										arozod		I	oveleged	
									august_201	grazed 6 june_2016	august_2015	august_2016	exclosed june_2016	august_2015
										v2 sv1 sv2		sv1 sv2	sv1 sv2	sv1 sv2
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623697.1	96.77	(3					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF212344.1	88.89	(4					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623749.1	94.34 X	10					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ067075.1	94.14 X	31					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623697.1	93.94 X	12					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ067073.1	90.91 X	43					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomicrobium	Methylomicrobium_X	>AY571989.1	85.66 X	65					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623694.1	94.34 X	37					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623691.1	86.06 X	35					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylococcaceae_X	Methylococcaceae_XX	>DQ067087.1	86.06 X	99					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ067080.1	92.93 X	26					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623697.1	94.34 X	18					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623697.1	93.13 X	64					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>JQ040553.1	92.53 X	73					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylosarcina	Methylosarcina_X	>EF212343.1	91.11 X	;					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EU071131.1	88.89	(1					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ067076.1		(2					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ067066.1		(5					
Bacteria(MOB_like)	Bacteria(MOB_like)_X	Bacteria(MOB_like)_XX	Bacteria(MOB_like)_XXX	Bacteria(MOB_like)_XXXX	Bacteria(MOB_like)_XXXXX	Bacteria(MOB like) XXXXXX	>DQ295913.1		(6					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>JQ040553.1		(8					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_tundripaludum	>ref	100 X	11					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ067075.1		(7					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623697.1	93.94 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ067084.1	94.75 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623749.1	94.34 X						
Bacteria(MOB_like)	Bacteria(MOB_like)_X	Bacteria(MOB_like)_XX	Bacteria(MOB_like)_XXX	Bacteria(MOB_like)_XXXX	Bacteria(MOB_like)_XXXXX	Bacteria(MOB_like)_XXXXXX	>DQ295913.1	94.54 X 98.79 X						
Bacteria(MOB_like)	Bacteria(MOB_like)_X	Bacteria(MOB_like)_XX	Bacteria(MOB_like)_XXX	Bacteria(MOB_like)_XXXX	Bacteria(MOB_like)_XXXXX	Bacteria(MOB_like)_XXXXXX	>DQ295913.1	98.79 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>JQ040553.1	90.79 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>JQ040553.1	95.35 X						
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>JQ040553.1 >JQ040553.1	89.9 X						_
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ040333.1 >DQ067066.1	90.1 X						
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomicrobium	Methylomicrobium_X	>AY571989.1	90.1 A						
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomicrobium	Methylomicrobium_X								-
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>AY571989.1							
Bacteria(MOB_like)	Bacteria(MOB_like)_X	Bacteria(MOB_like)_XX	Bacteria(MOB_like)_XXX	Bacteria(MOB_like)_XXXX	Bacteria(MOB_like)_XXXXX	Bacteria(MOB_like)_XXXXXX	>EF623749.1	93.94 X						
· · · · · ·	,	Gammaproteobacteria	Methylococcales	,	, – ,–	\	>EU071116.1	99.39 X						
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter Methylobacter	Methylobacter_X	>DQ067085.1	95.15 X						
Bacteria(MOB_like)		' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	•	Methylococcaceae	Methylobacter Methylobacter	Methylobacter_X	>DQ067075.1	93.13 X						
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter Methylobacter	Methylobacter_X	>JQ040553.1	93.74 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623697.1	89.9 X						_
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_tundripaludum	>ref	97.58 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ067075.1	91.31 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EU071131.1	87.47 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylosarcina	Methylosarcina_X	>EU071088.1		(9					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>JQ040553.1	93.13 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>JQ040553.1	92.53 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>JQ040553.1	94.75 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EU071134.1		16					
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF623697.1	93.74 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylococcaceae_X	Methylococcaceae_XX	>AB451518.1	86 X						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>DQ067075.1	92.93 X	15					

Methylobacter_X

>JQ040553.1

5 42 360 3100

Bacteria(MOB_like)

Proteobacteria

Gammaproteobacteria

Methylococcales

Methylococcaceae

Methylobacter