenzae 86-028NP

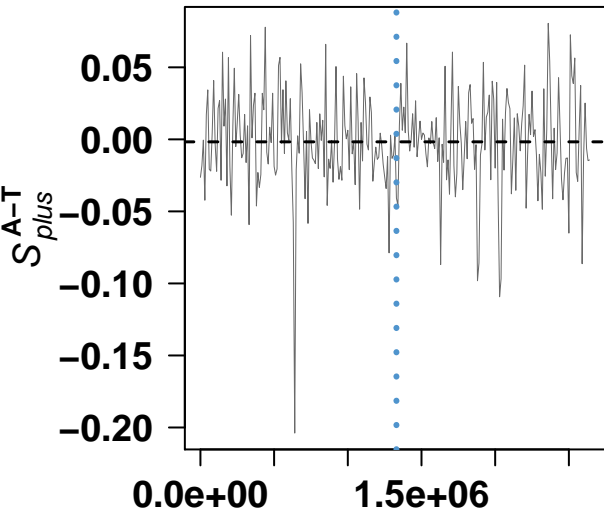


genome coordinates

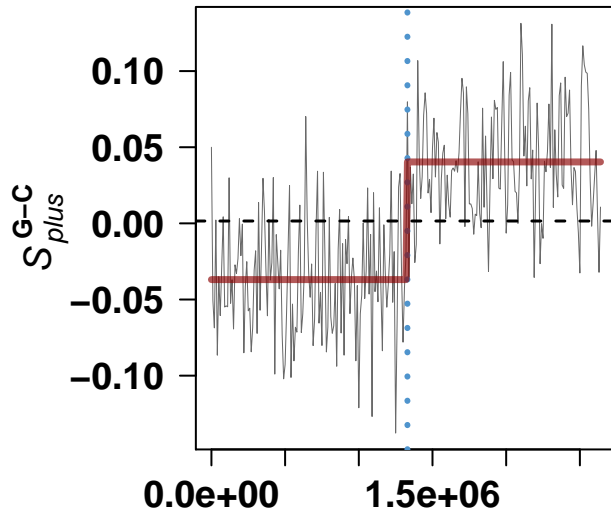


genome coordinates

Psychrobacter arcticus 273-4

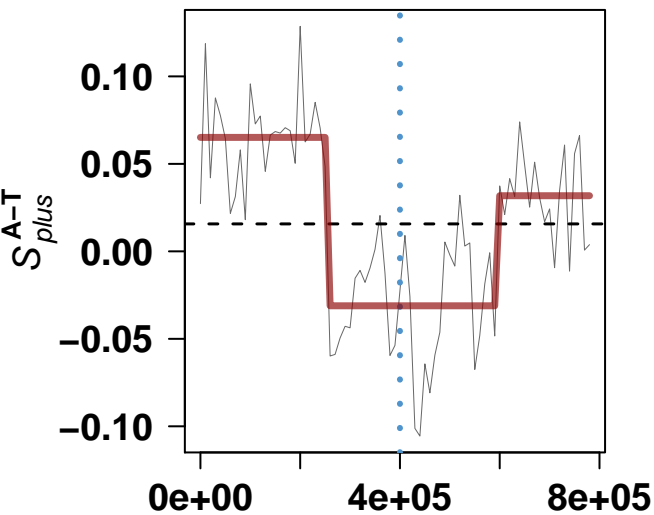


genome coordinates

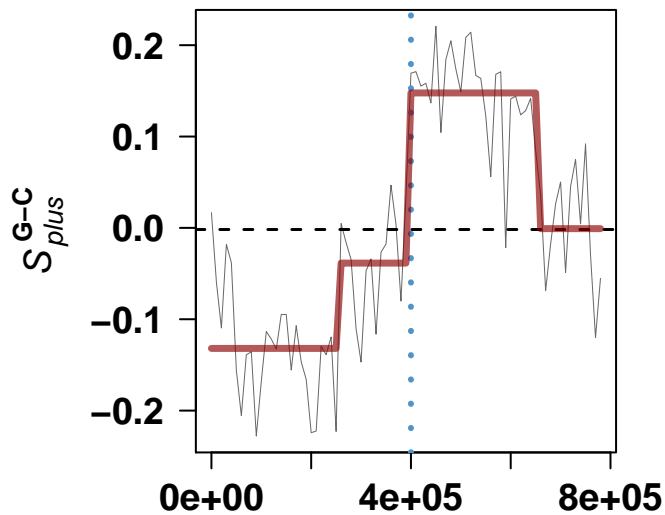


genome coordinates

Candidatus Blochmannia pennsylvanicus str. BPEN

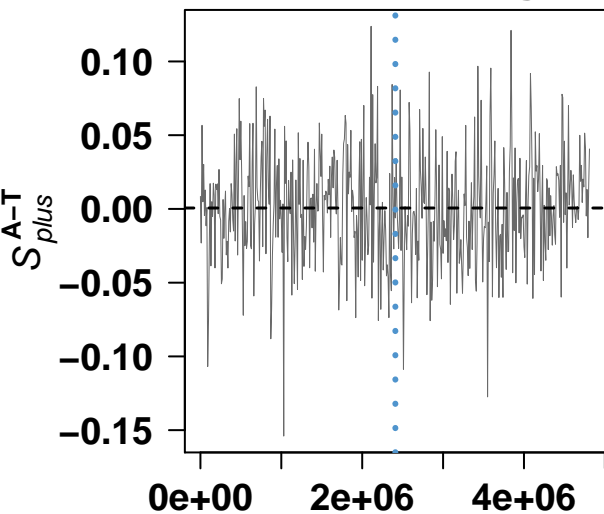


genome coordinates

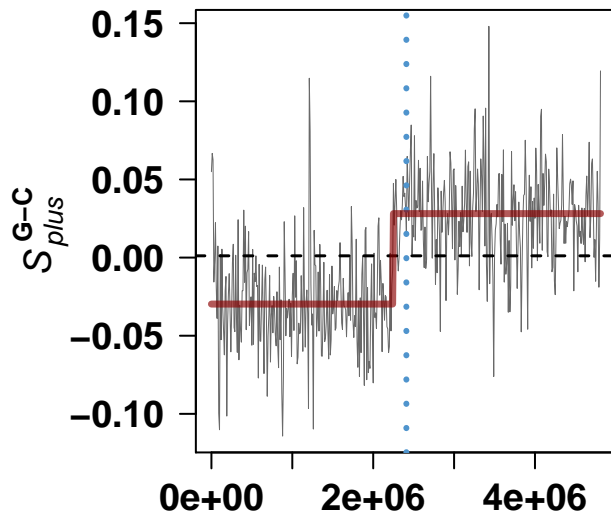


genome coordinates

Shigella sonnei Ss046

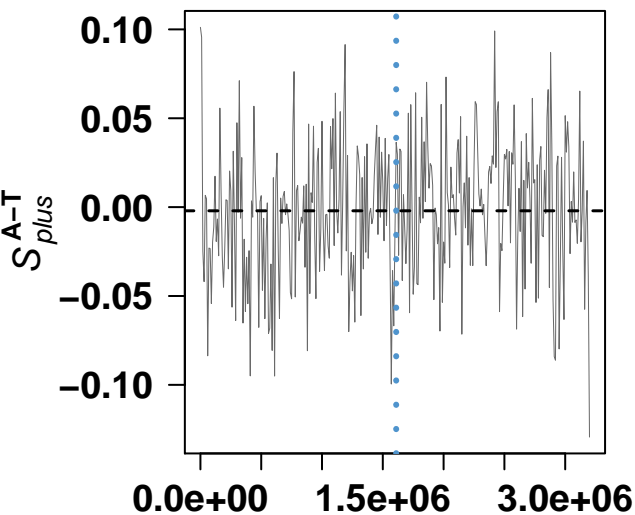


genome coordinates

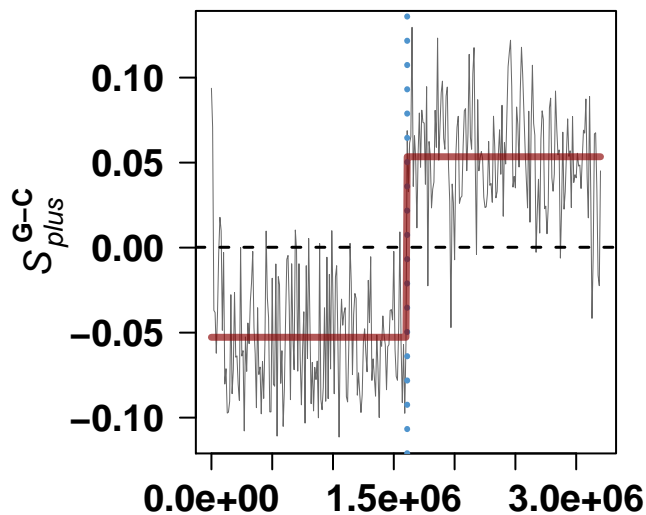


genome coordinates

Pseudoalteromonas haloplanktis TAC125

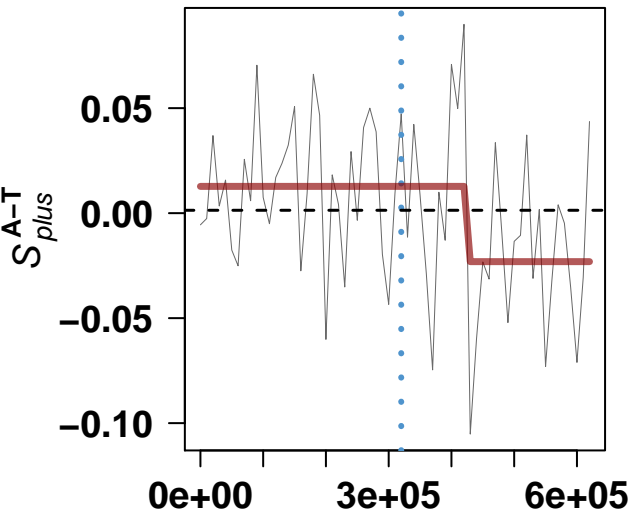


genome coordinates

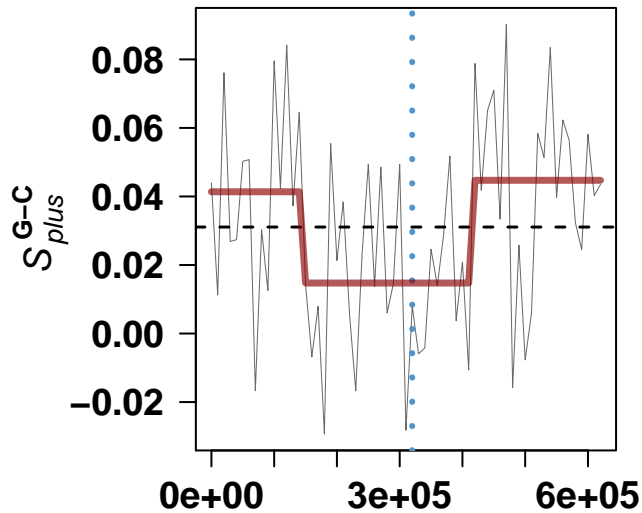


genome coordinates

Pseudoalteromonas haloplanktis TAC125

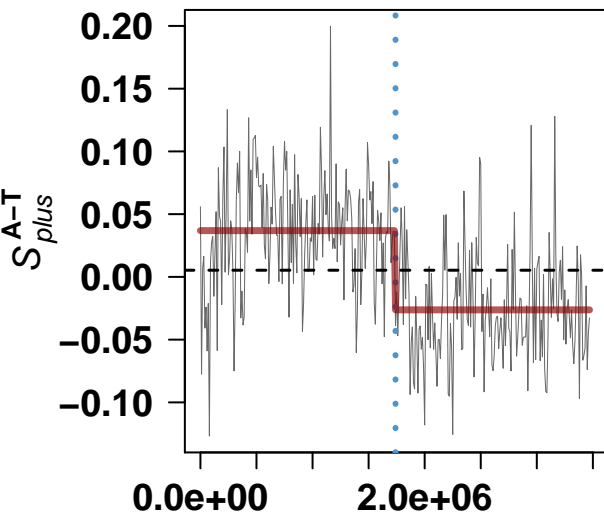


genome coordinates

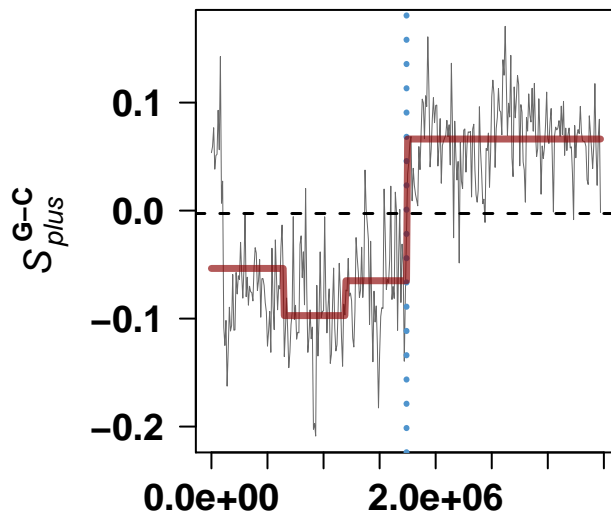


genome coordinates

Nitrosococcus oceani ATCC 19707

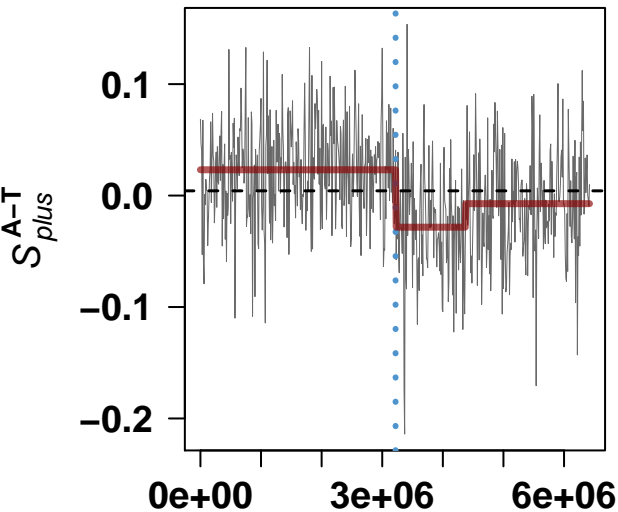


genome coordinates

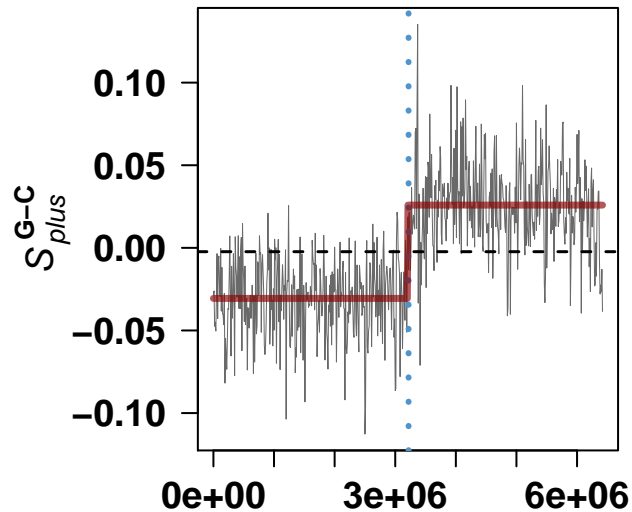


genome coordinates

Pseudomonas fluorescens Pf0-1

