

Table S3. *Exiguobacterium* sp. Helios genes that are not present in *E. sibiricum*

Locus	Protein
HNY42_RS00240	phosphotransferase
HNY42_RS01115	hypothetical protein
HNY42_RS01120	hypothetical protein
HNY42_RS01125	VOC family protein
HNY42_RS01140	DUF4230 domain-containing protein
HNY42_RS01145	hypothetical protein
HNY42_RS02265	phosphotransferase
HNY42_RS02920	hypothetical protein
HNY42_RS02930	copper resistance protein CopC
HNY42_RS03025	DUF4352 domain-containing protein
HNY42_RS03030	hypothetical protein
HNY42_RS03035	hypothetical protein
HNY42_RS03040	hypothetical protein
HNY42_RS03045	dynamain family protein
HNY42_RS03065	DEAD/DEAH box helicase family protein
HNY42_RS03070	TIR domain-containing protein
HNY42_RS03080	DUF3006 family protein
HNY42_RS03090	DUF262 domain-containing protein
HNY42_RS03095	hypothetical protein
HNY42_RS03100	hypothetical protein
HNY42_RS03115	extracellular solute-binding protein
HNY42_RS03155	excalibur calcium-binding domain-containing protein
HNY42_RS03175	class I SAM-dependent methyltransferase
HNY42_RS03970	IS3 family transposase
HNY42_RS06980	hypothetical protein
HNY42_RS07210	helix-turn-helix domain-containing protein
HNY42_RS07235	hypothetical protein
HNY42_RS07240	MepB family protein
HNY42_RS07245	RNA polymerase sigma-70 factor
HNY42_RS07255	MarR family transcriptional regulator
HNY42_RS07260	NtaA/DmoA family FMN-dependent monooxygenase
HNY42_RS07270	NAD(P)-binding domain-containing protein
HNY42_RS07465	antibiotic biosynthesis monooxygenase
HNY42_RS07490	hypothetical protein
HNY42_RS07495	hypothetical protein
HNY42_RS07505	hypothetical protein
HNY42_RS07510	Petrobactin biosynthesis protein AsbE
HNY42_RS07515	TIM barrel protein
HNY42_RS07545	hypothetical protein
HNY42_RS07680	spore coat protein
HNY42_RS07685	spore coat protein
HNY42_RS07695	DUF2817 domain-containing protein
HNY42_RS07740	hypothetical protein
HNY42_RS07820	GNAT family N-acetyltransferase
HNY42_RS07825	SMI1/KNR4 family protein
HNY42_RS07830	hypothetical protein
HNY42_RS07845	hypothetical protein
HNY42_RS07950	hypothetical protein
HNY42_RS07975	PTS sugar transporter subunit IIB
HNY42_RS07980	PTS lactose/cellobiose transporter subunit IIA
HNY42_RS07985	PTS cellobiose transporter subunit IIC
HNY42_RS08000	DUF624 domain-containing protein

<i>HNH42_RS08010</i>	sugar ABC transporter substrate-binding protein
<i>HNH42_RS08025</i>	family 43 glycosylhydrolase
<i>HNH42_RS08035</i>	L-ribulose-5-phosphate 4-epimerase
<i>HNH42_RS08040</i>	L-arabinose isomerase
<i>HNH42_RS08045</i>	alpha-N-arabinofuranosidase
<i>HNH42_RS08055</i>	iron-containing alcohol dehydrogenase
<i>HNH42_RS08060</i>	family 43 glycosylhydrolase
<i>HNH42_RS08065</i>	family 43 glycosylhydrolase
<i>HNH42_RS08070</i>	hypothetical protein
<i>HNH42_RS08080</i>	hypothetical protein
<i>HNH42_RS08120</i>	hypothetical protein
<i>HNH42_RS08165</i>	helix-turn-helix domain-containing protein
<i>HNH42_RS08190</i>	hypothetical protein
<i>HNH42_RS08200</i>	barstar family protein
<i>HNH42_RS08215</i>	cupin
<i>HNH42_RS08230</i>	WYL domain-containing protein
<i>HNH42_RS08300</i>	DUF4304 domain-containing protein
<i>HNH42_RS08305</i>	hypothetical protein
<i>HNH42_RS08410</i>	class I SAM-dependent methyltransferase
<i>HNH42_RS08415</i>	hypothetical protein
<i>HNH42_RS08440</i>	acetoacetate decarboxylase family protein
<i>HNH42_RS08715</i>	hypothetical protein
<i>HNH42_RS08720</i>	GNAT family N-acetyltransferase
<i>HNH42_RS08735</i>	DUF1048 domain-containing protein
<i>HNH42_RS08740</i>	helix-turn-helix transcriptional regulator
<i>HNH42_RS08745</i>	CPBP family intramembrane metalloprotease
<i>HNH42_RS08810</i>	chitin disaccharide deacetylase
<i>HNH42_RS08820</i>	6-phospho-beta-glucosidase
<i>HNH42_RS08825</i>	PTS transporter subunit EIIC
<i>HNH42_RS08830</i>	PTS lactose/cellobiose transporter subunit IIA
<i>HNH42_RS08835</i>	PTS sugar transporter subunit IIB
<i>HNH42_RS09120</i>	hypothetical protein
<i>HNH42_RS09125</i>	ABC transporter permease subunit
<i>HNH42_RS09185</i>	MarR family transcriptional regulator
<i>HNH42_RS09190</i>	hypothetical protein
<i>HNH42_RS09230</i>	DUF3169 family protein
<i>HNH42_RS09275</i>	ABC transporter permease
<i>HNH42_RS09280</i>	hypothetical protein
<i>HNH42_RS09305</i>	IS3 family transposase
<i>HNH42_RS09340</i>	MarR family transcriptional regulator
<i>HNH42_RS09450</i>	phosphotransferase
<i>HNH42_RS09455</i>	phosphotransferase
<i>HNH42_RS09530</i>	group-specific protein
<i>HNH42_RS09570</i>	serine hydrolase
<i>HNH42_RS12045</i>	hypothetical protein
<i>HNH42_RS13520</i>	DUF2785 domain-containing protein
<i>HNH42_RS13615</i>	AAA family ATPase
<i>HNH42_RS13700</i>	TIR domain-containing protein
<i>HNH42_RS13705</i>	hypothetical protein
<i>HNH42_RS13710</i>	hypothetical protein
<i>HNH42_RS13720</i>	hypothetical protein
<i>HNH42_RS13725</i>	hypothetical protein
<i>HNH42_RS14690</i>	hypothetical protein
<i>HNH42_RS14745</i>	DUF4163 domain-containing protein

<i>HNY42_RS14755</i>	hypothetical protein
<i>HNY42_RS14785</i>	hypothetical protein
<i>HNY42_RS14790</i>	hypothetical protein
<i>HNY42_RS14795</i>	DUF3267 domain-containing protein
<i>HNY42_RS14800</i>	oligosaccharide repeat unit polymerase
<i>HNY42_RS14810</i>	hypothetical protein
<i>HNY42_RS14815</i>	glycosyltransferase family 4 protein
<i>HNY42_RS14830</i>	NAD-dependent epimerase/dehydratase family protein
<i>HNY42_RS15485</i>	alpha/beta fold hydrolase
<i>HNY42_RS15490</i>	TetR family transcriptional regulator
<i>HNY42_RS15510</i>	hypothetical protein
<i>HNY42_RS15515</i>	AAA family ATPase
<i>HNY42_RS15540</i>	DUF2089 family protein
<i>HNY42_RS15545</i>	hypothetical protein