

Таблица 2. Список бактерий, для которых алгоритм нашел потенциальную аттенуаторную регуляцию. Приведены сокращенные имена бактерий, а в ряде случаев – и варианты штаммов или близкие виды.

Тип/класс	Порядок	Вид	Сокращенное название
Actinobacteria	Actinomycetales	<i>Corynebacterium diphtheriae</i>	DIP
		<i>Corynebacterium efficiens</i>	CE
		<i>Corynebacterium glutamicum</i>	cg, cgR
		<i>Corynebacterium jeikeium</i>	jk
		<i>Streptomyces avermitilis</i>	SAV
		<i>Streptomyces coelicolor</i>	SCO
		<i>Streptomyces venezuelae</i>	SVE
		<i>Streptomyces scabies</i>	SCA
		<i>Thermobifida fusca</i>	Tfu
		<i>Thermomonospora fusca</i>	RTFU
		<i>Nocardia farcinica</i>	nfa
		<i>Saccharopolyspora erythraea</i>	SACE
		<i>Kineococcus radiotolerans</i>	Krad
		<i>Mycobacterium avium</i>	MAV
		<i>Mycobacterium bovis</i>	BCG
		<i>Mycobacterium leprae</i>	ML
		<i>Mycobacterium tuberculosis</i>	MtubH
		<i>Mycobacterium</i> sp. KMS	Mkms
		<i>Mycobacterium marinum</i>	Mma
		<i>Mycobacterium smegmatis</i>	MSMEG
		<i>Mycobacterium vanbaalenii</i>	Mvan
		<i>Mycobacterium ulcerans</i>	MUL
		<i>Mycobacterium gilvum</i>	Mgil
		<i>Mycobacterium flavescens</i>	Mflv
		<i>Mycobacterium microti</i>	Micro
		<i>Tropheryma whipplei</i>	TW
		<i>Frankia alni</i>	FRAAL
		<i>Frankia</i> sp.	Francci3, Franeanl
		<i>Nocardioides</i> sp.	Noca
		<i>Clavibacter michiganensis</i>	CLAV
		<i>Salinispora arenicola</i>	Sare
		<i>Salinispora tropica</i>	Strop
		<i>Arthrobacter aurescens</i>	Aaur
		<i>Arthrobacter</i> sp.	Arth
		<i>Leifsonia xyli</i>	Lxx
		<i>Brevibacterium linens</i>	Blin
		<i>Rhodococcus jostii</i>	RHA1
		<i>Rhodococcus equi</i>	Req
		<i>Actinomyces naeslundii</i>	Anae
		<i>Janibacter</i> sp.	JNB
		<i>Acidothermus cellulolyticus</i>	Acel
		<i>Atopobium minutum</i>	Amin
	Bifidobacteriales	<i>Bifidobacterium longum</i>	BLO
		<i>Bifidobacterium adolescentis</i>	BAD
	unclassified Actinobacteria	<i>marine actinobacterium</i>	MAR
Alpha-proteobacteria	Rhodobacterales	<i>Roseobacter denitrificans</i>	RD1
		<i>Roseobacter</i> sp.	RSK20926
		<i>Roseovarius</i> sp.	RTM1035
		<i>Roseovarius nubinhibens</i>	ISM
		<i>Sulfitobacter</i> sp.	NAS141
		<i>Silicibacter</i> sp.	TM1040
		<i>Oceanicola granulosus</i>	OG2516
		<i>Oceanicola batsensis</i>	OB2597
		<i>Oceanicaulis alexandrii</i>	OA2633
		<i>Loktanella vestfoldensis</i>	SKA53
		<i>Sagittula stellata</i>	SSE37

		<i>Dinoroseobacter shibae</i>	Dshi
		<i>Jannaschia</i> sp.	Jann
		<i>Rhodobacter sphaeroides</i>	Rsph17025
		<i>Rhodobacterales bacterium</i>	RB2654, RB2150, OM2255
		<i>Stappia aggregata</i>	SIAM614
		<i>Hyphomonas neptunium</i>	HNE
		<i>Maricaulis maris</i>	Mmar
	Rhizobiales	<i>Fulvimarina pelagi</i>	FP2506
		<i>Brucella melitensis</i>	BAB1, BME
		<i>Brucella ovis</i>	BOV