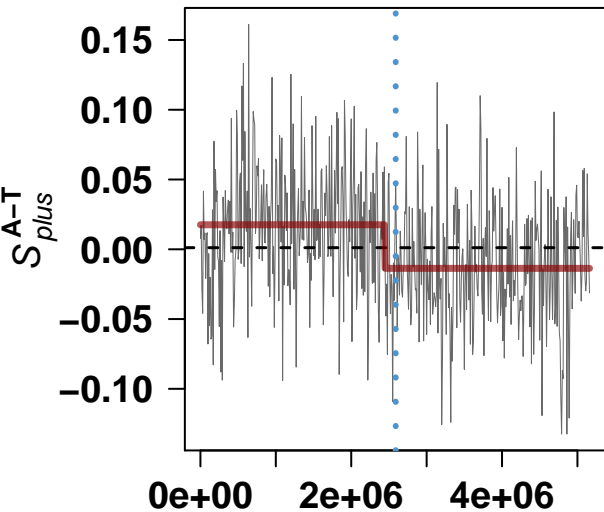


genome coordinates

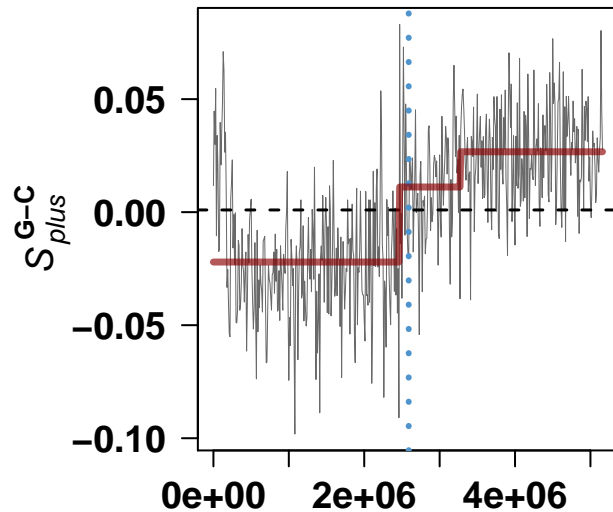


genome coordinates

Xanthomonas campestris pv. *vesicatoria* str. 85-10

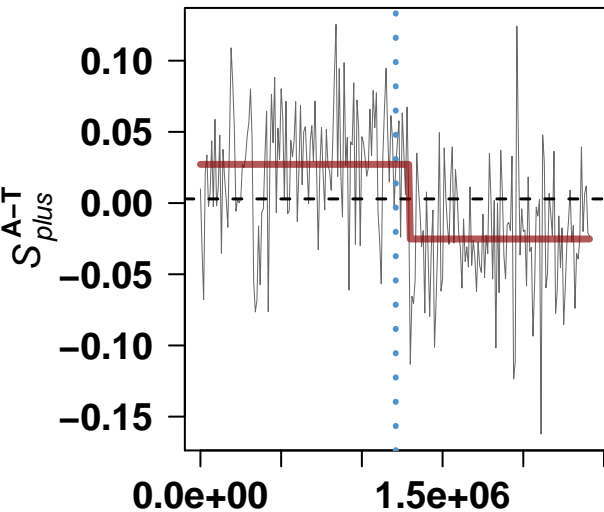


genome coordinates

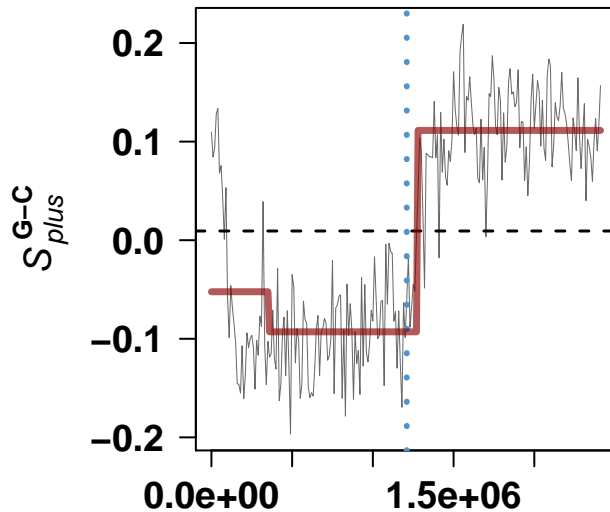


genome coordinates

Thiomicrospira crunogena XCL-2

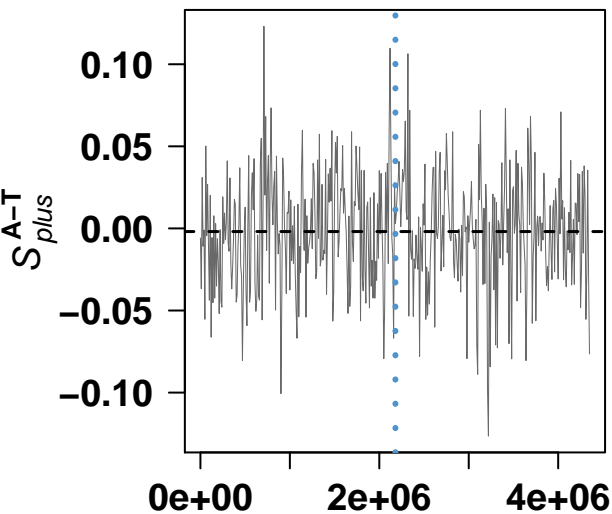


genome coordinates

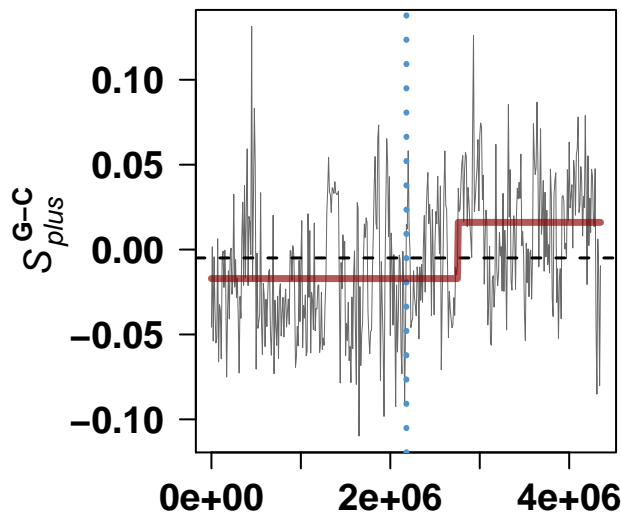


genome coordinates

Shigella dysenteriae Sd197

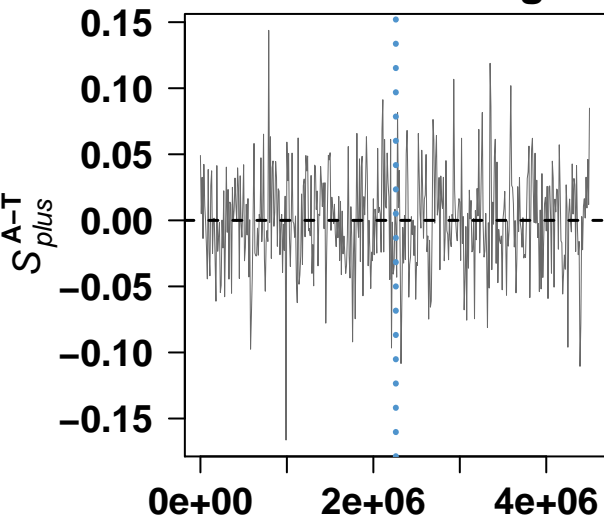


genome coordinates

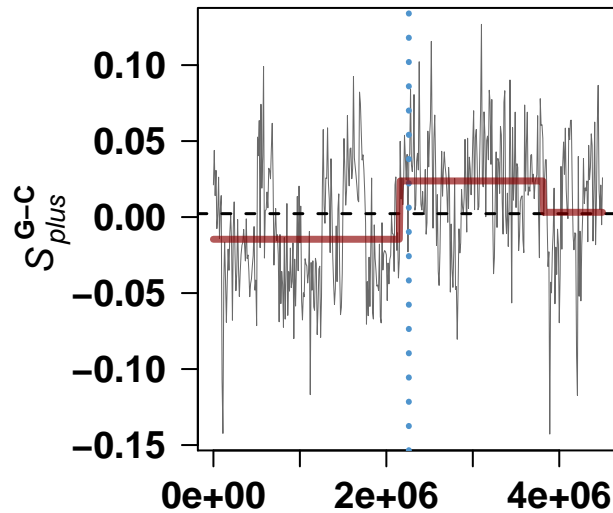


genome coordinates

Shigella boydii Sb227

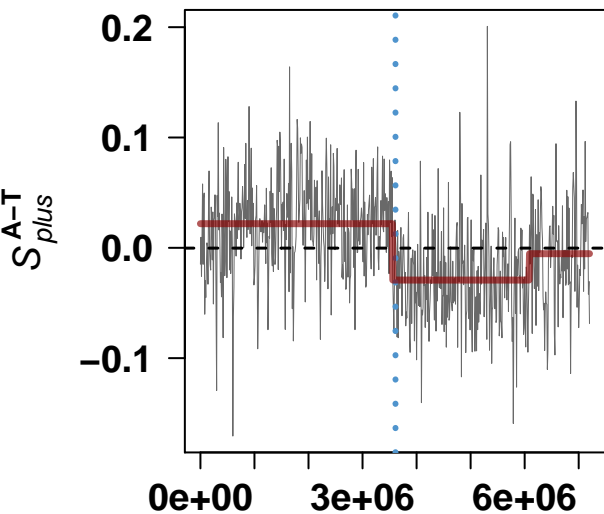


genome coordinates

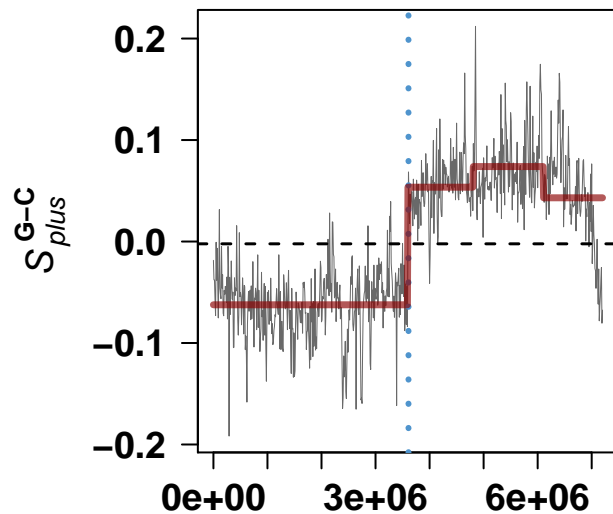


genome coordinates

Hahella chejuensis KCTC 2396

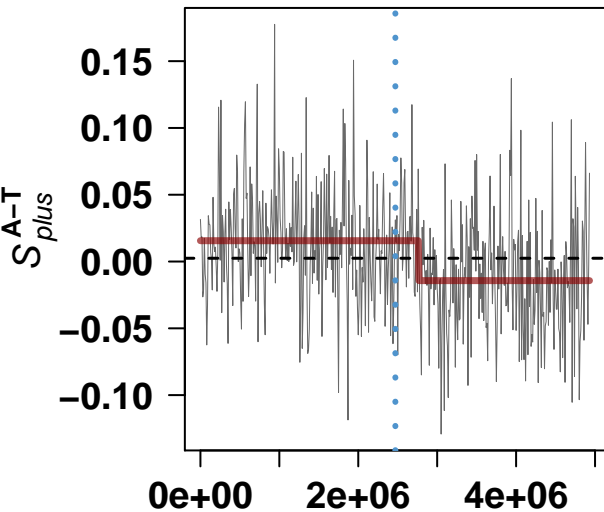


genome coordinates

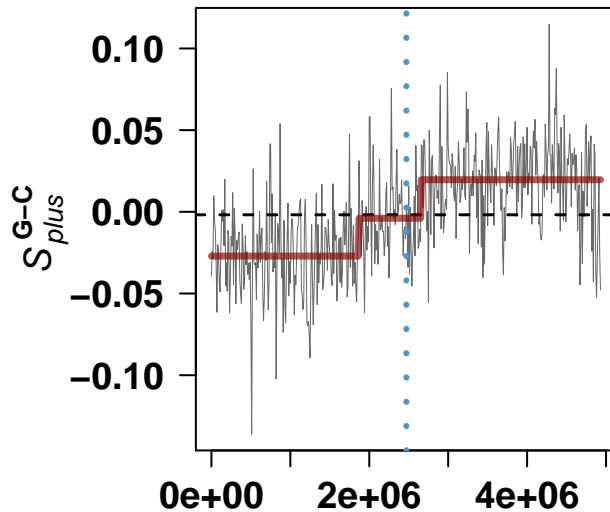


genome coordinates

Xanthomonas oryzae pv. *oryzae* MAFF 311018

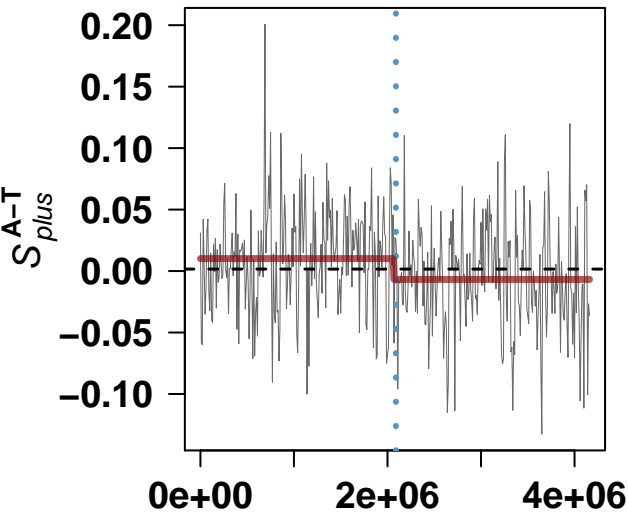


genome coordinates

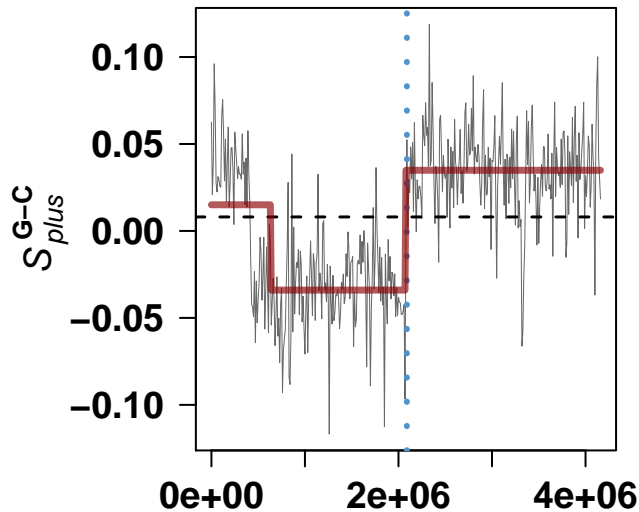


genome coordinates

Sodalis glossinidius str. 'morsitans'

