										grazed		1	exclosed	
									august_2016	june_2016		august_2016	june_2016	august_2015
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF472941.1	87.69 X4	sv1 sv2	sv1 sv	v2 sv1 sv2	sv1 sv2	sv1 sv2	sv1 sv2
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 X3						
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	91.51 X18						A
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906785.1	99.36 X16						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ383775.1	90.02 X22						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883337.1	99.36 X25					4	
Bacteria (MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_tundripaludum	>ref	100 X29						
Bacteria (MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomicrobium	Methylomicrobium_japanense-related	>JQ040569.1	92.78 X27						
Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter Methylomicrobium	Methylopacter_X Methylopiarahium iapananaa ralatad	>AF150758.1	93.42 X28						
Bacteria(MOB_like) Bacteria(MOB_like)	Proteobacteria Proteobacteria	Gammaproteobacteria Gammaproteobacteria	Methylococcales Methylococcales	Methylococcaceae Methylococcaceae	Methylobacter	Methylomicrobium_japanense-related Methylobacter_X	>HE617752.1	91.08 X32 91.93 X33						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883355.1 >HQ883347.1	91.93 X33 96.18 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	98.51 X30						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>EF472939.1	96.18 X39						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>KC352654.1	94.69 X26						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_tundripaludum	>ref	98.09 X20						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_tundripaludum	>ref	97.45 X34						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883355.1	92.57 X46						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906790.1	99.58 X57						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906794.1	94.27 X55						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906785.1	99.36 X43						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ383781.1	92.99 X24						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>KF757059.1	99.15 X45						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ383716.1	92.14 X31						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>GQ906790.1	98.73 X52						
Bacteria(MOB_like)	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylobacter	Methylobacter_X	>HQ883337.1	94.27 X63						