		<i>Brucella suis</i>	BR
		<i>Brucella abortus</i>	BruAb1
		<i>Aurantimonas</i> sp.	SI859A1
		<i>Rhodopseudomonas palustris</i>	RPE, RPC
		<i>Agrobacterium tumefaciens</i>	Atu
		<i>Ochrobactrum anthropi</i>	Oant
		<i>Sinorhizobium meliloti</i>	SMc
		<i>Sinorhizobium medicae</i>	Smed
		<i>Rhizobium etli</i>	RHE
		<i>Rhizobium leguminosarum</i>	RL
		<i>Mesorhizobium loti</i>	ml
		<i>Mesorhizobium</i> sp.	Meso
		<i>Bradyrhizobium</i> sp.	BRAD, BRADO
		<i>Bradyrhizobium japonicum</i>	blr
		<i>Xanthobacter autotrophicus</i>	Xaut
		<i>Methylobacterium extorquens</i>	Mext
		<i>Methylobacterium</i> sp.	M446
		<i>Azorhizobium caulinodans</i>	AZC
		<i>Nitrobacter</i> sp.	NB311A
		<i>Nitrobacter winogradskyi</i>	Nwi
		<i>Nitrobacter hamburgensis</i>	Nham
		<i>Candidatus Pelagibacter</i>	SAR11
		<i>Bartonella quintana</i>	BQ
	Caulobacterales	<i>Caulobacter crescentus</i>	CC
		<i>Caulobacter</i> sp.	Caul
	Rhodospirillales	<i>Magnetospirillum magnetotactic</i>	Magn
		<i>Magnetospirillum magneticum</i>	amb
		<i>Granulibacter bethesdensis</i>	GbCGDNIH1
		<i>Rhodospirillum rubrum</i>	Rru
	Sphingomonadales	<i>Zymomonas mobilis</i>	ZMO
		<i>Sphingomonas wittichii</i>	Swit
	unclassif. Proteobacteria	<i>Magnetococcus</i> sp. Mc-1	Mmc1
	unclassif. Proteobacteria	<i>Mariprofundus ferrooxydans</i>	SPV1
	unclassif. Alphaproteobacteria	<i>alpha proteobacterium</i>	OM2255
Beta-proteobacteria	Burkholderiales	<i>Bordetella pertussis</i>	BP
		<i>Bordetella bronchiseptica</i>	BB
		<i>Bordetella parapertussis</i>	BPP
		<i>Bordetella avium</i>	Bavium, Bav
		<i>Ralstonia eutropha</i>	H16, Reut
		<i>Ralstonia metallidurans</i>	Rmet
		<i>Ralstonia solanacearum</i>	RSc
		<i>Ralstonia pickettii</i>	Rpic
		<i>Delftia acidovorans</i>	Daci
		<i>Polaromonas</i> sp.	Bpro
		<i>Burkholderia thailandensis</i>	BTH
		<i>Burkholderia pseudomallei</i>	Bpse110, BURPS
		<i>Burkholderia mallei</i>	BmalP
		<i>Burkholderia vietnamiensis</i>	Bcep1808
		<i>Burkholderia ambifaria</i>	BamMC406
		<i>Burkholderia cepacia</i>	Bamb
		<i>Burkholderia cenocepacia</i>	Bcen2424
		<i>Burkholderia</i> sp.	Bcep18194
		<i>Burkholderia fungorum</i>	Bcep
		<i>Burkholderia dolosa</i>	Bdola
		<i>Burkholderia multivorans</i>	Bmul
		<i>Burkholderia xenovorans</i>	Bxe

		<i>Burkholderia phytofirmans</i>	Bphyt
		<i>Hermiinimonas arsenicoxydans</i>	HEAR
		<i>Janthinobacterium</i> sp.	mma
		<i>Polynucleobacter</i> sp.	Pnuc
		<i>Acidovorax</i> sp.	Ajs
		<i>Methylibium petroleiphilum</i>	Mpe
		<i>Comamonas testosteroni</i>	Ctes
	Rhodocyclales	<i>Azoarcus</i> sp.	azo
		<i>Dechloromonas aromatica</i>	Daro
	Neisseriales	<i>Chromobacterium violaceum</i>	CV
	Methylophilales	<i>Methylobacillus flagellatus</i>	Mfla
	Nitrosomonadales	<i>Nitrosospira multiformis</i>	Nmul