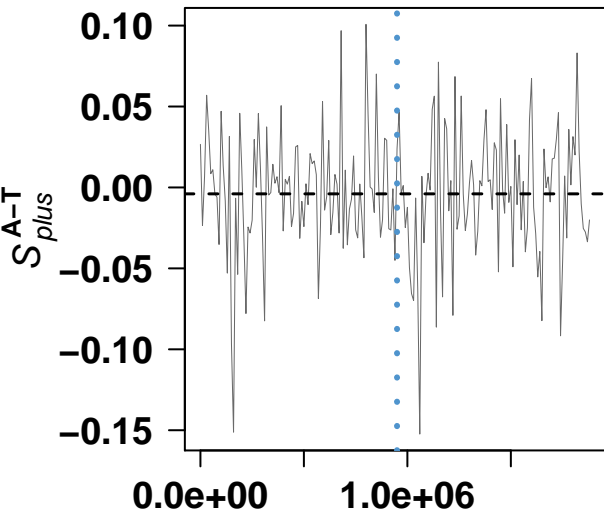


genome coordinates

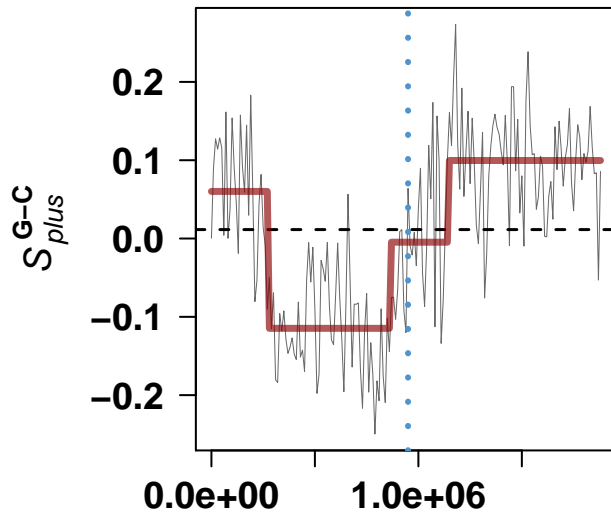


genome coordinates

Francisella tularensis subsp. holarctica LVS

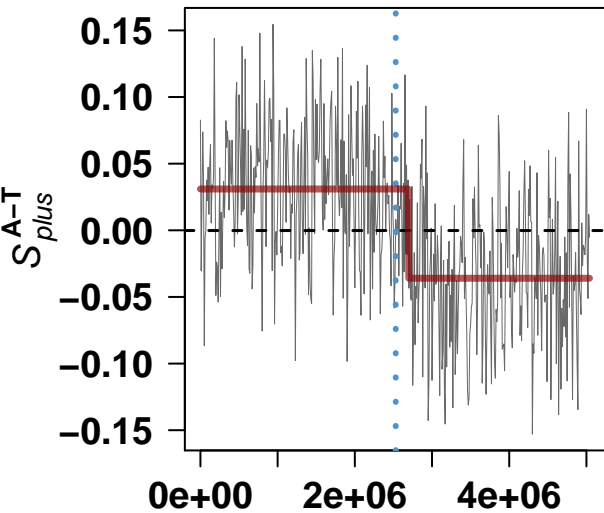


genome coordinates

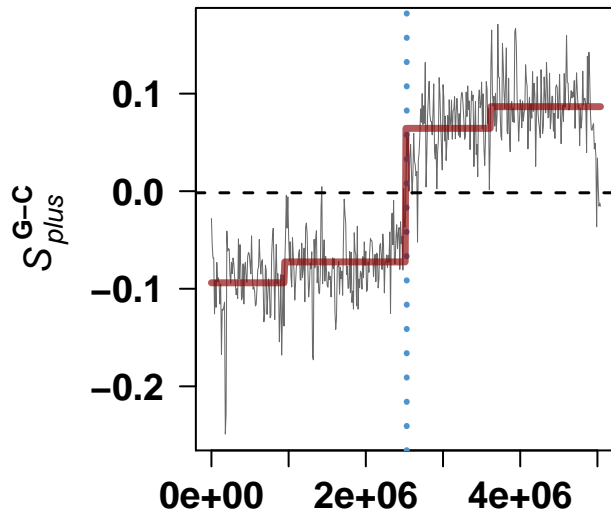


genome coordinates

Saccharophagus degradans 2-40

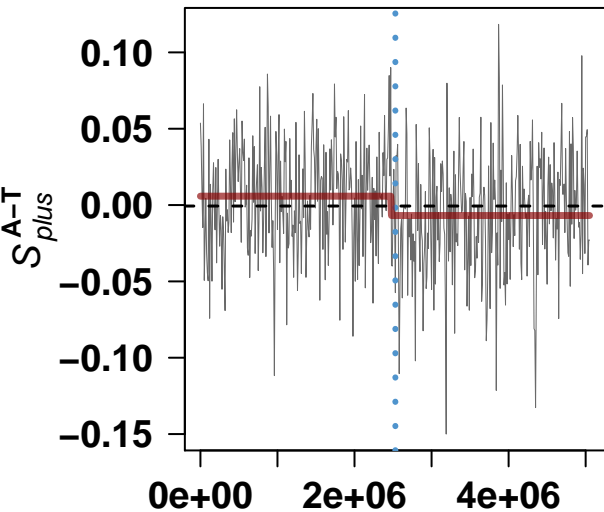


genome coordinates

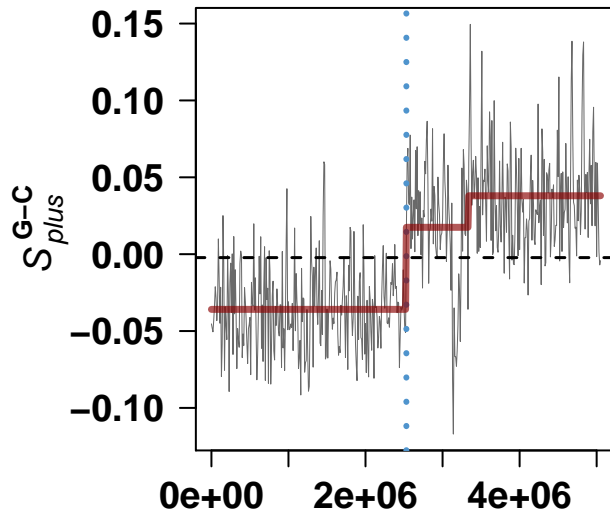


genome coordinates

Escherichia coli UTI89

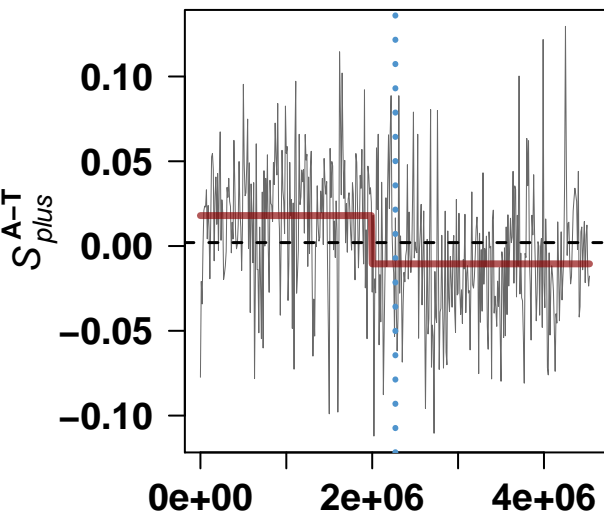


genome coordinates

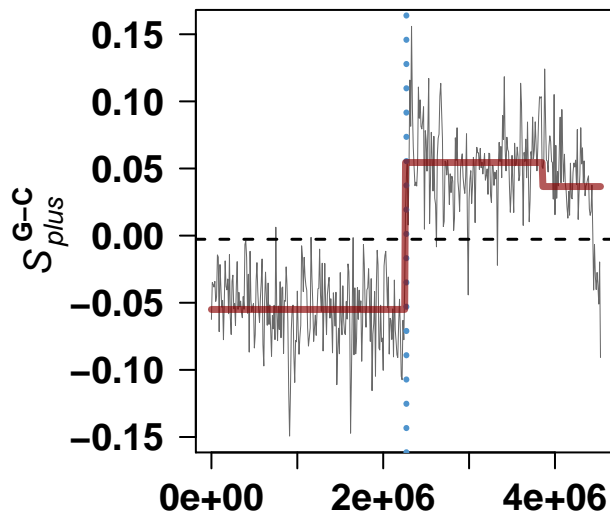


genome coordinates

Shewanella denitrificans OS217

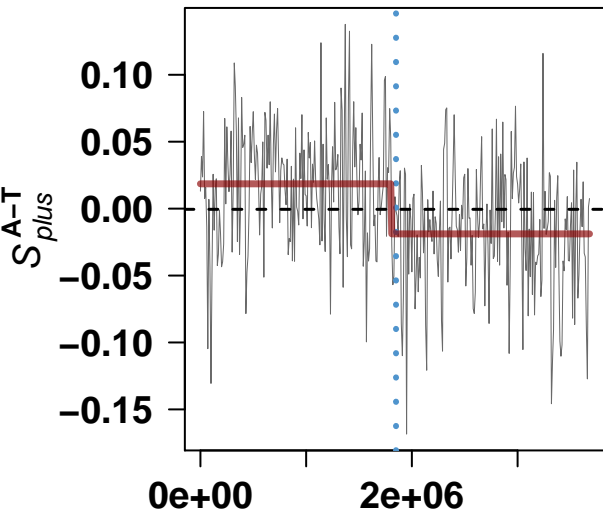


genome coordinates

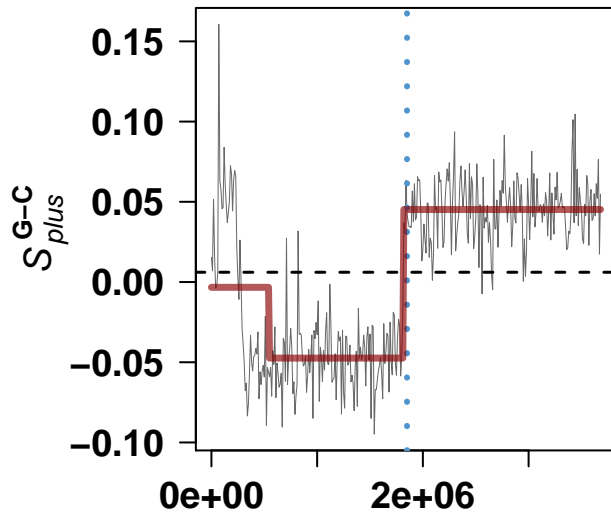


genome coordinates

Chromohalobacter salexigens DSM 3043

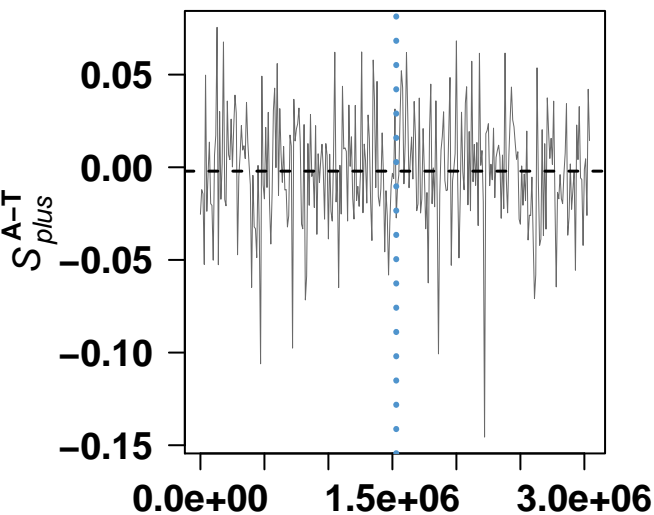


genome coordinates

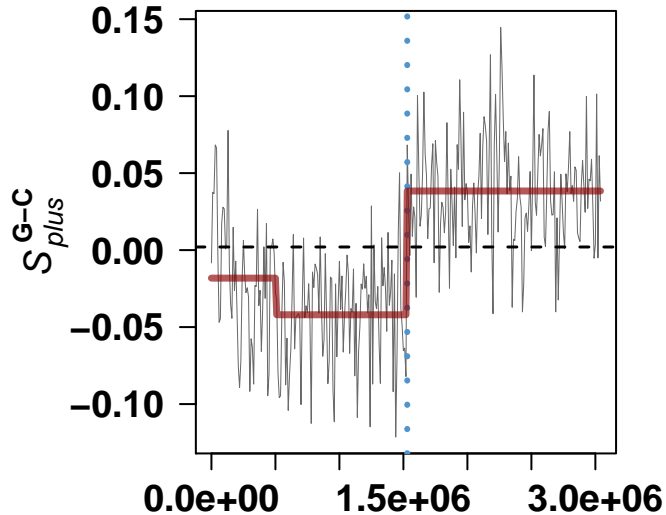


genome coordinates

Psychrobacter cryohalolentis K5

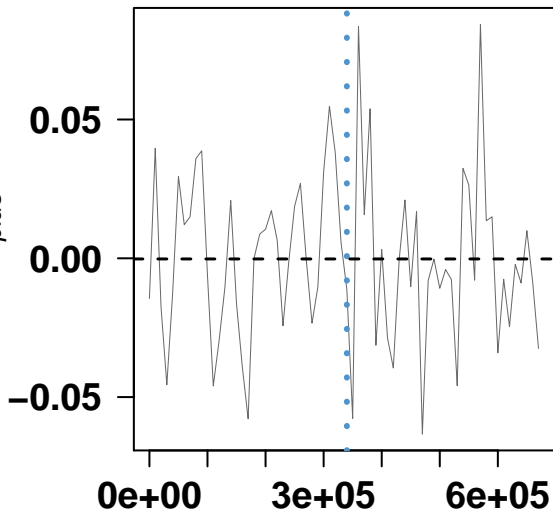


genome coordinates

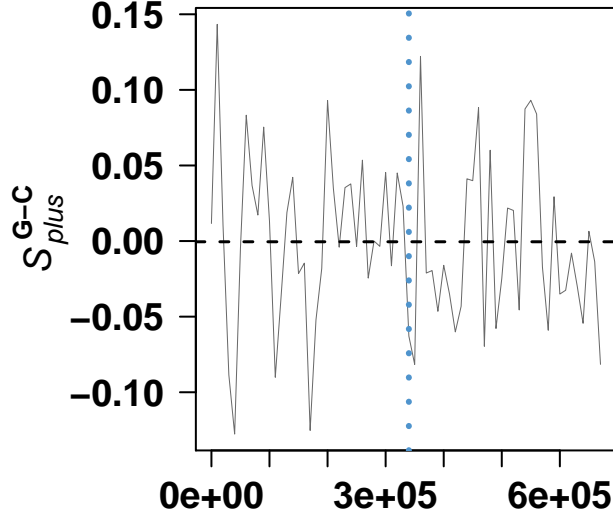


genome coordinates

Baumannia cicadellinicola str. Hc (Homalodisca coagulata)

