										grazed			exclosed	
										august_2016 june_2016 sv1 sv2 sv1 sv2	august_2015 sv1 sv2	august_2016 sv1 sv2	june_2016 sv1 sv2	august_2015 sv1 sv2
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF472941.1	87.69	X4	347 347 347	371 372	371 372	371 372	301 302
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HE617723.1	94.69	X11					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylococcaceae_X	Methylococcaceae_XX	>AB722373.1	85.35	X21					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HE617723.1	94.06	X35					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>FN597117.1	92.14	X38					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883356.1	94.06	X40					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906786.1	96.18	X74					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>FN597117.1	90.23	X13					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883338.1	96.39	X51					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883349.1	95.33	X41					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>AF150758.1	93.63	X49					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylosarcina	Methylosarcina_X	>HE617761.1	91.93	X54					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906790.1	95.75	X60					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomicrobium	Methylomicrobium_japanense-related	>HE617752.1	92.14	X1					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906796.1	99.58	Х3					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>AF150758.1	94.27	X5					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883332.1	93.63	X6					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883352.1	93.63	X9					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HE617836.1	88.32	X15					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>AF150758.1	93.42	X12					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906790.1	99.15	X19					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883347.1	98.73	X23					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>FN597117.1		X18					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906785.1		X16					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ383770.1		X22					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883337.1		X25					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_tundripaludum	>MTUNv2		X29					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomicrobium	Methylomicrobium_japanense-related	>JQ040569.1		X27					A .
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>AF150758.1		X28					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomicrobium	Methylomicrobium_japanense-related	>HE617752.1		X32					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883355.1		X33					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883347.1		X36					
Bacteria (MOB_like)	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria_X	Gammaproteobacteria_XX	Gammaproteobacteria_XXX	Gammaproteobacteria_XXXX	>HQ383787.1	95.12	X2				_	
Bacteria (MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883347.1		X30					
Bacteria(MOB_like)	Proteobacteria  Prateobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter Methylobacter	Methylobacter_X	>EF472939.1		X39					
Bacteria(MOB_like) Bacteria(MOB_like)	Proteobacteria  Prateobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter Methylobacter	Methylobacter_X	>KC352654.1	94.69	X26					
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria Gammaproteobacteria	Methylococcales Methylococcales	Methylococcaceae  Methylococcaceae	Methylobacter	Methylobacter_tundripaludum  Methylobacter_tundripaludum	>CMS7		X20					
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	•	Methylococcaceae	Methylobacter	Methylobacter_X	>CMS7		X34					
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883355.1	92.57 99.58	X40					
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906790.1 >KF256229.1		X57					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X			X55 X43					
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906785.1 >HQ383781.1		X43 X24					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ363761.1 >KF757059.1		X45					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ383716.1		X31					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906790.1		X52					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883337.1		X63					
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