Delta-proteobacteria	Desulfobacterales	<i>Desulfotalea psychrophila</i>	DP
		<i>Desulfovibrio desulfuricans</i>	Dde
		<i>Desulfococcus oleovorans</i>	Dole
		<i>Lawsonia intracellularis</i>	LI
	Desulfuromonadales	<i>Geobacter sulfurreducens</i>	GSU
		<i>Geobacter bemidjensis</i>	Gbem
		<i>Geobacter uraniumreducens</i>	Gura
		<i>Geobacter</i> sp.	Geob, GeobDRAFT
		<i>Desulfuromonas acetoxidans</i>	Dace
		<i>Pelobacter propionicus</i>	Ppro
		<i>Pelobacter carbinolicus</i>	Pcar
	Syntrophobacterales	<i>Syntrophus aciditrophicus</i>	SYN
		<i>Syntrophobacter fumaroxidans</i>	Sfum
	Myxococcales	<i>Stigmatella aurantiaca</i>	STIAU
		<i>Myxococcus xanthus</i>	MXAN
		<i>Plesiocystis pacifica</i>	PPSIR1
	Bdellovibrionales	<i>Bdellovibrio bacteriovorus</i>	Bd
	unclassif. Deltaproteobacteria	<i>delta proteobacterium</i>	MldD
Gamma-proteobacteria	Enterobacteriales	<i>Escherichia coli</i>	EcE, EcE24377A
		<i>Salmonella typhi</i>	t, t1219
		<i>Salmonella enterica</i>	STY, Sententer
		<i>Salmonella typhimurium</i>	STM
		<i>Klebsiella pneumoniae</i>	KPN
		<i>Yersinia pestis</i>	YPN, YpAngola, YPIP275
		<i>Yersinia mollaretii</i>	Ymola
		<i>Yersinia bercovieri</i>	YberA
		<i>Yersinia pseudotuberculosis</i>	Yps, YpsIP31758, YpsIP
		<i>Yersinia frederiksenii</i>	YfreA
		<i>Yersinia enterocolitica</i>	YE
		<i>Yersinia intermedia</i>	YintA
		<i>Citrobacter koseri</i>	CKO
		<i>Shigella dysenteriae</i>	SDY
		<i>Shigella flexneri</i>	S, SFV
		<i>Shigella boydii</i>	SbBS, SbBs512, SboyB
		<i>Shigella sonnei</i>	SSON
		<i>Enterobacter</i> sp. 638	Ent, Ent638
		<i>Enterobacter sakazakii</i>	ESA
		<i>Erwinia carotovora</i>	ECA
		<i>Serratia proteamaculans</i>	Spro
		<i>Photobacterium luminescens</i>	plu
		<i>Sodalis glossinidius</i>	SG
	Pasteurellales	<i>Pasteurella multocida</i>	PMO, PM
		<i>Haemophilus influenzae</i>	HI, NTHI
		<i>Haemophilus somnus</i>	HSM
		<i>Mannheimia haemolytica</i>	Mannh
	Vibrionales	<i>Vibrionales bacterium</i>	VSWAT, VSWAT3
		<i>Photobacterium profundum</i>	P3TCK, PBPRa, PBPR
		<i>Photobacterium</i> sp. SKA34	SKA, SKA34
		<i>Vibrio fischeri</i>	VF
		<i>Vibrio cholerae</i>	VC, VCO395, A5A
		<i>Vibrio parahaemolyticus</i>	VP, A79
		<i>Vibrio vulnificus</i>	VV, VV1
		<i>Vibrio angustum</i>	VAS14

		<i>Vibrio shilonii</i>	VSAK1
		<i>Vibrio harveyi</i>	VIBHAR, A1Q
		<i>Vibrio</i> sp. MED222, Ex25	MED222, Vex2w
		<i>Vibrio alginolyticus</i>	V12G01
		<i>Vibrio splendidus</i>	V12B01
	Alteromonadales	<i>Moritella</i> sp. PE36	PE36
		<i>Shewanella oneidensis</i>	SO
		<i>Shewanella</i> sp. MR-4, W3181	Shewmr, Sputw3181, Sputw
		<i>Shewanella baltica</i>	Sbal, Sbal195, Sbal223
		<i>Shewanella putrefaciens</i>	Sput, Sputcn32, Sput200
		<i>Shewanella sediminis</i>	Ssed
		<i>Shewanella frigidimarina</i>	Sfri