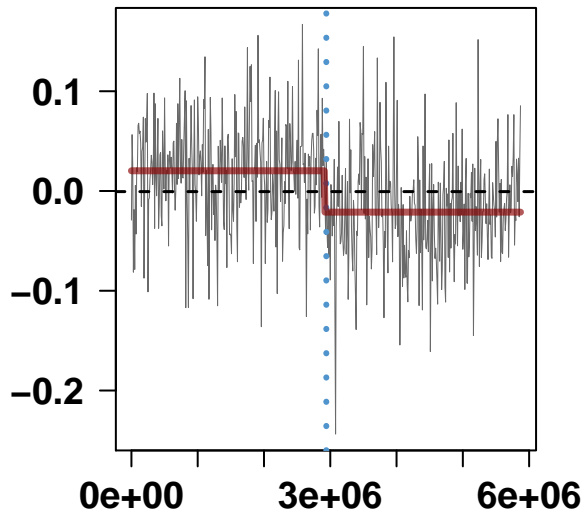


genome coordinates

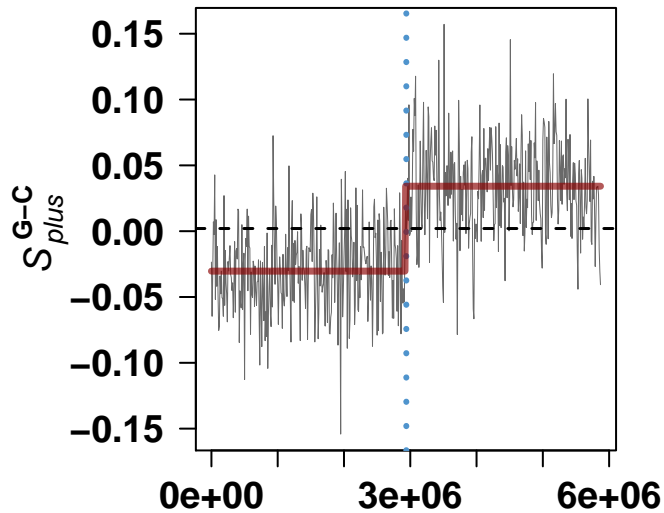


genome coordinates

Pseudomonas entomophila L48

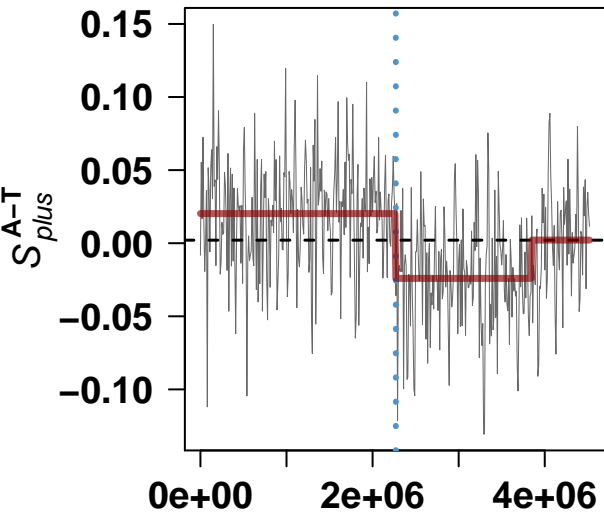


genome coordinates

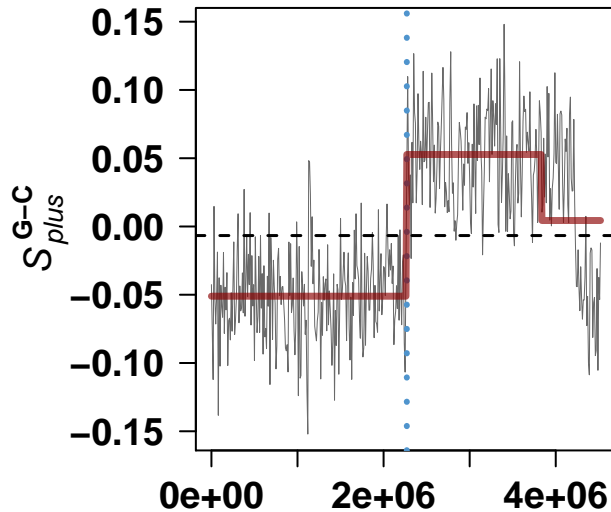


genome coordinates

Yersinia pestis Nepal516

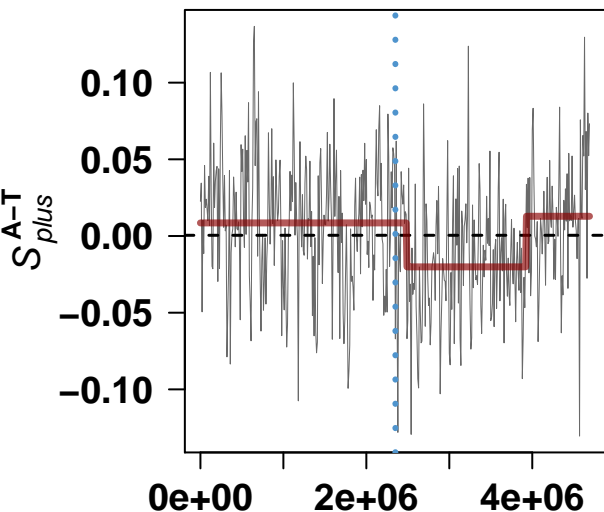


genome coordinates

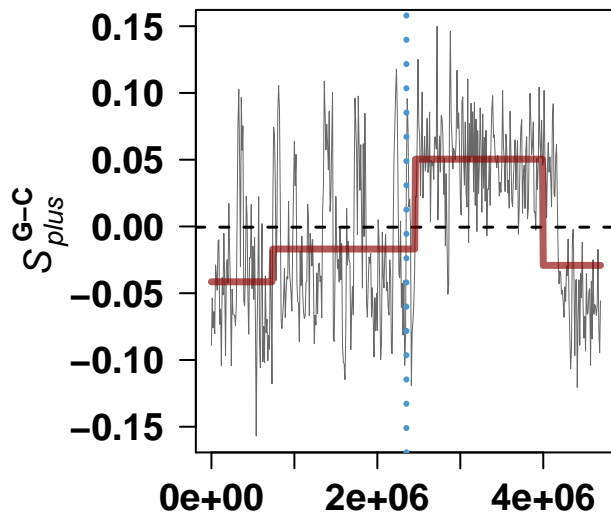


genome coordinates

Yersinia pestis Antiqua

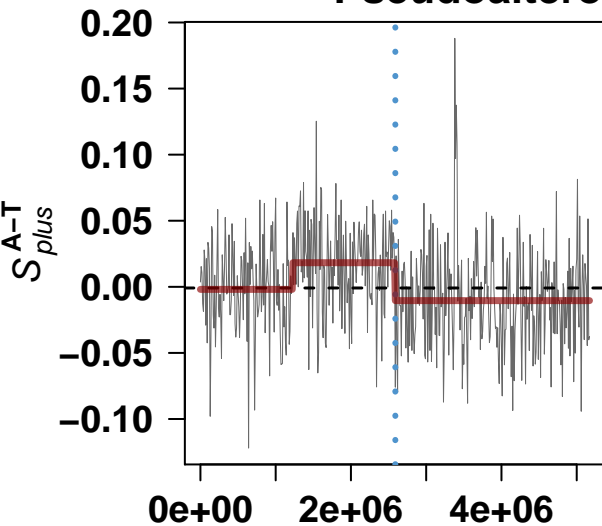


genome coordinates

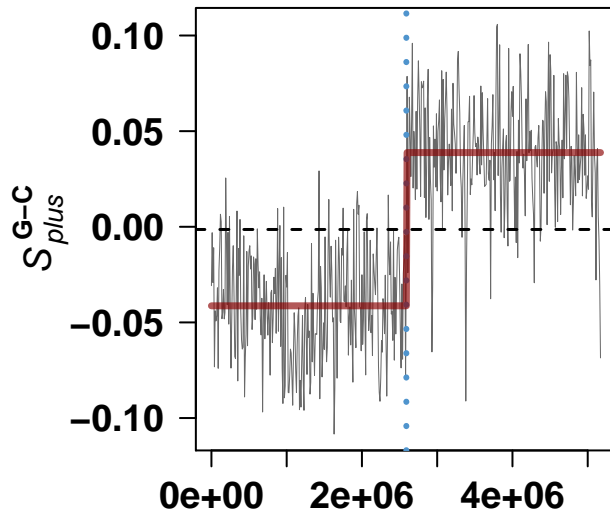


genome coordinates

Pseudoalteromonas atlantica T6c

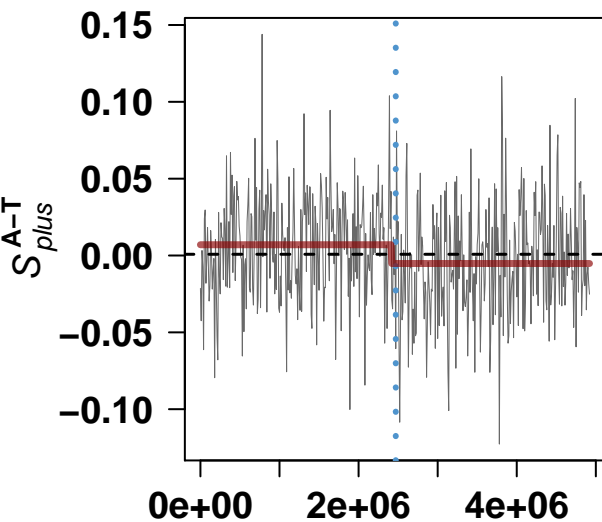


genome coordinates

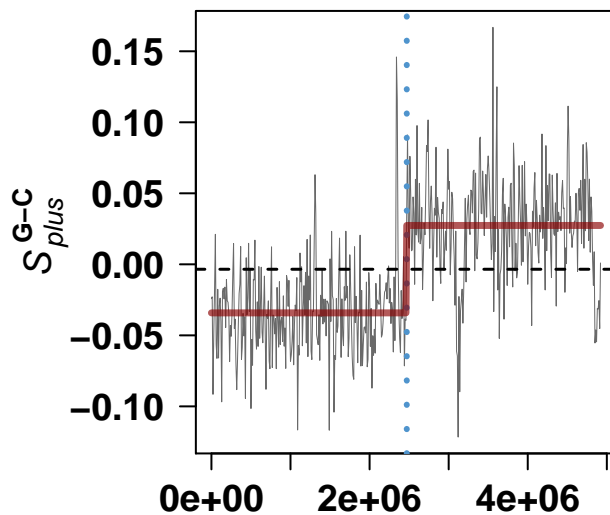


genome coordinates

Escherichia coli 536

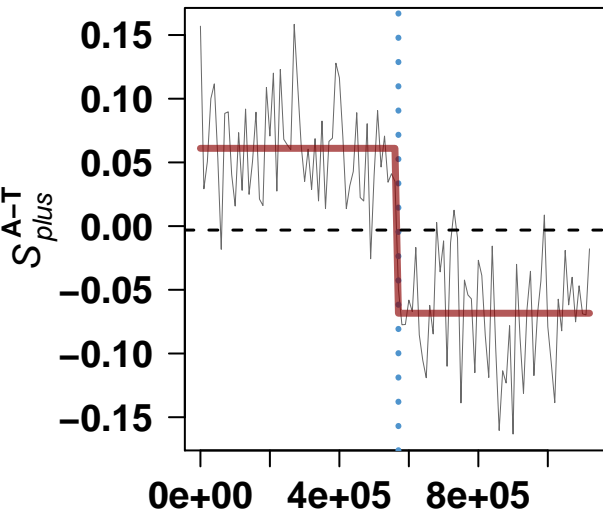


genome coordinates

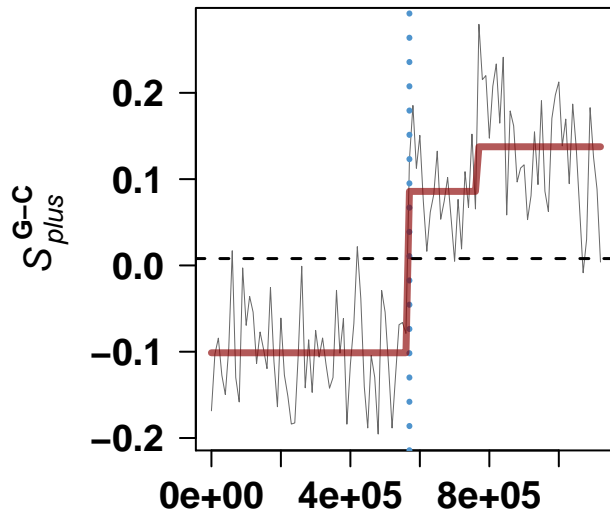


genome coordinates

Treponema pallidum subsp. *pallidum* str. Nichols

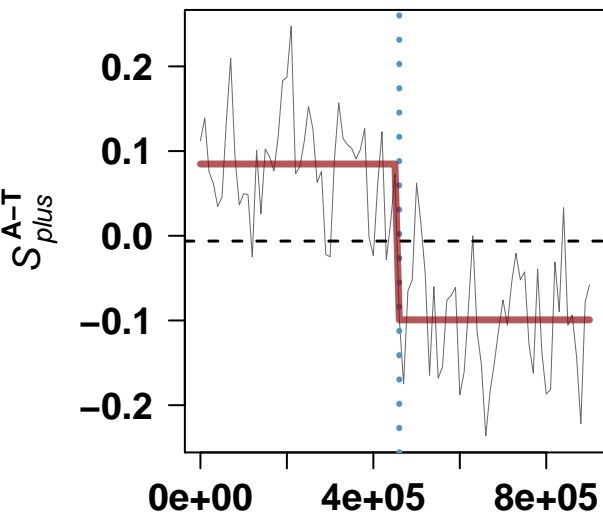


genome coordinates

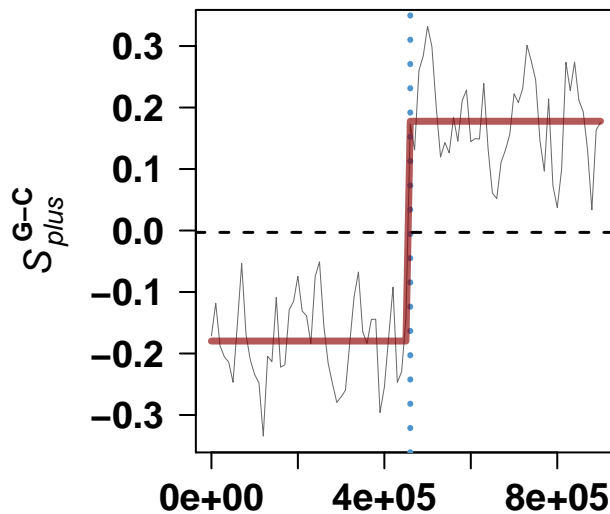


genome coordinates

Borrelia burgdorferi B31

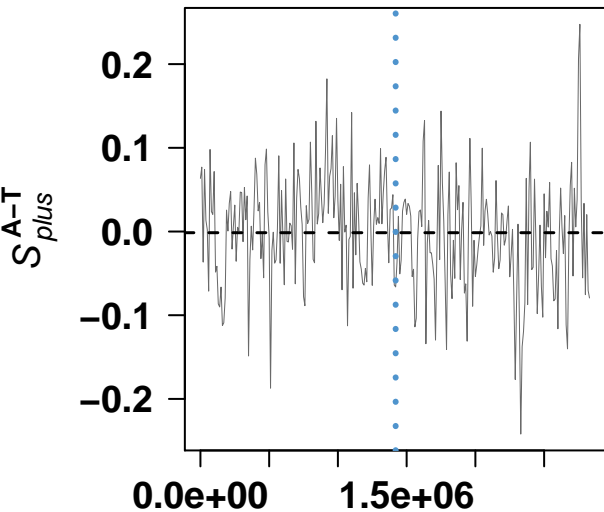


genome coordinates

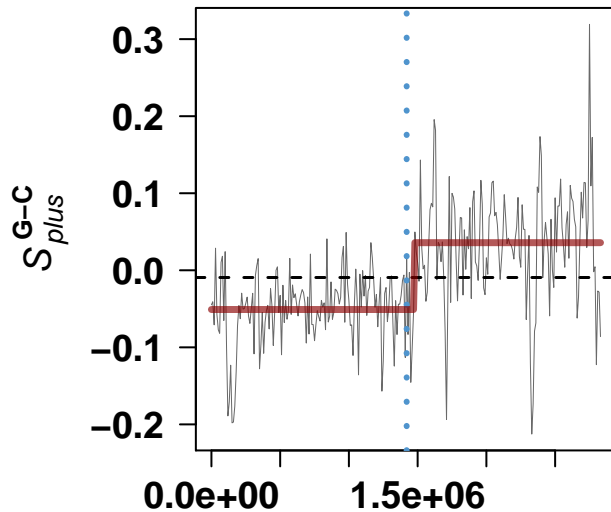


genome coordinates

Treponema denticola ATCC 35405

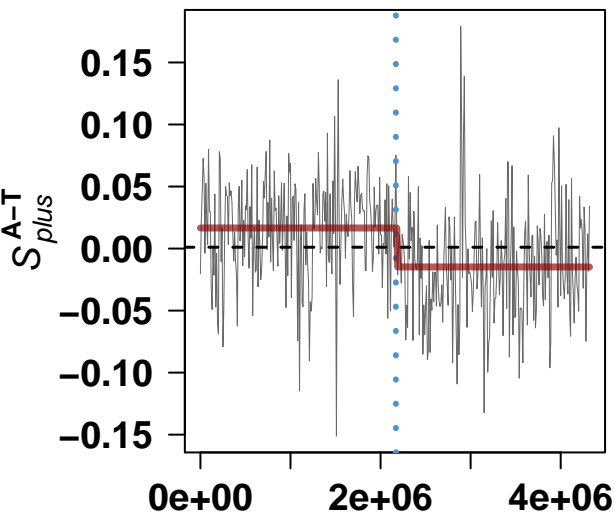


genome coordinates

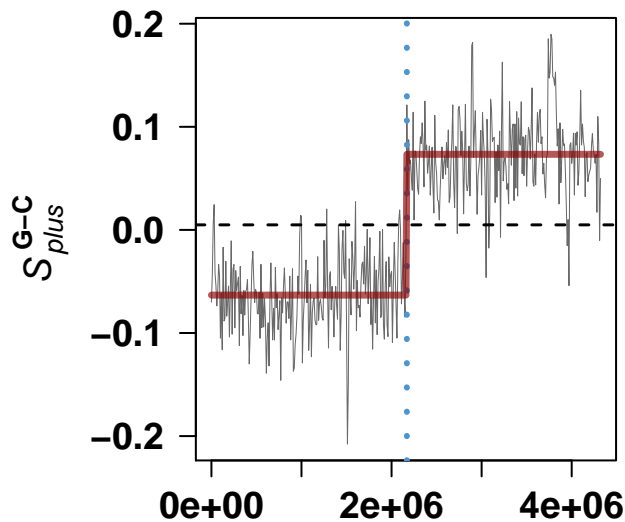


genome coordinates

Leptospira interrogans serovar Lai str. 56601

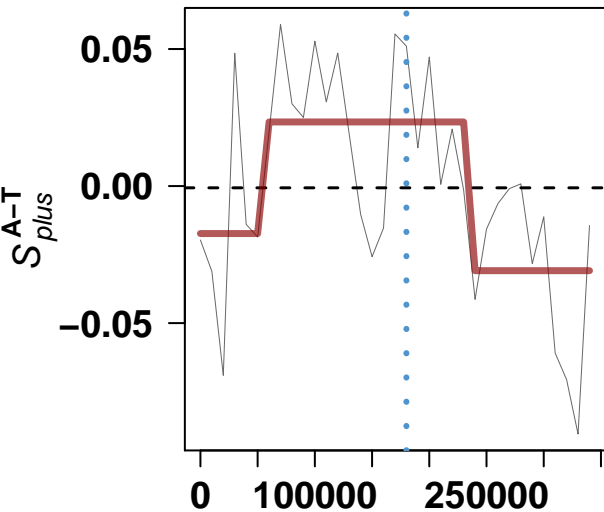


genome coordinates

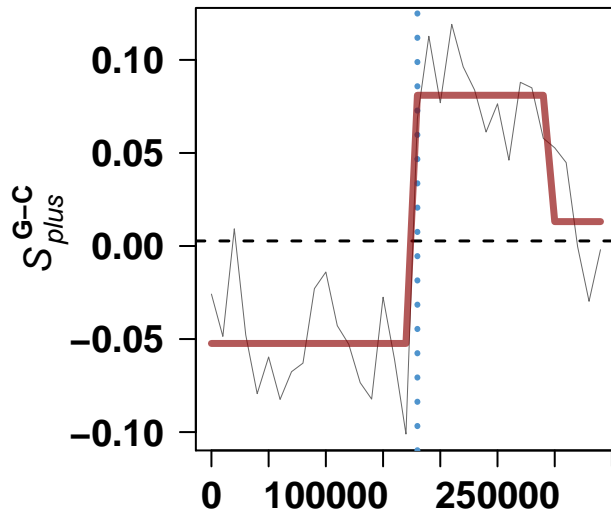


genome coordinates

Leptospira interrogans serovar Lai str. 56601

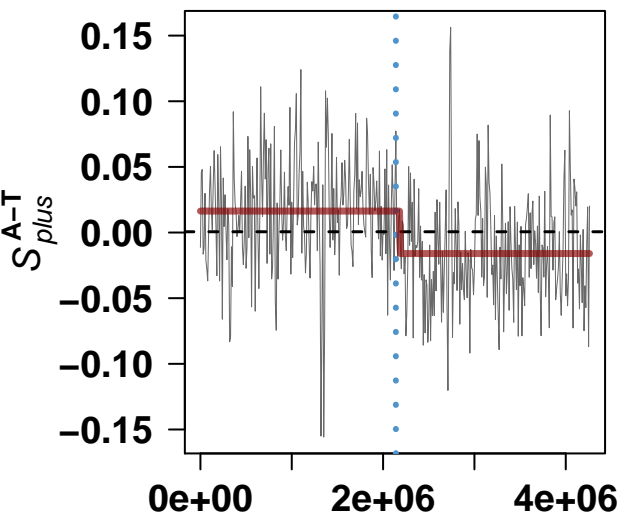


genome coordinates

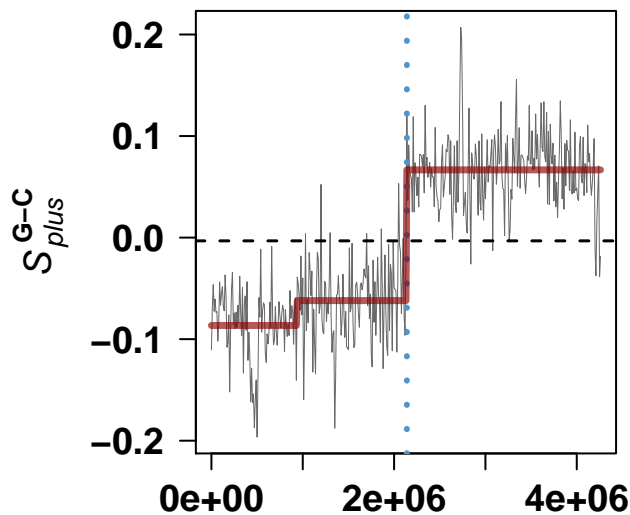


genome coordinates

Leptospira interrogans serovar Copenhageni str. Fiocruz L1-130

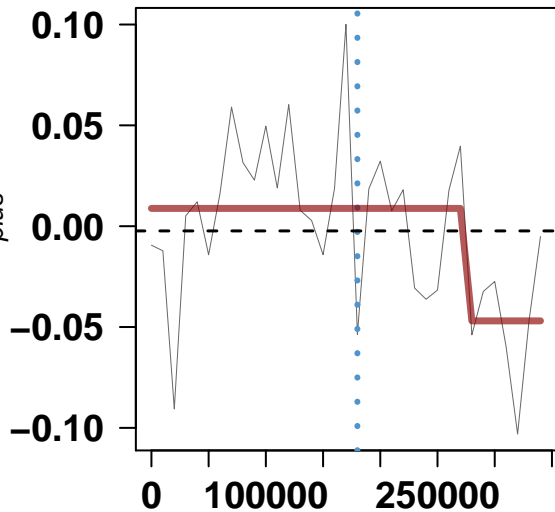


genome coordinates

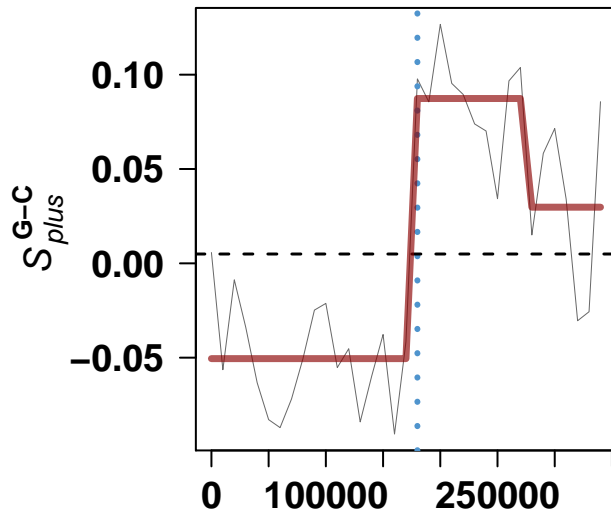


genome coordinates

Leptospira interrogans serovar Copenhageni str. Fiocruz L1-130

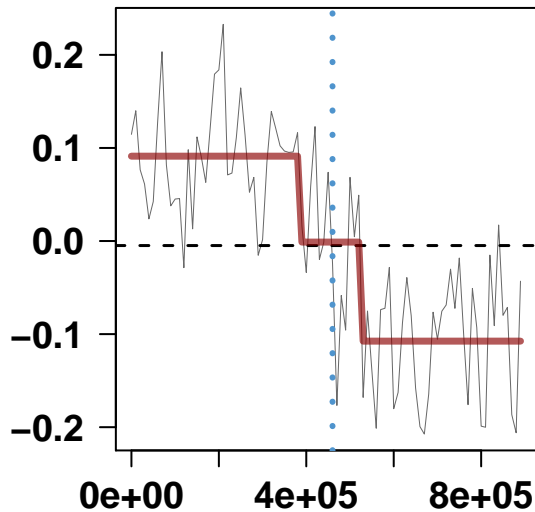


genome coordinates