		<i>Shewanella denitrificans</i>	Sden
		<i>Shewanella loihica</i>	Shew
		<i>Shewanella pealeana</i>	Spea
		<i>Shewanella woodyi</i>	Swoo, Swood
		<i>Shewanella amazonensis</i>	Sama
		<i>Colwellia psychrerythraea</i>	CPS
		<i>Alteromonadales bacterium</i>	ATW7
		<i>Pseudoalteromonas haloplanktis</i>	PSHA, PSHAa
		<i>Pseudoalteromonas tunicata</i>	PTD2
		<i>Pseudoalteromonas atlantica</i>	Patl
		<i>Alteromonas macleodii</i>	MADE
		<i>Psychromonas ingrahamii</i>	Ping
		<i>Psychromonas</i> sp. CNPT3	PCNPT3
		<i>Idiomarina loihiensis</i>	IL
		<i>Idiomarina baltica</i>	OS
	Aeromonadales	<i>Aeromonas salmonicida</i>	ASA
		<i>Aeromonas hydrophila</i>	AHA
	Xanthomonadales	<i>Xanthomonas campestris</i>	XC
		<i>Xanthomonas oryzae</i>	XOO
		<i>Xylella fastidioza</i>	Xfaso
	Pseudomonadales	<i>Pseudomonas putida</i>	Pput
		<i>Pseudomonas syringae</i>	PSPTO
		<i>Pseudomonas fluorescens</i>	PFL
Firmicutes	Bacillales	<i>Bacillus halodurans</i>	BH
		<i>Bacillus cereus</i>	Bcer
		<i>Bacillus thuringiensis</i>	BT9727; BALH
		<i>Bacillus anthracis</i>	BATI
		<i>Bacillus weihenstephanensis</i>	BcerKBAB4
		<i>Listeria welshimeri</i>	lwe
		<i>Listeria monocytogenes</i>	lmo
		<i>Listeria innocua</i>	lin
		<i>Staphylococcus aureus</i>	SA
		<i>Staphylococcus epidermidis</i>	SERP
		<i>Staphylococcus haemolyticus</i>	SH
		<i>Staphylococcus saprophyticus</i>	SSP
		<i>Geobacillus thermodenitrificans</i>	GTNG
	Clostridiales	<i>Clostridium difficile</i>	CD
	Lactobacillales	<i>Lactococcus lactis</i>	LACR
Bacteroidetes/ Chlorobi	Chlorobiales	<i>Chlorobium tepidum</i>	CT
	Bacteroidales	<i>Bacteroides fragilis</i>	BF
		<i>Bacteroides vulgatus</i>	BVU
		<i>Bacteroides thetaiotaomicron</i>	BT
		<i>Bacteroides uniformis</i>	BACUNI
		<i>Bacteroides ovatus</i>	BACOVA
		<i>Bacteroides caccae</i>	BACCAC
		<i>Parabacteroides distasonis</i>	BDI
		<i>Parabacteroides merdae</i>	PARMER
		<i>Porphyromonas gingivalis</i>	PGN
	Flavobacteriales	<i>Flavobacterium psychrophilum</i>	FP
		<i>Flavobacterium johnsoniae</i>	Fjoh
		<i>Flavobacterium bacterium</i>	FBAL38
		<i>Flavobacteriales bacterium</i>	FB2170
		<i>Croceibacter atlanticus</i>	CA2559
		<i>Gramella forsetii</i>	GFO

		<i>Robiginitalea biformata</i>	RB2501
		<i>Dokdonia donghaensis</i>	MED134
		<i>Leeuwenhoekiella blandensis</i>	MED217
		<i>Psychroflexus torquis</i>	P700755
		<i>Polaribacter irgensii</i>	PI23P
		<i>Polaribacter dokdonensis</i>	MED152
	Sphingobacteriales	<i>Cytophaga hutchinsonii</i>	CHU
		<i>Microscilla marina</i>	M23134
		<i>Algoriphagus</i> sp. PR1	ALPR1
	environmental samples	<i>unidentified eubacterium</i>	SCB49
Thermotogae	Thermotogales	<i>Thermotoga maritima</i>	TM
		<i>Thermotoga petrophila</i>	Tpet
Cloroflexi	Herpetosiphonales	<i>Herpetosiphon aurantiacus</i>	Haur