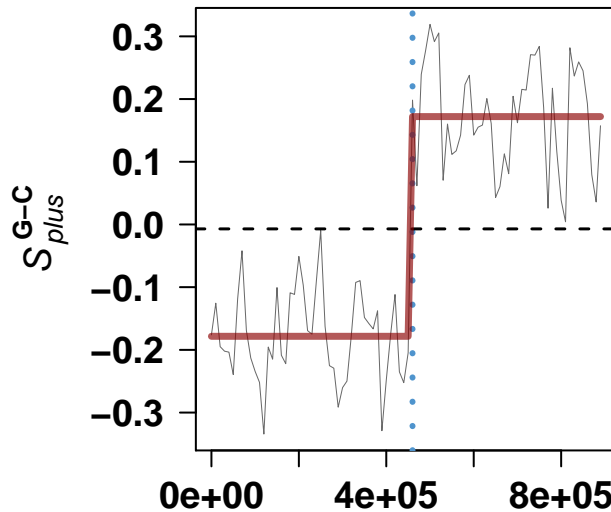


genome coordinates

Borrelia garinii PBI

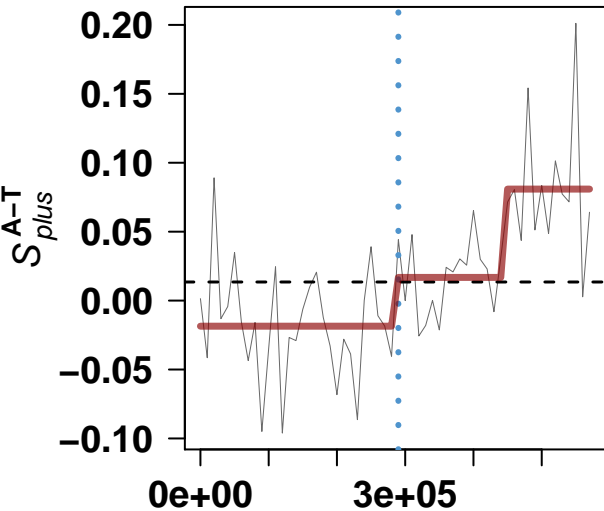


genome coordinates

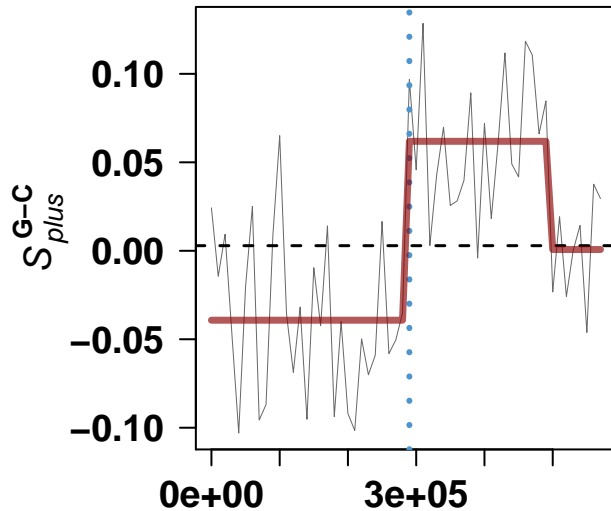


genome coordinates

Mycoplasma genitalium G37

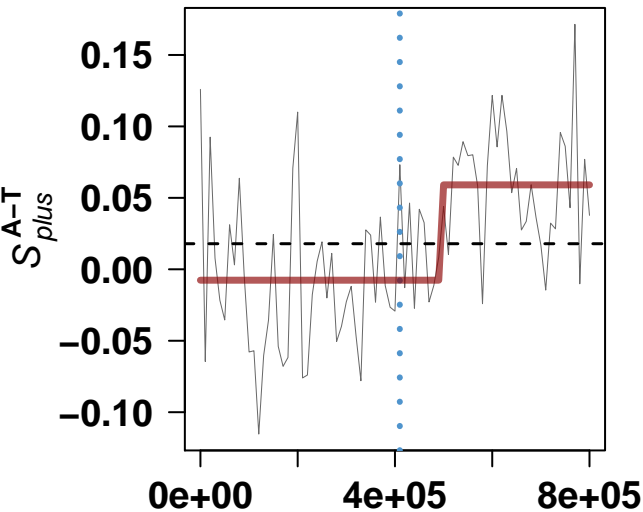


genome coordinates

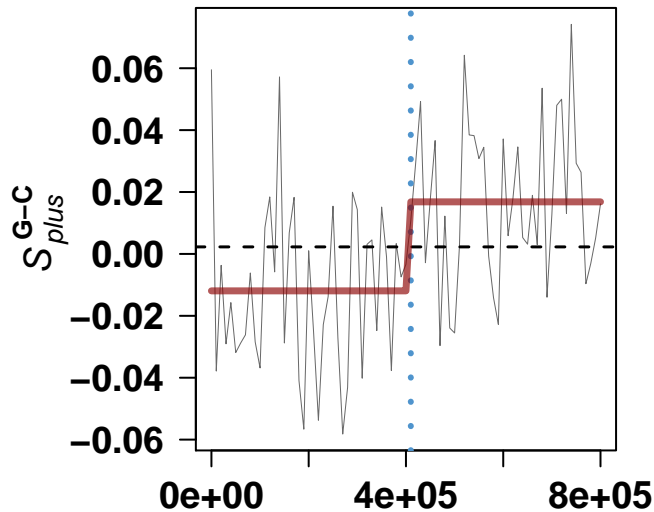


genome coordinates

Mycoplasma pneumoniae M129

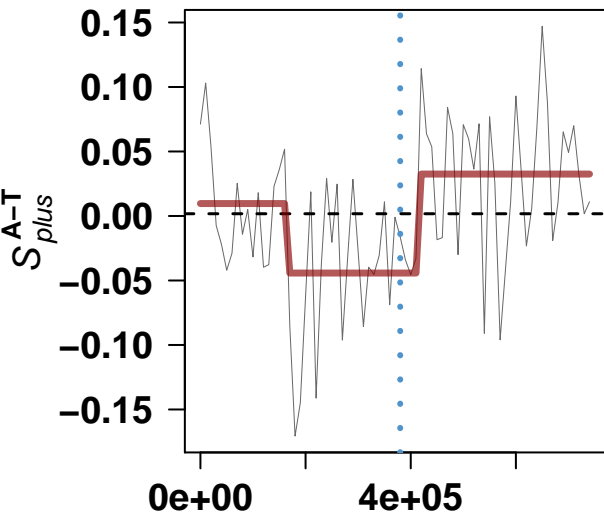


genome coordinates

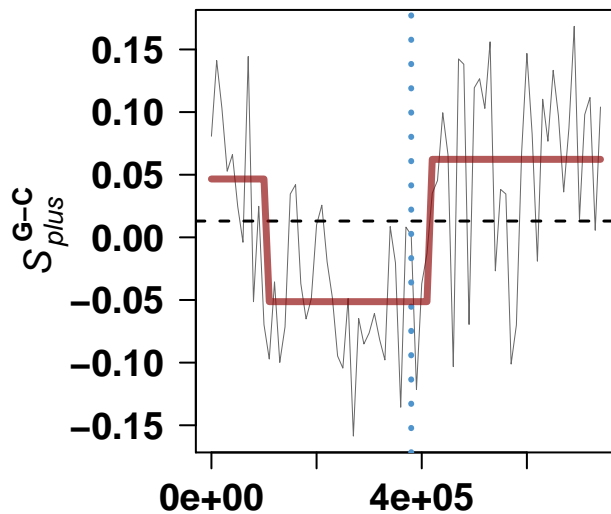


genome coordinates

Ureaplasma parvum serovar 3 str. ATCC 700970

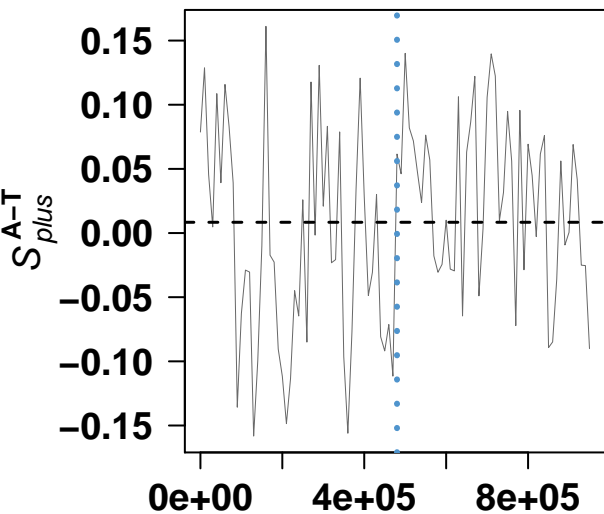


genome coordinates

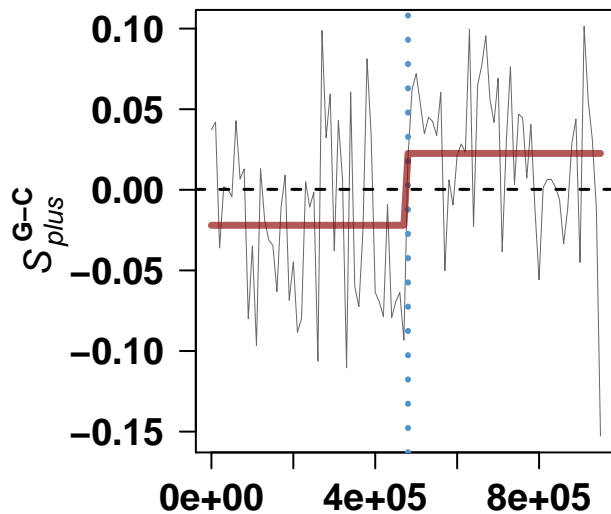


genome coordinates

Mycoplasma pulmonis UAB CTIP

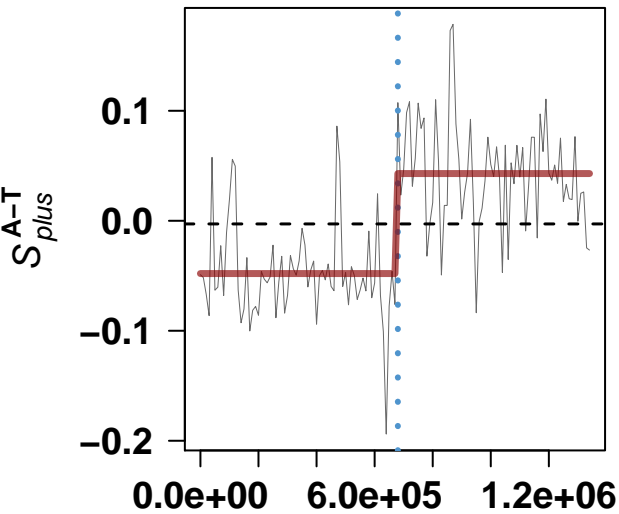


genome coordinates

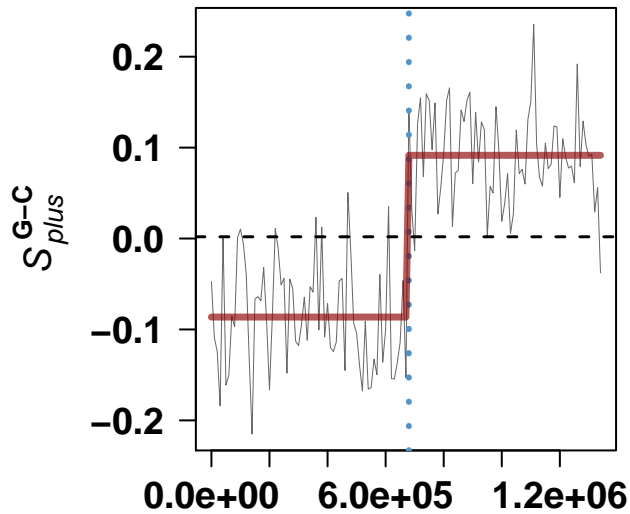


genome coordinates

Mycoplasma penetrans HF-2

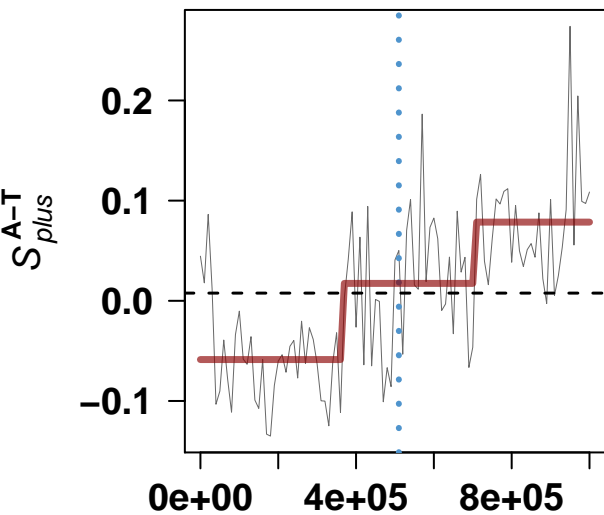


genome coordinates

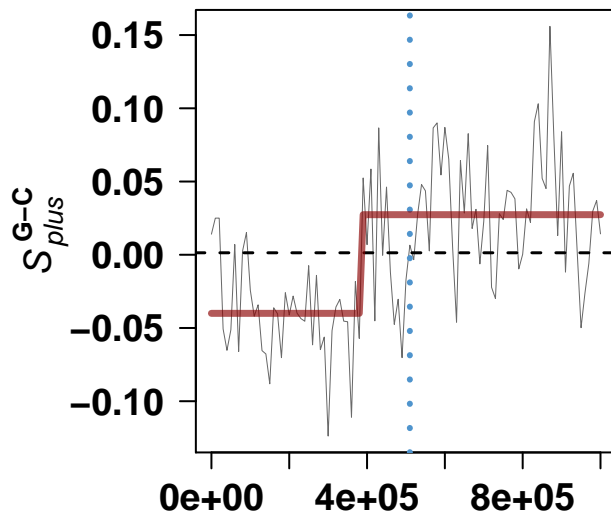


genome coordinates

Mycoplasma gallisepticum str. R(low)

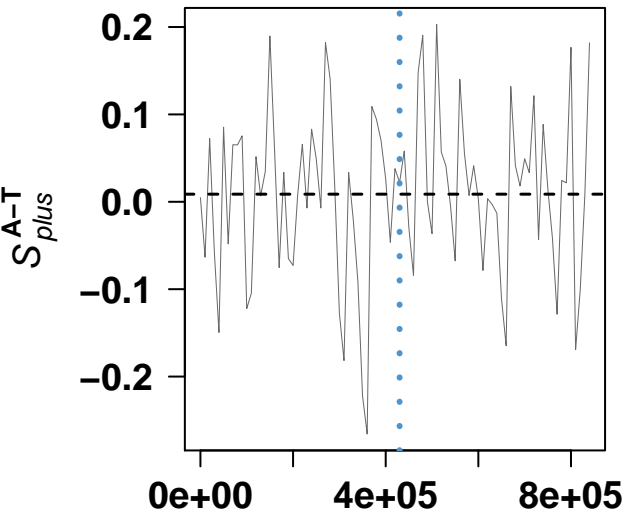


genome coordinates

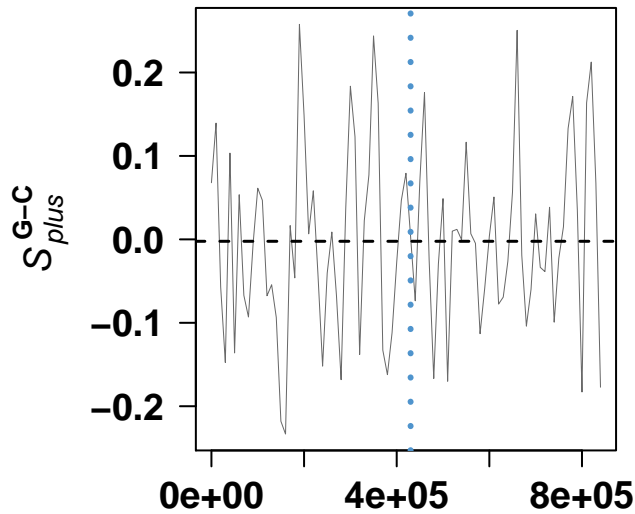


genome coordinates

Onion yellows phytoplasma OY-M

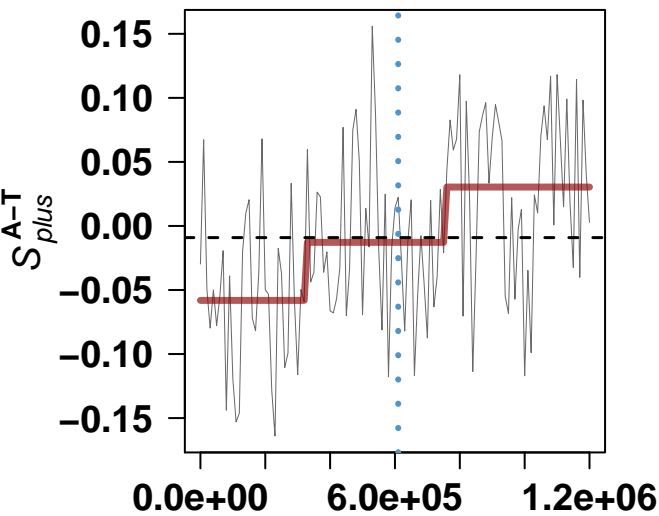


genome coordinates

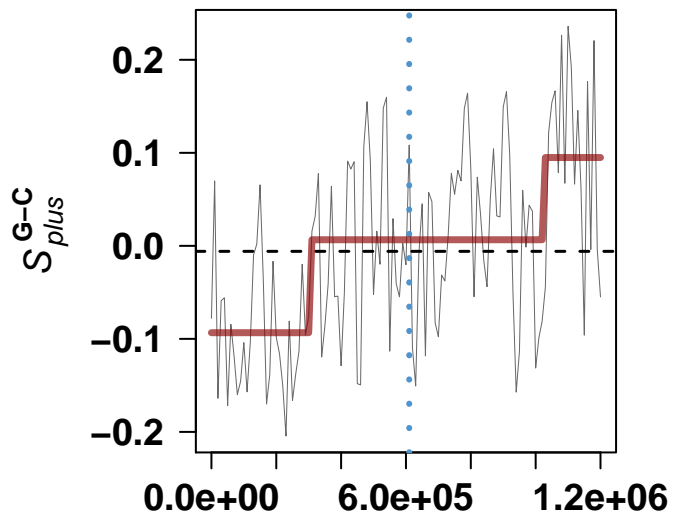


genome coordinates

Mycoplasma mycoides subsp. mycoides SC str. PG1

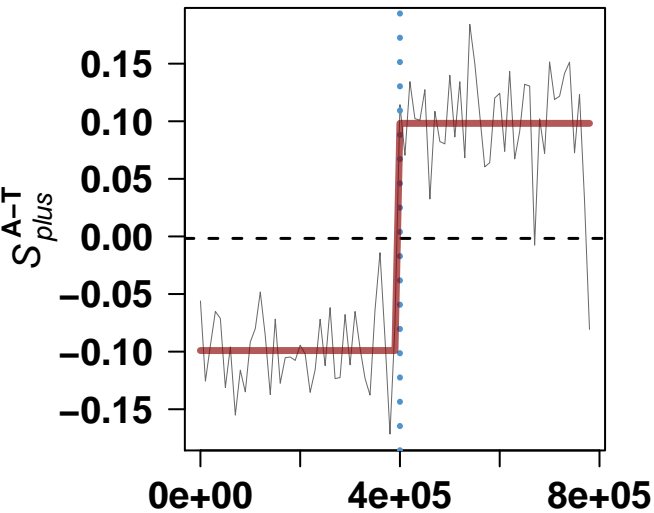


genome coordinates

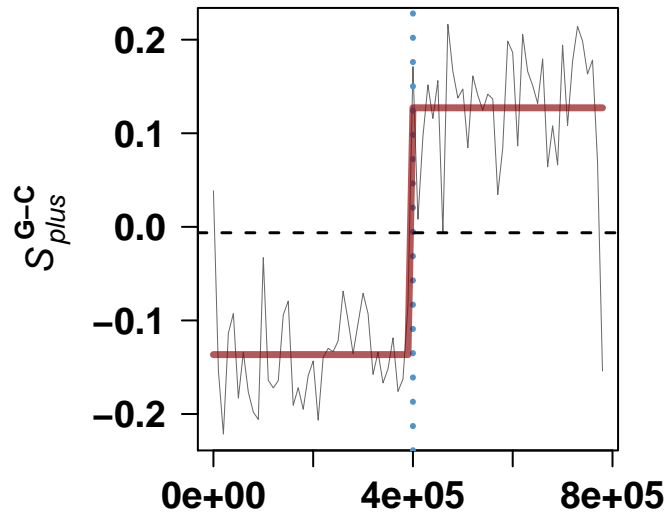


genome coordinates

Mesoplasma florum L1

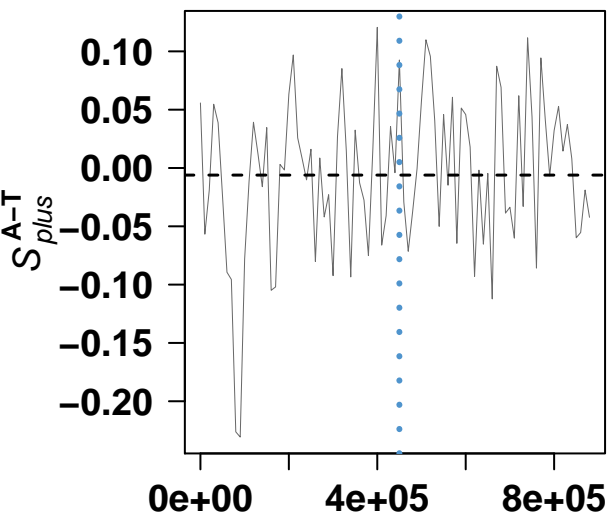


genome coordinates

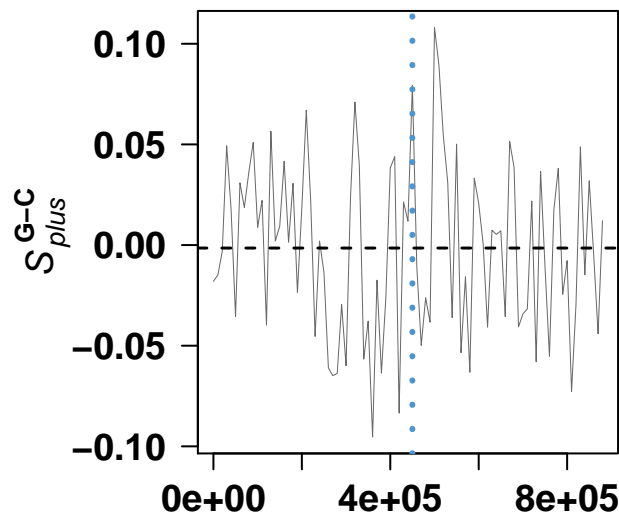


genome coordinates

Mycoplasma hypopneumoniae 232

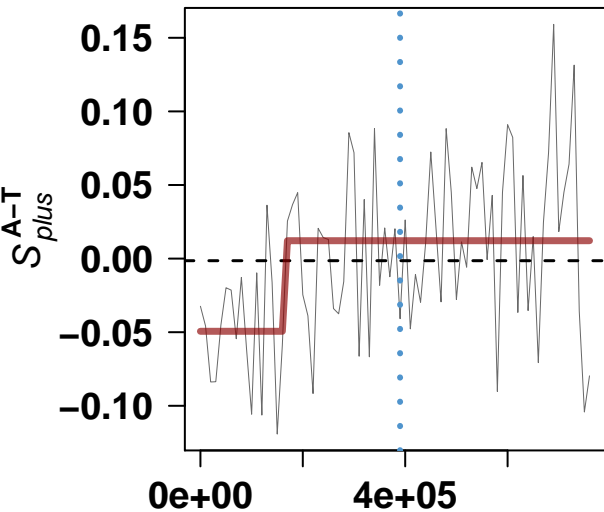


genome coordinates

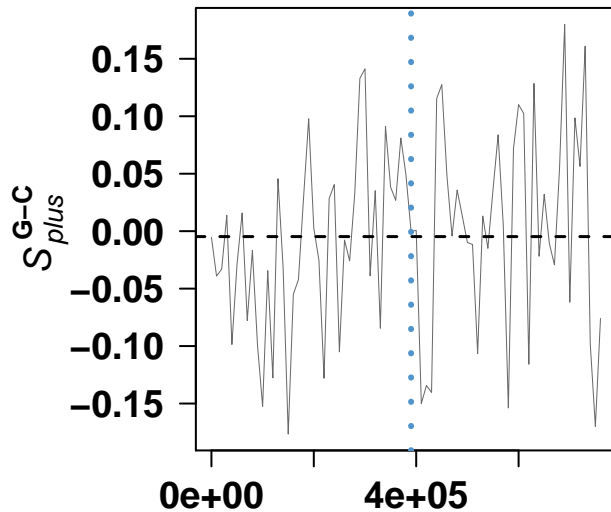


genome coordinates

Mycoplasma mobile 163K

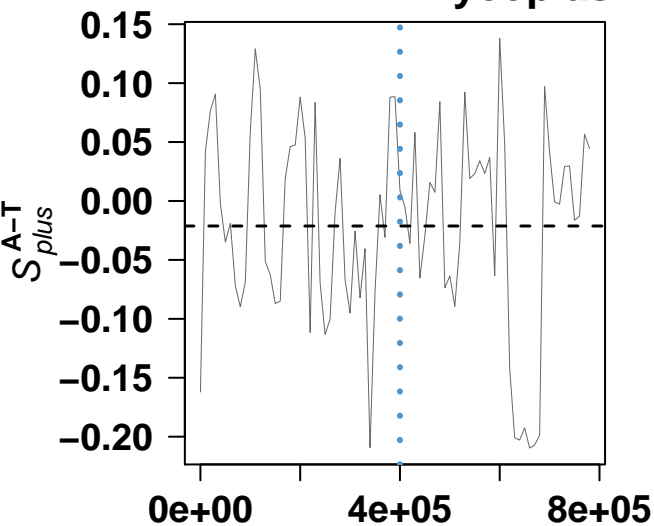


genome coordinates

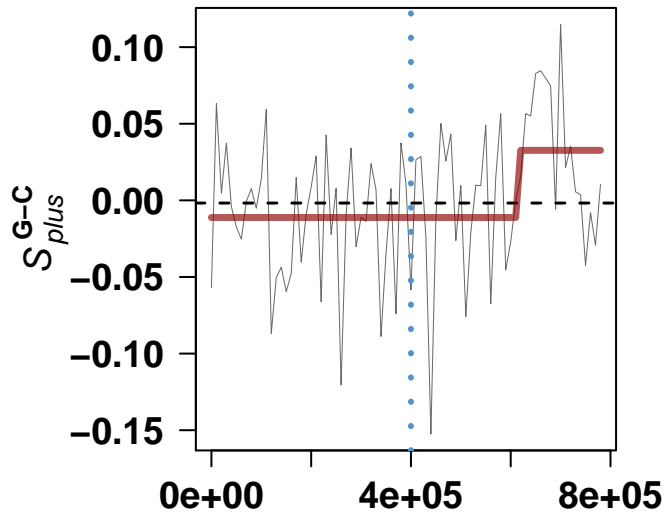


genome coordinates

Mycoplasma synoviae 53

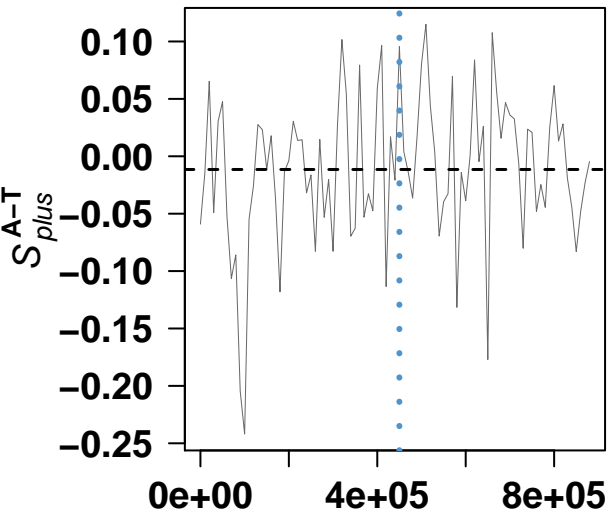


genome coordinates

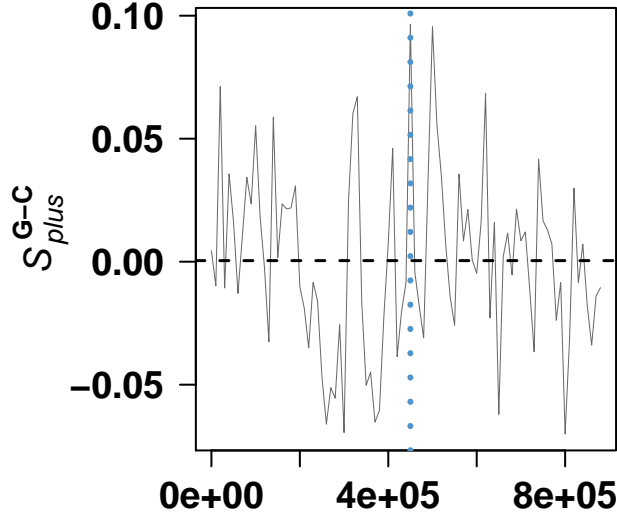


genome coordinates

Mycoplasma hyopneumoniae J

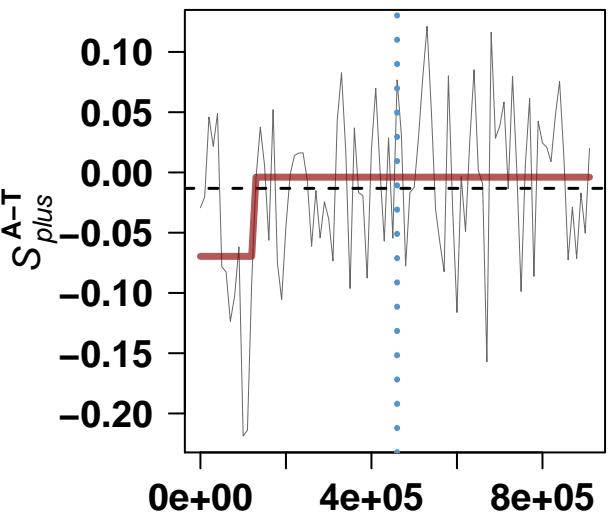


genome coordinates

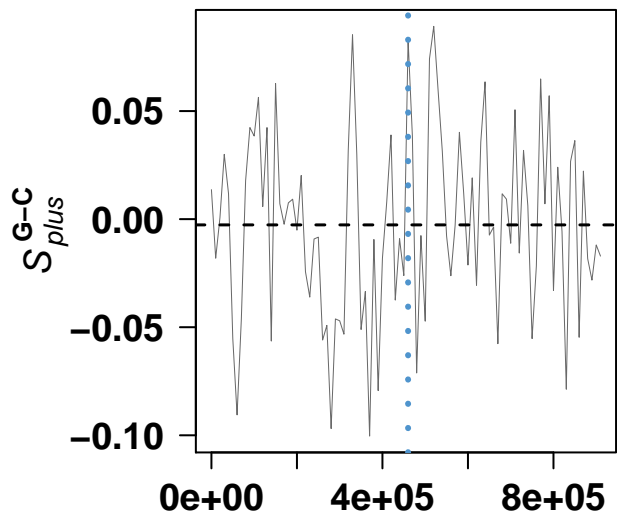


genome coordinates

Mycoplasma hyopneumoniae 7448

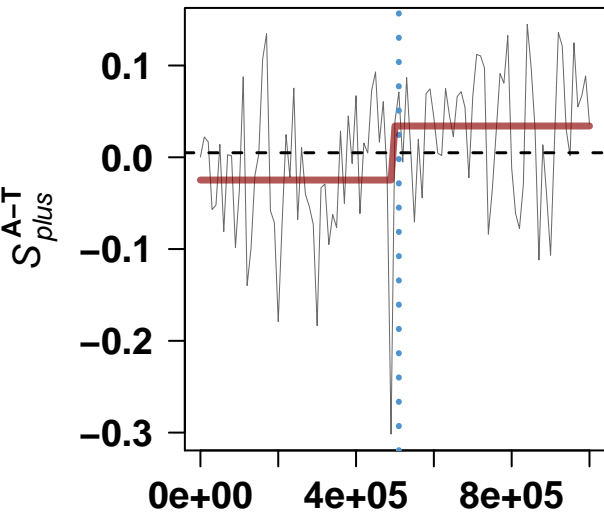


genome coordinates

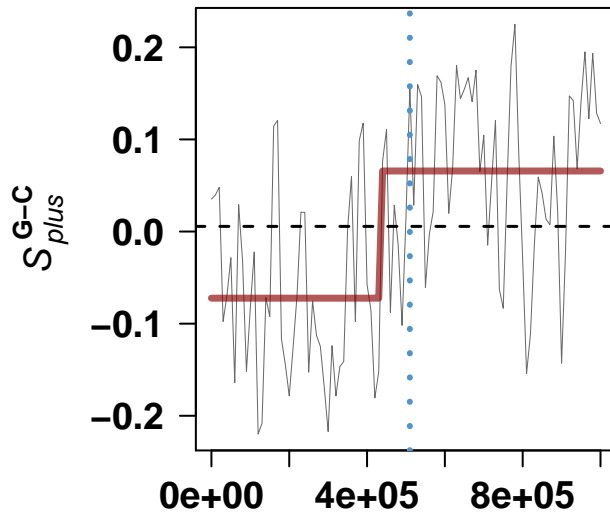


genome coordinates

Mycoplasma capricolum subsp. capricolum ATCC 27343

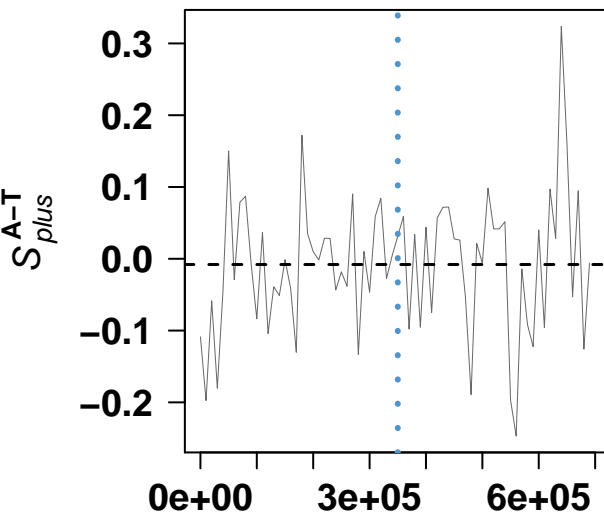


genome coordinates

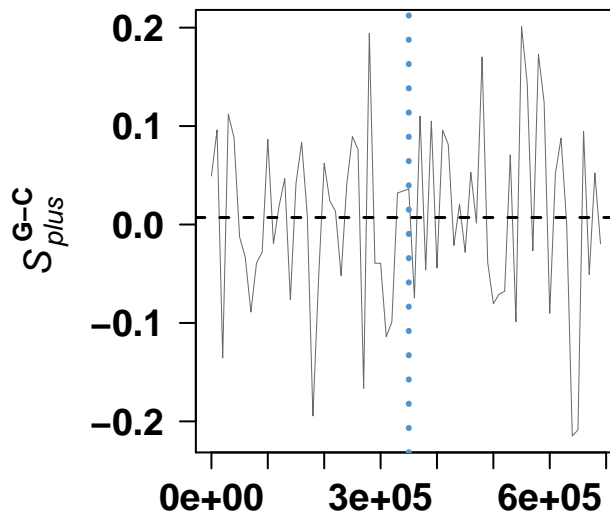


genome coordinates

Aster yellows witches'-broom phytoplasma AYWB



genome coordinates



genome coordinates